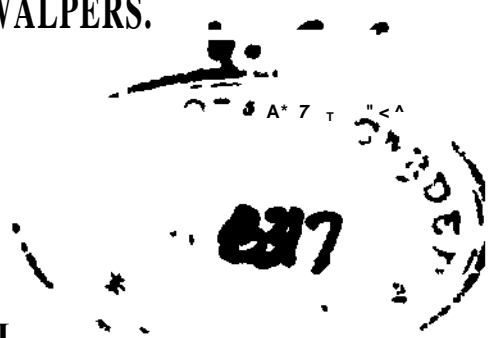


ANNALES BOTANICES SYSTEMATICAE.

AUCTORI

GUILIELMO GERARDÒ WALPERS.

TOMUS II



LIPSIAE.

SUMTIBUS FRIDERICI HOFMEISTER

1851-1852.

**Si quid novisti loctius istis.,
Candidus unpciti, si non, his utcio mecum**

VIRO AMICISSIMO

PLACIDO DUCHASSAING

MEDICINAE DOCTORI

**MEDICO PRACTICO GUADELOUPIENSI, SOCIETATIS AMICORUM NATURAM
SCRUTANTIUM BEROLINENSIS SODALI REL.**

D. D

AUCTOR.

AWALES BOTAMCES SYSTEMATICAE.

TOMUS II.

I. PLANTAR DICOTYLEDONEAE.

Subclassis 1. THALAMIFLOBAE.

(DC. Prodr. I. p. 1.)

Ordo I. RANUNCULAGEAE *Juss.*

(DC. Prodr. I. 2 - Ulpi* Rp^{at} I 3 II 737. V. 3, Annl I 3 a 053.;

Tribus I. CLEMATIDAE DC.

4768. CLEMATIS *Unit.*

(DC. Prodr. I. 2 — Wlpi s Repoit I 3 II 737 V 3 Annl I 3 ft 951)

- 1 TL (*riammula*) OREOPIHLA Hance, PI nov. An sir Chin dmgn innl p 18*) — Erccia
^cnnderib c julibu> rim^quf sti lato-sulcatis pui [»ui ascentibus jiiioribus «H *goso-h>rsutit». folns
tnfoliatis foliolis o\atis ncumnhş mtf^emniin ^ — 3- noi\> conaccis glabei-
nmis \ subt* praescrinn in nervis pmco busutulis, pciiolis lon^f» sod foliolis plerum-
<u* hicMonlms einiloimiluis, pnnidilis nxltnribus aphyllis olongaits trichotomis
inultiflori<> folium inodo adaoquntibus \ sacpiiiir inultolies &upprntibtis, bracteis ad
pcduncoloruni pedicolloi unique hosin hrmihus innngulatis domuin imltiratis. flobibus
hcimaphrodfii^, sepoli*) 4 oblongo-linnocolatis notiti> oxtus fulvi« lotus albidit margine
lanato-tilmis stnmimbus paulo longionbus. stonunihus glnbns, anthons oblongi<> acutis
nidmentoium longiuidiue, acliaonns pilosii in caudam JI> 4—5-plo lotrgiorfm ad
tipicem usque bnibnto-plumosarn productus — In ins Hongkong ad monium racununa
Folia 2—3 poll longa, 1—2 poll lata — (. *Mpycianup* Walp pioxnna \idetur
2 (>L PAHMLOBA Gaidn in Hook Kew gaid inisc 1.211 — diule scandento, lanus
nngulatis MIIOSIS foln> teinalim bitomaiimve scctiis, sogmeniis o\ato-lanccolatit» a^urai-
>aijs iniogornmis tiintrMi^ . utrinqin¹ spaise adpiessu villosis, pedunculis axillanbus
lolmni 5>ubtK¹quaniib»us liiftdo-subpnniculatis, caudis pluinosiis — Folia longe pctiolata.
petiolib scmlerelibus supia canaliculate MIHOMS. infunora teinatim sccla. segmontis
l^tioldtis. l'1/2 poll longa 4—8 lin lala, laoinlibu> inlegns, mediis profundctri(l(lis\cl
tnfoliatis, supenoia bitciiiaim soda. 10 lin longa, 3 lrn lata Pcdunculi axillares, in-
feriore^ subpaniculato-talldi, Mipcnores Minpliccs toriu antfloit, bralcao lanceolatae
necutao fohaceao petiolalao, sub origins ramoruin et paulo infra medium pedicollorum.
'Sfpala quatuor lincau-lanccolata acuramata septemneruia patencia, cxtus viHosft, 10 lin
longa, 3 lin lata Stamina plnrnna Ovata U circiter, MIIOSA dosinentia in caudam
l'arbatnm — CrebCil in insula Hong-Kong

1. ') relebcmmitt auctor bonctoto oiccum coinmumeoMt di^s^itaiioneni meditam
lontituum novaium minus\o cognitarum. pinf>eiim Anstro-CmneuMum diagnosea. e
M><GIIIIIIIIUS plcrinquo MM% descnpsit Hem J llwur pli Di , ui cam in fioc altoio
Annaiium tomo publici jwrw redtfrcin.

3. CL. INCISO-DENTATA A. Rich. Tent. Fl. Abyss. I. 2. tab. 1. — Foliis pinnatis, foliolis 9 petiolulatis cordatis acutis, inargine inciso-dentatis aut subtrilobis, superne pubescentibus, subtus albidis lanato-tomenosis; cymis avillaribus, lolio longioribus, trichotomoramosis; fructibus trifloris acutis, externe sericeo-tomentosis, interne petaloideis glabris; seminibus usque ad medium villosis; fructibus pilis abidis. — Habitat in Abyssinia provincia Cboa.
4. CL. LDNGICAUDA Stuedel mss. ex A. Rich. I. c. p. 2. — Ferrugineo-tomentosa: foliis impari-pinnatis, foliolis petiolulatis, saepius 5, ovalibus acutis, basi obsolete cordatis, subtrilobatis, grosse dentatis. subtus ferrugineo-tomentosis; cymis axillaribus paucifloris; fructibus numerosissimis (circiter 100 in eodem capitulo), cauda sesqui — biuncioli, pilis setosis ferrugineis. — Crescit ad rupes in monte Selki vallis Dibil (prov. Semifene) in Abyssinia.
5. CL. FILIFERA Denth. plant. Hartweg. 285. no. 1590. — Scandens pubescens: foliis pinnatis, segmentis 2 — 4-jugis petiolulatis irisectis, ultimis ovatis integris trifoliate rigidulis, supra tenuiter, subtus molliter pubescentibus, insigniter reticulatis; pedunculis unifloris; sepalis subcoriaceis apice reflexis; carpellorum caudis longis superne uliformibus, vix plumosis. — Folia *C. reticulatae* Walt, ex America boreali. Foliorum segmenta pariter inodo reticulata, sed magis dissecta; pubes, praesertim paginae inferioris, copiosa. Petioli et pedunculi dense pubescentes. Flores quam in *C. reticulata* paulo minores. Carpellorum caudae nunc leviter pubescentes. nunc in parte inferiore incrassatae, pilis brevibus ei raris subplumosae. Garpella grossa, adnata pilosula, caudae (in specimine forte non adhuc omnino evolutae) jam 1 — 1/4 poll, longae, valde contortuplicatae. — Crescit in Mexico prope Leon.
6. CL. JUUATA Hiseb. Del. scm. lion, leideclb. 1849. p. 4. — Caule erecto, foliis pinnatis, foliolis oblongo-lanceolatis obtusis mucronatis, lateralibus basi cuneata sessilibus v. decurrentibus. omnibus integerrimis; panicula (cymifera) subcontracta «opalina . . .»; fructibus pubescentibus margine dorsali villosa-jubatis. — Patria ignota! — Nomine *Clematidis mahlimac* All. semina Itorto nostro tradita sunt. Propius ad *Clematidem rectam* L. accedit, sed notis gravibus et perspicuis quoque ab hac specie discrepat: caule strictiore, non ultra 3 pedes alto; foliis bijugis, cum impari, summis trifoliolatis; foliolis obtusis, utrinque viridibus, subtus pallidioribus et nervis 3 — 5 tenuibus vix prominebus instructis, foliolo terminali solo distincto petiolato, reliquis vix petiolatis, imo binis onticis in rachis decurrentibus; fructibus ellipticis, disco subhirsuto-pubescentibus, superne in margine posico juba pilorum c stylo quasi decurrentium ornatis, stylo brevioris et densius plumoso. Licet flores inter turbines aestatis praeteriti politicos praetervisi sint, folia tamen, praesertim autem fructus notas sufficientes ad speciem dare distinguendam praebent.

t Species dubla.

7. CL. (?) CORIACEA Krttils. Nederlandsch Kruidkundig Archief 1848. I. pag. 208. no 3. — Foliis ternatis, foliolis longe petiolatis ovato-oblongis quintuplinerviis; pedunculis axillaribus unifloris. — Crescit in sylvis montis Gede insulae Javae.

t f Ieones addendae.

- CL. AMERICANA Mill. — (DC. Prodr. 1. 5. no. 27.) — Torr. Gen. pi.-Fl. Americ. bor. f. 13. tab. 1.
- CL. CRISPA L. — (DC. I. c. 9. no. 75.) — Torr. I. c. 15. tab. 2.
- CL. FLORIDA Tbnbrg. — (DC. I.e.8.no. 72.) — Van Houtte, Florae des serres V. tab. 487.
- CL. GRAHAMI Bîn, — (Wlprs. Repert. I. 8. no. 53.) — Van Houtte I. c. IV. 375b. tab. 376. — Lindl. Journo. of the hort. soc. II. 315. (c. ic.)
- CL. GRAVEOLENS Lindl. — (Wlprs. Annal. 1. 4. no. 9.) — Van Houtte I. c. VI. 31. tab. 548. — Hook. Dot. Magaz. tab. 4495. "
- CL. INDIVISA Willd.-fDc. Prodr. 1. 5. no. 38.)-Hook. Dot. Mag. tab. 4398.-Part ft Lindl. Flow. gard. I. 27. fig. 12. - Van Houtte 1. c. IV. tab. 402. - Morren, Ann. de la soc. d'affric. de Gand IV. 451. tab. 230 .
- CL. OCHROLEUCA Ait. - (DC. 1. c. 8. no. 69.) - Torr. FL New-York I. 6. lab. 1. "

4869. ATRAGBSTE DC.

{*ClemaMis* sect. IV. *Atragene* DC. Prodr. I. 9. — Wlprs. Repert. I. 9.)

1. 'A. SPECIOSA Weinm. Bullet, de l'acad. de Moscou 1850. — Habitat in Gubernio l'ermensi. — Liber a me non visus.

4770. UTARAVEIJA DC.

(DC. Prodr. I. 10.)

1. N. DASYONEURA Krthls. Nederlandsch Kruidkundig Archief I. pag. 208. noTfc. — Foliis ternatis, foliolis duobus oppositis triplinerviis ovatis acurainatis mucronatis, subtus in nervis tomenlosis, foliolo terlio in cirrum apice bi-vel trifidum aborto; floribus axillaribus solitariis vel paniculatis; ovariis sericeis. — Crescit prope Banjaewiran, Marlapoera, in monte Toengan insulae Borneo.

Tribus II. *ANEMONEAE* DC.

4772. THJLLICTRUM Tournef.

(DC. Prodr. I. 11. — Wlprs. Report. I. 10. II. 757. V. 4. Annal. I. 5. ft 953.)

1. TH. FENDLERI Engelm. Mss. ex Asa Gray, Pl. Fendler. 5. no. 13. — Dioicum: foliis petiolatis, petiolulis primariis lrachiatiss vel refractis stipellatis, foliolis cordato-rotundatis trjlobis; filamentis apice vix incrassatis; antheris seligero-mucronatis; carpellis sessilibus oblique ovatis coniplanatis costalis carinato-alatis, stylo recurvo triplo longioribus; caetera fere *Th. Cornuti*. — Crescit in Nova Mexico.
2. TH. PUBIGERUM Benth. plant. Hartweg. 285. no. 1591. — Foliis inferioribus subquaternatim pinnatisectis, petioli pubescentis rarais stipellatis. segmentis ovatis basi subcordatis inciso-dentatis, subtus puberulis; filamentis fljiformibus; antheris longis apice breviter arisatis; carpellis falcato-ovalis, stylo longo arislatis. — Afflnc *Th. podocarpoc* el *Th. longistylo* a priori ditTert imprimis pubu et carpellorum stipite brevissimo. Flores omnino similes sunt iis *Th. longistyli*, sed foliorum segmenta angustiora, superiora magis dissecta, pubes copiosior et carpellorum forma oranino diversa. Fruclus fugis paucis elcvialis notantur ut in *Th. rutidocarpoc*. — Crescit ad fluviorum marginef prope Lagos in Mexico.
3. 'TH. CHYMOCARPUM Dillon. — Wlprs. Report. I. 10. no. 3. — A. Rich. Tent. fl. Abyss. I. 3. t. 2. — *Th. longepcdunculatum* Hochst. & Steud. mss.

+ **Icon addenda.**

TH. ANEMONOIDES Michx. — (DC. 1. c. 15. no. 48.) - Torr. Gen. pi. Am. bor. I. 23. tab. 6.

4473. ANNEIKOHnB L

(Pritzel in Wlprs. Report. I. 10. II. 737. Y. 4, Annal. I. 9.)

- * A. (*Anemoneantha*) HORTENSIS L, — Pritzel in Wlprs. Report. I. 21. no. 21. — *Anemone stellata* L. var. *Heldreichii* Boiss. Diagnos. plant, orient, nov. VIII. pag. 1. Minor: involucrum triphyllum foliolis abbrevialis oblongis obtusiusculis. Floret pallidisBime roseo-grisei porvi diametro 9—11 lineas lati. Petala olliptica obiusa. — Varietas elegant distinctaque sed a specie nullo m'odo separanda. — Crescit aut dumosis montis Akrotiri et faucibus montis Malaxa prope Cydoniam Cretae.

t **Icone» addendae.**

- A. HEPATICA L. var. p. — (Pritzel in Wlprs. Report. I. 31. no. 72.) — Torr. Gen. pi. fl. Am. bor. I. 21. tab. 5.
 A. MULTIFIDA Poir. — (Pritzel 1. c. 28. no. 55.) — Torr. Fl. New-York. I. 9, tab. 2.
 A. PATENS L. ** (Pritzel 1. c. 16. no. 4.) — Torr. Gen. pi. Am. bor. I. 17. tab. 3.
 A. PENNSYLVAWCA L. - (PriUd 1. c. 28. no. 59.) - Torr. 1. c. 19. tab. 4.

4778. *ABOITC3·DUL*.

(DC. Prodr. I. 23. — Wlprs. Report. I. 32. V. 4, Annal. I. 7.)

1. *A. SQUARROSA* Steven, Aon. sc. natur. (3. Ser.) XII. 372. f — Corolla plaa calyci puberulo insidente; spica cylindrica squarrosa; carpellis dente baseos earinae, rostro nscondente carpello parum brevioro. — *A. acstivalis* M. Diub. Fl. Taur. Cauc. HL. 378. — In Taurin campestri, in Iberia & Armenia.
2. *A. CAUDATA* Stew I. c.+ — Corolla plaaa calyci hirsuto insidente; spica cylindrica elojtgata laxa; carpelli* denlc baseos enrinac. — *A. dcntala* Ldb. (nee DC.) — *A. flarhmca* Ldb. — *A. autumnalis* M. Bieh. — In Tauria.
3. *A. PALAESTINA* Uoiss. Diagnos. plant, orient, nov. VIII. png. I. f.— Annua: calyce glabro demum reflexo; caule clao sulcuto, divaricatiin ramosissimo; petalis magnis obovato-cuncaiis niiniatis; spica carpellorum cylindrica clongata; carpellis axi horizontaliter impositis. basi incrassatis tuberculnio-rugosis, medium versus margine nngulato-dentalo circulari instructis, superne lacviuscnlis etriatis, in rostrum uflcinato-subrecurvum attenuatU. — Crescit ad basin montium iudaeae inter Ramlah et Hierosolymam, in vallibus prQvinciau Smariae prope Sanour in agris et pinguibus gregarie trescens.

Tribus III. *RANUNCULEAE* DC.4780. *HEYOSIJmjs L*

(DC. Trodr. I. 25. — Wlprs. Report. I. 33, Annal. I. 7.)

- J. *M. MINIMUS* L. — (DC. I. c. — Wlprs. I, I. c. c.) — Ton*. Ganer. pL fl. An« hot. I. 27. tab. 8. -

4783. *RAHTIJlfirCUiisyS Hall*.

(DC. Prodr. I. 2«. — Wlprs. Report. I. 33. II. 736. Y. 4, Annal. I. 8, ft 954.)

Sect. I. *BATRACIUM* DC. Prodr. I. 26.

1. *R. RIONI* Logger. Flora (B. Z.) 1848. p. 49. 50. — Caulc obtusangulo; foliis omnibus siibmersis. solacco-multifldin petiolatis. laciniis undique patentibus; aJabatris depresso-globosis; floribus parvis; petalis quinque obovalis albis, ungup fiavo, Coveis ricctarir^riN, margine prominulo cras.siusculo, saepe in lubulum membranaoem oblique truncatmii producto; staminibus ovariorum capitulobrevioribus; sligmatibus Unearibus; carpellis minimi's suburgidis, transverse rugosis fmmarginatis subglobosis, In capitulo suepu HO—90; rceptaculo piloso ovato- vel etiam elongato-conico. — Creuit in stagnis quibu-sdaiu circa Sedunin (Sitten) in Helvetia.

Sect. II. *HANUNCULASTRUM* DC. I. c. 27.

- 2. *P. LILKPIIARICARPOS* Doiss.— Wlprs. Repert. I. 34. no. 1. — Bofss. Voy.b6t. 713.- II. *Monsicliacus* I. Wobb. (nee alior.)
- '6. **R. ORIKN TAMS* Lin. — (DC. I. c. 2H. no. 13.) — Var. *heierophyUa* Boisa. 8b Held-rcicb. Diagnos. plant, orient, nov. VIII. p. 2. — Pumilus: foliis aliU trtsectis, icgaantis erenais dontalis vel etiam profunde partitis, aliis multifldis. — Grescit secur via* et in liitore maris prope Adaliam Pamphyliao raixtus cum forma genuina, in qua firiit omnia decoinposilo-inultiflda sum.
1. *R. TRIGONOCARPUS* Uoiss. Dingnos. plant, orient, nov. VIII. p. 2. — Totus adpresso ulbo-villosus; radice. . . . ; foliis inultifldo-decornpositls, laciniis anguste linearibus elongatis, opico rotundato-callosis, caulinis sessilibus; caulo auperno diebotome et divnricotim ramoso; Horibus. . . . ; sepalis deffaxia longe Wspidis; pedunculis fructiferis elongatis. ppice subincrassatis; spica fructifera capitata oHgorarpa, axi villosa; carpellis praetor pilos secus marginem exteriorcm sparsos ghbris brevibus triongularibus, margine superiori-brevt.recto'la rosirum horizontale, apice

subrecurva, «arp*lo nequíttofigufa rectilinec atounti, margine esMttori recthisculo subconvexo. — Crescit verosimittitex in AAatolia,

5. R. XUNEATCS Jtoias. 1. c. — Tows ad petiolos patentim, &d «aultt, ramos et folia adpressc villosus: *fb\ii*» radicalHnis ad ²A vol *« tripartite, baai omealis. partUonibus basi «ubangustatts. opice obtusissime 2—3-lobis; caule medioMTereclo semel v. rarias bis dichotomo cum flore loagius pedunculate in dichotomia; foliis aaulinis binis oppositij aessilibus 2—3-sectis, lacmiis linearibus-elongaiis obtusis; eepelis deflexis patule oi loqge hispidts; pelalis creberrime ?enulosi&; spvca fructifera o ~~v. crebra~~ ~~fructu~~ glafero; oarpellis (juoioribus) triangulari-ovatis laevibus, sparsim et marginenr^Hsus olbo-pilosis, in rostrum recium carpello aequilongum abeumibus. — Crescit in Tauro Cilicio.

- M. R. CUPREU^ Boias. ft Ueldr. 1. c. p. 3. f — Radico albo-hispWulo, tuberculos grumosos ovatoOB aentos fibrasque tenues elongates iniennixtas cdeni; caulibus folia ftanun ~~cup<Hrani>U8~~ sknplicibus biflorisve petiolisque pilis adpressiusculis hirsulis; foliis radicalibus pilifl albis sparsis obsilis ambilu ovatis bipinnatiseclis, 1- saepius byugi8, laoiniit parvis obovatis indivisis vcl2—3-partitis obtusis, foliis cauHnis minimls pionatisectis, iacinjis .linearibus abbreviatis; sepalis adprossis viridi-rubellis, late aU>o-marginalia gialwlusculis; petalis obovatis subretusis, intus citrinis, extus rubello-cupreis; caiyeUis junioribus in rostrum rectum, apice circinnatum abeuntibus.— Valde aOfrig ioliorum forma *B. leptaleo* DC., qui differt tuberculis radicalibus ipsis in ftbras elosgatai aUenuaUs. iodumenio caulis pamlo, foliis denique glabris, carpelU rostro a iaai valde incurvo.—CrosCit in saxosis moniisTavoutsiGparchiaeSitiaCretaeaH.SOOO'.

7. ft. tiULBXLUFERIUS Boiss. ft llohen. 1. c. p. 3. f— Gtaberrimus: rodice toscioujato-grunosa ilbria oblongis vel cyliudricis constanti; foliis radicalibus pauoia trisectis, ~~segmentis~~ petiolulatis vel aessUibus oblongo-ellipticis obtusis integerrimis; caulibus ~~humilibus~~ ~~k**i~~ tantetm foliosis, compressis flozuoais eimpliolbus Tel parce ramosls; ~~foliis~~ ~~Nullw~~ peliolo basi dilatato suBultis trisectis, •egmentis saepius petiolulotii ~~in-~~ ~~divis~~ vel pro&nde 2—3-fldis, lobis oblongis obtusis, foliis supremis aecus pedunculos oblongis sessililHis indivisis, Willis omfiium bulbilios nigricantes peioli basi vaginatos AdontUws; p<duBculis Jongiusculw-^epalis glabemimis luteis cofollae flavao adpressb; j><iaUs elMpticis; carpellis. . . v- Crescit ad nives deHquesoenies Totschal prope Teheran 'Peralae borealis.

8. R. fiANPIS Beath. Plant. Hartw. 294. no. 1625. — Caule orecto raaoso pijw longis ~~moUe no~~ ~~albido~~; foliis utrinque sericeo-lanatis, radieftllbus longe petiolatw tr(- ~~sectis~~. ;<igiQMIM trifldi* UU< incisio, nedio petiolato, caulinis superwribaa sessiliuiff ~~tripartitis~~. Uoisuis aigustis Integris triWiseve; sepalis refleHis; petalls calyce duplo ~~longioribus~~; earp<hi8 oubrotundis compressis si^lo brovi reeruvo tersrfnatis.—Species primo fntuitu distinguitur lana densa albo-sericea folia vestiente. Radix fasoiolato* ~~Wrtoc~~. Caulis utrapedalis, lax« ramosus, parce foliatus, atolonibus nulls. pili partis ~~inferioris~~ <t ramulorum noveUorum densi longi albi patentis, in parte superiore ~~pedunculatae~~ rariores breñres subappressi. Folia radioalia forma Us A. *repentis* ~~honi~~ ~~dicimika~~, craMa mottispfma, indunwrto pagfnae «nperioris interdum subrelutino, ~~saepius tamen~~ <ui pagfnae inferioris raoHwimo albo *s«riceo, segmenta 1 — *i^k* poll* ~~longa~~ late onua. bwi euneata. ad medium triflda. leibis grosse fneiso-paucidentatls, C>Ut cauliaa panca, Inferius petiolatum, caetera sessilia, lobis obloogo-caneatis trifldis vel linear!-lanceolatis integerrimis. Flores magniludine B. *repentis*. Sepala laxa ~~fa~~ ~~arte~~ rejftau Carpella majiwoula, (a oapdoto subgioboso pauca glabra laevla, ~~suavione~~ vaide rteurvo fere eirekmato. — CrefoU In jmscuis humidis vallis Sacra- ~~mento~~ ~~abi~~ terrui |m «btégH in California.

sect; in: *mou* DC L C. 30.

{Species fofatse a4 gtnwu *Fiaoriara*, peitiBenst)

9. R. BttDLIS Boiw. ft ttofcea. Diagnos. plant, orient, nov. VIIL p. 4. f — Gluberrimus: radice fibril longis eylindricls, Inferne etavato-incrassatfe. fibrillis tenuibus internixtis ~~^w~~ ~~stani~~; ~~foliis~~ petido piano *Yn* subtri|Io longiori, inferne membranaeodllauto

- xuifiliis ovaio-triangularibus, basi subconclalis circumcirca rotundato-crcnatis carnosulis, caule brevissimo vaginis foliorum radicalium tecto, apice fasciculum foliorum p-edunculosque 1—3 foliis breviores unifloros, post antbesin circinnato-recurvos edenti; scpalis basi subsaccatis flavidis oblongo-lanceolalis obiusiusculis, basi attenuatis pallide flavis parallelis múltinerviis; spica carpellorum minuta breviter ovata; capellis glabris oblongo-clavalis, apice rotundatis. — Valde affinis modo crescendi ft characteribus *H. jicaroidi* Bory de Chaub., qui ab hac specie differt foliis paulo majoribus, basi valde cordatis. profunde et acutiusculis lobatis, petalis ellipticis. Forsan *Ficaria ranunculoides* C. Koch ad hanc speciem special.— Crescit in parte occidentali montis Elbrus in alpe Hasartschal alt. 7000'. — Persice *Serdi Muschak* et *Barf Elim* dictus; folia et cules cum oryza coeli comeduntur.
10. *R. REPKNS* L. — DC. 1. c. 38. no. 105. — Wlprs. Report. I. 46. — A. Gray, Boston Journ. of nat. hist. VI. MI. — II. *iiiacranthu** Schelc, Linnaea XXI. 585. f
11. *R. PALAKSTLNUS* Boiss. Din^nos. pl.iin. orient, nov. VIII. p. 4. f — Radice fibris fasciculis cylindricis olonpjilis consunt; caule elato striato sulcalo, inferne folioso, superne ramoso-panicubto p<uoli>sqiti pilis albis deflexis hispids; foliis longe pctiolatis, ulrinqu appresso birsuiis. ainbiu subroluudis. basi cordatis, fere ad basin usque iriparlilis, partitumibus laleralibus bilidis, intermedia basi cuneata trifida, segmentis i^rosse et oblusissirne lobnio*deilaliis, foliis superioribus breviter poliotalis, summit ad pedunculorun basin ad lacuam liicari-lanceolatain reductis; pedunculis non sulcatis; supalis srriceo-hirsutis, demum patemi-reflexis; spica fructifera globosa parce carpellaia. axi glabro; carpellis mngnis planis glabris, facie sub lento punctulalis angustissime marginalis, roslro brevissimo nncinalo-circinnato terminatis. — Habitu, fulis crassis allnis *li. palustri*, qui dilfert carpollis inioribus, margine subtricarinitis in rostrum cvilcnius rectum abeunlibus. /{. *lanuginosus* longius dilfert foliis acute (cniatis, roslro dimidium carpellum aei>uanti etc. — Crescit in pratis paludosis ad ijiargines Incus Ruhr et Houlch in Galilaea, in Aniilibano inter Hasbeya et Rascheya.
12. *R. AMBLYLOBUS* Boiss. ik Hohen. 1. c. p. 5. f — Radice tunuiter cylindrico-flbrosa; caulibus elalis tneris striatis simplicibus 2—3-floru petiolisque breviter et palule hirtulis; foliis radicalibus longe pctiolalis, nmbitu roluudis, profunde cordatis, sinu Mubchnso od medium vel profuudius tripartici*, partitionibus in lobos magnos ovaio-triangularcs acutiusculos lissis glabriusculis, margine ciliatulis, caulinis sessilibus ad basin usque in 2—3 lacinias lanceolato-lineares acutas partitis; pedunculis substriatis ad>resso hirsutis; scpalis hirsulis dorso rufescentibus, margine flavidis; spied carpulloruni ovata, axi hirsuto; carpellis glabris lacvibus subtriangularibus, basi angustatis, apice latioribus subinflatis, inargiuu superior! carinato in rosirum breve horizontale circinnato - recurvum abcunti. — Crescit in hortis itumidis umbrosis prope Derwend in parte inferiori montis Elbrus.
13. *R. BKACHYLOBUS* Boiss. ft llohon. 1. c. p. 6. f — Radice oblique descendenli fibras cylindrical verticales cdcnii, extremiate ti-uncata; foliis omnibus radicalibus glaberrimis, petiole patulo suffullis par vis, ainbiu rotundis trisectis, segmentis cuneatis abbreviatis. sbimis lobatis, lobis ovalis aculiusculis, apice saepius callosis; pedunculis radicalibus uniOoris nudis, folia paulo supcrantibus hirtis; sepalis parce hirsutis flavidis palcnlibus; pclalis obovatis flavis; carpellis (junioribus) glabris, rostro recto apice subincurvo sphacelalo lcrminaiis. — Crescit in humidis montis Totschal prope Teheran alt. 6000 ped.
14. *R. CRYMOPIULUS* Boiss. i^c Molten. I. c. p. 6. + — Glaberrimus: radice praemorsa llbras radicales cylindricas cdcnii, collo dense Ubroso; foliis omnibus radicalibus humi expansis, breviter pctiolatis, ambitu oblongis pinnaliseclis, segmentis minimis abbreviatfs subsessilibus in lacinulas minutas oblongas acutas multipartitis; pedunculis tenuibus llcxuosis 1-vel 2-floris folia duplo supcrantibus nudis, ad dicbotomiam vel ad medium foliolo lincari-lanceolato obsilis; floribus parvis; sepalis dorso porce hirsutis demum dollexis; potalis obovatis flavis; spica carpellorum rotunda; axi glabro; carpellis junioribus, glabris in rostrum longiusculum apice circinnato -recurvum abcunilibus. — Crescit prope moles glacialcs in aipibus Hasartschal in parte occidentali montis Elbrus alt. 10000 p~~64~~

- 15 R SCIUMPERIANUS Hochstett, mss ex A Rich Tent fl Abyss I 4 — Radice fibrosa folia radicalibus petiolatis, basi late membranaceis, trisectis, segmentis tripartitis lobis subcuneatis — quinquefidis* in pilosis, caule simpliciter subsimplici piloso foliis 1—2 terminalibus luteis* sordidius ovatis vix pilosis patentibus, petalis obovatis. apice emarginatis staminibus paucioribus, filamentis submembranaceis, fructibus ? — Crescit in humidis pratis montis Bouahit (prov. Semien) in Abyssinia
- 16 R DERTROPODIUS Stuedel mss ex A Rich 1 c 5 — Caudice horizontali radice fibrosa, folia radicalibus longe petiolatis basi membranaceis imparlitis segmentis subcuneiformibus apice 3—5-fidis, subtus pilosis caule brevissimo folia radicalia vix aequante, pauciflora foliis luteis majusculis sepalis ovatis obtusis concavis exclusis petalis calyce duplo longioribus obovatis-oblongis, angustis obtusis, fructibus oblongis, late et oblongo-acuminatis laevibus — Crescit in humidis superioribus regionibus montis Bouahit (prov. Semien) in Abyssinia
- IT R OIGOCARPOS Hochstett mss ex Ach Rich 1 c — Radice fibrosa, caule ramoso. ramis effusis procumbentibus pilosis subflagelliformibus, folia petiolatis, alte 3—5-fidis, sub-3—5-partitis, segmentis subcuneiformibus apice 3—5-dentatis, utrinque subpilosis, foliis solitariis oppositifolius pedunculatis, sat parvulis (ut in *R. scleiato*) stipulis ellipticis, oblongis, basi pilosis petalis oblongis obtusis fructibus paucioribus oblongis compressis, brevibus brevissimo rostrate — (Rectius fortasse ad *Ranunculus* pertinet) — Crescit in monte Bouahit prope Entchekab (prov. Semien) in Abyssinia
- IS R STAGNALIS Hochst mss ex A Rich 1 c — Radice fibrosa, caule simpliciter procumbente, parum ramoso glabro folia petiolatis tripartitis, segmentis tripartite, lobis incisim dentatis. subtus pilosis, foliis incidiis (an purpurascensibus?), calyce patente glabro petalis oblongis obtusis angustis fructibus globosis glabris, apice breviter uncinatis laevibus — Crescit in agris mundatis montis Bouahit (prov. Semien) in Abyssinia
- 19 R STENOCARPUS Stuedel mss ex A Rich 1 c 6 — Caudice horizontali subterraneo, radice fibrosa caule a basi lamoso, ramis erectis subsimplicibus pilosis. folia inferioribus longe petiolatis, caule vix brevioribus, profundo tripartite, segmentis subcuneatis, apice trifidis lobis saepius alte tridentatis pilosis, florum parvulorum sepalis ovalibus obtusis concavis, externe pilosis, petalis obovatis obtusis, fructibus obovatis subcompressis, apice in laminam acutam triangulam-oblongam desinentibus laevibusque — Crescit ad nivos regionis altae montis Bouahit (prov. Semien) in Abyssinia
- ^ R DISTRIAS Stuedel mss ex A Rich 1 c 7 — Glaberrimus radice fibrosa, caule diffuse ramoso, ramis procumbentibus folia petiolatis tripartite, segmentis cuneiformibus, apice inciso-dentatis glaberrimis, foliis subsessilibus oppositifolius, solitariis, fructibus compressis suborbiculatis marginatis, laevibus — Crescit in monte Bouahit prope Dcineiki, in locis grammosis (prov. Semien) in Abyssinia. Cum praecedente rectius fortasse ad *Ranunculus* translocandus era.

Sect. V *ECHINELLA* DC. 1 c. 41.

- *i. J^ CUNEILOBUS A Rich Tent fl Abyss I 7 t 3 — Radice fibrosa, caule crenuloso foliis petiolatis 3—5-partitis lobis cuneiformibus apice inciso-dentatis, pilosis, foliis solitariis oppositifolius subsessilibus, fructibus compressis marginalibus, petalis oblique mucronatis, tuberculatis, tuberculis rugosis minimis approximatis — Crescit in provincia Tigre* circa Memrah in locis humidis in Abyssinia,
- ^ R STRIATUS-Hochstett mss in A Rich 1 c 8 — Caule erecto pilosissimo folia petiolatis tripartite, tripartitis lobis subcuneatis trifidis inciso-dentatis glaberrimis aut valde pilosis foliis pedunculatis linearibus «alyci» flexis sepalis externe pilosis, fructibus compressis apice mucronatis margine «ricai» faciebus parvis tuberculosis. — Crescit in montibus nivi Assam prope Adoua, Hux

in loris Immidis. pratis atl riwuv in provinces TcbClikote, ncc non-Ouodgerate in Abys.sinia.

23. H. TKXKNSIS Knjrclm. BUM. Journ. V. 210. — Caulo ereoto ramo<issimo. basi liidpido; ľuliis peMiol>ti>, iifnrribiib o\\nii> subcordalis deniicuUttis, superioribm linoari-lan«cola(i*. bnsi peioloruin uii'inbrnnarpo-riilaiaia bractrisque oilialis; petalis 5 oblongjs sisjiala uvaia nbliisa longo ^upcraitiikiis; siaminibua plurimis; carpellis Mibglubosi? aeuli« iniiulim luborrhosis in capiiulum globosum congestis. — Habitat in republica TCXCIIM.
24. R. TRACHYSPERM15S Engrlm. 1. en. 211. — Caulc rainoso glabro; foliis potiolatis. inferioribui ploninupio orlm-ulniu-otaiis obmsis subintcgris, Miprioribus lanceolalis linoari-lanceolatisvc dc-miculaUs. ba^i poiolorum mpinbranacep,-dijotata bracteisqu«^j subciliaiis; scpalis 3—4 ovalis relloxis peiala 3—5 minima lincari-spathulala superamibus: staniinibus 5—10; carpellis comprossis obtu.s.is, undiqnc tuberculosi in <i)iuuliu oblon^uni sen cvlimricuui congcsiis. — Habitat in republica Jcxensi..

h şpecles seotionls dublae.

- 25 \\ Sondor, Liiaiaea XXII. 556. — Pjloso-bispidM-s: radicc flbrosa; caulo proslrato-i-rppniir; ľuliis irisfriis, scgmonis mncatis plcrumque irilobis, lobis dcnlatU, radicalibus loii^ais peioliitis. caulinis siipromis trifldis lanceolaiisvc; pedunculis unifloris adpresse pilusis; calu-c ^liibniisculo inucronaio; poialis lutcis, basi squamula nectarifera; Imciibit ! — Uri-M-ii in Brasiliae provincia Minas Gcraes.

4- |- Icones addendae.

- II. JAVAMCL'S Hlunif, — (Wlprs. Report. I. -11. no. 87.) — Hook. Lond. jouro. of bot. VII. 5(J5. f tab. 17.
- II. FASCUX'LARIS MuhlunlxM-g. — (DC. Prodi. I. 40. 122.) - Torr. Gen. pi. fl. Am. bor. I. 29. tab. 9.

4784. CKRATOCEPHA ^t\$ Much.

(n.: Prodr. I. 26.— Wlprs. Report. I. 46. — Steven, Annals des Scięjic. naiur. [Sor. III.] XII. pag. 368.)

A. *Carpellis rostro recto apice hand hamato.*

1. C. OKTUOCKRAS DC. I. c. — Steven, Ann. sc. nat. (3. Ser.) XII. 368. — Spica fructifera o\\ala; cnrpcUis crcto-paicniibu*,¹ rostro lobulis baseos triplo longiore. — Crescit in ^uropa orientali media ot in rcgionjbus Altaifinsibus.
2. C. REFLKXUS Steven. I. cit. 368. — Spica fructifera cylindrica; carpellis rcilexo-paięn-nbiis-, roslro lubulis baseos parum longiore. — Crescit in Astracbania.

B. *Carpells rostro incurvo.*

- i. C. KALCATL'S Peri. — DC. I. c. — Steven I. c. 368. — Scapis folia subaoquantibus; rorolla caęec duplo longiore; carpellis villosopubescensculibus, rostro lobujis baseos ijuadruplo longiore, inde a basi falcato-incurvo. — Crescit in campis incultis Tauriaott Sibiriae auslralis.
4. r. SYRIACUS Steven I. cil. 369. — Scapis folia subaequaniibus; carpellis luilverulenlo-Itubescensculibus, rostro lobulis baseos triplo longiore sulircclo, apicc incurvo-bamato. — t'rescil in Syria circa DnmaMim.
5. <. INCURVUS Steven I. cil. — Scapis folio longioribus; carpellis villosopubescentibus, rostro lobulis-baseos duplo longiore subrcccio, apice incurvato-liamato. — Crescit in Tauria. Iberia et Armenia rossica. *
- << C. LEIOCARPUS Steven I. cit. — Scapis folio longioribus; carpellis glabris, rostro lobulis baseos triplo longiore rectiusculo f npicc incurvo^hamato. — Crescit in A'Urachanit).
7. C. PLATYCERAS Sloven I. cit. — Scapis folia snbaoquantibus; earpellis villosopubem-i'niibiis, rostro semilanceolalo lobulis ba^eon vix duplo lonffio¹, npice incurvo* bamaio, — r.rosrii in Tauria nicrji|ⁱun^ftli.

Tribus IV. *HELLEBORIIEAE* DC. 1. c. 44.

4786. *CAITHA* Linn.

(*L. Prodr.* I. 44. — *Wlprs. Repert.* I. 46. V. 6, *Annal.* I. 11.)

j. 'C. *PALL'STIUS* L. - (DC. I. c. no. 3.) — *Torr. Gen. pi. fl. Am. bor.* I. 31. tab. 10.

4767. *TAOULIUS* Linn.

(DC. *Prodr.* I. 45. - *Wlprs. Repert.* I. 47. II. 740.)

1. *TR. LAXI*'8 Salisb. — (*Wlprs. Repert.* 1.47. no. 7.) — *TOIT. GCIL. pi. flor. Am. bor.* I. & 3. tab. 11. - *TOIT. FL. New-York.* I. 18. f. tab. 2.

4790. *ISORIRUM* Linn.

(DC. *Prodr.* I. 48. — *Wlprs. Repert.* I. 48. II. 741, *Annal.* I. 954.)

1. *I. CAESPITOSUM* Boiss. & Holicnack. *Diagnos. plant. orient. nov.* VIII. p. 7. f — *Percnne glaucescens caespitosa: caudicibus reliquiis petiolorum vclustorum dense squamosa inihricato-columinarihu?, opice folia scaposque cdenlibus; foliis petiolo tenuissimo basi dilatato angusteque m>nibranacpo-auriculato sulTuÜs blternatis, divisionibus primariis longiuscule petiolulatis, segnentis subse<libus rotundis in lobos 2—3 parvos breves ovaio oblusos ad medium vel ad basin usque fssis, jub lente puberulis: scapis unilloris folia paulo suporantibus, sub llore bracteis binis lauceolatis basi dilatato fturiculatis obsiis; >pnf> lilacims ovalis segmenta foliorum magnitudine sua multo superantibus; pctalis obovatis apice einargialis; shlis subcircinato-recurvis ovariisque papillosis. — Afflne claracicribus et lloruin magnitudiae *I. grandiflora*, a quo dilTerl caudicibus densius squamosis caespitosisque, foliorum segmentis in lobos breviores minoresque disseclis. stylis uncinatis papillosis nec reel is glabris. — Crescit in excelsis alpibus Hasartschal in parte occidentali montis Elbrus alt. 11000 pod.*
- i. *M. UTERNATUM* Torr. & Or. — (*Wlprs. Repert.* I. 48. no. 4. & III. *Emend.* p. 1.) *Torr. Gen. pi. iUAm. bor.* 1. 35. tab. 12.

4792. *COPW8* Sulisb.

(DC. *Prodr.* I. 47. — *Wlprs. Repert.* I. 49, *Annal.* I. 954.)

1. "C. *TRIFOLIA* Salisb. — DC. 1. c. — *Wlprs.* I. c. no. 2. — *Torr. Gen. pi. fl. Am. bor.* I. 37. tab. 13.

4794. *MCtKiiia* Tournef.

(DC. *Prodr.* I. 48. — *Wlprs. Repert.* I. 49. II. 741, *Annal.* 1. 12.)

1. *N. (XiQvUxria) BICOLOR* Boiss. ft Heldr. *Diagnos. plant. orient. nov.* VIII. p. 7. f — *Glubra viridis: caulibus ereclis a basi dichotomis ramiscue strictis foliosis; foliis pinnalitectis, laciniis liaearibus elongatis aculis; fioribus parvisbasinudis; scpalis caeruleis l4Uilo - deflexis basi altcnu'lis; pctalis ininulis slijtilalis cuncalis bilObis. lobis irian-(fularibus, parcc pilosis, in laeminin linoarcm, apice obtusam callosain attenuati^, necturlf ad basin exteriorcin liubi pelalini intlalo ovato, Idclhia nccessoria basi triangulari, (yiiie attenuata lincari e basi iutoriori linibi orta; antheris inuticis siigmatibusque rubro-brunneis; stylis in flore patenfibus recurvis; pedicello fruciiforo anguloso incrassato; carpellis ereclis obsolete tubercalalis dorso carinatis in fructum obcom'ctim pentagonum ad V> longitudinis concretis; stylis erccto-patulis fructu triplo brevioribus; bOlnihibus exlmie trjquctrls lrfevibus riftidis punclulatis. — Affinis & fovnicilacetie DC, qilae difteri floHbus (liiplo niajotilMs, sepnlis cordatis, mnthoris aristatU efrö«ro carpellorum inulco loi^iorl. — Crescit in campis prope Karkin ad orientem urbis Koniah in Lycaonia.*
- ^ *N. STELLARIS* Boiss. I. c. p. 8. f — *Pnmila paljde virens: caule tentii simplici vel divaricatim ramoso; ramis horizontalibus; foliU nbbreviati? inultilldis, laciniis teauter*

lincaibus acuis paico papiUoso-asperib flonbus involucro folioso muluQdo eo» subacquantis suffultis sepals cacrulcis pitulo-deflexis* oblongis attenuato-stipitatis, petalis hirsute longostipitatisbasiexnisnpci'uioghibiformi intus lacmia triangulari-lineauaucti<> ipice bilobis lobf> ovatis in hciniam apicc nuncato-cla\itam papillosam abcontibus, inftiens ilavi* mulicis carpellis tubcictthto-ispens in frucium pentagonum brevissime ul)Lomrum ccniro luantcin roilais, comubus 5 basi tuhci culo^is, apice Iac\ibus a lucie ronipicssi* bonzonialibus i fructu angulo iccio divergenubus coquo 4—5-plo longioubus semmibus quadiangulis punctato-tubticulosis — Crescit in cultis montis Cassli in regione mfciiion inter Cassab et Suadich

- 3 \ ARMENA Sicv Ann sc natur (3 Sor) XII 373 — Anibens mulicis. styli* 4—8-nis riemum pitontibus, capsulis aspens ad apiccm fere in c\hndrum clatum^connexis, caul« ci ccto glabi o 0 — In Armenia Rossica circa Elisabctpolin

4794A XAVERIA Dull,

(hnt\| Gin pi Su|p IV p 30 — *Anemonopsis* Sieb 8c Zucc, — Wlprs Annal I 12)

- 1 X L\MM0V)PSls Sitb a Aicc - Wlpr> Annal L 955 no 1) MAGROPHYLLA Lndl ir***.

4795 AQUILIAEGIA Tournef.

(1)(l'iodi I 50 — Wlprs Report I 50 V 6 Annal I 13)

- 1 "A)iri>D\ liieb ttMc\ -(Wlprs Repon I 50 no 2 Annal I. 18. no 1) — Van (Ioultt Won d<s senos \ tib 533
- I *| t\NVI)INSls I - DC I c 50 no 7 — Ton Gen pi fl Am `bor I S9 lab 11 -
- 3 *A 11 P10(IR\s Num hum and I'bihd MI 8 — Wlpr* Annal I 13 no 2 — Hook Dot Higv nb 440? — |in Houite Moic (Its sorres V tab 531 — *A luitulcu* Tdiuct in I<nj, > I \pod Hock mount II ^04 — Torr Ct bi Fl N Am I 30 — Wlprs IUJMI I 51 no 11 — *A macrantha* Hook ft Am Dot Beech |o| 317 —
- 1 A EINSFLLANA Fr Scbuliz Mora ID Z] 1848 p 153 — Calcanbtjs rocliuscuh.* arcuatismo Inon hamatis] hininain u unomm aoquantibus vcl piulum supcrantibus slamimbus luimma bievionbus hcpal* > o\ aio-hnceohtis folii* ternatis foliohs ad basin penes tiiftlis. iadicalilmsr lobis apuo obiusis incisis vcl ticnatis, caulims angustionbus, supenonbus lineanbus — (uscii in alpbis calcucis Uorclitesgadensibus

4796 DELPHINIUM L

(1)(Piudi I 51 — Wlpis Report I 51 II 743 V 6 Annal I 13)

- 1 0 (*Lonsohihi*J S(I LROCLADUM Bois-, Dngn pi nov onont VIII 8 f — Annum pilis Incubus id|>icssib canoscens oulibus plunbus a basi crebre ct pyramidatim ramosis i inns bitMbiis pitulis ngidis^inus bitdib folus ad omius dichotomias carnosulis >(Nsilibus imbilu orbuulnlis omnibus muldfldis latinus tbbreMatis linearibus, peduni ulis ngidis biadoolis 2—3 niiniini^ linearibus obsitis calvcis calcaie pubeyenn honzont ill ipi(C intiiivo supLint (huso coiolhc pailo anlica abbrevmta emargmata. lobo Miponun obtubion nnjoic, lobis postiu* IOSCIS magms a corollae paite antica siuu uigusiisMiuu sfjiiidid capsula glabnuna oblongo-linear rcticulato-venosa, apico rotundata stjlo lotto rostrata — Lrescit in monlibus demissionibus Syriae borcalis inter Latakiah et Aleppum
- i D (*Delphinabtrum*) PATLNS Bnth Plant Haitu 296 no 1632 — Glabrum vel pube^ rulum ramosum petiolis basi vix dilatatis loins profunde3—5-lobis, lobis mferiorum obovatis obtusis subtnlobis superlojuin subintcgns anguslis raccmis laxis, pctalis bppalis bicvionbus inferioribus bifid is baibatis ungue glabnuscuro ecalcaroto calcare cnnulo scpalis acquilongo — Flores us *D azwei* similes, sed racemi laxi pedicellis patentibus et folia multo minus dissecc lobis latis obtusis — Grescit in California in \alle Sacramento

3. *D. ITHABURENSE* Doiss. *Diagnos. plant, orient, no?.* VIII. p. 9. f — Radice tuberosa, fibris cylindricis abbreviatis fasciculatis conatane; caule elato subangulato-striato simplici patentim hirsuto; foliis longe pctiolatis patule hirtulis, ambiu rotundis, palmatis 5—7-partitis, segmentis basi cuneatis in lobos obfongo-lineatis obtusos apice caudoso-incurvatos flssif; racemo elongato densiusculo simplici; pedicello calcarum dimidio breviora, basi iribracteo, bracteis lanceolato-linearibus membranaceis barbatis, basilari majori pedicellum aequantibus; Aoribus griseis vel griseo-rubellis; sepalis barbatis ellipticis petala aequantibus; calcarum fore sublongiori cylindrico, recto paulo hispido; petalis superioribus glabris oblique truncatis, inferioribus paulo longioribus hirtulis in stipitem longum attenuatis, profunde bilobis, lobis oblongis longe barbatis. — Affine *D. hybridum*, ab eo distinguitur indumento patule hispido, foliorum forma, florum colore, pedicellis medius non bracteatis longe et dense barbatis etc. — Crescit in sylva montis Thabor Ciliciae.
4. *IK>LANIGERUM* Boiss. & Honn. l. c. 10. + — Glaberrimum: radice subbulbosiferassaf; caule elato tereti, superne parce paniculato-ramoso; foliis aniplis longe petiolatis, ferat basin isque palmatis, panitionibus in lobos late lineares acutis elongatos flssis; racemis abbreviatis laevibus; pedunculo calcarum paulo breviora, basi bractea subviori «upr6 medium bracteis binis lineari-setaceis glabris suffulto; flonibus intense caeruleis; sepalis ellipticis glabris apice ciliatis, petala aequantibus; calcarum flore longiori glabro recto, ad apicem usque sensim attenuato; jettilis anterioribus coriaceis oblique truncatis, praeter apicem sparsissime ciliatum ffrutris, superioribus basi longe stipitatis ad tertiam partem usque bilobis dense et hirsutis lanatis. — Crescit ad latera meridie spectantia faucibus Duderam montis Elbrus.

f **Icon addends***

- *D. TRIGORNE Micx. - DC. l, c. 54. no. 34.— Torr. Gen. pi. fl. Am. bor. I. 41. tab. 15.

4797. ACOÏTTUIH Tournef.

(DC. Prodr. I. 55. - Wlprs. Repert. I. 57. II. 45. V. 7, Annal. I. 14.)

1. *A. SINENSE Sebold. — Wlprs. Ropert. I. 53. V. 7. no. 1. — Paxt. & Lindl. Flow. gard. I. 167. fig. 116.
I *A. UNCINATUM Linn. — DC. l. c. 60. no. 11. — Torr. Gen. pi. a. Am. bor. I. 43. tab. 16. - ,

Genus 4ⁿdescriptum.**CONSOLIDA Lindl.**

(Lindl. ar. axt. Flow. gard. I. 168. no. 217.)

1. *C. ACONITI Lindl. ft. Paxt. I. c. — Delphinium *Aconiti* Linn. — DC. Prodr. I. 52. no. 9. — *Aconitum monogynum* Forsk.

Tribus V. PAEONIACEAE DC. l c; 64.**4796. TRAUTYFC TtfBHXA Fisch. y Mey.**

(Wlprs. Repert. I. 59.)

1. *TR. PALMATA Fisch. ft. Mey. — Wlprs. l. c. no. 1. — Torr. Gen. pi. n. Am. bor. I. 25. tab. 7.

4799. ACTAJEA Linn.

(DC. Prodr. I. 65. sect. 3. — Wlprs; Repert. I. 60.)

1. *A. RUBRA Bigelow. — Wlprs. l. c. no. 2.— Torr, Gen. pi. a. Am. bor. I. 49. tab. 19.

4802. *COKICIFUGA* Linn.

(Wlprs. Repert. I. 60.)

1. 'C. RACEMOSA Ell. — Wlprs. 1. c. — Torr. Gen. pi. 11. Am. bor. 1. 51. tab. 20. Torr. Fl. New-York. I. 22. tab. 4.

4803. *XANTHOMYZA* Hérit. *)

(DcJTrod. I. 65.)

1. X. APHFOLIA IWrit. — DC. I. c*-»Torr. Gen. pi. U. Am. bofl&_45. tab. 17.

4804. *PAJ3ÓJWIA* Tournef.

(DC. Prodr. I. 65. - Wlprs. Report. I. 61. II. 745. V. 7, Xnnal. I. 11.)

- j. P..WITTMANNIANA Steven, Ann. des scienc. natur. (Ser. 3.) XII. 874. It Adnok'bot. »). 12. f — (Diagnosis ilifcil a> m *pccici liomouymac. Ann. I. 14.) — IGaptulis glabris; loins aubtus pubesceniübs discolorihus loruntis,- inlcrtonmi folioU* lateralibus iterum toniulis vcl pinnutis ovuii> acuii^ — Crescil in uionAu#l'EarlalSiam^a (yrovincia Aclialzicho separantibus.

- i. '1\ TENUIFOLIA Linn. - DC. I. c. 66. no. 6. — Van Houilef Ftefe des serres IV. lub. 507.

Ordo II. DILLENACEAE DC.

(DC. Prodr. I. 67. — Wlprs. Repert. I. 68. U. 776. V. 8, Annul. I. 14.)

Tribus I. *DILLENIEAE* DC. 1. c. 70.4753. *HIBBERTIA* Andrws.

(DC. Prodr. I. 73. — Wlprs. Reperi. I. 61. V. 8, Annal. I. 15.)

- I. II. (S. 2.) ROSTELLATA Turcz. Bullelin de la socie* des natural, do Moscou XXII. Part. II. pag. 8.— Glabra:* caulo raroaso; foliisL brevissime petiolaiis alternis, interdum fiociculutis linenribus, versus a)jiceni incrassaliis incurvis, marginibus revokitis nervum inciliuin ciassum nbeuntein in inucronem cariilagjneum sub angulo recto patentem .-iitingentibus; iloribus axillaribiiM bruviter pedunculalis, pedunculo 2—3-bracteoIato longioribus; sopalis ovaiis glabris, Dæi cohacrefetibusrpetaja cmarginato^bilobâ caduca MiperantiJiis; hiaminibus circiter 15; ovariiis 5 glabris. — Folia ad Ionian tesiculis \< papillis uiinutis lecta. mucrone rigido oblongo-comico albo defleio quasi rostrata. Flores in gonore parvi, petala anroa in iloribus apertis delapsa. Styli subdorsales fililbrmes lungi, ovaria niulto Mijteranics, inter stamina exscrli, — Habitat in Nov^ Hollandia.
2. II. SQUAMOSA Turcz. I. cit. pag. 9. — Caulo ramoso; foliis brevissime pe^olatis firmis rcciLs lincaribus, margine revolutis, mucrone recto cartilagineo terminalis; floribus icrniinalibus. pedunculis squaniis gommoëns Insciculisque foliorum juniorum occultatfo. More brevioribus; sépalis ovalis" glabris, basi concretis potala cuueato-obovata biloba Mibacquantihus; sinminibus circiter 15; ovariiis 5 glabris. — Folia quam in prae-reicilnc fore duplo longiora. 7-linealia; flores inullo. majores. Petala ut in congenoribus aurea. Styli longissiml. — Habitat in Nova Hollandia.

*) Geous in *ReperloriQ* omwsuml

4773A. OCHROIASIA Turcz.

(Turczan. Bulletin da. la soc. imp. des natur. de Moscou XXII. Part. II. pag. 3.)

Calyx pentaphyllus, foliolis lanceolatis liberis. Petala 5 conformin, basi concreta. Stamina hypogyna numerosa, onuiia feriilia, undique ovarium ambelmtia-; filamentis tiliformfcus liberttf, antheris linearibus longltudinaliter intror^Ktn debiscenlibua-te^minalibus. Ovaria duo glabra, b^si ldviter connate 6—*8-ovulata. Styli dorsalestrfiuiformes, stigmatibus flblusiusculis.* Ctosylac 2, inlus 'deiiiscentes 6—8-spermae. SGmina biscriatim sutiujS^fntroflexis affix a orbiculata canjnculata. — Fruticulus praeter flores Klaber, ramomtg, cortice cinorascentle. Folia allerna brevissime peliolatafliflearia obtusa^margin^jevoluta, glaucescentia, petiolo piloso codftplanato. Fibres "m, -apic\$ raimilorum aolitarii, rarius bini mapisculir' Pedt&iculi vestiti bracteis, sirailAus sepaJis et corollae laqjois, sed" m*oribus. Bractee a basi peduncolorunt ad calyces qrescenteft, inferioxes Jporšo 'glahratae^marginibug -dense ciliatac, caeterte viilosae. -St)aTa-pBtaklque, illis majora, undique Willis mollibus longis^lutescepliSūs \;el ruio*lutescentibus.\estita. St^li basi dilalaia cum apice Tiv^Bjft conna^a, parta^lijpera filiformi. jam a dorso ovarii incifienie. Semmä rainuta suborbicuiata-,^fusco-lutea, carunculo depresso atrofesco^ucla/in 5f^cin^ñibus adliuc immatura. Genus *Dilleniaceum* ofario plurid^ulalq^ ad *fetracarpaeam* Hook, staaninibtis ad *Hibbertiam* a&cedens, s^lis lälateralibus ab omnibus Uujus ordinis distinctum.

1. a PRUMM(^OI Turczan. 1. c. — Habitat in Nova IloHandia.

473S PLEURANDRA Labill.

(D(i^Prfidr. I. 7*. — Wlprs. RepAl. I. 6^11. 746. V. 11.)

1. PL. (§. 4.)^StffrOIDEATlook. iri^itcUell, Journ. of trop. Auslr. p. 368. add. f — Pilis stellalis bjwibus flfeidis aspro: Iplila anguslo-liDcaribus obtusis, morginibus revoluiis; Uoribus fh rajio brevi solitartis; staminibus sub -12 unilateralibus; (lnmoatis infra indium Inaeqtkaliter eanexis.^Whtheras longHudine aequanlibur, ovario parvo gioboso lanato. — Crescit in Auðtralia orientali tropica.
2. PL. CRASSIFOLIA Turcz. Bulletin de la societd imp. des naiur. de Moscou XXII. Part. II. pag. 5. — Multicaulis: caulibus ramosis; foliis brevkor petiolatis linearibus obtusis, marginibus revolutis contingenlibut,, ulrinque pubesconiibus; lloribus terminalibus sessilibus; sepalis convexis awitiusculis cjljolatis, apicc barbulntis; petal is cuneato - obOVatis, profunde bUobis; staminibus nni lateral ibus numero<3, monadelphc: ovarii 2villosis biovulalis. —> Frulex dodranialis, folia Vfa lin. longn, flores mngnitudine jHorum *PI strictac* R. J3r. Potala lutea, calyce longiora. — Habitat in Nova Hollandia.
3. PL. JUNIPERMA Turcz.4. cit. pag. jj, — Caulo ramosissimo glabro; foliis alternis brevissi^ne petiolatis, anguste linearibus, marginc revolutis, mucrone canilagineo terminatis, junioribus flis sparsis uncinulalis vestitis, adultis vix pubcrulis; floribus axillaribus longe pcAnnculatñ; caçcis unibractcati sepalis ovalis, basi concretis acntis glabris, potnla cuneato -obotata biioba a«quantibus; staminibus uniaateralibus monadelphi^; ovnriis 2 birsutis. — Sepala oxtériaora angusliora cucullata, inioriora concaviuscula. ^glecta cohaesiono sepalorum Qt staminum ad descriptioncm *PI. aoicuiaris* Labill. satis nocedit, tifce elgnis,. foliis pilosis. calycibus acutiffiee mucronatis diversa et pro diversa ^{apccit} certfr hpbenda. -^Habilat in Nova Boltandhi ad flumen Cvgnorum.

4755/ CAWJ»OliI-KA Labill

(DC. Prodr. I. 73. — Wlprs. Jopert. I. 64. \. 11.)

- 1- *C. UACEMOSA EndJ. — Wlprs. Be'p'ert. I. 65. no. 3. — Lelnn. Plant. Preiss. II. 23C. - C) as&imilis Steudel. — Wlprs. Reperi. V. 11. no. 1. — *Hibberlia subexcisa* Sicudtl. — W.prs Report. V. 3. no, M.

- I C TCRCTIFOLIA Tuicz Bulletin de la societate inpei des-natural de Moscou XXII Pan II pag 6 — Caulibus ramose, foliis caulinis paucis, lamellis confertis sessilibus lineari-filiformibus acuminatis glabrisque floribus terminalibus bracteis foliisque obvallatis sepalis orbibus acuminatis, petalis cuneato-obovatis bilobis cum mucrono lobis inaequalibus superantibus, filamentis 7 uni-, bi-, laevibus antheris, ovario 3-lobis — Filiculis seminiferis. caulis c. laticibus 1—3 circiter (u. J. aut isocandentibus) cum surculis c. basi caulis ortis, leuopice florenti foliis ierommo oibati, MUCULI atque liim abbrevian. feic a basi cicatucibus foliorum Uilapsorum icli tomentosi, \ei-sus apicem foliis nonnulla persiancibus adkuc fyrftgdili. Floras in i amissibusque UMminalos. r foliis biaculisque s(pall* confoinibub. sed miaoribus* itch S(pala membranacea glabriscula, nci\o medlo ek\ato, in acumen longiu^ciliun itunuaui l'eiala luua. Filicula ad medium tanlum coalita, jta ut anihcrac in IIII [M (IK ollalat bint — Ihibilat in Nova Hollandia
- J (KO(UIOIDES Tuicz 1 c pag ? — Hamosa pills patentibus mollibus vestita, foliis subsessilibus lineari-bus obtusis maigine ic\ohuis, utn^ue praesertim subtus pilosis apice 4-lobatis in lobis lulis biaculisque foliis subverlicillalim dispositis ubi allalis ^cpalib basi concrcis oblongis acutis pubescentibus longe ciliatis; pelalis cuneato-obovatis tiuncaio-omarginatis sepala aequantibus, filamentis 6—7, 3—4-antheris orbis 4—5 „hbemiim — Fruticulus 7—8-pollicaris, habet Kochia peficiens. Flores plimnqiw tciimnaltb std inieidum in medio ramoruin siti Filamenta feo id anthecias usque connata Jta ut antheiac praorier untfam bievinime .pedicelUilam sessiles e\ac\ant, aut omnia 3—4-anthera aut 1—Z uni-vel diaggi^cia Petala lutea * — Uabilat in \o\ a Hollandia occidentali
- 4 (HILLIAMMIDLS Turcz 1 cit pag 8 — (aule lamoso glabrusculo. faims tomentoso-ovoidis lobis bicoloribus petiolatis lincanibus obtusis pubescentibus. Tjasi turn petiolis lompfanais baibtti-s, flunbusi foliis involuualis, sepalis basi leVtei toliauentibus oblongo-lanceolatis acuminalib, pelalis cuneato-obovatis bilobis brevibus, filaractis 5 brevibus 2—J-antheris, p\arn^3 glabei^hnis ^ <^wles 6—Q-pollicares Squamae coloratae luleae, inter folia njeimixtae, sed noifin omoibus fasciculis Pttala aureo, filamenia ad antheras usque connata Q. fasciculata R^3r. 4fidchi affinis, sod tllampna libera nulla, folia apico non penicillifera, basi verO VHL* loggis sonata* cactium pube brevissima lecta — Habitat in No\ a Hollandia

4757. HEMISTEIOIA *Commas.*

(DC Prodr. I. 71)

- 1 II RL\OLITIM Tuiczan Bulletin de la societate inpei de natural, de Moscou XXII Pan II pag 4 — Foliis altioribus ovatis minutis crassis, in petiolo brevissimo molulis¹ lanisquet adpressis flouibus ex aullis² supernonibus longe pedunculatis npetalis⁷ in laumum dibpOMtis, sepalis basi cobacrenlibus — Fruticulus encoidctis 6—9-pollis — ii is glabris in nris i amosus Folia in caule et ramis confer la. doi so toncava, margimbus hit imolutis, ad nenum medium crassum, basi latiore, apice in mucronem parvum (vcuinntem atlingentibus, ad leniem subtiliter hucilla Bractea minuta coljci adfint H ns Sopala utrinque lurtu acupubula membranacea, basi cartilaginea cohaerentia, hxnlio IHI\O caililaginto subinangulati, infra apicem caniscento peicursa Stamina umhteralia glabra, fcililia 6—8 intcioia, flamenis complanatis angostis libens, inhens leinmalibus biloculanibus, longitudinaliter delnscentibus, III amenta superanibus, stentia duo in serie cvttuore posita minoia, inter se inaequalia squamaeformia Ovana duo tomentosa biovulata, o\ulis prope basin afUxis. Stjlus terminalis filiformis, btigma obtusiusculum capillatum Capsulae duo, inius longitudinaliter dthistontes, scmine infenoio imperfecto, superiore globoso-ellipsoideo, anllaio lusco-niudo, umbilico latciali, prope basin silo, anllo e basi brevi cylinduca suisum in inunbranam umlaieialem semini adpressam expanso Testa crustacea atra mtida albumen torneum, embijo minuius Species propter habitum singular em et lone absentiam petaloiuin piopru genens esse Mdetur, sed mcertus do boc characierp,

IKi i noliui geni's consiitucie e\ «oh colnesione sepalorum mm tiles in plunmit
 <p utbus DiUcmacmiitn Australasnc nuin \ ric. cictris in Candollea laccmosa
 Hull obseiMlic sunt

Tubus II DEUMEAE DC 1. c 67.

4761 **DOLIOCVRPUS** Soland.

(I)(Piodr. I 69 — \Mpi< Reppil I fiO II 7^6 \ 13 Amnl I 10)

1 I) IRMIPIDICFLLVILS Gicke Lininci X\ll J7 f — Rimis gJobiis levitei stnalis
 debilibus non scandenlibuN folns conattis llijtlcis ipico icuminilis subuiuluhto-
 ^ppindis i mndio acue ot remote sen it> supia ^hbdiimib sublus nilidis in ncms
 tantum ipresse pilosis flonbus avillaibus hltulibusque iffgiopitis numciosis bit-
 Mler pLdicellatis pubcrulia 1—2 lm lon^is cihubus lnanjuilibus glabris fiuclu
 globoso |I duo — Cicscit ad npv» flunmis Suiunmc piope Joden-bi\inua

f Specleš e genere evpellenda.

h SnilDI >TATUS Gicke (Linmei WII 48 f) = Dcltnw ilasyphyha Miq Snip
 Sunnim select p 107

4763 **DAVILLA** Velloso

(DC Piodi I 64 — >Mjis Hqfit I 66 II 746 V 13)

1 D \SP1 RRIMA Sphtgibi \cedil Kruidkund Vvwh 1849 I p 234 — Scandons
 \olubihis a&pcrumQ folns oblongis oxito oblongiss ellipiicis obuisiis vel subacuiis mte-
 gdiimis sup erne ispcrriiins sub t us lufscenlibus ibique cum iamis cahcibusqut
 linsuiis (lonbus 3—5-pctalis — (\Mpis Hcpert II 746 no 1) — Cicscit in sjlis>
 h... Jiope Pannnbo

4764 » **Elii*** 1 \ linn

(DC Piodi I 69 — Wlprs hQicit 1 67)

1 I) DVMPHMI V Miqu Stnp Suuimncns select 107 — tolia> ovalo- >el oblongo-
 'Ilipliti* cuspidito-ncuminalis njonbus basi loiund His minoubus iculis, deorsum
 inlcgpriunis svnsum Iemote spino^c s< ualis coiactis supii glabus sublus I^no —
 16¹¹⁰ - coslatis sparseque villosis utiinque hc\ibus llonbus LX avillis foliaais PL
 dofolnii fascicuhlo-aggiegilis pedunculis simj liubus \el Jjifldis bnicllis scpalis
 quinque menibranacois subaequRlibus pubesLtnlibu^ pclihs (n lbus') caduc s o\iuo
 filabio siigm'ite pctalo — Icliacca cusyulala Mt\ — Doliataiput, scmidntalus
 Gaicke Linnaei X\ 48 — P foima angu lijulta folns hnccohto-oblontis p*ulo
 minonbus — S... ..

4765 **TETKACKI**t \ Linn

(DC Piodi I 67 —>\Ipis Reptit I 67 ^ 15 Annal I 15)

1 *T SURINAMr>SIS Miq Linnaei Will 265 a Slap buunam select 107 I 33 —
 hm ilia fitxuosa Sphlgrb — W Ipis Reptit V 14 no 1 —
 ^ T SCVDRA Hook III I^gei lion p 203 — Ramis podunculib folnsque siibtu*
 P> iccipue scibeiuhs U^ ^etiotalis obo\alis obtusis basi ingusiitii supn ghbcirimis
 bo punctatH subtus jn Denis pilosis mangmibus integri iinu» tcnmioi ICCUIMS pani-
 t-ulis rntomosis multifloris pedicellis villosis s<j nils, i jlundati> pubescentibus cilialis
 — Rami aspen Ioha 3—5 unc longa, l/a—2'A hn Mipra (^icdiito) siluiate fusca
 ^ubnitidi subtus pnllih junioii subspaiubulaia uiinque scibeiuh scmooi punctuhn
 punctis deinum concavis Petala slanumque ilbidi Own m omnibus flonbus
 I>>a quoiurn duo semper \bortna Mdcniui 0\uh nuca — Cicscit ad Mm Rnci
 piopt Aboli m ditione ^ig... ..

4766A MEOHTTOCITOSSUai *liana*.

(lhnco, IM n(n Austi Cinn dngn mod p 13)

sepala 3, aoquabn, (oncava, subiolund i cihati, sub\mosa persistent ia arslixationo imbncata, biatlms 2 us dimidio bnxioubus pioume sullulla IN tala 3, arqualia, coma^a Stamina plunini, livpopvna, lila muila unxata, c^axah apico \aide inciassata, connextixo phi" minus DJ(IJJJ, dnnthenfuo, anthoiao (vloisac, bilocularcs Oxaiium unitum, oxoideuiu, iimlonilaic, JJUKIOXuiafim s(xJus subulalus, tuixalus, siigma capi I alum, simplex

1 I S(AIIRLMJiffc 1 (— 1 inles* en*, on clum laui-a. novdliM sln^oso-lmlis foliis iluinis bipupuiohiii Mlijiiids mugdminis \d M\ smdiu, (\cnis xcisus* apicem pnnuii ulli i in ii HIK HI |»u(lii(lis piujsMir¹ slu^osis, uliiiHpic pundis muiutu, squomi-foiniilms (\|t\ u i itis piiiKiilis 1 i\i^ i\illiiiJnis ft Idiuiiitilibujs iluubus biacalib panib IIMIS — Ihb in JJ^ Ilon_pkoim II Jun.-Julio Anlliuie us Lacnleatn }mbesceiU^ poi similes —

Ad not *liadniklam* nun ilii mm < sso siispnoi Fed duae planiao o quibus islud < mis coinlit Dnus (iiiiilolhus soli I oircno to^nilat, n descnptio tani iicoimplta a divusi iliod non msiis sum till dubitaiione tjus nonifn lcincip. Quum pluiuna Dilleni i- < f ii urn JM noi i sr) ils (tfiudi nt im< quihbus, oignm quao supn biactcas \oca\i, prnuin pio lulmlis (ilwinis niuiiulms sumsi, corolla iuum cerle mpciala, ideoque ca nunt Ii)itissiniuin pi(i }i ((.ins li IM O quo pusuasus Mini me itcliis judicasse.

Ordo III MAGNOLIACEAE DC.

(DC Piodi.I 77 -\Mpis lli pi it I b) II lib \ II. Annal I I6.a933)

4737. JH^OSTOliIA *Lmn.*

(l)C 1'iodi.I 79 — Wlpis Hcpeit I 70 II 746, Annal I 95b)

I *M GLAICAI mn. — D(I c 80 no 3 — Ton H Ntw-\o»k I 27 hb 7 ft. Gon pl Ain 4ioi I 59 lab 23 — ^Wlpis Kcpcit I 70)

4740 IiIRIOBBHTBROlir *Limu*

(l)(Piodi I 82)

I 'I IIMPIIIWI -DC I c -Ton Gen pi fl Am bor I 63 lab 24

4743 ILLIC117JH *Linn.*(DC Piodi I 77 — Wlpi_b Ropoit. I 72 II 747 \ 14)

1 M HOHIDAMJM LII — DC 1 c no 1 — Ton Oen pl n Am bor I 55 tab 21,

Ordo IV. ANONACEAE Juss.

DC Prodi 1 83 [ox p] — Wlpis Hcperl I 73 II 747 V 14, Annal I 17)

4713 rOL.YAI.THIA *Blume.*

(X)U3 Report I 71)

t P. (*Onjmitiuj* CMIDIOPF TALA Dilzell in Hook Ktw gard misc II 39 — T^{obu} - obulntfis IMM< priiohu-, icponlc acummatis glnbfiumi^, inai/inibii>

im I ihtis floubus biipiaaxillaiibu^ solinnis iutaiHibus pedictllis Incubus, pcliolo
it iu ilibus basi bi—ti ibi icteolalis* stpalis rotundati* \elutmis petalis (xltuoubus
(I longib cucullatis inkmbub ininoribus in coloninammitiacfoimotn conndis omnibus
\ lutjms — Cre^cit in (.inaia in Indn oncnttli

4717 UV%RI% Linn

DC Pjodi I 87 — Wlpi> Ropcit I 76 V 14 Annol I 17)

- 1 L ^GLLII Hook III — Wlprs Ann bot s\st I 17 no 1 — Hook Nigei Flou
208 f t 17
- 2 U GI OBOSA Hook fil 'N&ci Floia 210 f — Ram is gracilibus ramulib velutinis
loliis> bicvitu peiolilis oblongo-elliptici:* lanccohtmc basi rotunditis ipice angustati^
uliiiKjui mlidi^ ad \cnas sublus pi iccipm pubiscentibus margimbu^ Unuitei lccunis
llonbus axillanbus *olilaim >el bum brevi^simo podicclhtis \<lnlinis nrpellis 3—1
bicMtei slipitatis globose dense leuugmco-pubc&ccnubus toio cipitoto ln&crtis
scmimbus bisenatis — Uabitat in terns Nigntnnis
- 3 L GRACILIS Hook fil 1 c -f—Glabra lamulis gianlibus ultimis pubescentibus foln*
brcMtei pctiolatis submembranaccis obovato hnccohtis longe et oblysc acununatis
babi subangust itis et juxta pcuohim obscuie corditis subtus pallide ghucis \oms
lubus pedunculis axillanbus solitanij> j>epalis patulib obo\ins obtusis carpcllj*
glabei rimis breviiici c^lindraccis laoibus subglaucesceniibu^ Ion go stipitttis (in mine
monlifoinubus⁹) loio pmo capilalo insoiti^ monoa-peimis — Sierra Leone
- 1 U RIIOVDNTIIV Hance IM no\ Vust Glm diagn incd p 18 — Arborescent
folus oblongis intc^einmis \iv innrgino undulalis icutis v ictusis basi mconspicue
Mjbcordatis bre^i:>sime pctiolatis imimluris ramulisque utunque molliter rufo-tomen-
tosib junioubus dmsissmic emnamomeo-\clutinis matuns demum supra glaberrnus
pedicellis latnlibus bpaisis uniflons folio inultoties brevionbus llonbus diametro
2 polliciiibus satin ate IOSCI* ciKcis inparlili hciniis ovalis atutis petalis subic-
qualibus ovatis acuti^ classic ciililngineo comcoi> u^ili* talvtcm MX dimidia superan-
tibus stimuli bus numciosiv>imu> (ulni 150), anlhuium 1 >culus oblongo-lincanbus
b^cccllis⁹ — Hab in msula Honkong Foln 4—6¹/ poll longa 2 — ^1/2 poll lan
- > U B\DIIFLOR V Hance 1 t p 19 — Piute^ctns fo III> bic\ipetiolatis oblongis acuminati^
basi lectubulis maigine integeri inns linmatui II> utimque pracseilim. in \enis sparse
fLiuginLO-iomeniosis maluu> supcine to;>ti \cnisqnc excepiis plus minus\c glabiatis
^ nonnunquam glaberrimis lamulis junioiibuu loliisque MX explicate densi^sinic
Jufo Aclutinis pedunculis oppositifolns 2—5 /Ions ptdicellu* breMbus niedjo bibractoo-
lalis folus pluuch biCMOibus flonbus diainttio sosquipolliciribub castaneis* calves
lulobi laciniib o\ato-tnangulalib atutit> pclilib *ubacqualibus bio\iter ungululat/s
ellipticjb aculis cuhcem MX duplo supcianlibu^ stnmimbus numciosis tntliciarum
loculis oblongo-lincinbus batcelis 12—20 j>lipitatis pirc tomcentellis c\hndiaco-
oblongis 4—10-spcimis hiipite biccelum adacqmno somimbus oibiculalo-compressis
luhis — Hab in ins Hongkong Smiruin Folia 4—5 poll longa 2—2¹/_a poll lata
- ^b U ^ONA)MRIDIJ?LOR\Spliteib ^cdcllandscll Kiuidkund Arch 184* I p 224 f —
I*oliis subbessihbus obovato-oblon^is bioiler obtuscque acuminatu ftieglabru. nunu
t>5>inc ptllucido punctatis Jlonbus pudunculali* boluains batcis (carpollis) momli
lormibujj stipitatis — Crescit m Suinam

472Q. ARTABOTRYS B Bt

(Wlpr* Repert I 80 V 15)

- ¹ | MACROPHYLLA Hook'fil Nigoi Flora p 207 f — Ohbii loins implis, laic o\atis>
^cl ollipiico oblongis, utunque lotundalis a apice dunptc icuininilis j>ubconaco>
supra nitidis pedunoulis oppositifolns lalcialibus.\c uncinati!> iino<<is multiflons pc-
lirollis brevissnms ciissis scpilis P bisi liii ^runmniis pcllilis o\nto hnccclntis
tahec duplo longioibu*) — In nisiuh Icinuih It

4723 U O V \ Linn.

UK Piodi I 83 - \Mpis Reput I 86 II 7i« V 15 Vmnl I 17)
 A H\IM\TV\TIIV Miqu Limnra \\\ 4W f — Scindnis nmulu* junioubus po-
 (luneulis peliolis nnoqur nirdu utimqic i ul»i₀nios0-pufic»e<. iitibus (binš membaii'iccis
 ntnnqiH nitnlis jniesdlm şubliis in ncius pul ciuli» obo>ato-\< 1 lancoohto-oblongis
 llonbus \u1₀o MjJilauis lalonlibiis, bnwiei priluiitulitis j>cpahş 3 pams hlo-o\alis
 quail 𐌹* NCIMIII lolundilīs riibipfinoso-toinoiitellis petals 3 r\ttuoiibu!> hnteo h-
 lis uliinque pube>cenlil>us jnlu^ basi mca uianguhn felabn, 3 inttnonbu¹* bieM3s>nnia
 o\ Uē> conta\is doiso e^jncKO Insin XCIMIS pubejjtentil)u«» — freiscit in Suunain in
 sylvis uliginosis

4721 ROliTiI]ŸI% St Hi!

OUpiN Ilcpnt I 90 H 74S)

I H 01 \L(I S(I Ns Mi Ÿi Sinp Sunn minis *,oU ct 108 + — Ramulib pcholis iolnsqiiif
 Uisl(niibus su| i | (ills 1%minis nispcis loins ptigamaceis e ba&i lotuudata angust
 obloii_nis iculis \LI obtusiustulis supia niudis j>ubtus glaucescenli-pallidis ~~costa lusc~~
 l>Lonlinen< \niis subobsof tis pntulis tucitn 12-ms pih^ spaisi-s ie\crso-appressissi-
 mis sup* i i II ui(hMIL mspcis ptduuculis hleialibus vulgo biflons, pedicdlis iipi i
 I* ism IM ul((lit in ii IK ul ills fuho-pubescenlibus, medio unibraccolatib, pctabs obo-
 \ do obit n^is obiusis IJIM ii mil cuşiiittis pallide othraceo-tomeuttllb ~~divergentibus~~,
 e u j uluş jjiuji iuiis buJ tsti utj'ius. — (ICSCJI in Suuiam.

Ordo V. SCHIZANDREAE Blume

(Menispermaaceae syuut D(Piodi I 104 — WJpis, Rtpeit I 92 II 748 \ 13)

4733 SCHIZ%]irDIIA Mitlu

(IX Piodi I 104)

SCII n>CGIM.I Mitlix — 0(| i — Ton ficn pi fl Am boi I 5J lab, ?l i7,

Ordo VI. MENISPERHACEAE DC.

(DC l'iodi I % [<clu&is biht amhei<i] — Wlpis Hopoit I 93 H 743 V 17,
 Aninl I 17)

4685. MKŸISPKRItIJIJI loin net.

(DC Piodi I 102)

i *M r(i^Af)rNSL L - DC 1 i no 1 - Ton Gen pi fl Am boi I 73 tab 29

4685/4 CAI.YCOCARPUM L Kutt.

(Null msb m Ton a Gr Fl > Am I 48)

Srpala 6 Pelala nulla Iloies slenlcs dodecandn, anthers adnati?
 filaiicento paialhhs, llores ftiiles stamihibus sex aboitivis ln&ructj
 Ovana Ina. Diupa solitana o\alis stylo piop'c apiccm inscilo. ^u\
 conta\o-con\c\ a, anlioisum piofmidc cxcavata.

I *C L\0M Nait mss Q_K Ton Gon pi fl Am boi | 75 tab 30 — Menitppumnn
 Lyom IMsli H Am sepir II 371 — b>c Piodi I 103 no 4 — TOM u ti H 4
 N Am I. is f — In Amtiita ~~butali~~

4687. *COCCULIJG DC.*

(DC. Prodr. I. 96. — Wlprs, Repert. I. 03, V, 17, Annal. I. 17.)

1. *C. CAROLISUS DC. 1. c. 99. no. 25, — Torr. Gen. pi. n. Am. bor. I. 71. tab. 28.

468%. *JATEORHUA Miers.*

(Miers in Hook. fil. Niger Flora 212. t. 18.)

Flores dioici. •— Masc.: Sepala sex ovata biseriata, exteriora paulo ininora, aestivatione imbricata. Petala sex ovata, sepalis breviora, apice iruncata, lateribus introfle\is stamina tegentibus. Stamina sex, pctalis opposita, filamenta crassa, apice arete refracta et in connectivum amplum ca#iosum terminata, antherae extrorsae, dorso affixae quadrilobae bivalves rima transversali liantes. Ovaria rudiraentaria tria, centralia punctiormia. Fl.foem.: Sepala ut in masc. Petala K cuneato-obovata crassiuscula, apice emarpiriata, lateribus introfle\is stamina tegentibus. Stamina sterilia 6, petalis dimidio breviora, filamenta tenuiora compressa, lobo rotundato apiculata. -Ovaria tria Ubera erecta oblonga gibba, extus dense glanduloso-pilosa, supra gynophorum subtrigonum imposita, unilocularia, ovulo unico funiçurtf brevi angul^ interno supra medium appenso. Stylus br/evis erassus subexcentricus. Stigma tripartitum, laciniis bi •— trifidis reflexis. Drupac tres, abortu pauciores ovatae carnosae monospermae. Nux ovata, dorso convexa tuberculata, pilis fibrillosis densissime plexis hnjuta, ventre laevis, concava. Semen loculo conforme meniscoideum. Embryo intra albumen carnosum quasi bilaminare fere rectus, lamella exteriori sitpptici tenui, interiori crassiore, et in rugis plurimis transversalibus profunde ruminatis, testa tenui in pJicis insinuala, cotyledonibus membranaceo-foliaceis spathulato-oblongis, lateraliter divaricatis, ct in locellis sejunctis utrinque positis, radícula supera hrevi lereti, ad apicem spectanti, centrifuga. — Suffrutices Africae tropicae debiles volubiles, selis rigidis vel pilis setosis vestiti; folia alterna magna petiolata cordata rotundata palnfatim 3—5—7-loba; racemi axillares elongati, pe3icellis laxis, 3—*7-floris, floribus vagis, pro ordine niajusculis bracteatis sessilibus, bracteis longissime setoso-ciliatis.

1- J. STRIGOSA Miers mss. ex'Hook. fil. 1. c. 213. f tab. 18.—Foliis rotundato-trilobalis, basi profunde inciso-cordatis, lobis triangularibus acutis mucronatis, auriculis basalibus rotundatis, marginibus parallelis fere approximatis submembranaccis reticulatis, supra nitidis, subtus pallidioribus septemnervibus, nervis ulrinque setoso-strigosis, setis adpressis rigidis rufulis longiusculis, margine dense setoso-ciliatis, pctiolo striato auriculis basalibus duplo longioro arcto setoso-strigoso; racemo axillari. — *Cocculus? macranthus* Hook. III. — Wlprs. Ann. bot. syst. I. 18. no. 2. — Crescit in ipsula Fernando Po.

*- "J. PALMATA Miers. 1. c. 214. adn. — *Cocculus palmatus* DC. —

* "J. COLUMBO, Miers 1. c. adn. — *Cocculus palmatus* Wall. Cat. no. 4953.

6494. *STS2PHAHTIA Lour.*

(Wlprs. Repert. I. 96. Annal. I. 18.)

* ST. (CLfPEA Dillon. ^Wpn.' Repert. I. 56. no. 11.) ABYSSINICA A. Rich. Tent. fl. Abyss. I. 9. 1.4. — Scanden? glaberrima: foliis peltatis ovalibus aut suborbicularibus. basi apicque obtusissimis, apice mucroaulatis, rarij acutis, supra viridibus, subtus glaucis glaberrimis, sappius 10—12-nerviis; fructibus subcymosis compressis obovatis, basi obliquis; nuce hlpooerpioa, margine grosse crenata. — *Menispermum Schimperii* Steud. m*s. — *Stephania Srhimperii* Hochst. mss — Crescit in provincia Tigre circa Ailoua in AbMün.

4695. CISSAMPEXOS *Linn.*

(DC Piodi I. 100 — Wlprs Ripcit. I % II 7*9 V. 17, Annal. I 18)

- J. C. \OGILII Mieis in W. J. Hook. Nigu Floia p 211 — Ramulis dcmum glabn<; IOMM rf palmais, ? subpelUUs coidatis dttojdoo-obo%alis, apice oblubiusculib emai-pjiuili*, J»IIIU miu lonalis, supia spai&c pubescenlibus ^ublu>> gu<>co-glaucis ct pubesmitibus 5—7-ntmbus, pcliolo tomentoso saepo nfiain limbo fen acquilongo; laceiuis g turns pcholo quadmplo bn'Moiifnis, \$ aullanbus &olitani», rarius buns scoipoidco-llP\uobi<> giaulibus, folio lungionbut, llonbus pedicellalis 7—9 fasciculati^, lolio luLoiidiis, bepalo oblonpo c\tu-> pilo&o, pcialo obcordalo minirao ovarioque glabns. — Giescit m Nigutia
- 2 VJ LOMATA Mieii 1 ni p ^13 — Folns suboibiculanbus coidalis, apice emdrgiualis imicionatis, pcliolo Mibbn vi, laixniuli^ 3—1 m nvillis jumonbus fasciculate dnoMpie dwtspeditelli^ tjpilliuciii, pcialo glabio maigino ucnato, anthcia otloloba — Giescit in Nigutia

4698. PHYTECRESTE *Mall.*

(\Mpis Report I 98.)

- J I'll MVGROPIILLV Dluino, Rumphin I\ 36 f a Mus. boi. Lugd Uala\ p 41 MO *ji f llg 7. — Folii* conacL'is lato-coidatib acuirnpatis incgns vel smuato-tnlo-dji^, siiblus o rnuMi*o-flauccMeuu-lomento^i<>, flomm mascuionun panicuhs^ olongatis ad basin tiunti dense tongo<>ti> nudis — *Gynoecephala maciophylla* Dlumc. — Crescit in insula I.i|i
- 2 I'll. HIRSUTV Dlumc 1. c 37 f — Foliii subconacois subcoidalo-oblongis acumirtati^{1*} sctacco-miicuiiKiti^ micgiiN, subius pctiolisquc lm>uiis; floium masculorum panicULi* Mitiaa\ille>]jbus clong-atjs, ih.(clnbu>> lamilkatioium Ineviuni illarum in mucrouem lom,jhMinuin sciifoimem liiiliin dLMiicntibu». — *Uoehmeria raccmifloia* Forst. — GrosCit in liquia I.lebes.

469dA. (4564) IOLKIUEIIIA *Meisn.*

(Wlpi s. Report II 434)

- 1 \J KLEINII Moi&n. — Wlpi s. I c no' 1. — Blume, Rumphia IV 37. Ct Mus. bot Lugd. Bata\ p 42 no. 96. — roliis> subconaceis, bæsi dentalis v. lobatis. — In jicnisula Indiae ouentalib
- 2 M LELF.DILA Dluinc 1. 1 t c no. 97 f fig 8. — Folns mcmbianateu. oblongs acuminalis miRionulalis bubiiic^rtiiimi<> — In msula Celebes.

4703. L1KDIZABALA *Rz. sf Pav.*

(DC Piodi I 95 — Wlprs. Rcpert. I 99)

- 1 *L UITCRNATA *Rz* it Pa^ — DC. 1 c no 1 — Wlpi s. 1 c. no 1. — Paxt. CL Lindl. FION gaid I 29 fig 18 — Hook Bot Magaz. tab. 4501.

Ordo VII. BERBERIDEAE *vent.*

(DC Piodi. I. 105 HI — wipi^ Rppcit I 100 II 749. V. 18, Annal. I. 19 & 956.)

4806. PODOPHYIJIHJM: *L.*

(DC. Prodi I. III — Wlpr* Report I. 100)

- J *P PELTATIM *L.* - DC. 1 c. - \Mpis. 1. c - Toir. Gen. pi. A, Am. bor. I. 87. lab. 35. 36.

4807. **JEFFERSOt**fIA *Bart*

(DC Piodr I 111 — Wlpis Repert I 100)

1. *J DIPHYLLA Pers — DC 1 c — Wlprs 1 c — Torr Gen pi fl Am boi I 83 tab 54

4808 **mPHYLLEIA** L *C Rich*

(DC Prodi I 110)

- 1 *D HMOSA Michx — DC 1 c — Ton Gen pi fl Am boi I 63 nb 33.

4810 **L.EOHTTICE** *linn*

(DC Piodr I 109 — Wlpis Repeit I 100 Anml I 19)

- 1 *t THAI ICTROIDJS Linn — DC J c 110 no 5 — Ton Gen pi fl Am boi I SI lab 3i

4811. **EPIMEDIU**ai *Linn*(DC Prodr I. 110^o^ - Wlprs Repert I 100 V 18 Anml I 19)

- 1 T PINJ^SATUM Fisch — DC 1 c no 2 — Wlprs Anml I 19 — Hook Dot Magnz tab 4456 — Fisch & Mey Seit Petropolit I tab 1 (c desaipt)

4814 **RERHERIS** *Lvm*

(DC Prodr I 105 fit 108 — Wlprs Repeit 101 II 749 V 19 4nml I 19)

- 1 B (*Da bens*) MELANOCARPA S Sctaur Jaliresber der scbles Gesellschaft fu valerl Cullur XXVIII p 180 — Fols obovatis v clliptico-oboAaiis marginc aculcato dentatis apice mutionali* aculete. axiUarffius pleiumquc **irifidis** lacomis penduli* laxis Honbu* panib baccis iUgucanli>cociuleis — In Amenca boreah mdigena dici-lui circa ^i atislaMam Aiadunam culta
- ^ I) CIIIARIS Lindl mss in Van Houtte Flore des senesM p 68 adn — Scmperuiens incrmis C) fols fasciculate oblongd-lanccolatis iltc reticulatis ciliato-spinosib, utnn-(juc concoloribus racemib subcoijmbosis, compaclim cieclis fohorum longiludine, biactcis pungentibus sepalis^petalisque clongalis — Habitat in Bolivia
- ^ B IADULATA LTndl mss ox Van Houtte Floic dts spins M 70 f — Sempervirens iigida spinis 3—5-paititis folu> fascicuhtis ronaccis unduldlis opncis mucronatis nulic spinoso-dentatis oblongo-lanctolatis MY lciitulatis nccmi^ ciectis Hibsessilibus folio brovionbus — Habitat in Porufia
- 4 B AURAHUACENSIS Lemaue in \an Houllc Floie dos senes IV t 334 f — Spinis digitato-5-pai tiqs plains fols diflbrmibus mferionbus lougissime petiolatis cordato-ovahbus supenonbits obo-vato-ellipticis bieMtei petiolatis, omnibus coriaceis, apice mucronulato-spmulosis (sicut ct lanus 1—3 spinulis ad maigmes) subundulatis, subture glauco vctstitis racemis mulliflons bre^ibus nutantibus bractcis oblongis, apice setigens flonbus laele auieo-utcllini* — Habitat m No\ a Granada.
- 5 B FFNDLCRI Asa Gray Plant Fcndlor 5 no 15 — Niiidisaima ramis vemicosis spinis 3—5-partitis fols oblanceolalir. oblongisvc muticis subintegen imis uinnque lucidis racemis pendulis densiilons folia multo exccdentibus bracteohs cil>culi sc-J>ali6 dimidio brevioribus,, petals icutiusculis baccis inimaluris subglobosis 2—3-spcr-niib — Crescit in Nova Mexico'
- 1 "B (*Mahoma*) TRIFOLIOLATA Moicand PI nou\ Amor 113 I 69 — Wlpis Repeit II 741 no 2 — Giflv, Boston journ of nat hist M 142 — *Iiabrus* \Uc\fol\ a Scbcele Linnaca XXI 591 (nee Forst) — *B Bocmei tana* Scbcele 1 c XXII 352

t Icones addendae.

- » CANADCNSIS Prsb -(DC Piodr 106' no 3) - Ton Gen pi fl Am bor I 7** tab 31

-]] DARWINII Hook. — (Wlprs. Reper. V. 19. no. 4.) — Paxl. & Lindl. Flow. gard. 1.13# flff- 4. .
 R. LOXENSIS Bntli. — (Wlprs. Annal. I. 20. no. 7.) — Lindl. ft: Paxt. "Plow. gard. I. 13. fig. 3. — Van Houtte, Flore des serres VI. 69. (c. ic. xylngr.)
 P. TIXCTORIA Lcscli. — (Wlprs. Reper. I. 102. no. 8. III. Emend, p. 1.) — Van IlouUe 1. c. VI. 75. (c. ic. xylogr.) — Lindl. & Paxt. Flow. gard. I. 13. fig. 5.
 R. WALLICIIANA DC. Prodr. I. 107. no. 20. — Paxlon & Lindl. 1. c. I. 73. fig. 58.

4815. CttOOMIA Torr.

(Endl. Gcnr. plant. Suppl. I. p. H19. — Wlprs. Rnpert. I. 104.)

1. T.R. PAUCIFLORA Torr. — Wlprs. 1. c. no. 1. — Torr. gen. pi. flor. Am. bor. I. W» tab. 37.

Ordo VIII. CABOHBEAE Rich.

(Wlprs. Report. 1. 105. V. 19. — *dlydropellidcac* DC₁ Prodr. I. 112.)

5024. CABOMBA Aubl.

(DC. Prodr. I. 112. — Wlprs. Reper. I. 105. V. 19.)

- J. «C. CAROLINKNSIS A. Gray. — Wlpr<. I. I. c. c. — Torr. Gen. pi. fl. Am. bor. I. 93. lab. 3K

5025. BRASHMA Schreb.

(Wlprs. Report. I. 105.)

1. •nn. PELTATA Prsh. — Wlprs. 1. c. — Torr. Gcn.*j»l. fl. Am. hor. I. 95. tab. 39.

Ordo IX. NELUHBONEAE Barti

(Wlprn. Reperl. I, 105. V. 20, Annal. I. 21. — *yymyhaeaccarum* trib. I. DC. Prodr. I. 113.)

5026. 1VEL.UJIBICJI Juss.

(DC. Prodr. I. 113. — Wlprs. Reper. I. 105. V. 29, Annal. I. 21.)

1. 'X. LUTEUM Willd. — Wlprs. Report. I. 105. no. 1. — Torr. Gen. pi. fl. Am. bor. I. 97. tab. 40. 41.
 2. 'N. SPECIOSUM Willd. — DC. 1. c. no. fe — Wlprs. Report. I. 105. - Van HoutlP. Flore des serres V. p. 525i. c. ic. xylogr.

Ordo X. NYMPHAEACEAE s_aUsb.

(DC. Prodr. I. 113. [exd. trib. I.] — Wlprs. Rppert. I. 106. II. 749. V. 20, Annal. I. 22.)

5019. VICTORIA Lindl

(Wlprs. Reper. I. 106, Annal. I. 22. — Endl. Gen. pi. Suppl. IV. p. 43.)

- \. 'V. REGIA Lindl.— Mprs. 1.]. c. c. — Van Houtte, Floro des serres VI. p. 193. sqq. lab. 595 — M1, — Description of Victoria rogia or great Water-Lily of South America

by Sir. W. J. Hooker. London 1847. fol. p. 8. tab. 1—4. — *Victoria Amazonica* Sowerby, Annal. of nat. hist. (2. Ser.) VI. 310.

5020. *SmUPHAXSA Neck.*

(DC. Prodr. I. 114. — Wlprs. Report. I. 106. II. 749. V. 20, AnnaL I. 22.)

1. N. SPLENDENS Hentze in Schlichtd. Bot. Ztng. VI. 603. — Foliis ovali-rotundatis profunde cordatis integerrimis, lobis bascos divaricatis; genuine versus apicem usque staminibus obbito, stigmatibus 12—16- v. rarius 20-radiato, versus maturitatem plano-coroniformi; fructu aurantiiformi lutescenti viridi. — In aquis stagnantibus in Hassia.
2. N. NEGLECTA Hauscutner in Schlichtd. Bot. Ztng. VIII. 905. f — Proxime accedit ad *iv. albam*, sed difert stigmatibus 8—10 - radialo aurantiaco pulveraceo, germine ovali ad duas tertias staminibus obsito foliisque junioribus infra cum peliolis pedunculisque pilosis. — In aquis stagnantibus in Silesia.
Obs. Varietates *Nymphacae albae* L. de scriptis reperies a cl. Hentze in Schlichtd. Bot. Ztng. V. 697 — 702.

+ *Ioones addendae**

- N. AMPLA DC. Prodr. I. 115. no. 11. — Hook. Bot. Mag. tab. 4469.
N. MICRANTHA Guill. & Perr. — (Wlprs. Report. I. 107. no. 6.) — Hook. 1. c. tab. 4535.
N. ODORATA Ait. — (DC. Prodr. I. 116. no. 15.) — Torr. Gen. pi. fl. Am. bor. I. 101. tab. 42. 43.

5021. *OTPHAR Sm.*

(DC. Prodr. I. 116. — Wlprs. Report. I. 108.)

- I. * K. ADVENA Ait. — DC. 1. c. no. 6. — Wlprs. 1. c. no. 4. — Torr. Gen. pi. n. Am. bor. I. 103. tab. 44.

5023. *SAKRACEMA Linn.*

(Spr. Syst. veget. II. 600. — Wlprs. Report. I. 108. V. 20, Annal. I. 22.)

1. * S. DRUMMONDI Croom. — Wlprs., Report. I. 108. no. 3. — Van Houtte, Flore des serres VI. 81. tab. 560. — Lindl. ft Paxt. Flow. gard. I. 1. tab. 1.
2. * S. PURPUREA L. — Wlprs. 1. 1. 1. c. c. c. — Torr. Flor. New York I. 41. lab. 6. ft Gen. pi. n. Am. bor. I. 107. tab. 45. 46.

Ordo XI. *PAPAVERACEAE Juss.*

(Wlprs. Report. I. 109. II. 750. V. 20, Annal. I. 22. & 956. — *Papaveraceae* fit *Fumariaceae* DC. Prodr. 1.117. & 125.)

Subordol. *PAPILVEMEJLE^ndl.*4818. *SATFCUJINARIA L.*

(Wlprs. Report. I. 109.)

1. S. CANADENSIS L. — DC. Prodr. I. 131. — Wlprs. I. c. — Torr. Gen. pi. t. Am. W. I. 115. tab. 49.

4821. *ARCtKMOSTE Toumef.*

(DC. Prodr. I. 120. — Wlprs. Report. I. 108.)

- I. A. HISPIDA Ait. — DC. Prodr. I. 117. no. 16. — Torr. Gen. pi. n. Am. bor. I. 107. tab. 45. 46. — *Radicis perenni; caule crasso foliisque profunde pinnatifidis pubescentibus breviter ciliatis undique tectis et nervis organibus.*

que praeferlim) sciosissimis; calyce aculcalo; corolla alba maxima; capsula cylindrica (biunciali) acutata spinis validis setisquo borrida. — Crescit in Nova Mexico.

t Icon addenda.

- A. MEXICANA L. - DC. I. c. - Wlprs. 1. c. — Torr. Gen. pi. n. Am. bor. I. 111. tab. 47.

4822. MECOTFOPSIS Vig.

(DC. Prodr. I. 120. — Wlprs. Repert. I. 110.)

- J. 'M. DIPHYLLA DC. I. c. 121. no. 3. — Wlprs. 1. c. no. 6. — *Stylophorum diphyllum* Nutt. — Torr. Gen. pi. fl. Am. bor. I. 113. tab. 48.

4823. PAPAVER Tournef.

(Elkan in Wlprs. Repert. I. 110. II. 750, Annal. I. 23.)

1. P. (*Pyramidostigma*) UMBONATUM Boiss. Diagnos. plant. orient. nov. VIII. p. 11. Annuura vel bienne adpressum pilosum, a basi ramosum: caulibus diffisis flexuosis abbreviatis ramosis intricatis cespitosis; foliis parvis in petiolum brevem attenuatis obovatis sinuato-pinnatis, lobis paucis rotundatis obtusis; pedunculis flexuosis oespite 2—3-plo longioribus; coriis puniceis parvis; sepalis parce setosis; capsula angustic linearis-oblonga basi attenuate substipitata glabra, disco stigmatifero piano quicquidlobo ad centrum in umbonem conicum producto, lobis rotundatis, vix disjunctis. — Crescit in jugo Libani Gebel Baruck dicto, inter Dcir el Kamar et Rascheya copiosum.
2. P. [*lithnoides*] TENUIFOLIUM Boiss. et Hohen. 1. c. p. 10. — Annum, totum inferne setis basi in papillis dilatatis longis albis crispis paucis obsitum: caulibus e collo phiribus tenuibus crassis, praeter basin foliiferani scapiformibus unifloris; foliis, ad collum et secus basin caulium congestis cespitosis brevissime petiolatis brevibus, ambitu lanceolatis bipinnatisectis, lobis minimis tenuibus oblongis mucronatis; pedunculis folio triplo longioribus parce hirsutis vel glabris; sepalis longe et parce setosis; petalis parvis carnis, basi carmineo-maculatis; flamentis nigris setaceis; capsula parva breviter obovata glabra, disco stigmatifero piano rotundato sexlobo. — Crescit in scabrositate faucis Schir Dere montis Elbrus prope Derbend.
3. P. COMPLANATUM Bogenbard mss. ex Bischoff, Delect. sem. hort. Heidelberg. 1849. p. 4. — Simillimum est *Pap. dubium* L., petala autem habet multo minora (ovario vix duplo longiora) miniata, stamina pauciora (circiter 15), stigmatis 5-radiati crenas sub anthesi margine incumbentes, nec disjunctas, et radios papillis longioribus vestitis. An nihilominus *P. dubium* varietas? — Prope Mannheimium ad ripam Rheni auccior oculatissimum invenit v. 1818. mense Majo plane jam defloratura. —

Subordo n^o FTJMJLHMJLCEAE Endl.

4836. BICTRA liernh.

(Wlprs. Repert. I. 118. V. 23, Annal. I. 957.)

1. (!). CANADENSIS DC. — Wlprs. 1. c. I. 118. no. 5. — Torr. Gen. pi. II. Am. bor. I. 119. tab. 50.

4836A. ERCASTOSI Sieb. et Zucc.

(Wlprs. Repert. V. 23.)

1. "EU. SPECTABILIS Sieb. et Zucc. — Wlprs. 1. c. — *Diclytra spectabilis* DC*—Paxton, Mag. of bot. XV. 127. (c. ic.) — Hook. Bot. Magaz. t. 4458.

4837. ADIQUA Raf.

(DC. Prodr. I. 126. — Wlprs. Repert. I. 118.)

1. * A. CIRROSA Raf. — DC. I. c. - Wlprs. 1. c. — Torr. Gen. pi. II. Am. bor. I. 121. tab. 51.

4838/. SOPHOROCAJraOS Tare;

(Turcz. Flora [B. ZI 8. XXX 707])

Calyx diplyllus, foliolis lateralibus deciduis. Corollae ringentis petala qualuor bypogyna, anticum planum, posticum basi calcaratum, duo laleralia interiora distincta, antico minora conformia. Stamina sex diadelpa, phalanges petalis antico et postico oppositae membranaceae, breviter stipitatae, basi obtusae, apice triantheriferae, anihera media bi-, lateralibus unilocularibus. Ovarium plurio\ulatum. Stylus terminalis persistens, stigma bipartitum, lobis horizontaliter divergentibus, triplandulosis. Capsula [immatura] linearis moniliformis 6—8-sperma, isllunis membranaceis inter semina intercepta. Semina strophiolata, compressa, alternatim, puncto laterali prope basin eorum sito, placentis duafnis parietalibus affjxa. — Herba perennis glaberrima, *Corydalidum capnoidearum* facie: radice divisa, foliis bipinnatim sectis, segmentis incisis, floribus laxè spicatis. pallide flavis, bracteis inferioribus obtusiusculis integerrimis, superioribus acuminatis, minute denticulatis, capsulis cernuis plerumque arcuatis, in rostrum aitenuatis, inter semina strangulatis, intus transverse septatis, non vero articulalis, loculis monospermis per paria approximatis. — Genus a *Corydalide* capsulae structura et stigmalum direcCione sufficienter distinctum.

1. *S. PALLIDA Turcz. 1. *tit.* p. 707. — *Cotydalis pallida* Turcz. *nfiss.* — Crescit in China boreoli.

4839. €ORYJDAIi8 DC.

(DC. Prodr. I. 126. — WIp^s. Repert. I. 118. n. 750. V. 23. Annal. I. 24. ft 957.)

1. *(. RtPESTRIS Kotschy. — Wlprs. Annal. I. 24. no. 3. — var: *bracteata* Boiss. ft IFohen. Diagnos. plant, orient, nov. VHL p. 11. — Major: folia cum petiolo scapisquo 8—10 poU. saepe longa, bractee membranaceae virenes oblongo-lanceoiatae acuminatae pedunculos supcrantes, caetera speciei. — Crescit in praeruptis ad cataractas v^scr Abi Schirr montis Elbrus altit. 5000 ped.
2. *C. RTJAKFOLIA Sibth. — DC. 1. c. 126. no. 3. — var: *subuniflora* Bofes. et Heldr. I- c. p. It. — Caulis gracilis humilis, apicc du6 folia ofosila ternata vel bitermata ferens, segmonia peiolulata ovato vel oblonga obiusa, pcdunculus axillaris foliis brevior, 1- rarius ?-floras medium versus bractea ovato-rotunda basi drnptaicauli lacinulaque setacea bractee opposita stipatus, capsula subglobosn. — *Fumaria uniflora* Sieb. — Crescit in lapidosis excelsis montium Lassiti Cretae.

f lean addenda. :>?

- ← AUREA Willd. — (DC. Prodr. I. 128. no. 23.> — Torr. *Q&t.* ph ff. Am. bor. I. 123. tab. 52.

4841. SARCOCAPITO & DC.

(Wlprs. Roperr. V. 24.)

- *S. DNNEAPHYLLA DC — Wlprs. 1. c. — R. v. Roemer in Schlecht. Bot. Ztng. VI.9.— *Aplectrocapno8 Bactica* Boiss. — (V>prs. Repert. V. 33. "no. 1.) — est forma mon-
brosa.

4843. *fiÀ**CA#*€r» Brnhrdi.

(Wlprs. Repert. V. 25.)

- * PL. SAXICOLA Willk. Bot. Zeii. VI. 367. f — Prostrate: caule hide a basi in ramos filliformes ascendentes diviso; foliis longe petiolatis fere omnibus basilaribus bipinnatis>cti«, segmentis mucrontitis, foliorum irvflmorum lanreolatis, reliquorum anguste linjja-

nbus lacemis densissime capitatis longe pedunculatis, flonbus parvis ex cameo purpurascens lanegalis, superionibus erectis, reliquis horizontalibus, siliculis compicissis obnatis, basi subcuneatis late marginatis utrinque nervosis monospermis. seminibus obovatis, margine umbilicali exaristatis laevibus nigris — Differ! a *P. spicata* taulibus prostratis multo gracilioribus internodiis subnudis, foliorum segmentis mugerrimis, raceme longissime pedunculatis lloibusque multinerviis, siliculis obovatis latioribus multo magis compicissis, utrinque nervosis alusquo rhachidibus — Cicutum in cacumine La Sagia Sierra Hispaniae, in detinentibus alicubi *ghredque* calcantur tectis, ad altitudinem circa 7500 pedum

4844. FUMARIA L

(Wlprsr Report V 26, Annal 1 25)

- 1 F CONHENSIV Toid Cat dujnd de Dijon 1848 p 18 f - Racemis evolutis laevibus biartatis oblongis acutis pedicelli patulo-eicelli latitudinem aequantibus, ipso duplo brevioribus sepalis ovatis acutis obiter dentatis, corollae latitudinem aequantibus, longitudine sua triplo brevioribus in fioculo juniore saepe persistentibus, calcare elongato sepalis subduplo longiore fructibus rotundius obtusis laevibus vel demum paulisper rugulosis basi utrinque latissimum diametrum suum (in vivo) aequante pedicello quicquid picci pium mcrassato conspicuo latiore, foliorum lacinus oblongis — *F. media* Lois c. p. — / *nunahi* Gron a Godr Fl d Fi I. 67 ex p. — In onis Galliae mediterraneae¹
- I F KRALIKI Joid 1 r p 19 — Racemis ovolutis laxiusculis, bracteolis oblongo-obovatis pedicello longioribus pedicellis fructiferis brevissimis omnino recurvatis, sepalis (natis dentatis) latitudinem ipsius longitudinem dimidiam superantibus, calcaris sopahs. bicurvatis fructibus patulo-eicellis exacto orbiculatis obtusissimis, fructus basi pedicello apice sciisunt intussuscepto paululum angustiore, foliorum lacinus planis oblongo-linearibus linearibus saepe tenuissimis — *F. pulchella* Kralik. mss (nec Salfsb) — r *Analolica* Doiss Diagn pi nov orient VIII 14 © — Habitat locis multis prope Marseille CL in Caria
- J F SPECIOSA Joid Gaines lecoliccs au janl bot de Gienoble en 1849 pag 15 no -5 — Racemis evolutis laxiusculis biarticulatis oblongo-linearibus acuminatis pedicello patulo-recuno demum paulo brevioribus sepalis ovato-oblongis, infra medium subdentatis, superne inogitiusculis corollae tubo latioribus codemque vix duplo brevioribus, doiso viudibus paulum canatis < iltiio sepalis bicurvatis, fructibus parvis laevibus 10-lundatis obtusis, levitici compiescens, basi sua pedicello angustioribus, foliorum lacinus oblongis, petiolis cirrosis caule ciccto vel diffuso scandente ramoso. — Crescit in .mis (I ollobiis Galliae australis
- J F VAGANS Jord 1 on pag 15 no b - Racemis ovolutis laevibus, bracteis oblongis nopic submulticulis bidentatis acuminatis, pedicello patulo-eiccto demum subduplo brevioribus, sepalis ovato-oblongis apiculatis circumcirca inaequaliter serrato-dentatis cauda videscento mcrassata praeditis, corollae tubo aequilatis coque subtriplo brevioribus calcaris sepalis longiore, fructibus siccitate paulisper rugulosis subrotundo-obovatis, MX compressis, apice bifoveolatis acutiusculis, fructus stipite pedicello latitudinem subaequantibus foliorum lacinus oblongis planis, petiolis saepe subcirrosis, caulibus gracilibus cinctis dillatis subsiliosis — (crescit in anis et ad muros IU Galliae inediterranea
- 5 F SPICATILIS Risch Del sem hoit Heidelberg 1849 p. 4 — Fructibus subrotundis obtusissimis vix subtunicatis alde ruguloso-tuberculatis, sepalis oblongo-ovatis longe acuminatis lacinato-dentatis corollam dimidiam vix aequantibus pedicello latioribus. lacemis evolutis laxis breviter pedunculatis, bracteis pedicello fructifero brevioribus, foliorum lacimibus lanccolatis — Patna ignola Scmina promiscue cum illis / «-manac mm alii Sond e horto quodam pluvies iam ante annos accepimus — Species e majonibus generis, proxime ad r *agranam* Lag accedens, sed robustior Caulibus in solo foris bipedalis et longior. Foliorum lacunae acutae, mucronatae,

lacinia intermedia cujusque folioli latior et mucrone longiore subcuspidata. Racem» sub-20-flor., cum pedunculo brevi (3—6 lineas longo), 3y_a—4-polliniferis, rachis pedunculoque crassis. Floret magn. (6 lin. longi), pallide rosei, petalo calcarato binisque lateralibus n. n. atro-purpureis, calcare elongato longitudine sepalorum, petalo inferioro (v. extrorso) mox latius patulo v. subrecurvo, Fructus aequo longi ac lati, basi paulo angustiores, tuberculis circinnatis exasperati

- h F GUSSONII Boiss Diagn. plant. orient. nov. VIII p. 103 + — Glaucescens caule humili basi ramoso non scandente, petiolis circinnatis, foliis crassis cuneiformibus abbreviatis plennis. in lobos angustos oblongo-linearibus breves obtusos fissis, laciniis demum laxiusculis, scapulis ovalibus cuneatis denticulatis mucronatis, corollae tubo aequilatis eaque 3—4-plo bicornibus, pedicellis fructiferis rectis, bractea triplo fructuque duplo longioribus, fructu (medio) globoso-subcompresso obsolete caudato tuberculato, apice rotundato bifoveolato — *F. *Pecten* Guss — *F. capreolata* var. y. ex p. Parl. Mon. Fum. — Crescit in Sicilia, agro Neapolitano, in Algeria prope Asculura
- 7 F RLUTERI Boiss 1 c. p. 13 f. — Caule recto non scandente, petiolis circinnatis, foliorum laciniis minutis anguste linearibus subcanaliculatis confertis, racemis laxiusculis. sepalis e basi laeviter truncata oblongis submarginatis acutis, corollae tubo aequilatis eaque plus duplo brevioribus. floribus pallide, apice intensius violaceis, pedicellis fructiferis rectis, bractea sesquialongioribus. fructu fere duplo longioribus. fructu (parvo) ovoideo laevi, vix compresso, apice bifoveolato acutiusculo — Crescit in castello vetere prope Miraflores ad radices Sierra di Guadarrama in cultis montis S. Nevada prope San Gerommo in Hispania
- 8 F OXYLOBA Boiss 1 c. p. 14 f. — Pallide virens caulis ascendens ramis intricatis; petiolis subcircinnatis, foliis laciniis platis latiusculis flabellatis oblongis acutis mucronulatis, racemis paucis et confertifloris, fructiferis etiam brevissimis; floribus medio-cornibus angustis albidis, apice vix emarginatis, sepalis minutissimis laeviter obovatis, corolla multoties brevioribus angustioribusque lanceolatis, basi integerrimis, utrinque dentibus 1—2 saepe emarginatis instructis, pedicellis fructiferis rectis bracteam setaceam vix superantibus, fructu paulo longioribus, fructu magno tuberculato-rugoso sphaerico, apice obtuso subtruncato — Crescit in umbrosis ad parietes sempervirentes verticales humidas montis Ganzim prope Napolim, in monte Carmelo
- 9 F JUDAICA Boiss 1 c. p. 15 f. — Iridis caulis subsistentibus multicaulis, petiolis subcircinnatis, foliis laciniis oblongis obtusis mucronulatis, racemis demum elongatis, corolla mediocri albida, fere purpurascens, sepalis minutis, corolla multoties brevioribus angustioribusque oblongo-lanceolatis acutis, basi acute denticulatis, pedicellis fructiferis rectis, apice incrassatis, bractea fructuque duplo longioribus, fructu minute tuberculato globoso compresso acutiuscule carinato, apice rotundato-subtruncato. — Crescit in Palaestina

4844A. CBRATOCAPHYLLUM Duncu,

(Duncu, Giornale bot. Ital. I 336 — Endl. Gener. plant. Suppl. IV p. 32)

Calyx diphyllus, foliolis lateralibus ovatis minutissimis obsolete lobatis. Corollae petala 4 hypogynia decidua, posticum basi calcaratum et anicum apice bilobum. Stamina 6 diadelphica, fasciculis tetrantibus. Mermen. . . . stylus filiformis deciduus, stigma minutum compresso-ovatum et denticulatum. Fructus duplex: nux mansperma ovata, utrinque quinquecostata, costa media laevi nerviformi, lateralibus circinnatis carnosorugosis, apice in rostrum, aniceps nuce ipsa longius costa terna et ad basin rugoso-tuberculata producta, rostrio dependente dehiscens, vel capsula lanceolata-acuminata unilocularis bivalvis dispersa, valvis submembranaceis, eutibus quinquecostatis, costis lateralibus striatis. Semina laevissima. —* Herbac scandentes habitu *Corydalis claviculatae*.

- 1 L P VL VLSTINA Boiss Diagnos plant onental nov VIII p U — Glabcinma vmdis cauhbus tenons ramosis scandenlibus folus bre\issime pctiolatiu bitcinatis 6—9-ph\lli>, dmsiombus longo pctiolulati* inphyllis, ioliolis pctiolulatis tncris integernnis ovatis obtusis mucronulatis, omnibus \<1 tantum umco divisions intermedia? foliorum supnioium in cirrum tapillaceura ramosissimum mutatis raccims oppositifolus bie-Mtoi pcilunculaiis flonfcn<> densis, tandem elongaus, pedicellis brovissimis patulis biacleola linean us sublongioii suffultis sepalis nullis, corolla minuta superno suismn subrcuiva ios<a ad apicem petaloium mlciioium purpui co-violacca, petalo supenoii alns paululum longion, basi in calcai ovatum obtusum pedicello aequilongum producto, fructibus bifoimibus, plunbus (in spica mfenonbus) orato-subquadratis compressis apice truncatis ibiqop opereulo conico-umbonato brevissimo, demum socedenti clausis longitudmaliter paiallele et tenuiler sulcato-stnatis, demum secus sulco* lenestiat, cito deciduis. Iruclibus supenoribus racemi 1—2 persistentibus mdehisoen-tibus qumtuplo longioiibus lincau-lanceolatis utunque attenualis, paite infenon semi-jnlnera btnata supcuon inani lostufoi nu complanalo-ensiformi recta semine solitario mgio latvi nitidi^^imo subincurvo — Cioscit in rupestnbus umbrosis totius regions montanac Palacstinae, in vn intei Kamla et Jerusalem ad rupes etmuis, in monle (jari/im supra Naplousc, in monlibus Carinel et Tabor.
- i (LMDROSV DULIPU 1 c — A specie piaetedenle speciAce diffTeit foliohs duplo v. luplo minonhu> oblongis atutis, flonbus dimidio minonbua^ lruclibus infcricionbns dui lonbu<> longius umbonalis fungosis tiansver^o rugosis, costis aUernatim erassronbus, liuctibus supoiionbus lac\ibut> inio^tium uncinato-iecurvura non compressum alwuntibus — In Algcua

Ordo XI*. RESEDACEAE DC.

(PnUel in Wiprs Rcpert. II 757, Anna!. I. 25)

5011. HESEDA L.

• *

(Piitzel in Wlprs Repcii. II. 751, Annal I. 25)

simplici

- 1 H (Lu)spda) QIARTIMAhA A Rich Tent fl Ab^s I 15 — Caule erecto i—2-podali toieti, basi laeM, in pane supenore mulo et teniuter tubercutato, feliis pctiolatis glabns Innceolaiis acutis, siniphribus aut profunde tripartite, partifionibus oblongo-lanceolatis, acutis rmeino simplici elongato, sepahs 6 oblongis obtujsw; capsula siipitati suhtluaia inqucia et apice lucoim — Ciescit inter Messuouah et Adooa in Abjssinia
- I R. LRFMOPIIII\ Roiss Dia^nos plant orient nov VIII p 54 +- Annuu glabra (jiulibu^ CKCUS pumih>>, basi ramosis ramisque acute striato - angulatis, foliis ambitu ohlongo-laiitcolalib. pinnatisectis, latinus parvis lincanbus acutis mucronatis, coslae angulo lecto insidenlibus ci secus cam anguste ilccurrenibus, foliorum Inferiorum aliquando abbiaviatib ol>iongis, caulinorum- anguste lineaiibus, omnibus margme sub-lento papillau-denticulate lac^ims tandem longissnnis tenuibus, inferne lauousculis,]>edicelhs brevibsimis bnclieola liiicui-ioiaitii membranaceo-margmata cahcem subaequanti suffuliis* sopilis quinque lineaiibus, anguste membianaceis, petalis qumque albis, glabns talvcu t>ubdujlo longioiibus oblongo-cuneatis, ad medium fere usque uidentaitc, lacmia intermedia brevioie angusjtioie, laleralibus latere extenore submtui-vis, us pctah supuioris, j>a(pe bio\itor tnlobis, disco fere obsolete, ovano vesiculoso-popilloso siigniatibus quatuor, cap>ula oblongo-elongata acute tetragona albo-^osiculosi apice truncata, brcvitei quadndentata, seminibus reniformibus nigris eximie tubeicualis — a Quesim in arena tenui deserli Aegjptiaci prope Kahiram el Aiabici usque ad fln^s P I U

3. R. ALOPECUROS Bois*, 1. c. p. 55. f — Annufr tota papillis elongatis albis hirsuta: caulibus teretibus ascendeniibus validis, basi ramosissimis; foliis primordialibus integris lanceolatis obusis, caelcris ambitu oblongisvel qvajo-rotundalis pinnatisectim TCI subpalmajim 3—7-sectis, laciniis foliorum inferiorum oblongo-lanceolalis latis, superiorum anguste linearibus, omYiibus latcro exteriori secus coslam decurrentibus; race* mis cylindricis densis, post anihesin longissimis; pedicett^^ribus scsquilongiori, capsulatu aequanli scabro; flonbus inodoris; cahcis Scabri atms scnis linearibus corollam aequantibus; petalis scnis ochroloucis, superioribus ovatis cucullalis, eximie ciliatis, dorso extus multifidis, inferioribus a basi o\alo-rotunda ciliata 1—3 lacinias edontibus; disco papillis albis hirsutissimo; flamenlis papillosis; stigmatibus tribus; capsula maxima subnutanli ovala venlricosa campaniformi tenui ad costas farco papillari, basi bre\iier attenuaia, apice iruncato-tridentaia; aeminibus maximis curvato-reniformibus transverse ruguloso-tuberculatis griseis nilidis. — Crescit in Palaestna prope Gazam, Ramlam, Naplouse.

Ordo III. CRDCIFERAE Adam.

(DC. Prodr. I. 131. — Wlprs. Reper. I. 123. II. 755. T. 34, Annal. I. 26. ft 957.)

Subordo I. PLEUROPHYZEAE DC.

Tribus ir ARABIDGAE DC.

4845. MATTHIOIA R. Vr.

(DC. Prodr. I. 132. — Wlprs. Reper. I. 123, Annal. I. 26.)

1. " B* (*Bachynotum*) SINUATA R. Br. — DO. 1. c. 133. no. 7. — var. *bracleala* Boiss. & Heldr. Diagnos. plant. oriental, nov. fl. III. p. 15. — Pedicelli ad basin vel medium versus folio florali linear! obtuso integro florem saepe superanti sulTulti, omnia caeterum specioi. — Crescit in muris castelli Suda in Creta.
2. M. (*LuperUQ*) DAMASCENA Boiss. 1. o. 16. f — Perennis multicaulis, collo suffrutescenti, lota indunijBijtD pannoso crasso denso albo, ad folia juniora flavido obsita: caulibus sirapljdbns subangulosis, paulo supra basin foliosam floriferis in racemum post anthesin elonga^Bun abeuntibtis; foliis ad ^ollum et caullum partem infnam numerosis ovaUs vel ovaAo-oblongis sublntegris vel repandis vel ulrinque grosse et irregulariter 2—3-dentato-lobaUs, >inflmis obtusis in petiolum longipjcbin attenuatis, superioribus acutis ^ulisessilibus; floribus pedicello calyce triplo breTtOri suffultis; calyce cano, basi obsolete jaccato; pefltts sordide flavis, limbo lanceolate-linearis calyci subaequilongis; siliqfiis rectis a rbachide parum divergemibus longissimis compressis linearibus crispule et breviter griseo-tomenteUis, stigmatibus conicis angustioro subrotundo bilobo terminalis, valvis nervo medio tenui percursis. — Crescit in collibus aridissimis supra Salehieh prope Daraascum.
3. M. (*Pinaria*) ASPERA Boiss. 1. c. f — Annua vtridis tota indument&fc>ilis sparsis r^niosis constanli asperula e^landulosa: caulibus pluribus teretibus simplicibus, paulo supra basin foliosam in racemum post anthesin elongatum abeuntibus; foliis linearilanceolatis obtusiusculis integris vel obsolete repandis in petiolum brevem longe attenuaais; calyce sessili, basi viz succato; petalorum limbo rubello-livido spathulato calyci subaequilongis; siliquis sessilibus roctis patentibus lereti-sublorulosis, pilis ramosis aliis albidis, aliis flavidis longioribus asperis; stigmatibus conicis bidentato magis minusve perspicuo terminatis cornulis, cornuhus conicis elongalis erectis vel patentibus. — Oescit in sterilissimis calidis Judaeae inter S. Saba ci mare mortuum.

- 4 M STALLIGERA Sonder, Linnaea XXII If — Tola pubo siellato-iamosa glandulis-que intr[^]persis scabnda caule crecto subramoso, folns ladicibus lineari-spatbula-ti* sinuatis ciulmis pinnatifldis, siliquis palentibus icictiusculis incuspidaus cuspidibus obuisib stigmaie longionbus. — In Piomontono bonac spoi in disti Uas^{*}ulan.

4848[^]CHEIRATVTHi:S *li lit*

(DC Prodr I 135 — Wlpis Rcpit I 124 II 735)

- 1 •< II HHSERIDOIDES Torr & Gr — Wlprs I c I 125 — *Joilanihus heyseudoulei* Toi i a Gr Gen pi fl Am bor I. 133 tab 54 *)

4850. STASTURTIJftl *n. lit*

(1) (Piodr I 137 — Wlprs Rcpit I 125 II 755 V 34, Annal I 27)

- 1 N (*lliathylobos*) CAUDOMCUM Sondei, Linnaea XXIII. 2 f — Glabernnum cuilo suhangilaio, lamis elongatis, folus infcnoibus elongalo - lanceolate pinnatillo-dentitis supenonbus sessilibus linean-lanceolatis mtegermmis, racemis ilongatis, siliquis ciccto -patulis lmcaii-oblongis subincurus, pedicdlum aequanlibus, stjlo ipitulatis — In Promontono bonae spci ad Caledon rffer.
- 2 rs AUHLLM Doiss a lleldr Diagnos plant onent nov. VIII pag 17 f — Perenne glabium ladice subicpente fibrosa, folus petiolatis, arabitu oblongis bipinnatisccelis, lacinus nregulanbu? lanccolatu - linconbus oblusis, saepo dentatis, caulibus crectis pirte ramosjy, peialii intenso auieis, calyce duplo longionbus, racemis fructificii* longib rWAc: ppdicelhs horizontalitu paicniibus, fructu duplo longionbus; siliquis oblongis fiasi atlcnuato-stipitatis, apico quoquo angustatis, stylo us triplo brevioii tnjjjnais — Crescit JII prais ad oncnem iluvii Catarriacti non procul ab urbe Adalia Pamphyliac.
- 3 N MACROCARPUM |toi>>s 1 c 18 f >- Ptenne glabium radice ciassa pluncipiti cacspitosa, collo *vestigns* foLorum vet us tor um fibroso, caulibus erccus teictibus llexuosis foliosis paice lamosis, folus ladicahbus longe petiolatis vel oblongis oblusis, basi attenuate vel basi auuculatis Ijralisqac vel pinnaiifldis, lacmns latuscule oblongo-lincanbus folus caulims sessilibus piniiaiiOdls, lacinus 3—7 setaceis elongate lacLims pauciflons, iructifeui [^]ubclongatis petalib palhdc lulus, caljco sesquionbus, pedicrlhs IUiUiteris eiccto-patuhs, siliqua longissima lmeari angusta (OinpiL[^]a apice in stjloni lungiustulum oblubum aitenuata 4—5-plo brevionbus. — (ICSLII in entail &itcis ad ladicos Anlilibam miu Hasbeja et Rascheyà.
- 4 N IISPANICUM Boisi, a Rtut 1 c 18 f — Perenne ciule simplici credo fohoso, supcinc pameculalo-iainoso, batⁱ puberulo caeleium glabro, folus glabris, radicalibus biCMici ptiolatib ljiatis, segmentis lateialfbus utnnque 5—6 minuiis tfvato-oblongs, \tibus basin suisim dimmuti&, leinunali o\alo sinuato - repando 4—6-plo majon, fo-lja caulinib sessilibus plnnatiilde, basi aunculalis, lacinnS^l lmeanbus mtegeirimis, petals luteis cal\ce scsquilongioubus, laceino fructiftio bievi. pedicellis patentibus siiiqua oblongo - cylindca stjlo mplo broviori apiculata vix longionbus — *N/Vyrenrucum* Reut non R Bi - Crescii in Hispania cenliali ad Soto do Migas prope Malitum, in montibus Gaipcianis el m icgno Granatensi
- 5 N NILOIItUM loiss 1 c 19 f — Annum glabium caulibus eicctis vel decumbenubus parce *mosis, folus icntns intense vuudibus Ijjalo-pinnatifldis, lacinus basi conluentibus 6\ato-oblongis, gios[^]c et in folie superioubus acute lobatis dentatis-que ftonbus minuiis palhdc luteis pclahs caljce \ix scsquilongioubus, lacemo fructiloro clongato. siliquis lmeanbus \ix compiessis, utnnque bicviter attcnuatib, stjlo biCM apiculatis, pedicello patulo caium latitudmo paulo longiore sufTultis. — Species

*) *Jodanthus* Torr a Gr Fl N Am I 72 (Cheiranthi scctio) distmguitur- Siliqua teictiuscula subtorulosa valvi* apice nbruptis v (runcatis, stylo ciasso, stigmatc cipilato, senimibus imiginatis, sppahs quam pcaloium violaceo-piupureoium unguis bievionbus micnoribus ad basin gib taulis

- a. *A⁷, palustri*, quocum confusa fail, distinctissima pinnis foliorum paucioribus majoribus profundius dentatis, floribus paulo inajoribus, siliquis triplo longioribus stylo longiori apiculatis. apice attenuatis. — Crescit in humo limoso ad margines praeruptos Nili in Aegypto superiore et in Nubia prope Chartum.
8. N. (*Clandestinarifl*) **CRYPTANTHUM** A. Rich. Tent. fl. Abyss. I. 15. — Glabrura: caule erecto ramoso bipedali; foliis pinnatisectis, solummodo bipedalis inuiso-dentatis; floribus albis minimis solitariis pedicellolis; siliquis teretibus, apice obtusis subapiculatis brevibus, 3—6 lineas longis; seminibus subglobosis. — Crescit in Abyssinia.
7. N. **SPHAEROCARPUM** Asa Gray, Plant. Fendler 6. no. 21. — Glabrum: caule credo seu decumbente; foliis oblongis obtusis falcato-pinnatifidis vel incis, obtuse dentatis (ramalibus subintegerrimis) petiolatis; petiolo anguste marginali, basi p. in auriculato; racemis paniculatis; floribus minutis; pedicellis albis spatulatis calycem subaequantibus; siliculis globosis (vix lineam longis) parvis, stylo brevi apiculatis, pedicello paulo brevioribus. — Habitat in Nova Mexico.

+ **loco addenda.**

- N. **SESSILIFLORUM** Nutt. — *Wlprs. Rept.* I. 127. no. 14. — "forr. Gen. pi. fl. Am. bor. I. 131. tab. 53.

4851. BARBAREA II Br.

(DC. Prodr. I. 140. — *Wlprs. Rept.* I. 128. II. 755. V. 34, Ann. I. 27.)

1. *B. VULGARIS* R. Br. — DC. 1. c. — *Wlprs. Rept.* I. 128. — *Torr. fcn. pi. fl. Am. bor.* I. 147. tab. 62.

4852. STEPTANTHUS A. DC.

(*Wlprs. Rept.* I. 128.)

1. **STR. MICRANTHUS** Asa Gray, Plant. Fendler. 7. no. 23. — Caulis gracili, inferne scabro, superne glaberrimo paniculato; foliis anguste linearibus integerrimis scabriusculis [in sjeco falcato-contortis]; racemis gracillimis laxis; floribus pusillis erectis; petalis lineari-spathulatis (roseo-albidis) calycem laxum (purpureo nido tinctum) paulo excedentibus; filamentis liberis inclusis; siliquis filiformibus teretibus appresso-erectis; seminibus immarginatis. — Crescit in Nova Mexico.
2. **STR. LINEARIFOLIUS** Asa Gray 1. c. no. 24. — Glaberrimus: caule erecto, apice paniculato; foliis linearibus vel inferioribus lanceolatis acutatis integerrimis, basi attenuatis sessilibus rigidiusculis subglaucis; petalis obovatis (roseo-purpureis), unguibus calyce laxo subduplo longioribus; siliquis (immaturis) erectis filiformibus tertiusculis (27^{unc.} longis), stylo brevissimo apiculatis; seminibus immarginatis oblongis. — Crescit in Nova Mexico.
3. **STR. PETIOLARIS** Asa Gray 1. c. adnot. — Subglaucus: caule elato; foliis omnibus longe petiolatis amplis, radicalibus parce pilosis lyrato-sectis, caulinis globerrimis, inferioribus lyrato-3—5-lobatis vel hastatis triangulato-lanceolatis repando-dentatis acuminate, superioribus faecolatis plerisque integerrimis; racemo virgato laxifloro; petalis spathulatis albidis et purpureo-tinctis calycem tertiusculum viridi-purpurascens subdimidio excedentibus, pedicello apice incrassato brevioribus; siliquis lato-linearibus complanatis rectis erectis, stylo brevissimo apiculatis, valvis plantis venulosis, basi tantum uninervatis; seminibus in loculis circ. 20 latissime alatis, septo aequalibus, fimbriis septo adnotatis, parteliberis dilatatis. — Crescit in republica Texensi.
4. **STR. BRACTEATUS** Asa Gray, Boston Journ. of nat. hist. VI. 143. + & Gen. pi. Am. bor. I. 146. t. 60. fig. 1—& — Glaberrimus subglaucus; foliis caulinis auriculato-amplexicaulibus, inferioribus oblongis acutis, saepe repando-dentatis, superioribus cordatis, sinu profundo clauso in bracteis cordatis (inferiores florem, summas pedicellum subaequantibus) sensim illorescentibus; pedicellis obovatis purpureis; siliquis angustis II.

piatlongi-s (5/t—<> »nc) patntibui sublakau>> — Crtsut propo Nevt-Biaunfeh in npublica Texensi

t Icon addenda.

STR U\ACI>niOIDhS Huok — (Wlpis I c 129 no 1J) — 7011 C<n pi II Vm hoi I 145 tab <1

4853 TURRITIS *bill*

(DC Prodi i" 141 — Wlprs Reput I |M)

- 1 *T STRILTA Giah — Wlprs 1 i nq b — Ton Gen pi 11 |m bor I 143 t.lib 59
- i f DREGEVNA Sondei Lininci Will 2 | — GUbri ghuce^ccns clult slntto nmis clongilis adpnssis foln*. scssilibus hncohti<> basi cordalo-sagillilis mtegemirns siliquis sLnrllis ptdicollo multo longionbus si minibus alahs — In Piomontoiio born* spci id Wilhtr^on

4854 ARABIS *Linn.*

(DC Pio.Ir I 112 — Wlprs Repert I 130 II 756 V 34, Annal J 28)

- I \ *fAlomahumy* (UM ItOLK Hochst ms<> ex A Rich Tenl fl Abyss I 17 — Caulp cuspituso inmo*o spiihnniaco i unis annolims, persi*icntibus elongatis nudim, folns mfc.ionibns sp uliulatis Insj anguslalis gio^c et distmter dentatis, obtusiusculis, ulrin- <K subwllosis (pilib stchti<>) supromis sts^ilibus stiniamplexicaulibus subcoidatih, (linsi subobovalibus quim infeuora latioubu^ siliquis comprcsMs angu&tis, |ix 9—10 IHKIS lorif, i^ apicc shlo imlisincto subtruncids — Cręscit ad rupes in regiombus sumniis nionlimn pio\inciio Sunitne in Alossima
- 2 \ (URA\ V Hochsl invs) I |A ATA A Rich 1 r — Folns subpinnatilldis, loUis anguslis obtuMS sinu obluso bcpaiali^ stlellalnn pilosiusculis, caule digitali aut spitba- inaco a bnsi ramoso caespitoso floiibus indefinite racemosis albido-purpurascensibus, longiuscule pedicellatis cn\cis crecli sepabs ovalibus obtusis vix pilosis coloratis, lateralibus basi sacciiis poialis obcuncatis, apicc emarginalis, siliquis hneanbus gla- bus, lecti* aut subfilitatis 8—10 lineas longis — Cicscit in suinnus lupibus moniib Bouahit et in nionle Deggen altitud 14000 pedum in Abjssinia
- 3 A IONOCALW DOHS]iagno<> plant ouuit no\ Mil p 20 f — Diennis? tola pilis apicc furcatis mollitci luisula gnsco-Micns toucra caulibus creclis fei e a basi panicu- lato - ramosis loins ndicilibus robiilatis subpetiolatis oblongo - spathulalis dentato-vel pinnalilldo-IMatim laciuu.* litcialihus sacpc elongatis sinuato-Iobatis obtusissimis, ter- mimli majon ovttii lepindo-Iobala basi confluenli folus caulinis scssilibus oblongis basi amplexitauh cordato-auuculatis acute dentatis vel pinnatifldis, calje saccato vio- hceo glabro vel apicc parce hirsuto pelalib albis caljcc duplo longioibus, siliquis [junioribus] lincanbus giacillimis glabns eiecio-patulu* — Orcscit m Can a, in pinctis montib Sohma Lvciao
- 4 A CRCTICA Boiss & Heidi 1 c f — Peicnnis vitidis caudicibus subrepenlibus, pihs cauljs fohoi umque caulinorum simplicibus foliorum radicalium furcalo - ramosis snmphibusque intermixtis omnibus brevibus folns radicaibus oblongo-spathulatis inte- d'iis \el obsolete dentatis m peiiolum attenuate, caulinis oblongis |o| oblongo-Jmearibus lmsi rolundatis caule sunplici pauunoio sepabs Molateis glabns >cl apicc pilis pnu- tissimis obsitis petalis albis AOI pallide roseis cuneatis, caħce subtnplo longionbus, siliquis planis stnctis longitudmahtei venulosis, ner\o Aalidiusculo, apicc breuter atte- nuate, st>lo breu tciminatis semmibus * — A films A *mwah*, ab ta diflert indu- mento multo minus copioso, pilis pailis supenons plantae simplicibus, siliquis plamo- nbus, si\lo terminal! paulo longioic Scmina jumoia ommno aptera videntur — I rescit in rupibu* moniium Sphacioticorum Cietae propc Ask^phous alt 4000
- 5 \ (ADMLA Boi<s I c ^1 f — Annuu, pilis ramosis pubescens, caulibus ciassius- cuħs IHM fuliosis thMsoidco-panioulalis, folus caulinis o\alis dentate, baM profunde

cordato-sagittata inplexicaulis; racemi fructiferi rhynchocauli crassa viviflexuosa; foliis rigidis erecto-patulis, sub lente saepius puberulis compressis pedicello brevissimo aequilatis, stigmote subsessili terminalis oblongis, valvis uninerviis obsolete venulosis; seminibus apteris. — Crescit in pinguis arcosis Cadmi orientalis supra Golossam in China alt. 5000 — 6000 ped.

† A. SINAICA Boiss. 1. c. f — Annuum humile tenax. caulis pubescens ramosus bibrachialis: caulis inferne folioso parce ramoso, paulo supra basin floriferus racemis aphyllis, rachide tenui flexuosa; foliis obtusis breviter ovalibus obtuse-repandis, basi sinu clauso cordato-auriculatis, auriculis amplexicaulis; floribus parvis; sepalis hirtulis; siliculis glabris vel stellato-puberulis, pedicello vix latioribus. uninerviis, margine subsinuosis, stylo brevi iis angustiori apiculatis; seminibus albis. — Crescit in rupesribus valli in jugi Sini.

f Icones addendae.

- A. DEINTATA Torr. f. Gr. (Wlprs. Report. I. 133. no. 29.) — Torr. Flor. New-York I. 54. tab. 7.
 A. PATENS Sulliv. — (ubi?) — Torr. Gen. pi. fl. Am. bor. I. 141. tab. 58.
 A. PEDEMONTANA Boiss. — (Wlprs. Report. II. 736. no. 4.) — Mthnoir. de Genève XI. 450. f. tab. 2.

4859. CARDAMIUTE Linn.

(DC. Prodr. I. 149. — Wlprs. Report. I. 135. II. 757. V. 35, Annal. I. 29. & 95T.)

§. 1. Foliis simplicibus.

1. C. PUSILLA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 18. — Perpusilla: caulo glabro viz unciam alto; foliis rosulatis spatulatis obtusis, pilis stellatis hirtis, caulino lanceolato sessilibus, siliculis redibus glabris apiculatis 3—5 lineas longis. — Habitat in cacumine montis Buahit, alt. 13000 ped. in Abyssinia.
2. C. CORDIFOLIA Asa Gray, Plant. Fendler. 8. no. 28. — Caule erecto simplici orbiculato-lanceolato, basi piloso usque ad apicem folioso; foliis omnibus petiolatis cordatis parce repando-dentatis angulatisve ciliatis, infimis rotundatis, superioribus triangulato-cordatis subacuminatis; floribus majusculis albis; siliculis immaturis rectis pedicello duplo longioribus. — Crescit in Nova Mexico.

§. 2. Foliis pinnatisectis.

- 3* G. OLYMPICA Doiss. Diagnos. plant. orient. nov. VIII. p. 19. f — Perennis glabra VP! basi hirtula: caulo erecto sulcato; foliis teneris pinnatisectis 4—5-jugis. segmentis lateralibus ovatis subintegris, versus basin decrescentibus, inter se remotiusculis, terminata triplo majori repando, in foliis radicalibus subrotundo basi cordato, in caulinis cuneato, petiolis exauriculatis; pedicellis albis calyce duplo longioribus; antheris luteis: siliculis erectis glabris, pedunculum subaequamibus, apice attenuatis, stylo earum latitudine paulo breviori terminatis. — C. tenera Doiss. non Gmelin. — Crescit in pratis humidis regionis terliae Oljampi Dilhyni.
4. C. TRICHOCARPA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 18. — Pilosa: caule erecto spithamico aut pedali ramoso; foliis pinnatisectis subimparipinnatis, segmentis oppositis aut alternis ovalibus obtuse dentatis, dentibus profundis, apice mucronatis; siliculis erectis pilosis, apice aculis, — Crescit in provincia Clit et prope Doble provinciae Sona in Abyssinia.
5. C. OBLIQUA Hochst. mss. ex A. Rich. 1. c. 19. — Glabra; caulis a basi ramosus; foliis inferioribus petiolatis imparipinnatis, foliolis 5—7, lateralibus irregulariter suborbicularibus vix petiolulatis glabris, supremo petiolulato majori, foliorum superiorum foliolis orbicularibus aut oblongis; floribus pallide violaceis; sepalis oblongis obtusis glabris; siliculis rectis appressis glabris angustis laevibus, 12—15 lineas longis. — Crescit in regione superiori montis Fouahit ad rivulos (provincia Semene) in Abyssinia.
6. C. PAUCISECTA Benth. Plant. Hartw. 297. no. 1816. — Thirtolla vix glabrescens: foliorum radicalium segmentis 1—5 longe prioribus ovatis ovatis vel subreniformibus

obtusissimus milijioium *i* oblongis }>IM ingusi UK. S<SMLJDU<< — Haluius et in-
 florescenti *I jnaltnsis*, statua minor Foln i idn ill l longc pcliolata, tntcrdum
 mlrgiu linihu 12—15 lin. Into Jn*i tnmciio \>l hie roulnto inargme obsrurc
 siiuntu sod Mqiius idduntur supi i liKdmm pcliuli »e_nmpnl'i latcnln duo \el
 idinii 1—4 fdi oppoMii loiiuimli loiifoiinii s<d imnoi longc pcululaia Folia
 idiiliin pint piiui lic bimpd lutLdi, s<|rnicnli> in_n'usiit Iitcialihus irrminoli
 miilio niinoiihiis HHemjp *C piaUnsis* u flout cniisinules nisi paulo inajolcs
 Stilus nlun — *i* M *dt ir Califuma in sjhis patciisquc }>iopo Monlcic}

t **Icon addenda.**

(IUIOMBOIDLV DC Piodi. I 149 no 1 — Torr Gen pi fl Am bor I 135 tab '35

4861 DEHTTARIA Toumef.

(DC Piodi I 151 -Wlpis Ropcit. I 138)

1 »D MVMV >utt - D(I t 155 no S - Ton Gen. pi fl \in boi I 1JT
 t ib *ik*

4802 LFAVEI V WORTHIA Torr y Gr.

(Wlpis Hoptit I 139)

1 I \l HI V luu \x li — WI>i* I c. no I — Ton Gen. pi. fl. Am. boi I 1300

Trihus II. ALYSSINEAE DC

4864. RICOTIA Linn.

1(Piodi I 157 — \Mpi- Rppoit I 139)

I H SIM VIA HOI>N IL Htldi Di.lignos phni onuii nov VIII p 30 f - Teneia
 li igillmii cauiibus citiif* pcliolisquc bic\lci bntullis ramo^is, supproe racemos
 lixos. edentibus toliib bipinnaiisctiis paiimonibus pctiolalis. segnicntis ovato-cunealis,
 pioluudL it obiiis< 2—J - loins lloibub paivi!> alb^, limbo bieMter obcordato, fld-
 iiddilit> aiilbcii linoan \i\ loif^ioiitiiis> loculis Inst subdnrgPiitibus siliquis podicello
 rfcuivo us b< xlplo bicviuio siillnliis limaiibus hlitudmc Ma 7— 9-plo longioubu*
 7—8-spdjni^, nitd stmina siiai, nilpio-smmiis obtusiiisculis, rarius acutis stJo
 liiuiudniL sua tuplo In<\ IOI i id nun ilit — (itMit in faucibu;* montis Climax prope
 Koiuiunlu I \ciit tt in piomonioiu Alua PamphUac in saxis inier frulices.

I \ (UUAH V Hoiss a IKMi I c & ft— Glabnu&cula tencia -caulibus ascendeu-
 tiln> don., iiii> fuliosis miiu^is in iatemoi> laxo* abeunlibus, folus pnmordiaUbus
 oviUis indiviMs, lauons bipinmtispciiis, lacinus> oblongis obtusis integns vel lobatis,
 suniiiiis II*« tils, lacinns oblongo-lmeaiibus mtcgus, llonbiis roscis magms, limbo
 pctaloium obcoidato, fllamenti^ nnjonlms aiilluia lincan vix scsqnilongioubus, sili-
 quis pdiduli* pedicdlo JIS diniidio br<Mon swTulUs lato-lineanbus, lalitudmo sua 7—8-
 plo lon_nion>us> 7— 9-speimis, maigino rectiusculi^ acutis, stylo latitudine sua qua-
 diuplo bitvion apiculatib — Crescit mtei baxa montium Spbauoicoiuin in faucoAsky-
 pbons dicta aim 3000 pod

3 11 (VitNOSI LA Boiv 8. IkMi I c 30 f — Puniila glaucc^cnr. cauiibus pumili*.
 a basi di\ancaim lamosi^simib petiolisquc lurtuhs, folus carnosulis, primordiaibus
 ovaiis subsessilibus subiectusib MibclJis., cacteiis pinnati-vel bipmnatiscciiis, lacinns
 miiginc cras>siusculis immulis, folioium infeioium oblongis, supcnorum elongatis anguste
 lmeaiibus omnibus obtusib, floiibus albis vel l oseu>, limbo pcalorum obcordato, fllamen-
 fia majoiibus antbcia w\ sc^quilon_ofioubu<;, loculis aniberac basi subdivergentibus,
 siliquis pendulis pedicello ncuivo us quidiuplo bicvioic suflulti* linearibus laiiitudine
 sua 8—10-plo longionbus 12—15-spermis, maigme subincrassati* icclis ant irregula-
 litpi stiangularis nouns sijlo buMssimo apiculaiis — Grescil mier saxa maniima ad
 ocodentem uibis Adalia in Pamphylu

4865. *FARSETIA Turr.*

(DC. Prodr. 1.157. — Wlprs. Repert. I. 139. II. 757, Annal. I. 31.)

1. *F. (Fibigiv) MULTICAULIS* floiss. ft Ilicn. Diagnbs. plant, orient, nov. VIII. p.31. f— Basi siuTrulicosa imiliicaulis, lota puhn bwivissima stellaln canescens aspra: caulibus simplicibus foliosis ajit-o in laconium florifmun confprium, duin elongatum abeuntibus; foliis Innceolnto-linoarilms subcnnaliciilatis integeipimis oblusia, inferne in potiohim longe angusialis; pelalis imouse aurantiaco-luteis, unguibus cnlyce stellato-piloso Iongioribus, lamina obovalu; lilairicntis omnibus eJcn|pilis minoribus, utrinque glandula stipatis; siliculis credo-palulis, pedicello acquilongisfebiculatis, basi subretusis planis brevior siellalo-cunis, stylo deciduo muicis, loculis 1— 2-spermis; seminibus orbiculalis immarginatis. — *A. F. elypeata* disingtiiur caule magis fruticoso, foliorum forma, siliculis orbiculalis muticis. *F. cheiranlhifolia* differt caulibus herbaceis, stigmatibus bifido. Ifaac species practerea ab omnibus aliis seminibus non marginatis differt. — Crescit in monte Elbrus prope pagum Passgala.
2. *F. (Eufarsetia) OVALIS* Boiss. 1. c. 32. f — SuffVulescens dumosa, tota pilis adpressis simplicibus cana: rnmis intricatia induraio-subspinesceritibus; foliis anguste linearibus integerrimis basi attenuatis; calyce basi aequali; pealia livide flavis oblongo-linearibus; silicula adpresse canescenti ovata latitudine sua 1^A—2-plo longiori, stylo brevissimo apiculata, valvis ad medium subencerviis, loculis subhexaspennis; seminibus late marginatis.— Valde affinis *F. Aegyptiacae*, quae differt siliquis latitudine sua 3—4-plo longioribus, loculis sub-12-spermis. — Habitat in desertis Aegypti ft Arabia e petraeae.

4868. *AUBRIETIA Adam.*

(DC. Prodr. I. 158. — Wlprs. Repert. I. 140. II. 757. Annal. I. 31.)

1. *A. KOTSCHYI* Boiss. ft Hoben. Diagnos. plant, orient, nov. VIII. p. 32. f — Caespitosa (6ta indumento ramoso canescens: foliis teneris deltoideis obtusis. utrinque obtuse 1— 2-dentatis, in petiolum iis subaoquilongum attenuatis; racemis lormalibus brevibus fructiferis subsecundis 6—9-floris; floribus parvis; calyce basi subsaccato; petalis pallide roseis lineari-oblongis, calyce duplo longioribus; filamentis angustis alatis, ala minorum in dentem lateralem medium versus abeuiui, majorura usque ad apicem sensim aticuuata; siliculis pedicello siricto iis duplo longiore suffultis stellatolomentosis oblongis inflata non compressi^A stylo iis dimidio brevioribus. — Affinis *A. parviflorae*. Boiss., quae differt filamentis omnibus denatis, pedicello siliculam aequante, stylo siliculam acquilongo. — Crescit in saxosis praeceptis regionis Murch Mal montis Elbrus prope Derbend.
- * *A. IJIBANOTICA* Boiss. 1. c. 32. f — Dense caespitosa tola pube ramosa cana: foliis minuis oblongo-delloideis in petiolum attenuatis, utrinque superne dente auctis acutiusculis, superiis integris; racemis e caespitice breviter exsertis laxis 2—4-floris; floribus mediocribus; calyce basi saccato; petalis purpureis lineari-oblongis calyce plus duplo longioribus; flamentis anguste alatis, ahi minorum io dentem lateralem apicem versus abeunte, majorum usque ad apicem sensim atenuata; siliculis pedicello flexuoso iis 3—4-plo longiori suffultis oblongis inflatis non coupressis siellato-canescensibus stylo iis oquilong-o vel paulo longiori apiculatis; seDinibus ofelongis. — ^{CD}escit inLibino supra Cedros.

4869. *VJESICABIA Lam.*

(DC. Prodr. I. 159. — Wlprs. Repert. I. 140. Annal. I. 32. — A. Gray in Boston Journ. of nat. hist. VI. 148. adn.)

lect. I. *YESWARIANA* DC.

Silicula globosa, raro pyriformis, valvis membranaceis inflatis.

%. I. *Annuac sen bienns.**Seminiis marginalis; stylo silicula (estrpilala) dimidio vel ultra brevioribus; foliis caulinis basi saepe auriculalis et subamplexicaulibus.*

- *
- V. GRASDIFLORA*
- Hook. Bot. Magr. I. 316-1. - Wlprs. Report. I. 141. no. 5. - Caulibus

- ||w|n bieu siibemciMs, fohis suppe sinuaio-pmnaifldis dcnuiis\r ->ylo Mlicuh dupb
a tii| lo bnM)ie — V buiutyla Ton 8. Grav Fl I p 102
- 2 \ |W|H LL\T\ Engilin ft. Crav Dosi JOUIM V 240 — Vmua cuilibiis diriimhen-
ubiis tantscenti husulis foliis sparsim pibsis infimis hi ilo-pinnaiilldis smuato dm-
ttlsw In i att< nuitis cuunis o\ato hnp< >htis Insi t ndito-auncihta ampl(\icau-
libus it| uulo dmtttis sulmiN^ns\p ppialis obo\ Ho spnthul Uis sopih pilosa colonli
Mibiluplo SILH lontibiis llanxiilis e basi inlhta abrupte subulitis anlheris linianbus
o\ iiii louilit 3—4 o\nlili> >hlo cum *sligm* itc globoso MILLUTTS |j| stijutitis plobo^is
jjhbuj. IJNMOIG >>(ininibu^iib<>ex nniginilis —Texas
- +* *Sunmbus imminymatis stylo stUtula subaequulibus aut longwnbus, folus omnibus
ban unguatib*
f ^ihcula »/i aut iu in quakm stipitata globosa
+ *Bacimo tliam juultfuio densifloio, pediccllis eiectiusculis id tub-
patentibus*
- 3 V DLNSJFIORY Ast Gn\ I c |I 115 — Annu vol bitmi<> pubc stellala hxa ci-
noi ca caulibus itrtrxlentibui usqu ad floic*. foliosis loins oblonpo-spathulatis % el
|l uircolatis bisi ULcnuilis sacpius n |)indo-(l/nl/culais ladicalibus intcgii?, racemo
< li un fi in lifoio dcu^o inultifioio pfJicdl^ oirectiusrulis silicula cstipitala subdepres^o-
^libosi fldb>(iinn shlo biovioic 10—lb spcinia (IOLUJI octoovulatis) somimbus
in ngmiii> hiMicillis s< pio longc ulmiis —• froscit in Ameneae borcali> parto oiienlali
in |i His pi O|P |n torn
- 1 N ANGLS1IF0IIV Null — (|l/n, Hepcil I 141 no 7)
> \ SII0R1H Ion a Gi - (Wlj rs 1 c no 11)
++ / / imo <?>S|/OJO s/(6i//s mdantihu*
- 6 \ HI(LIU\TV Vsi (|l-|l I » M Ii7 — Tcni Hi pube minuli lopidolo-stellala LIIP-
i^(<n-> < uilibus P i nil (iim * |ihuini> ^iicilibus diirusia |t| piocumbeillihus rt-
IIOSIS foliis sp iiliilids inligi iMini^* tut ndiohbus icpindis Ijratisvr itupiPims sub-
IIIK iii-obloiiipis r icf mis chug illis sparsillons pedicpllis sicpp secundis fitictifei is
i cdii \is silicula MY iit ne MY quidom siipiiita globosa glabia oligospeimn pana,
sulo Unui bicMoic vcl subnpquili spnunibus immarginatis — V *angustifolia* Scbetlc —
(it scit in AntiiLif boipalis pulp oiiLfinlj piopp ^pw-Bnunfcls
- ft Si/in/a Iuuta stipiluta obovato-globosa sen yynfoimi, foln^ cauhnii su/i-
upmi 19
- 7 \ NURTVII II Ion U C,r — (|Mpis I c no 8) - Suhcincico-pubemla fllantiiiiis
bisi miplnlis siln uh JI|I ifoi mi juxta basin tonslncla
- S \ RI 1>|M)\ Null — (Wlprs I c no b) — Ghbiala flonbus majonbirs, fl.unintis
(hisi dilitaai i.(ti.sun angusniis silirula unmatara subgloboso - obovata
- ft f *Silicula manifesto stipitata evatte globosa*
+ *Jlonbus satuiar flat it*
- » \ GRACIIS Hook Dot Migi/ t «33 — (Wlprs 1 c no 10) — Globrata erceliub-
(iili (ulns 1 dH)hlis sulnnu fi 11 urns ntomo laxidoro clongnlo pediccllis alongali^
p iluililxis siln ill i fc,laln t sii| itc dtiplo longiore sl\lo pi in biovioic
- 10 \ GORDON! A Gin I < US udn — Toinontuloso -c uu S(ens caulibus diffusis
loins subintigciuniis infims Mibsntbuluis supcnouiibus hnccohlis vcl lineanbus,
i ictnio friutifcio hvo pnlxrlfis JJKMIXIS j>iicnlibus silicula glabra brcMler stipi-
i ita sulo su)duplo luni>ioit — Cusdi in tanidi^ Raton Mountains ')

•) Ad lime spriiun peilimit uddiu I *puhhUla* Kth scd shlo siliqunc aequi-
longo vt <an< pcircnm dff< rl

\ run III II \ KUi a nouobp Imbx scm in lion hot Berlin 1848 collector,
p 15 no 43 — IiuiKosi oreota canescenti-stellato-pilosa latnis teretibu^!, folus Ionge
ppliolalis angusr lannolatis acuiis obsolete nmolissime dtnticularis supenonbus
jiiUoCiiumis, iimCute elm-, Uis multillon-s, pdalisi obovato-bpathulatis apice lotundalis

++ *rionbus albidis, sihculis nutantibus*

- 11 V PULIDA Torr 8c Gi Fl I p 668 hupp] ex Gray 1 c ndn - Pube mmuta lepidoto-stellata subcinerea caulibus ascondentibus ramosis, folus oblongis pie risque latimaio-dtntati* basi aitonuati*, radicalibus sublyrati^, lacemo Inxifloro, pedicelli? fiucufcn** iccuiMs silituh globosa glabra loiter stipitaia suļo terlia paite longioro — V *giamliflora* (S *pallida* Ton a Gr 1 c p 101

g 2 *Puemirs* (Argenteae sou ficanai)

Semxmbui, Iciisumc maigmatis, sihaila vubstqntala stylo bitvioie

- 12 \ ENGFLMANMI A^a Giaj 1 t 144 —Ton Gen pi II Am bor I 161 tab 70 — Peionnis, pube Icpidolo-stellaia aigontaia cnulibus c caudice Mibignoso plunmis sun-liljebut croctis superne parce loliatis, folj> niftnoiibus sj>atiulatis seu oblanceolatis, muter icpando- |e| sinuato-dentatis, in petiolum nitcnuaiis, siipcnonbus sublineanbus iniegejiiuis racemo etiam fructifero brevi saepius coi vmbiformu, silicula globosa Rlabtrunia broila* ^tipiiaia 5—12-sperma (loculis octou\ul<Uis), shto pergracih bro-MOIC sLinimbus submarginatis, fumculi^ septo longo adnatis — Lre^cit in Americae boiealis pane oriental! propo New-Braunfels

* *Semmibus immarginalis, sihcula slijnlata stylo duplo longwic*

- H V LINOIEMLR I A Giaj 1 c 145 f — Radice crassa pconm, caulibus documbenlibus foliosij> cineieis, fohio oblongs argute sinuato- v latiniato-donnlalis imislvrato-pmnalifldis, pube implexa ndprc^sis&inia (c pagina supcnore s<cio subdecidua) argenlco-incanis lacerno fiuctifero elongato siliculi* ovoideo-globosis ghbomnus slipite plus duplo shloque subduplo longionbu^ srrnmbu^ ininiaiginati*> — Te^as

** *Scmimbus immarginatis, sihcula non out vix stipitala*

f *Stylo sihcula aequihngo vel longioie*

+ *Caulibus elongatis dccumbentibus folxis spathulatif,, silicula glabra*

- 14 V ARGVRAEA Asa Gray 1 c VI 14b — I'crennis, pubo lepidoto-stellatd undique aigenlca caulibus diffusis vtl piocunibonlibu'* foliosi* foliis omnibus spatbulatia jntegerninis \el r^pando-dentatis, racemo laxidoio, fiucliftro tlongalo, pedicellis saepius patentibus, apico sursum cuivau^, silicula globosa cstjpilala glabcmna, stylo aequilonga oligospenna (lotuljb 16 — 18-OMiJatib), &cnmbu& iinmarginqtb — V *aictica tar.* —Tews

•H- *Cauhbus abbiuvulis suffiuticosis folns anguslis, sihcula glabia*

- ^ V FENDLI2RI Asa Giaj Plant Fendl 9 no 40 — SufTiuticosa nana, caulibus ramosissimis dense foliosis pauciflois, folus spatbulaio-lineanbus bieMbus [/* —'Aunc longis] intcgernmis argentcd-incani!>, inflmis rosulatis, sihculis globoMs glabernmis stylo tPnuissimo paulo breviobus — Lrtscit m INova Mexico

- 16 V STENOPHYLLA A Gray, Boston Journ of nal hist VI 149 adn f — Humilis cano - argentea multiceps folus anguste lineanbus graulibus confortis, lacemo mulii-Uoro denso, silicula membi anacea glabernma, stylum aequante* — Crscit in Mexico sopiontrionah et Texas, ad Rio ^rande

+++ *Cauhbus horbaccis creclis vcl ascndenlibut, silicula globoso - obovata tncana*

- 17 V LUDOVICIANI DP Syst II p 297 ~ Hook Fl Bor Am I p 48 — V *globota* Nesv Journ Hot III p 171 tt 181

tf *Stylo sihcula globosa glabra vcl stcllato *pubciula, 2 — 3-plo lonyion*

- 18 V AICTICA Richards. — DC. I c 159 no 11

Sect. II *ALYSSOWIS* DC.

Silicula ovata, valvis convexis n,?idiii>>cul^

- 19 V ALPLNANuti — \Mprs Report I 141 no, 12

subunguiculati mtegiH palentissimn luteis, silitulis \n supnaus globoso-ollipiicis glabris, columna sijlma aequilonga toionatiN <x< ulis 6-spoimi> siigraate capiialo — Habitat in Texas*

t Species minus notae.

V. LASIOGARPA Hook. Bot. Mag. tab. 3464. f

V. ARGENTEA Schmer. — Wlprs. Annal. I. 32. no. 1. — Foria9se ad *Synthlipsin* pertinet.

V. DIDYMOCARPA Hook, et V. GEYERI Hook, novum genus constituunt *Physaria*.

4869A. SYWTHIJIPSIS A. Gray.

(A. Gray, Plant. Fendler. 116. adn.)

Calyx basi subaequalis, sepSlis linedribus laxis. Petala obovata, ungue lato. Discus hypogynus inter petala et stamina annularis conlorlo - undutatus. Filamenta edentila filiformia. Ovarium oblonguni multiovulatum, stylo gracili brevius, stigma depresso-capitatum. Silicula septo contrarie compressa oblongo - clliptica emarginata (vel immatura leviter obcordata), \alvis nayicularibus acutiissime carinatis apteris, apice tantum marjdnato-sifbproductis; septo late lineari uninervi. Semina in quovis loculo 9 — 10 biserialia, e funiculo libero pendula orbjculata compressa immarginata. Cotyledones planae, septo con trad a e, radiculae ascendenti carinam valvarum spectanti accumbentes, — Herba ramosa diflusa, pube stellata canescens: foliis sinuato-pinnatifidis, racemis laxis, floribus ut \idctur roseis, pedicellis fructiferis patulis vel recurvis.

1. *S. GREGGII A. Gmy, I. cit. — In Nova Mexico.

4870. KOSTI&A Adans.

(Wlprs. Repert. I. 142, Annal. I. 32.)

j. K. ARABICA Boiss. Diagnos. plant, orient, nov. VIII. p. 26.— Annu, pilis simplicibus ndpressis canesci>ns: raulibus diflu-sis; foliis oblongo-spathulatis obtusis in petiolum lonKiu^cnluni attenuate; racemis trminalihus bnsi foliosis: floribus albis minimis; silitiuis podircello erecto-patulo iis \lx longiore sulTullis ovau>-orbicularis, stylo iis quiniuplo breviorc apiculaus, \alvis pilis sparsis adpressis obsiirs, loculis 1_2-spermis; seminibus planis anguste marginatis.— *M. Lybica* Roiss. non R. Br. — Crescit in in dscrtis Aegyptii, Arabiac petmeac ad moridi<m urbi^ Gaza in arenosis.

4874. AI.YSSLTM Linn.

(DC. Prodr. I. 160. — Wlprs. Rppert. I. 142. II. 75?. V. 36, Annal. I. 32.)

1. A. (*Adyscton*) ELATUM Boiss. ft; Heldr. Diagnos. plant, orient, nov. VIII. p. 33. f —< Perenne, basi caulcm licrbaceum elatuni teretcm, parcc squamulis stellatis obsitum, superne paniculato-ramosissimum ramosque steriles frulescentes, basi nudos, apicc dense foliosos lepidoto-canos edens: foliis ramoruin steritium adpressissime lepidoto-stellatis canis spathulatis, apice rotundalis in peliolum longe attenuatis, caulinis sparsis viridibus, parce squamuloso-stellatis spaihulato-subretusis; foliis ramorum minimis; floribus parvis intense flavis; petalis calyce parce squamulis aliu's .consperso subduplo longioribus ovalo - spathulatis integris; racemis fructiferis abbreviatis; pedicellis capillaribus patulis ilexuosis, silicula sesquolongioribus; filamentis omnibus basi appendicc linguacformi apicc subbidentato iis aequilongo auctis; silicula glaberrima orbiculari, apice retusa shlo brevi tenuissimo apiculata, loculis 1-spermis; funiculis b'beris; scininibus immaturih anguste niarginalis.— *A. Corsicum* var. *orientate* Boiss. — Crescit in iota Anatolia mcridionnli. in Caria in regione sylvatica ad meridiem Cadmi sito, ad rupes portus Tchrali Lyciac, in Tauro et aliis locis.
2. A. CRENULATUM Boiss. 1. c. + — Perenne, basi caulem elatum teretcm parcc stellato-lepidotum, apice cirymboso-paniculatum ramosque steriles breves suffrutescntes., superuc lepidoto-canos confertim foliosos edens: foliis ramoruin steriliu dense lepi^doto-canis anguste liriaribus subcanaliculatis, foliis caulis floriferi parce stellato-puberu^lis flavido-virenilibus; flopiibus mediocribus flavis; petalis calyce parce lepidoto vii^duplo longioribus spathulatis rctusis; filamentis stamjnum minorum intus basi appen^dice linguacformi fiMdis, majorum utnnque alatis, ala apicc in dentem abcnunii; racemi*

- iuictifeiis. \alde conliacis subumbellau* pedicillis tnpillanbus lltuos>is>>mns silicula
M^quilongioribus siliculis o\ato-subrotundis p&> stellati* adpressi&simis non conli-
guis obsitis, apice retusis, stvlo brevi tenui tuminatis, circumcjica margine Augusto
trenulato mcmbanaceo cinctis, oculis uniovulatis scmimbus [immaturis] oblongs
angu&i>simc marginaus — Crescil in collibus ad ladiccs meudionales jugi Cabsu in
\ia inlci Lalakieh et buadieh
- 6 A CASSILM Boiss I c 34 f — Bienne caule elalo saepius solitano rubro dense
folioso pilis sullatis spires obsilo supprne confcinn et lamosis&ime coT\mboso,
loins rnagnis oblongo-hnccolalis obtusrosculis basi longc attenuilis scsMlibus wentibus,
uinnque pilis sparsis stellatis obsitis, ranaorum minonbus angu^nonbus flonbusmedio-
tnbus aurantiacis peialis caljcc pai cosmic stlllatuu piloso |i| duplo longionbus <pa-
tblulatis apice relusis filamentis staminum bioMoium basi appendice lmgvacornu
hbero audit*, majoium utiinque late alalis, ala in dcnttm apice abeunti racemo frueli-
icro bitvi pedicellia ngidulis. palulis Hlicula duplo longionbus silicula ovaia utnn-
quo subaltmuala pilis stellatis spa 1 sis obsila. shlo longiusculo apiculata, oculis unio-
\ulalis semimbus (Immaduis.) angubte alatis — Crescit in agris dcrelictis et collibus
ad radices jugi Cassii in latore met idionali tum *A. oculato* inixtum
- 4 A ID ALUM Uoiss 8c Hcldr 1 c 35 f — Percnno multicaule, lolum squamulis mai-
gine minulis&imc flmbnalis argcnleo-vnens caulibus basi nudis. iciiubu* lurbaceis
prostralis> ascndentibiu\c folipsis simpheibus bicvibus, in racemuin etiam fructiteruni
bre^issimum subumbellatum abeunlibus loins o\aiis oblongi^t obluuis basi in pelio-
ium bievi^simum attenuatis petalia palhdt luteis oblongis integn^ filamentis, longio-
nbus aldlib ala angusta ad tcrlnm paitein lilamtnli oblique tiuncata bic\ioubus
basi appendice brcMssima libeia instructis ptdjcclhs, patoniibus sihculam ovatam apue
ittU>ain glabtrnmam Mrideiu &ubcaesiam aequantibus st\lo terminali siliculac dirai-
dium laliudmem subac quanti oculis monot.pcmii strainibus tngu&ti^sne olalis —
Croscit ad saxa cacuminum montis Idae all 6000 ppd rarum
- 5 A SPHACIOTICLM Doisb tic Heidi 1 c f — Pcionne cacspitosum totum squamulis
stellatis dcnssissime argenteo-lepidotum caulibus bicMssimis bcrbaceis dense foliosis
simpheibus, apice racemum sub anlhtsi ob pedunculos mfcnores longissimos con-
bosum fiuctifcrum sublongatum formaniibus fohis O AUS oblongisve obtusis. basi
ittenuatis subsessilibus, petals intense luleis oblongis integris. medio dorso stellatim
pilosus, filamentis majonbus ala supra medium m dentein abeunti, minonbus appendice
oblonga us diuudio niion stipatis, padicellis fiuctifens iigidis paluhs silicula ovato-
roiunda dense lepidoto - ai genlea apice rflu<ar stjlo bievi apiculata duplo longionbus
oculis monospennis, stnnnibus angustissimc niaiginatis — deccit in monte Sua\o<
podia cacumme excclso jugi Sphaciolici
- 6 A (*Anodonte?*) PSILOCARPLM Uoiss \oy bot App p 718 — Annum, lotum pu-
bescntia stellata hirsuto-griscum caulibus dilTusis 1—3-pollicnribug, folus ovalis ova-
to-lanceolatisvc basi attenuatis obtusis, raceuiis post antbesm elongatis V2—1-polli-
caribus, sppahs ovatis stellato - pubcrulis subpersistentibus, petalorum fla>orum ungui-
bus hirtuhs, limbo emarginato, siliculis podiccllo hirtcllo suo paulo longionbus gla-
bns orbiculatis, apice subretusis, stjlo basi hirtulo eis quadruplo loogion Qcummatls
Jrt\ia marginatis medio subinilatis, oculis dispermis, scmibus- angustie jnargmatis —
In Hispania mendjoalis regiombus alpinis arenosis

4877/!. BUCHIItfG CiñIA Boiss. 4 Hohen.

(Boiss Diagnos plant orient nov Mil p 29)

Calyx basi aequaJis Petala oblongo - spathulata Integra. Stamina
erecta edentula Silicula plamssima orbiculans transverse lalior shlo
^apiculata biloculans disperma Septum tenuissimum Funiculi bre-
Mssimi e\ apice locuh penduli Semina pendula compressissima anguste
"Jdrainaia Cohledoncs planae. Rddicula accumbens —< Ueiba Persica

annua tuieia, lola pilis lamosis stabnda, facie *Asperugnm* flonbu* a|i]Jaii)jus mjDJinis, silicula glodudiatopilosa. Genus pi ope *Clypeolam* (t *Pelt imam* collocandum, ah u^ silicula non indehiscenti scptata di\<n-suin, al) *Alyso* v.ihis plamssums iiJamentisque cdonluhs, a *tanetia* ilernqce cahec basi aiquah, loculis monospicimis ct ab omnibus flonbus axillanbus habiluqur di^ceden^

1 "II AMLLARIS Boi^ 11 lluciri I c f — Ciestii ad murgiuēs agroruin pi ope m beinTihuan.

4879 PETROCAM-IS *B. br.*

(D Piodi I 166 — Wlpis. Rcpert I 147)

1 P (>) Fi:>KSTRATA Uoiss a Ilohen Diagnos plant onent nov Mil p 27 — Glabor-nmii, basi fiuiitulusii ^laiuu-Mitm ramii brevibus eiecii^ folios, racemos posi amlxsin abbiem ilos siuplicLs edcutibus, folus minimi* cuneatis, basi in petiolum linea-Kin IUenuatw lullil^, lading lincanbui. aculfe flonbu^ 9 pedicellis fruclifen^ MHto-paiulib Mlicilt 3—4-(>lo longioibu<> bilicula minima o\«uo-globo<>a glabia. si\lu <»> htnuilinc bu\iuc tuperaiā, valvis con\cxib>imis, spplo o\aiō, apicc <>aepius tMiotialo fumtuli-) bic M^siimij ad apicem loculi silis libens — Forsan genii* pio-iiiiuin^ — In s<fi in ii\ONh Mcidan Abdallah in \alle Loura montis Elbius

4880 DRAB A *Linn.*

Ix Pi OIII I Ib6 — Wlpi* Rcpoit 1 147 II 758, Ann.il I 34)

1 I]I (uop|is) CRI TI(V Hoiss a Heidi Diagnos. plant Client nov VIII p 2Z — Caes-pilot i nan i foliis ad apiLim caudiculoium lOsulalib ovalis oblongisve nitidulis, «<f>» ugidii pectjuaio-ciliati^, scapi<) pilli> iamosi>, toinont(,lli!>, flouO'iik e caespue \ixexi>ei-tit, Ijuclifen^ elongate, flonbus pams, pclalis pallido luleis., caljce vix duplo longio-nbus hiannibus corollac acqulongis, racemo fructifcio contracto subumbellnio, pe-dicellis siliculae subaequilongis bicvionbus^c, siliculis pilis stellatis tomentcllib exacte dliptius stylo brevisMino apiculaii^ — Crescii in cacumino Lazzaiō montium LasjhUi alt 1000 pctl

I DR OVYCARPA fioi>s 1 c 2S i — CaespUosa nana folus rosulalis lineanbus sulcatis. sen* ngidis denso pccimato-cilidtis scapis pills lamosis bnsutis bieyibus, flonbuā pants, pclalis pallide flavis, calue \i\ duplo majon)U> filamentis sepala paulo supc-rantibus, iicpnio luiciforo contmcto, jiedicellis silicula j>ubbreuiōibus, siliculis pube breM lamosa lniioh^ oblongi>, basi lalioiibib milatis, vi\ coinpressis, apice acuti&simis in stjlum loii^uicilum ribcuntibub — Cie&cil in cacumimbus Hemioni^ supra Rasthcyā in Antihbano

i DR DEDEANA Doiss a Reut in Boiss \oy bot. App 718 f — Dense caespilosn, ihizoinato ramoso denudato, folus omnibus densissnne rosulati^ oblongis vel intimH obfongo-linoaiibus oblus^, seiii ngidib peclinato-cibalis, caetcrum glabns; scapis-iphjllis iicdicillisqce ciispo-pubeiulis, pclalis flavis latis cunealo-obcoidati9 caljce plus duplo lon(Monbiin st.inuuiibus caljcem MY excodentibus, racemo fructifeio subelongalo, MIHUIS pubfiulis ellipticis UNIKIUC aculit, p< dicello us tubaequilongo sufTullis, btiginalu MIISI->IHI ipicualis — Afliu^ D) aizouh.— In Ili^uma enca Pam-plonnm

1 DR (*Umisoihabu*) PLMIL V Mitlithol HI Tloia (U. /.) \\XII 666. f — Heibacea p/ginata stapo hn>uio aphvlo fuliii clliptico-oblongis subdentatis, pube stellaw i caetcrum<sup>scutibus<sup>stapo lloulcio lolia MV -jupcianle, pclalis oblongo-cuncaUs, cahcibu^J hntis duplo lougioubus sihtuhs otato-laiitcolatis, stjlo subnullo. — „Am Mfihf-tlii^ii - Pul\en des Rauisei Goldbeiges "

5 *DR *Viability* PLAT\ (ARPA Torr a Gi - (Wlprs Rcpoit I 152. no 52 u M-T 1 mend p 1) — A (jia\, Bosion juuin ol nat lust M 14S — hi liunieiam Scheele, linn« i \VI 3SJ

- » DR. MICRANTHA Xuu. — (Wlprs. Report. 1, 152. no. 53.)— A. Gray 1. c. 150.— Dr. *lilicuulis* Schftdc, Linnæa XXI. 583.
7. MI. (KROPIILA) MACROCARPA. Boiss. ft lledr. 1. c. 28. +— Annuæ: foliis rosulatis oblongis in pctiolum attenuatis, utrinque 1—3-dentatis, pilis ramosis parce obsitis; scapis post anthesin laxis elongatis; pctalis lineari-cuneatis, calyce plus duplo longioribus, ad medium usque bitidis; pedicellis silicula paulo longioribus; siliculis glabris linearibus, siliqua sessili apiculatis, latitudine 6—7-plo longioribus— *Erophila aih-quom* Boiss. Sc lledr. — Oescit in cullibus marilimis prop** Smyruam in consorcio Dr. *vernae*.

f Iones addendæ.

- » R. ARAUISANS Niclix. — DC. 1. r. 170. no. 42. — Torr. Gen. pi. fl. Am. bor. I. 159. tab. 68.
- DR. VGINA Linn. — (*Erophila vularis* DC. 1. c. 172. no. 2.) — Torr. I. c. 159. tab. 61*.

4884. SEIJEHTIA Nutt.

(Wlprs. Repert. I. 154.)

1. *S. AL'REA. Nutt. — Wlprs. I. c. — Torr. Gen. pi. fl. Am. bor. I. 157. tab. 67.

Tribus III. THLASPIDEAE DC.

4884A. CARPOCERAS Boiss.

f *Thlaspi* sect. II. *Carpoceras* DC. Prodr. I. 178. — Boiss. Diagn. pi. nov. orient. VIII. 36.)

Calyx basi aequalis. Pelala integra. Stamina libera edenluJa. filandulae minutissimæ binæ ad basin stamimim minorum. Silicula a laterc compressa, a basi ad apicem dilatata obverse triangularis, apice sinu lato lunulato bicornuta, stylo apiculata. Valvae dorso acute naviculares apterae. Loculi bi—pluriovulati. Semina oblonga punctulata vel sulculosa pendula. Funiculi basi dilatati. Uadicula prope commissuram cotyledonum sublateraliter sita. — Genus herbas orientales annuas biennes vel perennes facie et characteribus *Thlaspidis* dignatas, sed quarum siliculae apterae sint, comprehensens; ab *Iberidella*, quae quotie valvis apteris gaudet, silicula apice cornuta seminibusque non nolorrhizeis distinctum, non confundendum cum *Thlaspidis* Sect. *Apterygiutn* Ledeb., quod e *Th. pumilo* constans vulvas quotie fere apteras habet, sed utrinque attenuatas prorsus oconutas, semina regulariter pleurorrhizca et quod a *Th. rotundifolia* generice se jungi noquit.

- * C. SIBIRICUM Boiss. 1. c. 37. f — Annuum glabrum: caule erecto simplici aut vix ramoso; foliis radicalibus obovatis sulpeiolatis, caulinis oblongo-lanceolatis integris denticulatis, basi hastato-amplexicaulibus; petalis lineari-cuneatis, calyce paulo longioribus; silicula ovata, cornubus planis lanceolato-triangularibus siliculae subelongis subarcuatis; loculis dispermis; siliqua sessili; sominibus longitudinaliter clinatim sulcato-striatis. — *Thlaspi cevatocavpon* Murr. — DC. I. c. 175. no. 2. — Oescit in Sibiria
- ** C OXYCERAS Boiss. 1. c. 37. f — Glabrum bienne: caule elato erecto tereti laevi folioso, superne corymboso-paniculato; foliis radicalibus oblongis longe petiolatis, caulinis oblongis obtusis, basi rotundatis imbricatis; petalis albis lineari-cuneatis, calyce duplo longioribus; racemis fructiferis longis densis; pedicellis subulatis silicula duplo longioribus; silicula ovala compressa quadrangula, cornubus subsetaceis reclusis silicula dimidio brevioribus; stylo terminali cornubus paululum breviori, tandem deciduo; loculis dispermis; seminibus punctulatis. — *Thlaspi oxyceras* Rois*. — Oescit in nemorosis regionis inferioris jugi Cassij inter caucasicam et Turanicam.

j (sTENoi HULM Uui<s I « ol f — (ihbiuu jutum caesio-\ncn<> mulucaule riulibus toliosis <impliribus pumilis nrunum flunfoiun capitatum fiuclificium clongalum tdcnubu* loins iadicalibus numuosis IOsuhlis o\alis poiolatis intfgus |i|^ubrppandii (aulims iesMlihus hasfuo-nrnph \n anlibu^ basi minute ritnticuhis annculis minimi-s oblongo-lint minis p< nli> oblungo-liuaribu^ ilbis rahce npice \io-l-wtnli duplo lon^iunhus Mitulis podicello emlo-puulo n» bicMOii suffulus olneise IMLOI illis <oiriubiis phnis luanguhiibus silicuh soiluplo bit\ionbus aiyo tcinnnali toinubus diniidio IMLMOII loiulis 4 <spumiM sniinubus uunuie punctuhti!> — 7/Wa^u staiui aipum]>oiss U Ilolitn — Liescil pi ope lines tn monlt Tot^chal piopo Ttbei an

4 C IASTL1 MUM Doiss 1 c 38 +— Anmium glabium pluncaule ouhbus ascnidentibus simplicibu!) vd paice foliosi^ laumum lornimhm paucifloium tandem cloukatum nluubus loins iiiuiutis ruclic ilihis o\ito-lotundis buMtei petiolatib, caulmis oblongis \, tl ohlonpro - line n ibus d< iiiiculatis \CUHIMUII<>, basi bastaio-amplexicQuliluis nuuLulis nimulib oblon^is penile oblongis ios(i> talyte inplo longionbus siliculis pidicdlo tictlo - palulo us pmlo luxioii sullultis obMisc Iiucan-lanctolai^, ipice truncatis uornubus \alde dnuguilibus subbonzontalibus linean - lanceolatis silicuh b—8-plo bitMOiibus. shlo coinubus ioquilon^o loculi^ 4—b-sperms — Tfilasju haslnlatum Sltv — HuUlunsia hast ul at a DC I c 178 no 7 — Crescit in (floi-rn taiu iMia tl Pcisia boitali

4884 DIDYHOPHYSA Bom.

(\nn s. mi [i Su] XVII 179 — Cutll Grn pi Suppl III p 87)

Silimla i lattic compr(ssa (hd\ma bival\js, valvis globosis inflahs nifinbiainccis, btjito aigiishssurii lincan, vahis multo breuioic. Soniua in lodilis ptmina penduh iminaipuidla, fiimculis liberis Cotylcdontb planac scpto ptipendicularcs, 1 idicul IC accumbentes — Heiba perennjs in alpbibus Aiononide ucsetn^ caudiuilis Ltnuibus elongatis repcnlibus nudis, cauhub lamobib glaluib paice lohosis, loins omnibus cauhnis }almatiparlitis glabeinmis glaucescenlibiis cainosulis, racenus teiminalibus, poditellis fihlormibus (biactcalis

1 D AUCILRI Boiss 1 c — \ai stuiophylla Boiss a Ilohen Diagnos plant oiusnt nov VIII p 36 f — Folioiun lacunae lincin-seiaccae aculiustulae nee oblongo-lincarcb Silituhr mmoies — (KMII in montibus Kub-Datna Pcisiae austrabs.

4885. THIASPI Dill.

{DC Piodi I 173 [(<1 sect 2] - Wlpr;, Repert I 155 II 758 V 37, Annal I 37)

1 TIIL Onn oli o>6) MICROSTYLUM Bou.s Diagnos plant orient nov Mil p 38 f — Ultimo \tl ptnne ^labium catsio-\ncn* ouhbus plunbus. ascendenlibub bre\ibus loliosi*. apitt in racemum etiam fiuclileruin abbrevialum abeuntibus, folus radicalibus iuuuuis o\alj&, poliolo us duplo longioic >uTuU>, cauhnis oblongis acutiubculis, basi itutiustule auntulato-ample vicaulibus omnibus, intcgis A el m et paice denticulatis, flonbus, ^ilitula ptdicello palulo crasMusculo ci bieMoie suffulta obo>ala, basi angusiitd siipcino profunde et smu atulo obcoidata, ala nervo nidi,nnata, supernc loculo 1 Hiuii lobis ciim,^inUunc laicu <Ueiion rolumlati* mtLiiui acutmstuh.. shlo bic^ibbimo emarginatua quidiuplo bicMon, loculis quadnovulalis, semimbus lacMbus — Ciescit in icgione nionlana sjlvauca fabbi in Syria boreali, unde specimen unitum fiuttiftium

2 FIIL KOTSCHYVMM Boi^s (& Ilohen 1 c 39 f — Annum glabium glauco-Aircns caule pumilo simplici&binio folioso uttmum m anthesi dense capitatum, dem sublongatum tdtnti, folus raditalibu^ ovato-iolundi^ lubellis, longiuscule peliolalisj taulinij> o^atl> oblusis integris auntu^ato amplexicdulibus, auncuhs lolundalis flonbus nunimis ptlal & albis oblon^o-Imeaiibus calyce Mola^centi subduplo longionbus, siliculis puucillo cutio-palulo IU Mibacquilongo suTuHi* orbiculato - obcordalis.

ormrgin.uura piofunda ad loculorum apiceni usque prodiicta stigmatc in MIU angusto
 ^c^sili ala basi angustuta, superne lati^sima nei\o tenui maigmata, lobi> utunquc
 lotumhtis loculis 4-spcrmis semimbus hc\ihus — deccit in monte Elbrus supra
 pigum Pissgala #

J THH (*Pterotropis* OrHROLEUCIM Boiss a Heidi I c W f — P.'ienne glabrum
 inulicnule taudiculis bicubic induritis in taespuMU toaiciatis, cauliut pumilis
 lollops, ruemum unicuni ranus binos sub anlhcsi tapifuos, dm elongntos edcnti-
 bu« foln* ladicilibus o\ati* oblongisAe oblusis intpgni |t| Mibdenliculntis in petiolum
 n> brewomn attenuate, tauliuis oblongis atutis toidallo-amplexicaulibus, buMssmic
 a iutuiddjim aunculdti<> petals pnllide ocbroleiuis, cal\ce lubullo plus duplo longio-
 ribus antliti'i^ flams tahroin supciaiUibus MIICUIS pedicello pilulo us paulo longion
 \suffults (junjonbut) obtordaUb, baM atiemiiitis, apuc IneMltr uriargmatis, aft siiperno
 latitudincm loculi aiqauaic shlo silicula \|x bieMore locuhs quadnoxulatis — *Th.*
elegans Hltdr non Boi*** — Cicstit ad ni\ps in regione supenort montis Da>ro>>
 digh alt 5—6000 ped , in Mncedomao alpinus (0

1 THL TWGETLLM BOIS 1 t 40. f — Pcienne glabium nraltitaulc randiculis bre-
 Mbsimib in caespitcin coorctalib caulibus folio sis snnplicibus, racemurh flonferum ca-
 pilatum, fructiferum elongatum edentibus, foliis omnibus magis minute denticulalis,
 radicalibus oblongi*, m petiolum us longioicm attcnualis obtuse, caulmis (Jjicnffo-
 lineanbui* acutis, basi acute aunculato-cordate, petalis albis, cahte rubello sffilnplu
 longionbub, anthcrib wolaceis ca\ce longionbu^, siliculis pedirello patulo-icllexo us
 duplo longioie sulfultis (juinonbui>) obroidati*. basi attcnuat, npup bre\itrr einr,M-
 natj>, lobis brevissimis rotundatis, ala valvarum superne loculo aequilata, st\lo silicula
 dunidio breviorc, loculis 5-ovulais — Citscit in icgione MI\ alien inferiore Ta^geti
 supra Misra

" THL STENOPTERUM Boiss ft Rent I c 40 f — Glabrum porenne collo fibnllis
 foliorum deciduorum obsilo, oulcem unicum punnlum simplici m parco folio-sum edenti,
 folus panis, radicalibus rubellis ovato-lotundis pcliolo us longiore sutTultis. caulmis
 remotib oblongib acutiusculis, bisi brevitci coidato-auuculatis, petals albis calyro
 duplo longionbub, antlicns flavin, lacemo fiuclificio nbbrc\iato dniso ptdicellis patulis
 biliculae subacquilongis, silicula angusta obcordaio - Innceolata basi longe attenuata,
 apice sum lolundato cmarginata, lobis rotundatis bitvisMinis ala jam medium fructum
 \cr^u.s loculo quadruplo angustioic fore obsoleta, shlo emaigndtuia tnplo Iongioie>
 loculis biovulati^, senumbus lacMbu^ — Cri'btil in Sierra de Quadartama Castellae
 vetens supia El Paular

4865A. BROSSARDIA Boiss

(Boiss Ann. *c nat 12 *Sor J* XVII 183 — Endl Gen pi Suppl III p 87)

Calyx tetraphyllus, basi bisaccalus Corollae petala 4 hypogyna
 <>equalia Integra. Stamina 6 tetradynama edenlula. Gernien oblongum
 tonipressum stylo apiculatum. SilicuU indehiscens magna, a latere
 piano-compressa papyracea late alaLa, utiinque mlegia biloculans,
 lophospemiis ob septi angustiam coutiguis. Semma in loculis 2 v 4,
 luniculis versus medium locuh ortis bievibus ciassiusculis libciis.
 semina tomlanata oibiculata. Cotyledones planae radiculae ascendenti
 accumbentes — Herba Persica plauca: caulibus subiistulosis; loins
 cal mis supenonbus cordato-arnplexicaulibu*«, lloiibub in lacemo lenm-
 nah roseis.

h. BR PAPYR\CEA Boi«s 1 c f—(i. *hotsthyi* Boi^ Diagnos plant oncnl no>. Mil
 P 41. f — biliculae apice et ctiam ba^i 8>iib<maigmatar, cacteiium omoia speciei —
 ^r^scit in declivibus sopiminonalibus momis Kuh Baitt & Kuh Dclu Persiac au-
 stralis

4«87 1BK R I S *Iinn*

(J)(lull I 178 — \\i l s 11 poit I lofi II 739 Annil I 38)

- 1 I IORISTIIU Joid (ri mici iccoltus <n ISi9 iu Jaidin botin de Gienoble p 21 ii 27 — Hicmiis ftuelil<li-* li mil conlMdis satpt moilo o (longalis sepihs ~~et~~ \\ iti 1) IM cunt it i li m I i \\ii ilil UN SIK illiv, I ite oibiuihiibus i| i< li IU I angu*litis I IM lutunditis Mil ins JI\\IKI ()ii\\t\\is alls A ilviimn I ilitudiu in npia suppianiibus mil MIL ingusialis MIU ul mi luim nmgint hlnsciili ungtntibus < in u^miluiac lobis \\ dii iiuminilis b i i ua in stylum non »otuntibu*. inguluin ntutu in < thuentibus !nlid siilitiit puu ft it 1 JII{,IOIIIU}» st\\lum conspicue siipcrinlibus folns \\nidibus t(iiul)ii> spaisini tihato puboiuli<> plamssimis infuioiibus pumordiahus ovato-oblongib obtuMu^culis in pcciuulnin nitciniai** tidciib oblongis aculis omnibii:* infine angusta Us sup i incdiuin uliin|lir 1—J ticiniu dentals dentil u> bic\\ibus ovati> acutis (uilt pills loclinalis niinull (uboiuulo sii pe a IHM simplici2>Mino sup* me ramis aliquot bio\\ibus modicc j>itulis> uiclo — Habit it in uvis \\ilniiin Pynnacamm
- 2 I VIII \\RSII Jord 1 t p 22 no *Ih* — RICCIQIS fiuclifens ipicc subcontractis ablioMiti') scpillis obo\\ His cone\\i> apico ^ubintegn siliculis o\\ato ellipticis utrinquo j mluluni ingustitis ilis superno dihlUis ^1h^lun hliludincm apico subicquantibus, inf i MIICUI le medium \\i\\ conspicuis (nmginauric lobis o^*\\tis 1\\nccohti<s^c acutis I i^ sui in shluni nun (ouintibus inDulum ipcitur cflfcientibus quintain totius. sili< uli(jiiitcni i< luaimbus sulum Inud supitiintibus folns intense Miidibus op ICIS n issius(ulis sub^l ibiis supri doprtsMs hvitci subcaniliculis raditilibu^ pumoi-lialibus IIIH iu jbl) iipis ra< tens c nilinisqno infiti IOIibus line iribu*Inud mgustisbimis iiliinquo inqust itis nj ICP (btusiistuh> supia inodium uliinquo 1—3-d<ntiti<< ranus siibinto^ns ri((t i ilulis c i lutis sup i iioibus i ime ilibusqup satpc Inlccgemns raule fuo y\\ ibio in (u s II p(nif(im SJHLJ lici mfn nitdium |i| ^upeincnmosissuno, lamis I dill) nulls \\nD\\i(is IJIVIIIS siijic i| in i j\\Miibulosis coivTibumque ampluni cflitiMilibus — Hal il (l iu cc dibits |ii<i Del; bin Uus mfdiois prope Njons

GEJSERiV 11ILASP1DEIS AFF1NIA.

4891A CRK9TLXARIA *Boiss*

(Doiss Ann sc nat [i Su J \\MI 181 — I ndl Gen plant Suppl III p 87)

fdly\\ 4-ph>llns l)asi bi₀)bbosus foiollie pclala 4 hypogjna oblong i inf<aa Slainini 6 h ti uhnami mi|oium filamenla alala, ala sensun evaluatepcute minoiuin basi mcuna SiJitula indcliiscens (rustacca a Jatcit compicssa coidati maigine alato cicnulata, in siylum brevis&inium allcnuita unilocul irib 2—1 -spei ma Somen pendulum compressiusculum, iimiculo libero mlia apiccm loculi oilo Cot^lcdones radiculac ascen-dnti sublatuali accuiub(nits — Sufmliculus Oraecus folns oppo-silis cainosis Intcfeciunis iiiiui^ Iciirunalibus brevibus pauciflon^

- 1 (R ORBIGIL VT V Boiss I t f — Rimi 1 — 4-poIiicarcis folia orbiculana ghnduloso puntiata 3 lin longi tkics ill idi uit | dlulc losti — In monte Atho

489J/2 MOR1ERA *Bans*

(Boiss Ann sc mt [> Su 1 \\MI ISI — I ndl Gen pi Suppl III. p 87)

Calyx 4-ph>llus Inieqmlis Wl ih 4 oblonga rotundata brevitci un-tuiculata Stamina 6 trii uKnaini JI micnli oninia aptcia fililormia A basi plamuscuu oiula Sihcula indcliiscens mcmbianacca, a lateie compressa, basi a jpice nnai^mala sligimlc scssili apiculala unilocu-luis, allcnus gemmuhe iboilu monospcaima Semen pendulum conipressum funuulo libcio mfi \\ apiccm loculi orto appensum Coty-

ledones radicularae ante accumbentes — Suffruticosi spinosi in deserto
l'cisne crescentes

- 1 M SPINOSA Boiss 1 c f — Suffruticosi ramosissimi foliis minimis lineariibus ciliatis
obtusis obtusis crenatis racemis post anthesin ipse spinoscentibus — In deserto
Persico
- 1 M MKGAFV Boiss I c 183 + — Basi suffruticosa caulibus virgatis subsimplicibus,
foliis carnosius sublinearibus obtusis — Cuci Isfahan

Tribus IV ANASTATICAE DC

4894 MORETTIA DC

(DC Prodr I 185 — Wlprs Rept I 109)

- 1 M PHILARANA DC 1 c — Boiss Dugnos plant orientl nov \III p 17 — Tota
aculeolis stellatis obsita caulibus crassis ascendentibus foliis breviter petiolatis ob-
longis lepidodentatis petalorum unguibus asperis siliquis quadriculatis
submembranaceis profunde bilobis terminalibus — *M. asptima* Boiss — (Wlprs
I c no 1) — Crescit in Aegypto regno Marocensi Arabiae prope Bebei Nukae
- 2 M A^ESCE^S Boiss 1 c — Tota indurata dense stellata tomentosa tamen
caulibus tenuibus prostratis foliis ovatis oblongisve subrugatis medio subpeltatis
petalorum unguibus subexsertatis siliquis letiusculis ciliatis bitrilocis
bilobis terminalibus — Habitat in Ussuibus Arabiae prope

4895 ASTASTATICA *Gitm.*

(DC Prodr I 185)

- 1 * *i* HIFROUNTICA L — DC I c — Hook Dot Mag n^o 4400

Tribus VI. CAKILINEAE DC.

4899 CAHIIIE *Tournef*

(DC Prodr I 185 — Wlprs Rept I 159)

- 1 r MARITIMA L P *Americana* \Wlprs I c no 1 — Tota Gen pi fl Unciis bor
I 168 tab 74

Subordo II. *j* \OTOHHIZEAE DC.

Tribus YU SISYMBREAE DC

4902 HESPERIS /

(DC Prodr I 188 — Wlprs Report I 160 II 760 \ 38 Annal I 39)

- H [*Uapci* iditii] REMFOLIV Boiss 8t Hoben Diagnos plant orient nov Mil p 22 —
Penonis glaberrima glaucescens radice crassa verticali caulibus 1—2 ciliatis
breviter foliosis simplicibus vel superne parce paniculatis (obtusis radicalibus LI
tenuibus breviter petiolatis orbiculatis cordatis obtusis in tribus obsole-
tissime et rotundam rotundam lobatis caulibus infertilibus sessilibus lineariformi-cordatis
superioribus multo minoribus oblongis itutis ricomati paucilloro petals cupreo-
virescentibus linearibus oblongis calyce glabro sesquialongioribus siliquis pedicello crasso
trilocis piliis us dimidio longioribus tubulosis longis apice attenuatis
*ugmate punctiformibus imbricatis vnlvis phloem cum eximie ubi in seminibus elonga-
ti* — Species forma f. *liouini* HENRIKII MIII *i* \o 11 *tuskm* \el if *qucHbangulam*

cullocindn tatics quoque *Montahdiae* sed semina oblongo-olindnta cam no ton hi /eim esse domonsirant — Cresui piope Sthacli Ntbchitn in monlc Toischal propi
 1churn <l 7000— 8000 pedum in Pci n

49024 BLEIHirODI* *It Br*

(R Di in Sluit 1 vpcd Ctnli Austial II App 67)

(t j \ dausus foliolis lateralibus hasi saccalis Pctnla aequalia, hminis obo\ili^ Stamina iilamentis cdentuhs 0\anum hnearc St>lus bicvissimus SligDia bilobum dildUtum Siliqua lincans \alvis convcMiisuilis sliginatf coionata poh^pcima Semina apieia pube libioso-mucosa tecla' (ol>lcdonts mcunibtnte^' — Heibi v suffrutex uutus ramosus (inc^ccns }U!K rauiosa, foJus lato-lincanbus icmotc dentatis rccmns tcmom dibus

1 lil (ANES(h NS R Br I c —SulTmlitOsa s<>>quipcdalis raule ramisquc tcretibus FtIn MX polliom jnucideniata Rnctmi multiflon cietli ebracteati Flores albi-ijnies Ciht inono puboscens Petiiorum unguies cahcc paulo longiores Stammi d teiridvniha flhmrtis lincinbus membranaccio apicc sensim angustato — In Nova Hej\ra ha n utr di

4906 81SYMBKIUIFI *linn*

(DC Piodr I 190 — \Mpn Urcpit 1.16J II 760 V 39 Annal I 40)

- 1 s fNofla'J IN(ISLM IngLlm ms^ ox \si Gny PI lendki 8 no 29 f—Annum wl birnnc iult g! ibiusrulo scu pubeiulo si u glandulo^o-piloso folns pmrntiscctis 'signKiitis hnciolilis \ I linnn huctohds nuiso sormis potilis fltvis lanccolato-spthiil uis olvccm siiporiuihu^ podicdi^ rthrc toi quator\c longionbus fructificiis fn onio fiiutiliro tlougilo; | alPiiubus c ipillnbus siliquas lincin - fliformrs erocio- p ilenU s sub if qmnlibus \tlvis jmlistiictc umntrviis — Cresrit in No\ a Mexico
- 2 S I \VSPiK\TUM Sondr, I innaea XXJil 3 f- Caule orelo ramisquc hirsniis folns omnibus pmnatiparlitis lob is dentatis icutis pilosis siliquis orclmsculis toictius- tui>> glibns btigmilc pilobo tenninatib — Habitat in Promontono bonac speci

+ Icon addenda.

S BIMRM C A M(\ -(Wlji*. Rcpn I 164 no 11)—Jaub ft:Spoch 1U pi orient III 147 f t-ib 29«

4908 ERYSIMUM *linn*

(DC Piodi I 196 — Wlprs Report I 167 II 761 V 39 Annal I 42)

- 1 I (*bcaio'y* AMPLIAKAILL A Rich Tent fl Unss I X) — Glabiura folns in- fdioiibus petiolatis subhrato pinnatifldi* oaulmi*, amplexicaulibus oblongo-lanceola- IIN icutis marline ilistanltr el obsolete dcnlalis glaucis flonbus lulu* paucionbus sop illis basi acquiljbus subo\ilibus oblusis siliquis ^f ~ *Brassica amplexuaulis* Uothsl Mss — fitsril in inontt Uouthit (pro\ Simiene) in Abyssinia
- 2 1 (*Cuspidmui*) ^V^LV1 Hoiss tē Hohen Diagnos phnt onent nov Mil p 23 f — Pu trine ti(spitosum lotum pilis adpress^ simphtibus [bipailitis] obsilum pallide fla\o virens cauditibus bieubus bisi nudis cauhbus nanis basi dense loliosis in idiunum brevtm MHJ lictin c taespitc bic\iter tvserlum abcuntibus folns paivis uliiuqut adpicbi>o hniis infrionbus oblongo spaihulatis oblusis inlcgris ACI utrmque ~~obso clusum~~ 1—2 denticulalis bi&i longe nltcnuatis peliolalis, supnonbus sessilibus ~~oblongo~~ lincaubus acutis ptdicillis taljet bi&acalo plus dunidio breuonbus glan- tulu\ plateniams lulobis siliquis bitvibu* ttrldgono-toinpitssis adpresse hirsutis stjlo ttuui (ninin latiludino lon\ion tcinnntis — Habitu foliorum magnitudine ot forma illinc *I ntpistii hi* std folia \ix dcntiia magis ittenuita tola plania pilis simpliti- bus mi uilldis obsin \Mne quoque *I Uuhui* quod loins inte_c'eujm/^ ~~angust~~

linearibus canescenti - griseis differt. — Crescit in cacuinibus alijum Jlasarischal monlis Elbrus alt. 1000 ped.

3. E. GOMOCAULON Boiss. 1. c. — Bienne: caule clalo acute angulato, injerne recto simplici lolioso, superne longe et siricte ramoso-paniculato pilis adpressis simplicibus canescenti; foliis pilis minutissimis adprossis aliis trifldis, aliis simplicibus obsitis, radialibus longe pctiolatis oblongo-spalbulaiis dentaiis pinnatifldis vel pinnatifldo-lyratis, segmentis inferioribus minutis remotis oblongis acutis, icrminali multoties majore obtuso, caulinis subsessilibus scssilibusque acute demiculatis, summis linearibus minute deniiculatis vel intogris; floribus inediocribus; petalis pallide flavis, calyce breviter snecato duplo longioribus; glandulis placentariis obsolete trilobis; siliquis axi strieiissimis pilis minutissimis trifldis adpresse etilense canescentibus asperis, quadrangulis brevibus, rectis vel contortis et tunc obscurius angulatis, stylo latitudini suae aequilongo vel longiore tenninat/s. — *Syrenia goniocaula* Boiss. 8c Hcdr. — Crescit in Cario, in rupestribus prope Tcbeltickcbi Pisidiac, Antilibano prope Zebdani et monte Gassio.
4. E. MUTABILE Boiss. & Hcdr. 1. c. 24. — Perenne nanuin lotum virens, pilis simplicibus paucisque irifldis adpressissime obsitum: radice simplici verticali, collo mullicipiti vestigiis foliorum cauliumque vetustorum incrassato; caulibus pluribus fliformibus procumbentibus rubellis lota longitudine foliosis simplicissimis, apice 2—5 flores confertos fcrenibus; foliis minutis, radicalibus oblon#o - spathulatis in pctiolura atteuntis integris vel obtuse sublyrato-dentatis, caulinis minoribus subsessilibus oblongo-linearibus integerrimis; petalis calyce subsaccato plus duplo longioribus. priuium flavis, dein rubris; siliqua juniore brevi adpresse hirsuta, stylo longo tenui terminata. — Crescit in saxosis montium Lassiti Grelac alu'iud. ciic. 5000 ped. et rarissime in monte Ida.
5. E. (CONRINGIA) GRANDIFLORUM Boiss. & Hcdr. 1. c.25.— Glabra glauco-virens: foliis inferioribus ovalo-vel*oblongo-spathulatis in pctiolum lirevem attenuatis, caulinis cordatis amplexicaulifius obtusis, auriculis rotundatis; rucemo terminali paucifloro, fructifero elongato, floribus amplis; pelalis flavis, calyce albido subduplo longioribus exserlis; siliquis longis rectis ereclo - patulis in rostrum longuni compressum lineare iis anguslius attenuatis, valvis convesis dorso trinerviis. — Crescit inLycia, in monlibus Climax et Solyma Lydiae in regione inferiore, in monte Ghibelleis.Pamphyliae supra Alaya.

t leon addenda.

- E. ARCANSANUM Nutt. - Wlprs. Repert. I. 170. no. 26.- Torr. Gen. pi. fl. Am. bor I. 149. tab. 63.

4916. STAUHLEYA Null.

(DC. Prodr. I. 200. - Wlprs. Repert. I. 173.)

- * 'ST. PINNATIFIDA Nutt. — DC. 1. c. no. 1. — Torr. Gen. pi. flor. Am. bor. I. 153. tab. 65.

4917. V A B E i A'////.

(Wlprs. Repert. I. 173.)

- * " W. CUNEIFOLIA Nutt. — Wlprs. 1. c. no. 2. — Torr. Gen. pi. flor. Am. J>or. I. 155. lab. 56.

Tribus VIII. CAMELINEAE DC.

4925A. PAHIi ^ TOBEA Boiss,

(Wlprs. Repert. I. 174. — Endl. Gen. plant. Suppl. IV. p. 38.)

1. P. ROSTRATA Boiss. & Holien. Diagnos. plant. orient. nov. VIII. p. 22. + — Secus caules et pctiolos parce hirsuta. caetrum glabra: radice cylindrica verticali pluricipiti; caulibus simplicibus bnsi foliosis iiv raoemos post mnthesin elongatos nudos ab^umlbus!
II.

folns paivis iilanguid] l-l otuihii:> obtu^p n loiumlaiim icpando-lobatis, radicalibus CL
taulinijj infpioribus b>>i tiuncatu-(onhti>> longe peliolali* suponoibus bisi bieutoi
lunoatis subscsililiU') pi tills il>j^A lm< iri-cuncatis, caljcc ghbio duplo longionbn*
pulunculis p iuitibut III CI && id* tiliquis lineaii-t\hnilicis & ui\ iii». mtei scmn ob-
lungi slianguliis in ionium luiuum u nuc imuivuiu abuintibu* — Citscit in \ tile
\tsbacli iuurilis Ilbiu* pi opt Dubend

Tubub IX LEPIDINEAE DC

4928 IOIVOPSIDIUFFII *Itchb*

(VMpr s Ilepert I 175)

1 M A (\LLr Rchb — Wlpis 1 c — A an Houtie, Flore des series IV lib .381

4930. EUHTOMIA DC.

(D(Prodi I 208 — Wlpi^ Repcit I 175 V 41)

I II sinu VIV Huiss a Ikldr Dngn phnt orient nov VIII p 42 +- — Perennis
klutM c mlibiis bu Mssini's suffiucosis piocumbeniibus, caespitose ramo^is ratniu
liit(il)iiis sinplicibus u^<liit ad lacemum sub anthesi tapitatum dense folio&is, folus
umiisMiiH subuhto-tubtciolibu') stnatis acuiis potalis roseis calyce rubello bi^accato
dujilo loiiigionbus iillogiis lirKan-oblongis filamentis omnibus exalatit cdenulis, an-
tlnris lultis MJCUII pedicello slnclo i\ MY itioMon siiffulla cliiptica compressa, basi
lotmulitt <jj>ice subretusa, ah maigimli aii^uslibsima a pane dimidia apitem versus
Hmbmio-hciM stigmato stssili — Crebcil in paitc occidentah monlis Gheidagh
laun hamMI alt 6000 ped

4932 L,EPtDIUI»I *H lir*

(D(Prodi I 203 — Wpim Repcit I 176 II 762 V 42, Annal I 44)

- I *h (I ipia V MI(ROPIE1LM Miqu Snip, Suiinamens soled 106 f tab 32 — Pube-*
niluituin folut inicnoubus longe pctiolalis lanceolalo-clliplicit acutis, basi cuneatiN,
iltntaio -scnuib supenunbus substbsilibu^ lmcaibu» stnualis, pilis paucis longius-
LUIS SCLUS nnigines. nenumque raccmis icunmalibus cum pedicellis patontibus pube-
IUIS scpalis laiiLloli» pubtiulis petala lanctohio - lineana acua fere aequantibus,
quain o\inuin tiiinm iqt quaiuor aequilonga bicMonbus, siliculis oibiculatis emai-
o\naiis AalMs apict brevitei c uinato-alulatit, peditellum biiperanlibus — Cre&cit
pi ope Piramanbo in Suiinam
- I L (*hleptium* >) 1MLRMI DIUM A Rich Tent n Ab\ss I 21 — Caule eiccto pe-
clali, folus inferionbus anguste lanceolalib acutis, basi angustatis et in petiolura Jon-
n^um desjiK'ntihus, pubentibus, margine intiso- ct inaequaliter serratis, supenonbus
taulmit subsessilibu-s liiciso-scnalis, staminibus 6, siliculib pedunculo pubenti bre-
\ionbus, o\ali-cumpresbiiij ghbiib, apice vut emarginatis, stjlo bioissimo acumina-
te — (res>tit in \b\bsiun* piOMiicia Tchc*likole
- 3 L (*bi\c\lium*>j AD\SSIM(LM Hoclibt Mss in A Rich 1 c — Caule cicclo lamoso
sesquipe dali lut bipcdah yUbio lulu*, nificioubite cduhnis cliiptico-lanceolalis aut
angusic lincioluub nmgiik <<iiliscitills glabn-s, scjulit Molaccis albo-marginaiis, pe-
iillii. cal\c<ni atquantibu^ >l uninibusi Z — 3 silicula compressa oibiculan, apice vix
cinai^inata st\lo bitM^miu — Instil in moulu Kulbi, prope Adoua, in Abjssinia.
- 4 L (*Ddeptiumy ALPIGL^UM* A Rich 1 c X — Caule dilluse ramoso caespitoso spi-
thamaeo puheruluiio, lulus mfcioiibu^ pinnatisccii* acutis angustis, basi m petiolum
d(iientibus pubenti-puhciultntib flonbus uunimis albido-roscis, saepuis 2—4-andns:
siliculis o\oulci«, compressis exahtis glabn>, apice attenuato ux cmarginati^, pedjcello
pubenti bKMOiibus — Cribcit m monlosi^ prouciae Ouodgerate in Ab)s>imm

- 3 I (*Ihlcplium*) AUSSOIDES Asa Gaj. Plant Fendlei 10 no 4b — Annuuni
 ^labrum caulibus dflis* conghoso-racemosis loins anguste lineibus mucronulati>,
 bisi -utenuatis mtegermms, mflms nunc pinnato-3—5-lobatis racemis denss corjra-
 hosis petnhs orbicuhto-spatnulis, caljce tnplo longioubiib, staminibus sex, silt-
 rulis ovatu> aptriis \iv cmarginati9 glabus sl\Io brevisnno — CiPscit in No\A
 Mexico
- b L TRIFURCLM Sondoi Linnaca XXIII 4 f — XufTiuliculosum glabernmuin foln»
 lincan-subulatis canaliculatis trifurcis, lobis eifcto-pituhs acutis, silicuhs oblongo-
 ovaUs icMssimo cnrnmatis, stjlo biPHS»imo lobulis subacquali — In Piomomorio
 bonae spei (Bctjei anahnd)
- 7 L (*I epidiasti um*) MYRIOCVRPUM Sondci I t f — Ghbeinum pallide vinde foln^
 omnibus hneanbus indiusis, lacemis gracilibus multidous in pamculam amplam dis-
 positu9 siliculis ellipuco - ovatis, «»plo bicMssimo apiculatis — In Piomontono bonae
 spei
- s *L CRASSIFOLIUM \ K - DC 1 c 207 no 43 >ai lamosi^tmum Boiss ft Holdi.
 Diagnos plant onent nA VIII p. 44 f — Folia infenoia maxima o\ata obtusissima.
 3 poll longn, 2 1/2 lata caiilmi oblonga, basi rotundalo-aunculata caulis a basi sub-
 divancaiim ramosissimus ampli^sunc conmbosus migit latus quam longus, flores ct
 siliquae omnino y>oc>ci — Crescit in locis saKi> hjemp inundate plantici Koniah
 inter urliem ol ladicos montis Kaiadagli

Icon addenda.

- ¹ MRGIMCUML — (DC 1 c 205 no 16) — Ton Gen pi 11 Vm bor I 167 tab 73

4934 AKTHIOSnGMA R Br.

(DC Prodr I 208 — Wlprs Report I 179, Annal I 44)

- 1 AE GRANDIFLORUM Boiss fit Hohen Diagnos plant, oucnt nov VIII p. 42. f —
 Peienne glabernmuin glauco-vuens taulibus broMbus sufTrutcscontibus ramos tenues
 flongitos Mrgatos lolioso> simpliciusrulo> ascfnndonios \<1 |>io>tatos cdcntibus, folns
 lincaibus obsolete ui>iner\u<< bisi aiionuau^ obiusm saope mucronulatis, summis
 •uigustionbii's, riccmi<> llonfiiiis laxiusculjs petalls puipmeis n\cniis integriis, cahep
 Molaceo-mgie^ccnli 3 — 4-plo longioribus llanienti^ majonbus bi>i in alam edenlu-
 lam oblique evanidam dilatatis silicuhs poilirello stiuto w> aequilongo sufTullis orbi-
 culatis lrans\erse sublationibus, bisi rotundaus supcino binu angustibimo ad medium
 usque emarginatis, lobis cmarginaiurac ampli^ lotundalis dmnoiro locuh subduplo
 latioubus scse maigine oblcgcnlibus omarginatuamque daudontibus, ala margmah a
 basi angusliore sensnn dilatati encumuica obsolete denticulalo-iepandi, stigmale
 subsessili, oculis monospermis — Ciescit in lauce Solmdpre montis Flbius
- Vai p *parviflorum* Floi es fere dimidio minoros caetei um omnia speciei — *Aelh
 fondtfohum* Hort bot plur, non DC — Crescit in Poisia et in monte Elbrus prope
 Asadbai
- ^ AE CARDIOPHYLLUM Boiss ft Heidi I c 43 + — Percnnp glabium glauco-viren<.
 »asi fiutKosum ramis ngidis erectis foliosis, supcino 1—3 racemos post anthesm
 elongatos edenlibus, folns. dcltoulou - cordatis carnosulis sessilibus ncutis, lobis mfe-
 noribus rotundatis, petahs roseis caUcc basi acquah sesquolongionbus filamentis mi-
 JOibuA alatis, sub apice laiero intenon d^niitis siliculis. pedicclo recuno us subacquali
 *»sufTullis ovalis, basi biouter et smu hto umigmato-retusis ala i basi nd ipiccm
 sQnsim dilatata lacero-flmbnaia. apice in lobos acutiusculos loculo tcquihos abentfi
 ''^lo emarginatuaiiu mulio superante oculis biovulalis — Cresrii m montibus topba-
 ceis supra mbem Bouldous Pisidiac mum
- 3 AL THLSIIFOULM Boi^s & Heidi 1 c 44 f — Pci onne glaln um glaucescens basi
 fruticosum ramis virgatis elatis teretibus fobosi* supemo paice coiijniboso-panicu-
 la^tis, folns numerosii. stnctis enervns lineanbus, uinnque angustaiis acutis, lacemis
 fiuotifens capitatis, dein clongalis petalis pa4lide loseis puipurpo-piclis. cahco basi
 busaccato ljrescenti duplo longiouis slimimbus nmonbiis ingiisic alatis, latoip m-

Inimildis ~~MLLEiE~~ dhbu- — fifsnt in iius piope Lntcbf ikilf in Vbjssiniic pro\
 Scum in
 J till (Mui(pfnUum) PI Hs1f \ Roi> u Holu n Dngnos plant OIIPM nov MH
 p 2b f — (jlibemiin | illnl Mini f Ins omnibus oblongis \<1 oblongo lincohtis
 I) isi in pi iuluni lui^i in^n i Us binsis. jbsoltte npindo cunitis supiemis lnipan-
 I HIM ol ills int< ^i is nl(ul(it T IJISI piniuihto-nmoso flonbus pillidissmn lu
 ins silnpus supi i i mm tiplUis.lmeari-lctiagonis *\ doiso conijmssis \ ildo toiulo-
 sis sd^rii < .sfss/li tpi tihl/s \ ihis < (iinilo-uninomis —Ai/mis It plvngalat quu
 lillul fjln* suiuil | inn iiii lis <ni jni-que stylo lun^iusi ulo ipirulalis — lii ilun juta
 b0ss — frtbdl in Mts.>» I inn •

4054. MORICAIVDIA DC

(DC Pi idi I 221 — Wlprs Report I 187)

1 \F f)[>fOS\ fjoiss Dn^an s phnt oripnt nov MH p 25 f — Glaboinnn glaucu-
 \HUI> b isi suffTiutiroso dumosi rmiosissmii nmis foil »sis liornotims toi tuosis ligno-
 sis <oitl((libido ^< stills innotinis \nguis flivuosis 1 lu> pn\js oblongi&^sainosulis,
 iilinonbus ot imioi um stniliuni mu^iis \«I obtuse dtnlUis bisi runoato-attenuatis
 siilifn iiol itis milirns intrgiis < ndilo implt xn mlibus oblnsjs \el luitiusrulis, racemis
 ii iMUM ilibus Im nlnis sublli \unsis. pi din His bicMssunii p< tills IOSGIS cubre bisac-
 i ilo dinudio I 1Ll nibus siliqms i n i to-ji ilulis nngustc liieiribus stylo bievi conico
 i I tus) Kiiiiinilis \ ihis i HIM tin - unim Ivns scminibus subuniseiilibiis — Ciosnl
 MI omni |i ibi i {iliici s< pi* nti inn tli < r pio^t i ju_b0 fib ad Imiilts PahPstm it

Inbus MU *MLLEiE* DC

4961 SAVIOBTYA DC

(DC Prodr I 157)

i s \Ifi\PTIW V l) f \ (no 1 — >nr *oblonga* Doiss Diagnos plinl^ OIILIII no\
 Mil p 31 -j — Mipi fclibn Men* nubs ¹/_i—2-pfdal«s siliruho pedirelld «longato
 snpn pollic in siiftuliK oblon^ip in (o\ dps b hri longu 3 Im 1 ilap Ooinid caete
 mm sppi m — (nsut mti i IIUIIMS in u<nusis \ illib Wadi Mokdlttb ju^i Smutici

Iiibus M\ *PSYCIUHEAE* DC

4962 SCHOIJWIA DC.

DC Prodr I £24 — AMpis Rppert I 188 — Jaub & Spach, Ann sc natur 13 Sei J
 XIII 364)

I SJJjcula sljlo brc\i cuspidulata.

I Si If UH\SSIf\l 1-OIIV Jiub L Sjnih III pi orient HI 144 lib 296 & 1 i 363 —
 loin tonspnut ucnUi v ropindo-di mala oblusissimi bisi bievitci aumuluta MII-
 nilac cordiio-orbuul UPS — In Anbiac films ditonc ^cmen
 i S(H GLASTIFOIIV Jiub It Sp u h 1 1 i (Uh t 297 — Fohn intogcmmi v IP-
 niotissiiino (lintKiihti ai uminuhii Insi pirlqndi bilobi sili< ulae coidito-o\ilcs —
 Sdi Arabica Hook I(pi i ^J Ii D(I t ' — In Ai ibii frliu ciescit

11 Mlicuhr slvlo lungiou rosdatao

3 SCH SCIIIMPriU Jaub a Spach 1 1 c c 145 a 3bb — Folia integeriima v lemoit
 ic obsolete denticulata fonspmio inimiinti plnaque oboiata v obo^ato oblonga
 sicutae ronhlo-oil>iruhips 9 ^j0 ^)iNls fno normilongo rostrntip — In Arabia
 peliaca

4962A. CYCLOPTERYGIIJM *Ilochstt.*

(Hochstii Flora [B Z] 1848 p 175 adn)

fa1j\ clausiN bisaccalus Silicula bnahis scpto conlianc compressa lolundata, uUnique cmaiginala, AJVIS naviculaiibus pu totam longi-
liKlinem ad cannam laic alalis, oculis pohspemns, stilus fohaceo-
(ornplanatus, losliifoimis, slmipalibus bjniis cunnnuihbus acutis [ut in
Malcolmia], septum subangusLum, funiciilis lobuslis uliinque membia-
Jiaceis Scmina qlobosj lac\ia cotyledonibus complitalis ladiculam m-
dudcnlibus — Hoies nujuscuh feic *liatsitae*, pclalis pullide purpuicis,
clandulae qualuoi, anlica et postica mcinbidii.ictat Ji^ulaefoimcs, laleia-
1<s carnosae aculae breviores. A *Scholium* D(, cm ex description?
uf finis, diffeit calyce bisaccatd, valvaiurn ala lala, stjlo complanato el
scrnmibus globosis,

1 (BRCVISHPTUM Hochsitr 1 cit adn f — C.lubomnn mnun spithamaea caule
trcssb di/Tuse mmoso folus o\aus intcegrinus infctionbus basi anguslaliib, supc-
lionbi^fcomplexicQulibus racemis oppositifoliib, axillanbus terminalibusque bre\ibu>
silicula late oibiculan, scpto bi CM, eijlo clongato septum longiudiiiio aequante \tl
supcrante — *Schomua bicviscpta* Iioch^t mss — Ciebttit in vally Ouna Arabiu
peirieae

^ t LONGISEPTUM Hochstr I ut p 17b — Gldbcriuna iiiuiii(>) cmle ciccto la-
moso biped ill vel dltrori, folus ellipticib cordato-amplcxicaulibu^ intcgcn in&> iacenus
elongatij) opposilifolns terininalibusque, siliculis o\alo-iotunclati-> t>tplo stjlum longi-
tudine pluues superOnte — Ciescit in \illt Fuline pio\iiciao Vi ibicac lledjab.

Tnbus XVI RAPHANEA DC

4970 EIVVRTHROC1RFIS *lalnll*

(DC Prodi I 228)

1 r STRANGILATUS Boiss Diagnos plant onent nov Mil p 44 + — Toiu>. pili*
nlbidis Inrsulus asper caulibus ascndntibus piotumbtnlibusque clongiti^ simpliciua-
<ulis c bas>i feic flonfens folus ridicahbus et infeuoiibus pinnalipiitills, segmentis
oblongis, sacpius jleruii profunde dmiatis [L\ hralis tciramili ovaio basi confluent]
[*etalis flavin purpuieo-\cnosis unguibub MoUiceis nl\< albo-hispido Jongionbus
lacemis loia longitudme biatteitis bnctcis oblongis vtl oblougo-hntaubub. acutt
denticulutis siliquih pedicello slucto bre\i contoilo teuninati^ adpiessc scibiib lan-
ceolaio-lmcanbus, a hlorc cunipiesjsis et uturnfuc acute caunatis, M\ scmina valdt
^irangulalis paulo supia basin niticulatis, ailicuj^ mfcuori anguslato, inagis minusvt
mcurvis, apice m loslium comcum loigiusculmn tenuo attcnuii-s — *Raphanus letui-
vatus* Del non Pers — Cresut in Aegypto el in Viabia pcliaca \tibus Palaestinam
copjosc

4972 RAPHAELIS *loumef*

(DC Prodr I 228 [exel sect II]— Wlprs Repcit I 189)

1. R ALCHIERI Boiss phnt onent nov Mil p 15 f — Animus lotus pili^
retrorsis luspilus aspei caulibus ascendenubus, tandem elongate, inftinc lamosis
loins rarms oblongis mdnisis, sacpius ljraio-pinnalipailiis, lobis OMM obtusis inc-
eulanter dentatis, termmalis ovato-oblongo majou pclilis sulphuicis oblongo-spatlm-
*atls miegris, unguo calycem bisactaium ma^is mnuis\c hispidum buperant, Mliqui^
penduhs pedicello brevi couioito suffultis. longis tereubu*. ictrorjjum singosis, a basi
tenuiou sursum incrasbatis apice uiicsiium bicviter cjlahuicuin obtu^um laeve aspei-
mum subangustatis, landun miei scinini ti uibvcibe Jn aituulos secedentibus, intus
medulla farcus, seminibu* oblongis oitliopUxus longitudmaliier sulcatis, — *Biasna*

Aucheri Boiss. — *Crescii* In Mesopotamia. Persia australi, in Galilaea in declivibus siccis monilium cl valliuira, in asconsu occidental! montis Tabor supra Dabourich et in monianis calidis prope Banias.

2. **R. PUGIONIFORMIS** Boiss. 1. c. 46. + — Anrrous: caulibu& procumbentibus ascendenti-
busque ramosis pctiolisque papillis sparsis albis brevibus asperw; foliis lyratis, lobis
lateralibus oblongis vel triangularibus remotie, ad basin folii sonsim dccrescentibus, tor''
tninali ovato-oblongo obtuso unilio majori, basi saepe conQuenti; foliis superioribus
ad ramorum basin parvis oblongo-linearibus; racemis terminalibus fru'utiferis longis;
floribus violaceis ainplis; petalis oblongo-spathiflatis, ungue calycem longum glabrum
rlausum snperante; siliquis pedicello brevi stiffaltis, -axi strictis, papitiis brevibus sur-
sum (Hreclis np«rria[ih, ima basi 9upra stfitem brevissiuMim pedioelto aequilatum ar-
ticulatis, supra ariiculationcm erases tei^tibus^ duris fungosis, sensim in rostrum
aspermum teres nidullosum a9perum longissime coiricum rigidum, apice teniissirauni'
parte scminifera triplo longius attenuatis; semibus orthoploceis globoso-subcompres-
Ms «xifnie punctulatis. — Cre«cit in lota Galilaea ecjptentrionali fl monle IthaJ>urc ad
Itanias in pinguibus herbjdis.

Subordo IT. S&WMOXtOBEAE 9€

Tribus XVII. BUNIADEAE DC.

4773. BimriAS R. Br.

(DC. Prodr. I. 229. — Wlprs. Bcprt. I. 189.)

1. **B. ARVENSIS** Jordan. Cat. des gr. du jard. do Dijon 1848. p. 18, f — Sepalis oreclis;
potalis obcordntis, calyce duplo longioribus; racemis fructiferis longissimis; pedicellis
ptenciibus fructu longioribus; sHiculis ovatis obscure telragoois subterctibus glandulis
obsitis; stylo pyramidato siliculani subaequante; foliis radicalibus oblongis runcinato-
pinnalifldis pciolatis, caulinis sessilibus Jineari-laaceolatis subdentatis intrgrisve acu-
tis; caule crecio ramosissimo vel subsimplici; rajnis virgatis elongatis erecto-patenii-
lus> — in argillosis prope Lugdunom.

Tribus XVIII. ERVCABIEAE DC.

4974. ERCCARIA Grtnr.

(DC. Prodr. I. 270. — Wlprs. Repert. II. 764.)

1. **E. MICROCABPA** Boiss. Diagnos. plant. orient. nov. VIII. p. 47. f — AMU a: caulibus
a basi subdivicatum ramosis ranisque interne praesortim papillis albis nettorsum ad-
pressissimis sparsis obsiis; foliis lupinnatisoctis glabris-vel parce papiUoaisçamoaulis,
laciniis linearibus, angulo recto a^por costum 'medium et inter fieinsideaUybs, foUorum
radicolum abbreviatis latioribus obtusis, «uperiorum atteueejis apguatatis; racemis
fructiferis elongatissimis strictis; floribus parvis roscis; petalis pWoDgo-Bpathulatis
integris, calyce glabriusculo subduplo longioribus; siliquis pedicello crasso brevi pa-
lulo insidentibus rnutissime pruinoso-scabridis glabrisve brevissimis Icngitudinaliter
sulcato-striatis, margine carioakis, articulo inferiori 2—3-spermo, valvis conyexis, ar-
ticulo superiori indclii^centi dimidio broviori monospcrmo, stylo tenui aequilongo supe-
rato; semibus parvis ovatis laevibus.— Crescit in deserto Arabiae petraeae conter-
mino et in vallibus calidis inter Sabu et 'mare Mortuum.

Subordo \m DIPIJECOLOBEJUE DC.

Tribus XIX. SENEBJERAE Meisn.

4975. «filirS}BIiERjL Poir.

(DC. Prodr. I. 202. - wlprs. Repert. I. 190. HI. 7W. T. 50.)

1. \S. PINNATIFIDA DC. 1. c. 203. no. 5. - Torr. Gen. pi. fl. Am. bor. 1.165. tab. 72.

Tribus XX. *SUBVLARIEAE* DC.4977. *SUBLLARIA* Linn.

(DC. Prodr. I. 235. — Wlprs. Repert. I. 190.)

1. *S. AQUATICA Lam. — DC 1. c. — Wlprs. 1. c. — Torr. Gen. pi. A- Americ. bor. I. 163. tab. 7i,

f Genus flublae ~~affinitatis~~.4982. *SCHMKPWWA* Uochst.

(Wlprs. Repert. 1.192. Annal 1.58.)

- 1 *S. ARAOICA Hochst. et Steud. — Wlprs. Reperi. I. 192. no. 1. — \ar. *laswcarpa* Boiss Diagn. plant, orient. nQv. VIII. p. 48. f — Siliqua tota cum rosfro papillis brevftms albis obsita. — Crescit in deserto nd fines Palaestinac cuip forma yuljjari.

Ordo XIII. *CAPPARIDEAE* * « .

(DC. prodr. I 237. — Wlprs. Repert. I. 193. II. 764. V. 52. Annal. I. 59)

4983. *CLIKOIFIBIliA* QC.

(DC. Prodr. I. 237. — Wlprs. Repert. I. 193, Annal. I. 59.)

- 1 CL. LONGIPES Torr.fcFrcmond in Hook Kew. gnrd. misc. II. 255. — Foliolis spathulato-oboivalis obiusis vcl retusis integerrimi* \el tuargiic sernilato-scabns; bractcis superioribus simplicibus; ovario stylum bis supeiante, stipiic pluries brevioro; capsula totusa subbicorni stiñile subduplo brevjore. — In Mexico ad 3t. Pablo, St. Francisco.
2. CL. OOTUSIFOLIA Torr. & Frcni. 1. c. — (Wlprs. Annal. I. 59.) — Foliolis cuneato-obovatis ohtusissimis integerrimis, supra glubris, sublus pubcsroptibus; bracteis unifoliolatis; sopalis lacerato-3-5-dcntotis; ovario slipile 4—5-lies brevioro stylo bis brevioro; capsula ... ? — In California habitat.
3. CL. ANGUSTIFOLIA Torr. fit Frcmond 1. r. — Foliolis oblongo-linearibus acutiusculis integerrimis; bracteis superioribus siuipplitibus; ovario shlum multoties superanto slipittj bis terve brevioro; capsula dilatato-rhoiboidca acuta; seminibus transverse rugulosis. — *a. Mejricana* Hoo|. Ic. pi. I. 29- p Torr 11l. pi. 4m. I. 173. tab. 75. — Western Arkansas.

4984. *YffASnD»0F£IS* DC.

(DC. Prodr. I. 237. — Wlprs. Repert. I. 193. II. 764. V. 52, Annal. I. 59.;

- * 'G. PENTAPHYLLA DC. 1. c. 238. no. 3. — Torr, Gon. pi. Am. bor. I. 179. tab. 78.

4985. *CEjKOIMra* DC.

(DC. Prodr. I. 238. — Wlpr«. Repert I. 193. II. 764. V. «p, Annal.). 60.)

1. (L. SEMITETRANDBA Sender, Linnaea XXIII. 5. f — Herbacea glabra. foliis 3-foliolatis, foliolis lineari-flliformibus petiolum acquantibus, gupreniis indivisis; racemo ^erminall; sepalis inaequalibus; petalis brejssime unguiculatis oblongis; stamini-^bus4, duobus sterilibus brevibus; sfliqls brevissime siipitmis pendulis linearibus <iriaiis glal/ris, — In Promonlorio bonne «p»i fGnnikarMier

- i* CL RUPHSTRIS sōmci 1 i 6 J— Htibaici mule lulu>, caħcjbſuſ ſuictibusquo glanduloso-pubescentibus foln<> paſi-> 1—7- foliuaſi** foliolis lineanbu*, ſupra canaliculatis petiolum aquantibus raceme teimrialibu^ ſubſcundis, flonbus bexandns, petalis bievitei unguiculaiſi ſiliqui> pedicellate pendulis ſinntis — In Piemontono bonae ſpei
- * CL. GULNEENSIS Hool* fl INi^rr Floia p. 21b f — Cuile eitcto ſmiplici \el o baſi lamoſo ſpaſe pilolo folioſo loln> tñfolontis. lloi ilibu-> bieuter petiolahs, foliolis ellipticis, utimque acuti>> irHigrinnis piloſuſculis ciliati>> podicellis axillanbus gracilimi*) glanduloso - piloliſ, ſepiliſ lincari-lanceolate, petaliſ anguſle ſpatbulaliſ, ſfinunibus 6 toro bievi jnſcrtiſ, capſuliſ <<ti>>itatiſ lineanhuſ, ſljlo gracili, vahis glabernmiſ reticulaliſ \enoſiſ. ſcmimbu>> rufliſ biſoitailiſ oibiculiſ, piofundo tranſ\ei-vim iulcatis — Hciba bipcdalu Cauli* ſulratiſ ſnpernc hiſpiduluſ Folia intel ſe confoimia, foliolis V^pol'^aribuſ peulo nequilongi*. lalitudinc >aniſ Flores 4 lm longi, petaliſ pallide puipuriſ o\ano ſianiinibiir>qui(inclu^iſ Peclitlluſ ſuictifei % unc longuſ Siliqua ſubeirni l'A unſ lonpa vahis plantſ 'j unc lauſ — Gi/nandropsu tuphylla DC. — (reſell in Sinn Leone et in Guinea
- 1 CL FOLIOSA Hook fl 1 cit p 219 f — (aule ptoſti no, baſi ligno>o, j^nuſ eiectiſ lolioſiſ, petiolis pedunculis.que dcnſ>> glandulo^o-pubſcſenlibub, foliſiſ qumqucfoliolaliſ, ſupremlſ lufoliohtiſ, loliolis bie\iſ>ſinio pclioluladiſ laic obo^aiſ obtuſiſ apiculatiſv^ utnque pube-x tntibuſ integinmiſ ſubconacciſ !lonbu> in atilliſ ſupremiſ pedunculiſiſ, ſepuliſ angiiite lincan -lanceolatiſ glanduloſiſ petaliſ late obovato - ſpathulatiſ, toio breu^inio ſtamimbuſ 6, baſi monadtſphiſ, tbcaphoro valido glanduloſo, ſiliquiſ ſiipitaiſ limanbuſ in ſtjluſ oraſſiuſculuſ obtuſuſ nnguſtaliſ. — Cauſiſ baſi lignoſuſ, rmtice pallido Raim pcdaliſ ſtuicti, parcc lamoſi folio ſi tereleſ ſtriatuſ Folia inter ſe coniormia, petiole Vj-unc longi^ Foliola petiolis aequilonga Pedunculiſ Va unſ longiſ Scaia ſubmcmbitnaea 'A-pollicaiſ m Petala (ſicca) pallide rufopurpurea, caħce duplo lou^ioia Stamina MX e\ſena (apſulae bipollicareſ, vix i lm latae, pedicello ',-unc ^uffultap, \al/i* paulo concaviſ Semma perplunma, unmaiuiſ mmuta luia — Creſcit ad Elephanſ Da\ in terra ^lg^tlna.
- > f L (*Sihquana*) HOSTMANNI Miqu Linnoca XXII 470 f— Tenerno puberula ſtipuliſ ſpinescentibuſ potioliſ.que hmc aculcolntiſ, foliſiſ inſononbuſ ſimpliciſibuſ ovatiſ acuminulatiſ, m^dnſ tñfoliolatiſ, foliolis breviffime petiolulatiſ, lateialibuſ elliptico-lanipolatiſ, niſpſio Muplo inplovp longion¹) oblongo-lanroolato acuinmato, foliſiſ floralibuſ<< corduo-o^aiitſ piriſiſ ſubſſiliſibuſ, omnibuſ integinimiſ ſubtuſ conferlim tenerune piloluſiſ ſiipn ^labuſ, lloiihuſ larcmoM*, toio bieM t\lindraco, ſepaliſ cilio-latiſ, ſihqua (flabi a gmophoiurn lut aqianK' — Cieſcit in Suinam

4988. POLASTI8IA *Schrad.*

l)(Piodi I 242 — Wlprſ Reprt I 195 V 52, Annal I 60)

- 1 P MACILATA Sondor Linnaca XXIII 6 f— Annua caule erecto, ramoſo glabro, foliſiſ 3—5-foliolatiſ, foliolis lmeanbuſ petiolum aquantibuſ, jumoubuſ puberuſ. racemo terminali ^labio, bmdcolis minuiſ ſciarcis, petaliſ longe unguiculatiſ violateiſ ſubinaequdhub, 2 anguſtioubuſ macula lutca notatiſ, ſtam 8, fertihbuſ (4) longionbuſ biliqua lmtari plabiſ IPMIPI ſtipnata — In Piemontono bonae ſpei (Mooje-nvier)

Icon addenda.

- P TRACHYSPERVIA Ton ft ui. — \mpi- 1 c I 195 no b - Ton a Gi Gen.pl Il Am bor 1 181 t 79

4969. CYRBASILM *Endl.*

(Wlpri, Reprt I 196.)

- 1 *C JAMESII Lndl 1 c. a III Emend p 1 - Torr. tea pl, fl. Am, bor I. i>7 tab 77.

4993. €% D A B % FOMA

(DC Prodi I 244 — Wlpis IUpcu I 196 V 53)

- 1 (\ VTALEN SIS bonder,¹ Linnæa XXIII 8 f- Incrmis ipctah loins pcliolatis oblongis vel obovato-oblongis obtusis emargimtisve mucronuhus conaceis glabris, flonlius axilhribus longe pedunculalis, sepalis 2 exterioribus concius, mteionbus planis suborbiculatis mucronatis, slam nectano hgoniformi collo iitiuvo, latcre flssO, ore denuclato btcca cUmdracea clongaia — Poit Natal

loon addenda.

- r LONGIFOMA DC I c no 3 — A Rich Tentam fl Ab\ss I 29 (ab 4

4995 1VIEBUHRIA DC

(DC Piodi I 243 [excl sect 2] — Wlpis Repert I 196 V 53)

- 1 \ ROSMARINOIDES Sonder, Linnæa Will 7 + — Frutico^a glabra folus 3—5-foliohtu* pctiolo multo longioubus, foholis peiolulalis lincaubus mucionatis, margine ie\olotis glabris, corwynbis tciminalibus, sepalis concaviusculis, petalis ellipticis unguiculatis cahce inulto minoiibus, o\ano olindnco longissiinc stipuato — Port Natal

4996 BOS CIA Linn.

(DC Prodr I 244 — Wlpra Repeit I 196)

- 1 *B CAPPRA Sondei, Linnæa XXIII 8 f — *Cappans undulata* Eckl. a Ze^h -- Wlprs Ropert I 197 no 4 — *fachuhna acuhfoha* E Mey — *N pcdunculosa* Hochst — *Y undulata* ZojU
- 1 ji T^LTICUI VTA Hochst niss ex A Rich Tent A Abyss I 28 — Ramuhs pubentihirlis subfulvj* folus oblongo-lanceolatib, aculis, apico mucronulatis, basi abrupte desinenlibus prai^ulim sublus cum pcliolis hnto-pubentibu^ flonbu? hn to - ferruginus numciosi^ in i lttmum compositum lanus simphtem dispositis. fructibu^ globosIN cainosis glabiis 1-sperm is semine globoso erecto — Ciescit in valle IUMI Taccazt non piocul a Tch^laicb^kanntS ci inter Maiegouagoua et Dobrasina m Abvsmia

4998 ^ A E R U A Forsk

(DC Prodr I 254 — Wlprs Repert I 197)

- 1 M OBLONGIFOLIA A Rich Tent A Abjss I 32 t 5 — *Glabia* folus oblongo-ianceolaus apice obtusis&iuis mucionulatis iniegus glaucescentibus, breviter petiolaris. l/i ad 2 1/2 unuas longis, 4—6 Imeas latis,, Aoubus ramulos termmantibus, in racemum simphecem depressum disposals, cahcis lacinus ovah-oblongis parco acuminatis, basi angustatis, peialis brevionbus oblongo-hneanbus acuminalis — *Ntebuhna* (*Cappm is rorshj ohlongifolia* DC Prodr I 244 — Crestit in montibus versus flurium Taccazl m Abjssima
- 2 M TRIPHYLLA A Rich I c I 6 — *Rainulis* ngidis pubentibus folus saepius tufololatia v ranus snnplicibus. bievissiiho petiolatis, figura vanis. foholis ovalibus obtusiusculis mucionulatis aut acutis aut obo\ahbus integns, praesertim subtus puberulis floribus parvulis pubciulis longe pedunculatis, racemum simplicem in apice ramulorum <fromantibus peialis 4 cahce dimidio brevionbus spathulato-obovalibus oblusissimis, margine smuosis coiona margmali brevi, 4-loba, lobis latis margine erosis, fructu » — Crescit in regione Nili Albi in Abyssinia
- 3 M CURRORI Hoo'k Al Niger Flora p 218 — *Gldbemma* caule tereti, cortice palhdo albo-punctato folus ad apices ramulorum sparsis breviter petiolatis oblongo-obovatis obtusis apiculatis, basi angustatis intcgei rimi* a\eniis subcouaceis corymbis axillanbus terminalibusque pauciAoris pedicellis Aoie bievionbus calyce basi anguste cylindraco, corona petaloidea subbiparlita — Rami crassrtie pennae ansennae nine

indo tumuli corlite hc\i pillidt mfi punuis **nliidi**>> idsgeiso rainulis cicatriLOsis
 Fob i unci ilii phna ^ntintt siibo inui in c iinosiili>J obiusi vel Pinirginati ipi-
 tulo icuto costi \ix pi iniiriiiJ I l< IK < Hi 3 lm long/ Alibasra ya - unci ***lia** (a|\-
 n-j tubus M(rinuiti> luifis hiirfioi — (rescit id 1 lephant s Ba\ in ipna Niguliam

5000 C%rP%RIS Linn

- (Of Prodi I *Iti* [(d sia 4] — WIpis Repert I 197 U 765 ^ 54 \nnal I 60)
- 1 C (*Eucappans*) MI Mlft IN VCI V Giidn 8L Champ in Hook Kiwgaid misc I 211 f-
 Mipuks iullia loin-* ublongo 1 mttolatis aiuininalis basi loiundatis glibns mcmbiana
 CPIS idiculuis Mibus miidis IIKIIMIIS supinaxilhiibus 3—4-->tinHs ippiOMinnti^
 pLtiolo Inplo ftit luii^ioi ibus s(pilH maigiiiL >ul lanugiuosis o\ams j,al>iib —
 Fi uu x MIIK nioMis g] ilx ii IIIII^ linn KifUs i« **iiiiitsimc** >>i i **iti** loin 4—5 poll long-I
 15 — 18 lin hit pun li 3 lin IOM^I jxdii f Hi 8 Jin lon^i sopala o^ato-ioiunddli
 J'A **Jin** longi j\k til i IIIK IN < blonga oblui>a 5 lin longa stanuna 20 encitoi long<-
 cvspiit — LitfcHI in inonU Vutona Ilong-Kong in China
- i (FORMOSV Dil/HI m Hook KGW gaid mist II 40 — Frulicosa parva ciccta *in-*
finus loins o\ itis ^l oblongis utrinque atuti!> \tl lincfohli^, jumonbus membrana-
 ius loin* titu sullito ficik dctLrgduli \oslili> \<^i(nbus coniccis glabris rtliculato-
 MIIOMS Hindis 5 poll longis Z—Z'i poll latis pedunculi^ coi jinboso-lacemosis
 puKi (J—>j-lions in mnoiuin ct ramuloium axilluium suinnutaie, pedicellis polli-
 (nibus biaclusqiK suhuhtis fi irugin« o-tomontosis llonbus amphs (diametio 5-poll)
 M)\ c IOSIS pilh U i M iuli is pUalis phnis sub nnlhi si palenlibus duobus mfeionbus an
 idpitssi^ ut in 1 lb< Hum iinpluni (.oiliii \id< uitui «tc(ioillic tupi laloideac specimi
 (*vlub< ml hbtll bisi in unli II A i pubtsf mu di>coid<a notalo lljnipniis jictalisqnt
 a<quilon^is O\IIJJ obloiifeo lomcnlo^o — Habitat in Indian oncnlilis provinua
 (in u
- J (TLNLTIV Dalzell I < 41 — 1 luticosT'glabia ramosi stipulis nculeifoimibus bicvi-
 bus UIK in His foliis brevi -potiohtis OAato -lanccolalis obtuse acuminatis glabernini^
 inunbiiincus diaphams pidicellis niifuinubus axillanbus solitorus unillons pollitan-
 bus folio biMioubus — Citscil in monlibus S\hadiP< mtci lot 16° ct 19° in India
 oi icndli
- 4 (1>HISIC VF FOII V \ Rub Tent II Yb\ss I 31 — **Glolna** aculeata aLuleis stipu-
 \-\ibus \o» m\is loins bn \Hi i \M tioliitis ohloii(o<-l mt« olalis oculis glabi is 2—2¹/₂, unr
 longis o—H lincis hlis flonbus nnju^culiM sub(>i jinbosis tcinnahbus sepalis ex-
 irrnis po lit i Iltqiu iufo-pub<«nubus _<,<.sc)t lu {cjubub pio"vinciac Ghirii nee non
 circi Vdoua in \b\>mn
- 5 f MlfIUMHV \ Hub I c — Gllutoscufo loins oblongo-ldnccolatis breuter peuo-
 hiis inKgiis ipitt basiqm obtusis apjee cimrginatis I uncias longis 4—6 linens
 inns in peliolo cl siibus pubuulis leulcis stipuhnbut. recum< llonbus 3—5 fiub-
 (Oi^inhsob nuulos pilosos icimiiiantibus podunculatis sepalis \ildc conca\is glabris —
Lrtsul in Alnsinn
- 6 (LIM \IUROLI\ Hook III \igei Hou p ^17 + - Glaberrna caule gracili scan-
 dinle* tPitli jaiu i irnoso stipulis nrulciformibus minulis MX returns folns brevitei
 pttiohlis line an obhngi-s inuiii M subcouat< i^irtte conduplictt\> integen imis a\enus
 pcduntulis mMIlljM> i\ihulu> solitaius folio iiquilongi*. biCMOibusAC patentibus
 nileiduin lamosis lluiilus | UMS (oijmbosis pidiullatis \labastus globosis sepal*:>
 ovalibus conrm« p t di c il\c< m \ix Mipn lntibu^ obu\ais stanunibus circa 15 petal-
 lit* acquilongis toro bu\jssimo instills — Gaulis ci issitie pennae cor\inae subflexuo-
 siis niKinodiiij. 'A —1 unc longis Pelioli I lin longi Folia bipollicaua Va unc
 lata siculaK Miidia Ptdunculi pu< nles in avillis foliorum omnium solitam horizo-
 aales teittes glaberrium Tloies 5—S apiCLin \cibus pedunculi crrciter 4 **lia** dia-
 nutio \ntbcaie indjiiscuh(\n phnta dioica > — Habiat in Siena Leone
- (LMBOMTV I mdl in MKCIIPII Journal of tiopictl Au&uilia p -i57 adn — Ineimis
 glaberruna l>liii lorncus lon^Hsunis lorilw obtusis, in puioIwn sen Sim angusiatis

pedunculis sulcatis; (2-poll; stipiti bicoloribus. Auci cnoideo umbonmo. — Crescu in Ausualia orientali tropica

- * C LORANTITIFOLIA Lmdl in Mitchell 1 c 220 adn — Ramosa inennis: ramuhs tomeniobi*. folii* Imcarii-oblongis obtusis conaccis glabrib sesquipollicanbus avenus, pedunculis solitarns axillaubus lopiptosid folns brtuonbus siipite duplo longiore luctu sphacrico lubriculaio glahro — Ciescil in Ausualia oneniali iropica

5004. RITCHIE A R. Br.

(Mprs Report I 201. Annal I 60)

- 1 »R ERFCTV Hook fl — Wlprs 1. c — Hook Niger Floia 216 f tab 19 20

5005 STERIPHOMA Spr.

(Wlpis Annal I 61)

- 1 'S CLEOMOIDES Spr — Wlprs 1 c — v Houtte. Flore de* serres VI 97 + tab. 564 565 — Paxt ft Lindl Flow, gard I 107 fig. 73 — No men Sprengchanum Endliche-nano longe praefendum — Cf Epikiitischcs Sendschreiben an Herrn Hermann Karaten p 1

Ordo XIV. BIXACEAE Endi.

riacourtianae Rich — DC Prodi I 255 — Dumeac Kih — DC 1 c. 259 — Wlpis Rcpert I 203 II 765 V 55, Annal I 61)

5079 FIJACOURTIA Commer*

(DC Pio.lr I 256 — Wlprs Roput I 205, Annal 1.62)

- 1 FL VOGELII Hook fl Niger Flora pa'r 220 — Aiborea dloica ramis nunc spmos- tentibus fullis aliernis petiolis elliptico-lanceolatis, apice anffustatis obtusis sei- 'aio nitidis, tianserse reticulatis racenus axillanbus hrevibus puberulis, peliolo paulo longionbus 6—8-flons. flonbus tetrameis sepalis lale o\atis obtusis cihatis, siig- maiibus 5—6 -^Rami \aluli teictes, coruce Iufo-biunneo, punctis albidis notato . ramulis sub lente pubprulis Folia 3—4 unc lon^a, l'i lata, busi subacuta, apice obtusa, obtuse seiraia. utnnque nitidn, peiolo 1/4 unc longo glabro \el puberulo ^edunculi erecti Fl ? pedicfilati, pedicello 1—2 lin longo, calyoe basi intruso O^anum subsexlocuKiro Frucius carnobn^ rubei — Ciestit ml flumen Niger in Africa iropica.

5075A. ABKRIA IlochH.

(Mprs. Repei I V 56)

- 1 A TRISTIS Sondor, Linnaea XXIII 9 f — Fiuticosa inermis ramis cinereis »bverrucosis glabns pubescentibus, folus alieinis conaceis breviter petiolatis obovatis obtusis enaargmdis marine ^ubievoluta intpgeirimis vel paucidentatis, utrinque glabris, basi tnplinerviis, »upia lutidis, subtus pallid^ peduntulis. {ft fern) a\illanbu>, unidoris peiolo 2—3-plo longionbus cahceque tomoniosis sepalis 5—6 oblongis aculis patentibus. disco aub-10-lobalo, lobis roindati*. villosi& o\ono o\ aio tunientoso !>t\hs ^ brevissiiinis cornuto — *Atclesle tristis* Sondei m^ — In Pioinoniono bonae spei ad Philippstown
- i A ZEYHERI Sondei 1 c 10 f — Aborea spino^a ramulis luteolis pubescen- tibus . folus alteinis petiolatis obovatis obtuM>, ba^i angu^latis triphnervus crenato- dentatis, jumonbus pubescentibu-*. adultis supra glabr^, flonbus doicis apelalis <i>llanbus pedunculate tomentosii masc subieinis cahce 5-fldo; stamimbus nume-

rosissimis, fern solitarns, calyce 5—7-pbjllo, sepals o\ato- laneeolatis di>co annu-
lan lobaio villosa. fructu subcarnoso dvato tomcntoso, st>lib persisientibus di\ancati;>
romnuo — *Ateleslc Zeylun* Sond mss — In Pioraontono bonac spoi ad Ciocodillnvi

5080. *RLMEA Poit*

(DC Prodr I 256)

- 1 R ABYSSINICA A Rich Twit A Ab\ss I 34. tab. & — Spinoza folns alteini&breatei
petiolalis ellipticis aut o\alibus, margme subrepandis glabns, floubus mascuhs pedun-
culate in axilla foliorum infenorom delapsorum fasciculatis, calyce 5—8-sepalo,
stamiribus numcrosis, disco hypogyno annulari sinuoso cinciis, flonbus femineis soli-
tarns; stylis 4—5 brevibus erectis, stigmatc minimo terminatis, ovano umloculan
trophospermiis 4—5 pancialibus, fructu tainoso globo^o prumfoimi, basi dihrp
persistente cmcto — Credit in Abj->j>inid

5081. *MEXICYTUS Foist.*

(DC Piodr I 257 — Wlprs Reprt I 205)

- 1 M (0 OLLASTER Lindl in Mitchell, Journal of tropical Australia p 383. adn -
Glabemmus folns linean-lanceolatis, supra gnsei*, subtus virentibus venosis, racemis
stnctis multo longionbus, flonbus herinapbi oditis — Crescit in Australia orient!
tropica

5884/4. *DOVYAE. IS E. Meyer*(End). *Gen pi Suppl II p 91 — Walker-Amolt in Hook Journal of hot III 251)*

- 1 D ZIAPHOIDhS K Mc\ mss c\ Sonder, Linnaca XXIII 12 f — Ramis albidis, folns
moinbianacdi*, bie\ilui peUolntis, ONOfs ellipticisic, inlegeiumi<> \c\ crenato - dentatis
bnsi tnplinerMib p(dunculo flor fern calycrm oequante vul longioie, sepnlis lincnn-
bus st\li> 2 di\jncali>> — *HacouUia ihamnoides* Cckl ft Zevb — In Promonlono
bonae spci
- 2 D GELASTROIDES Sonder I c f- Ramis cinereis, foUis conaccis breviler petiola-
tis, obo\atis obtusis emargmati&vc, integernmis, submargmatis basi triplinervus, utnn-
que reticulato-venosis, pedunculo flor fcmm cahce bievioie, sepalis ovotis oblongisve
acutis, stigmatibus 2 intus sulcatis — *Piockia lolundifoha* Eckl ft Zeyh mss. ___ In
Promontono bonae spei

Adnotatio *Microdrsmis* Hook fil (Wlprs Annal I b3) nuper a cl BENTHAM
(in Hook ISigr flor p '514) a /lacourtancis ad *Euphorbiacat* translocata est

Ordo XIV*. *PANGIEAE Blume.*

(Blume in Horsf a Bonnet PI Ja\an. rar 208 — Wlprs Reprt V 58)

I. *PIUWIUJnE lieinw*

(Wlprs Ropeit \ 58)

1. "P EDLLE Remw — VMpis 1 c 58^a f — Blumc. Rumpbia IV 20 f tab 178

HI HI DUTOCARPUS *Grtnr*

(Wlprs Reprt V p 58b)

- 1 H WIGHTIANA Blume, Rumpbia I\ 22 f - Ramuhs junionbus glabns, foliis elliptico-
oblongis acute serratis, flonbus subiacemosis fructu ^ubangulato — *H webrian'*
Wght ft Am (excl pleruq s>non) — Creseit in India onentali

1. II. GLAUDESCENS Blume l. c. + — Ramulis junioribus puberulis; foliis oblongis obsolete serrulatis, sulcatis glaucescentibus; fructibus brevissime pedunculatis axillaribus laevibus. — Crescit in Sumatra.

H. HETEROPHYLLA Blume l. c. f. i. 178. B. fig. l. — Ramulis junioribus glabris; foliis ellipticis vel oblongo-innecolatis subintegerrimis; floribus cymosis; fructibus laevibus. — Crescit in montibus insulae Javae.

IV. BERCRSREIA Blume.

(Illume. Rumphia IV. 23. + t. 178. C. fig. 2.)

Flores dioici. Calyx trifidus valvatus, in alabastris clausus. Petala 4—5. Squamae lineares, petalis oppositae iisque imo connexae. Vase: Stamina 4—5, petalis alterna; filamenta inferne monadelpha, antherae cordatae, basi affixae. Fern.: Stamina 4—5, distincta castrata vel antheris minutissimis sterilibus. Ovarium ovoideum angulatum uniloculare; ovulis plurimis, oophoris parietalibus 2—3 affixis, stigma sessile depressum 2—3-lobum. Fructus ? — Arbor Javanica: foliis sparsis stipulatis oblongo-lanceolatis integerrimis; racemis axillaribus simplicibus multifloris.

I. B. JAVANICA Blume l. c. f. — Arbor alta. — In Java occidentali.

Ordo XV. CISTINEAE DC.

(DC. Prodr. I. 263. - Wlprs. Report. I. 206. II. 765. V. 58^b-, Annal. I. 64.)

5027. FUMAHTA Spach,

(*Helianthemum* sect. VII. *Fumana* DC. Prodr. I. 275. — Wlprs. Report. I. 206.)

1. F. GRANDIFLORA Jaub. ft Spach, Illustrat. plant. orient. III. 73. f. tab. 258. - Frutescens: ramulis novellis simplicibus paucifloris incano-puberulis; foliis (exstipulatis, omnibus alternis, loralibus conformibus) spatulato-vel lanceolato-oblongis acuminatis, breviter petiolatis, rigide ciliolatis, adulis utrinque glabris, petiolo scabro-puberulo; pedicellis remotis glabris, calyce subduplo longioribus; sepalis externis filiformibus ciliolatis, internis corollam subaequantibus ovalibus aculis, dorso ad costas nispidulis, cacterum glabellis; staminodiis minimis; placentis bivulvatis. — Habitat in Cappadocia.

5029. HEJILATHTHBircOI Tournef.

(DC. Prodr. I. 267. — Wlprs. Report. I. 208. V. 58^b Annal. I. 64.)

1. H. (Hakmium) SYRIACUM Boiss. Diagnos. plant. orient. nov. VIII. p. 49. f. — Pungillum suffruticosum: caulibus tortuosis ramosissimis; foliis densis sessilibus lineari-convolutis, supra pallide virentibus, subtus canescentibus ramisque novellis valde viscoso-hirsutis; «capis e dumo breviter exsertis, apice 3—4 flores umbellatos edentibus. ad medium iterum apice duo folia opposita alii paulo latiora ferentibus, pedicellis crassis; petalis albis; calycis sepalis tribus ovato-triangularibus viscosissimis; capsula pedicello paulo brevior oblongo-trigona tomentella, calycem aequanti trivalvi; seminibus brunneis compressis concavis eximie muriculatis. — Crescit in jugo Libanico supra Zache in consorcio *Rhododendri Pontici*.
2. H. (*Eriocarpum*) VENTOSUM Boiss. I. c. 50. f. — Dumosum pumilum, ramis intricatis Tetuoribus albidis, junioribus puberulis: foliis navido-tomentibus. pubescentibus brevissima tomentellis, utrinque concoloribus ellipticis plants vel marginibus

<on\oluu» ^,ubui* nci\o pi^ommulo |icicuisi'». supeine ^ulcati*⁹, brtwssime pwiolulati», btipulis pani* liiangulaii-lineanbus acutis, pciiolulos paulo supeiauiibus, lacemi* brevibus lavis sotundis 3—5-flon> biacteis oblongo-lineaubus panis nim flonbus alteiiii9, podicello poj.1 dniliesiu uetto, po>iea defle\o, caçce tnplo bie\iorc, sepals c'xtus breTiler et dense stdlaio-tonienielhs, inius adpie^e pilosulis. duobus extenobus bretionbus linian-MINUS, minis iniciioiibus ovatis, cle\atinfT 5—6-nemis petalis auieis calypni puiuin txiedPiitibus. ^i^lo lleYUOso fllifonni, ovaiio adpre^e lni\»uii>>sinio. fructu nutnme ⁹ — Cre*ui m (acumme juffi Till Aiabiac petraeae in \ia mlei montPin Sinai et NucKI lo< IS lentosissimis

- 1 II (*rnoiupum*) bORGONLLM Webb in Hook Isiger Flora p 102 f — Caulc frutIOSO, ranns pilis floccosis aspiati*⁹. albidis, foliis latis o\atis et lanrfolato-ovati*⁹ acuiis pannosi> subonciviis cineico-pubestentibus petiolatis, stipule lanceolato-linea-iibu's inconspicuis caducissnms pctiolo duplo tiiijilo\e bievionbu^, caljcius floccosoinontosis, foliolis ~~huk~~ ihomboideo-o\atis subacutis dcum obtusisMmis crassis coiid(IM^ nciMb obsoli IIN 3—5 tostalo-neivoMs, pelalit auiantiacis, busi purpurasceniibus, Maniuubus o\auum ((loboMim villosuni |i| excedentibus, llhnielis ciassis purpuiei*. si\lo elongato, capsula joiunda puboscente — Afilne *H Cananensi*, scd omnibus, paitibus majus foriusque, stipulae tiassioios iKeviores, foliola calycma lanor J <i|)(c Inutl tonioisa, pct.ila •luranliata, orulo puipurgo nee luteo, stamina <id>siura ovaiio vix longiora not pi>iillum intcgnim subaequanlia, capsulae valvis late o\atis nec clipliM-5 — (ic^cil in msulis Cap Virid
- i II (*Enotaniwnj* (\LfARI LM Joid Gramcs r^colt^es au Taidm hot de Grenoble en 1849. p 1b no ') —Rnnmis leinnnalibu^ clongali;>, peditclhs luictifons reDexib. appalls InsjiiJis, «xiPiionbiii linpaubii"*⁹, inteioubus* tnplo longioribus oblique o\alis ohtusiN pi MIIN ilbidis O»OA ads acquo lon^is ac latis. apice rotundatus in ungueni lutpum bioMsMinimum desiiu niibus si\lo npicc mcras^alo staramibus paulo longiore. i iptula ovoidea lursula siminibus o\aiis obluois angulosis aeqe longis ac latis • loins pctiolutis lincan-oblongis, margino revolutis, ulrinque canscenubus pilis minuli" <lunse intercxtis baud appie^is tociis Mipuln lincanbus petiolo longiusculo saepe lutivioiibus. caulibus bieMbus lignosis tortuous lainoais, inferno nudi*⁹, ranns floufcns dscudentibus suberectis, — Cre^cu in montibu^ calcareis Delphinatus
- 5 II (*Euhehanihemum*) \I Sir ARUM Boi>s 1 c 50 f — Ban suffi ulicosum caespitosum cnulibub bicvissiiinis piosimtis lamojiit, iamis bie\ibus smiplicibus cams, folus adprese lompnioso-canis Imp.inbub \el lim nn-lunceolatis oblusiusculis, margine oiagis inmusvo rp\oluiis, ->ubius uu\o lato picnmicnlc pcicuisis, lacemis laxis scciindis biacpatis, biadoi-j tamcolaiM pedicello tnplo bievionbus, pedicellis flhfoimibus HMxuoso-rpcuivi', (al\tp longionbus, piacler louicntum breve biMpidis. apice subiiassais. paahs intense rosei^, ral^ce soanoso, fiuctifcro vcsitano, sepalis duobus i>xtciionbiis uimms oblongo-lineanbus obtusis, mbus intenonbus ovalis albid^SMi N«epe oJisoletP Pt inaoqualiei bilobis, nevis quatuor rubns validis percursis, praeiik pubem bn^isMnni toinpiielhm ad neitos longp sotosis, nprvis extenoiibu^ I iii'ip pvlorno tanlum nonulosii, cipsula tomi^itosa caUce bre\ion, semimbus tuber* (uhlo-scabiidia — fipscit in jugo Tib Aiabiac pclraeac, in collibus calidionbus Judaeae
- b II. (*Seitioms dubiae*) MTIDLM Glemcni, Alii della tcr/a nunione 517 — Suffiulicosum ascendens raiuo^is>>inum fulus oblongo-plliptKis, maiguic MV revolulis. supenonbu* augustionbus Mipulisqup Imeaii-lanctolatis ^ubcainoM-j glauto-cincieis nitidib ~~obsoleto~~ pilifcrih, ramubb Mrgatis, inpdio et nifeinc glabus Miescentibus. — Uabilal in ~~monte~~ Biocovo ad Macarscam (in Dalniaia)

loon addenda.

H CANADE>Sli Micbx DC Prodi I, 269 no. 18) - Ton Geai nl n Am bor. I 203. tab. 87.

5030 *IECHE* Linn.(DC Prodr I 285 — Wlprs Rtptrt I 212 V 58^b)

- 1 L DRUMMONDII Torr ft Gr — Wlpr* Rtpert I 213 no 3 — Torr Gen. pi fl. Am bor I 205 tab 89
 2 *h THYMIFOLU Mich* — DC 1 c 285 no 4 — Torr 1 c tab 88

5031 HUDSONIA Linn

(DC Prodr 1 284 - Wlprs Repert I 213)

- 1 » TOMENTOSA Nutt - DC I c 285 no 3 - Wlpris » c — Torr Gen pi n̄
 Am boi I 207 tab 90 a Flor New York I 80 f t ib 9

Ordo XVI. VIOLARIEAE DC.

DC Prodr I 287 — Wlprs Repert I 213 II 766 V 59 Annl I 65

5040 VIOLETA Linn

(DC Prodr I 291 — Wlprs Repert I 213 II 766 V. 59 Annl I 65)

- 1 V (*Odoratae*) CRISTICA Boiss ft Heldr Diagnos plant onont nov Mil p 51 f — Acaulis minuta stolobus tenuis folis parvis ovato-cordate obtusis crenatis tiens utrinque 4—6 obsolete latis, longe petiolatis, pilis longis albis sparsis, lacinia suprema ei ad margines praesertim obtusis folis stolonum minutissimis remiformibus stipulis lanceolatis longe acuminate, margine fimbriatis glabris fimbriatis glanduliferis dimetro transverso stipulae MI brevioribus sepalis oblongo-linearibus obtusis calicem obtusum sepalorum basin excedente pedunculis petiolo longioribus, ad medium hirsutis fructificis prosit 3tis floribus uoluceis petalis imbricatis sugmate unguiculatis — Crescit in montibus Lassiti Cretae alt 5000 ped
- 2 V THESSALICA Boiss Oc Spruner 1 c 51 f — Acaulis stolobus elongatis foliis utrinque pilis albis minutis adpresse toraentellatis ovatis, basi profunde cordatis, apice acutis vel attenuato - acuminatis circumcirca multicrenatis areolis acutiusculis, folis stolonum remiformi-triangularibus acutis pedunculis petiolo longioribus, infra medium longis bibracteolatis, fimbriatis proliatis, stipulis lanceolatis longe acuminate fimbriatis (limbus bispiduos diametro transverso stipulae longioribus glanduliferis sepalis oblongo-linearibus acutiusculis basi rargine ciliatis, floribus violaceis, petalis lateribus barbatis * minore marginato calicem obtusum sepalorum basin excedente stigmate uncinato — Crescit in monte Aeta Thessaliae
- 3 V LIBANOTICA Boiss 1 c 52 f — Rhizomate indurato sublignoso ramoso caudicibus numerosis abbreviatis, apice foliosos caespitemque formantes ceteri folis longo petiolatis ovalis acutis acutiusculis ot grotse denticulatis, basi breviter cuneatis. rarius subcordatis, pilis albis brevibus margine praesertim hirsutis stipulis oblongis vel lanceolatis ovatis glabris, in margine glandulis sessilibus conspersis pedunculis foliis quibus infra medium bibracteolatis sepalis glabris oblongis acutiusculis anguste ovatis - in margine calicem obtusum breviter excedente petalis pallidis violaceis (-vicioribus parvis ovatis) in inferiore apice rotundato stiffente uncinato pedicello fructu credo apite nutantibus capsula globosa tomentosa — Crescit in Libano supra Cedros
- 4 V (*Cyananthum*) PAPILLARIS Boiss ft Hohen 1 c 52 + — Tota pilis albis brevissimis tomentello-cincta basi suffruticulosa caudiculis basi folis vestustis obtusis apice hirsutis caespitosis folis oblongis integerrimis obtuse vel acutiusculis in petiolorum longe aenuatis stipulis papillaribus inferioribus imbricatis, superioribus unguiculatis integerrimis vel laniatis setacea metis podicollibus tomibus folia superanubua,

- reliorsuin dense hispidulis, jnfn medium biliicioolatis supulis a basi rotundata hispidula oblongo-lanceoliti[^] acuiis superne glibris pelalis Molaeus extus glabns, intus et maigme dcnsa et miiuh ilbo - jtapilosi[^] calcare obluo cahcera [^]alde excedenti stigmatate bic\uoi uncinio mpsula pedicello croclo ilevuoso sulTulta glabra — Crescit in saxosi* propi Muditi AbdilLili \nllis I oura monlis Elbius
- 5 V (*Melamum*) CALYCTINA Boiss & Ikldi 1 c p 53 f — Pciennis widis, sub lenie brevissime hutelln taudiculit bicvibus pioslratis nudis cacspilosis, cauhbus bieMSsimis foliosis folns paivis o\alis \el loiundalis remformibusque, basi rolundatis truncatis \el bievitci cunealis obiusisMmc ct saepe obsolete cicnularis, peliolo us plerumque longioio suflulut stipule digitatim 5—8-parlius lacinnis lateialibus lineanibus, nuulia pciolulata oblonga foliuiji icferenc scd nimori pedunculis longi&simi* recusa, allernc cl nniutissiiiK Jjilmclcolalis scpnli<> Idle obloiigo-lmcdiibus acutiusculi* glabrii. maigint |i nt< cili itulis app([MMLP bas>laii ob-soh te c IO^I pcnlis fl\is calycc sesquilongiuubus nuns s>u) lente bitvisMinc piuinuso-papill(inbu<>), lateialibus basi brevuti albo - harliatis ealeaic appt ndieibus eiljcis duplo longion — Ciescil HI icgiono suptnoii monlis Dauosdagh Pisidiao alt 5500 p(d
- f> V HCLDILK. IIIAW Uoiss I c p 51 | — Anni subaciulis, ad peliolos, caules et fohoiium iuaigiiM3 breviter papillosa, radeiuin glmbid loins inferioubus ovato-ronindis supponiibus oblongis, omnibus \n\si lucM^simt in peliolum allenuatis subincl[^]ns stipulis lux uibus integns, basi petioli adika<> coque brevionbus, raurus basi extern) denlieulo auelis pAluncuhs folia supcianiibus, superne 2 bracteolis sitaceis M\ peispicuis obsjiv* scpnlis glubns senulaneoidlis subincurvis acutis, basi breviter appuulieulalis ilonbus pii\is pet tllis pallide caciulcis, eahec sesquilongiobus, laic* ralibus pan< bnbaiis, ealeare oblusissuno appendices ealjcis paum excodcnli — Crescit in Kipidosis inter liutices propc pagum Kaiabaliir ad ladiees monlis Clunacis L\ciu
- 7 \ (*Lhamuuulanium*) LOUATA Bnth Plant Ilmtw 298. no 1654 f — Glabia caulibus ascpiiilonibus, stipnlis late o\alis dentulis folus late ovatis subrcnifoimibus\c, irrpgulantri palmatim 3—7-lobis, sopalis lanceolatis oculis corollae eolcaro brevi sacciformi — Ilhi/oma bievo ascendons Caules semipedales Stipulae mfenores 2 lin lalne, basi lunc auiculntae, supenoros angustiores acutae Folia infenora longiuscule petiolnta, latiora quam longa lobis o\atis \el oblongis, obtusis \el aculis, plcrisque ultra medium laminae di\isis nonnullis to men mulio bieuoubus, folia supenora saepe inflida, lobo melio moiore Pcdunculi cuca2poll lftaffi, braccolis 2 npro\imaus vel dissilis supia medium stipati Flores llaM, magmtudine V *chisanthae* Petala imberbia Antheiarum appendices \alde inacuales, supenores anthera ipsa paplo breviores, mfeioies brevissimae bulus cla\aius incurvus, aplice oblique sligmaufer, el sub pane stigmalosa lateraliier pilis reversis cihatus — Crescit ID Californiae montibus

t Species toon gatls notae.

- b V TRINERVIS Ki tbls Nedeilandsch Kruidkundig Ai chief I 357— Acaulis folia longe petiolalu hastata crenulato-serrata acutiusculn, basi in petiolum decurrentia, flores caeiulej, alte pcdunculau — Crescit in insula Sumaira ad pedem montis Merapi prope Tonjong-alam
- ^ V JAPOMCA KrtliK 1 cil f — Folia subrotunda acutmscula, profunde cordata, re* mole crenata siipulao mtmbianaccac oblongae acummaiac lacuoatae — Cresch "> horto Bogonensi insulae Ja\

t Icones addendae.

- V SAGITTATA An - (DC Piodi 1 c 291 no 14) - Torr Gen pi fl Am bor I. 186 lab 80
- V STRIATA Ait - (DC 1 c 297 no 39) - Torr Flor .Ne* York I. 73. lab. 8

5041. IOOTDIUM Vent.

(DC. Prodr. I. 307. — Wlprs. Repert. I. 221. II. 767. V. 59, Annal. I. 68.)

1. I. LINEARE Torr. — Wlprs. Repert. I. 221. no. 6. — Torr. Gener. pi. flor. Am. bor. I. 189. tab. 82.
2. I. CAFFRUM Sonder, Linnaen XXIII. 13. f — Suffruticulosum: caulibus erectis foliis-quo pubescenti-scabridis; foliis brevissimè petiolatis ovatis vel oblongo-ovatis acutis, uterque recurvo subsensatis; stipulis brevissimis; petiunculis, in axillis superioribus solitariis unifloris, apice natis folium aequantibus bibracteolatis; sepalis lanceolatis acuminatis, apice glabris, corolla brevioribus, labello maximo sub quadrato, apice subretuso brevissimo obtuso. — Pori Natal.

5041A. SOLIUM Ging.

(DC. Prodr. I. 306.)

1. S. CONCOLOR Ging. — DC. 1. c. — Torr. Gen. pi. flor. Am. bor. I. 187. tab. 61.

5041/. STECKIA Krthls.

(Krthls. Nederlandsch Kruidkundig Archief I. 358.)

Calyx quinque sepalus. Corolla. . . . ? Glandularum fasciculi inter corollam et uterque staminiferum. Stamina monadelphia, quinque fertilia cum sterilibus 1—2 alternantia, antherae nuda. Capsula unilocularis, polysperma.

1. N. SERRATA Krthls. 1. c. 358. f — Frutex quadripedalis; folia lineari-oblonga. uterque acuminata, argute duplicato-serrulata; flores axillares solitarii, longe pedicellati. pedicellis glabris; bracteae subulatae. — Crescit in insula Sumatra, in locis paludosis montium Singalang et Melintang.

5046A. PAYPAYROI A Aubl .

(Wlprs. Annal. I. 69.)

- * P. VENTRICOSA Tulasne, Ann. sc. nat. (3. ser.) XI. 153. — Glaberrima: foliis amplissimis obovato-oblongo-lanceolatis, uterque acutis, breviter petiolatis; racemo valido; floribus longiuscule pedicellatis; corolla gamopetala turbinato-tubulosa ventricosa crassissima, petalo intus plicato apiceque bifido. — Crescit in Peruvia boreali-orientali.

5047. ALIODEIA Pet. Thouars.(Wlprs. Repert. I. 224. V. 60, Annal. I. 71. — *Conohoria* & *Ahodeia* DC. Prodr. I. 312. 313.)

1. A. (CONOHORIA) REGNELLII Miqu. Linnaea XXII. 555. f — Ramulis foliisque junioribus. praesertim supra in nervis pilis levis inspersis; foliis oppositis subsessilibus oblongis acute subacuminatis. praeter basin obtusam remote subserratis membranaceo-subtus pallidis; stipulae diradiale-ovalis coccineis laevibus ciliolatis (pallidis); racemis folio brevioribus; rachis pedicellis calyceque pubescentibus; sepalis lanceolatis acutis; petalis tenerrime ciliolatis; capsulae valvis 2—3-spermis. — Suffrutex. — Crescit in Brasiliae provincia Minnae Gradis.
- < A. OBTUSA Krthls. Nederlandsch Kruidkundig Archief I. 359. f — Folia oblongo-ovalia acuminata, basi attenuata serrulata serratae; flores axillares, abortu solitarii. — Crescit in insulis Sumatra et Borneo.
- * A. HORNERI Krthls. 1. c. 360. + — Rainuli et gemmae pilosae; folia late elliptica acuminata; oeres racemulosi; sepala pilosa; capsulae ovatae. — Crescit in Borneo sylvae Poeloe-lampe.
- * A. ECHINOCARPA Krthls. 1. c. 360. f — Rami tomentosi; folia alterna oblonga acuminata basi attenuata, supra in nervis pubescentia, subtus tomentosa serrata; flores

axillares ronfeiti capsulae mollitici echmatae — frobtit in Sumatra, in syhis Toeboe-Kilangan

A BROWNEI Ki this 1 c 361 — Rarauli *el* gemmae glabrae folia oiterna elhptica« acuminate glanduloso-serrata, utrinque glabro floics axillarci racemosi sepala obtusa glabra. bracteae ovatae acutae minimae, capsula oblonga — In insula Sumatra. in sjlvls montis Singalang

Ordo XVII. SAUVAGESIEAE. *Barti*

DC Prodi I 315 — Wlprs Repeit I 225 II 767 V 60 \nnal I 72,

5050. SAUVAGESIA *Lmn*

(DC Prodr J. 315 — Wlprs Rrpert I 225 II 767)

1 S KAPPICRI Miqu Stirp Sunnamona select 105 f — Fiutjculosa erecta raniosa foili« den«?i« pnentibus pnivis lanceolate acutis maiginatis remote appresse serrulatis Mibtus pillule in petJolum bieussum latum constnctis stipulis filiformitor pectinatifidH floubus tasciculato -^el simpheiter racemosis scpalis moequalibus acuminate sonu> apice rmarcido acutis \el obtusiusculis prosulnque petalis roseis obovato-rofundaliM, onhcom ahqiud suporantibus filis puipurcis subspathulati9 obtusis numero-«fs petalis internis basi puipureis fioscit m Surinam FOCM armnosi*; savanae prope piantationcm 1 Inquietude

5052/, SCHLLRiUANSIA *Blumt*

(Dlume. Mus bot LugU Bat p 406 fig 32)

Lalv\ pputapfiyllus maequalis, deciduus, praefloratione quincunciah Pciala 5 hypogyna, inaequalia, praefloratione linbncato-convoliita, decidua Stamina hypogyna, pluiisenata, stammodia extima indefinita hneana elonpata imacohaerentia, intima qumque fertiha, lilamenta brevia, tomplanata, ba*i staminodns adliaeienlia, antlieriae extrorsae, oblongae tetiagonao basi cmaipinaliu dorso aliixap conniventes, biloculares, api(O)oio simplici deliisccrih s Ovanum sessile, uniJoculare, oophons panelaliJujs lubus Ovula plunnia, analiopa. Stylus flhformis, stigmatate obsolete Induilkulato Lapsula iignosa, 'andioecio persistente stipata, siliquacluriiiis, tnvdhis, vahis pci fcljliim peibistentem cohaerentibus Semina pliiima \al\aiiun niaigmibus intiofle|i*> afli\ a, minima, scobiforniid, trsti ntinpe nicnibianacca, lehcnlata, nucleum multo minoiiem inLudfMitc tinbiji in a(\ allmiiims oilholiopi cot>ledones bieivissnae, radícula *mnbiluo* pioxjma — Aibor Moluccana loins ad apices rarnulorum spiaalilei appioximalis elliptico-oblongis, basi in petiolum decurlentibusintegorrnni^ tiansvrsc lineato-\enobib, stipulispavis laterahbus gemims, Honbus pamculatib tormiialibus flavis pedicelhs paullo supra, basin articulatis

1 'SCH ELEGANS Blume I c p 178 no 407 f fig 3^ — in sjlvls montanli Ambomat

Ordo XVIII. DROSERACEAE *Satisb.*

DC. Prodr. 1. 317. — Wlprs. Reperi. I. 227. II. 766. V. 61, Annal. I. 72. ft 958. — Planchon. Annale* des sciences naturelle* [3. Ser.] IX. p. 79—99, 186—HOT. 285—309.)

Tribus I.^N DROSERACEAE GENUINAE Planchon 1. c. 137.

Antherae extrorsae rimis duabus dehiscentes. Ovarium uniloculare pluriovulatum. Embryo subconicus, ex albumine carnosofarinaceo magis minusve exsertus,

1. (5033.) DROSEREA *Linn.*

DC. Prodr. I. 317. — Wlprs. Reperi. I. 227. V. 61, Annal. I. 72.)

Sect. I. PSYCNOPHILA. Planchon 1. c. pag. 91.

Stamina quinque, manifesto perigyna. Styli tres, a basi bis bifurci. divisuris iterum bifidis, laciniis integris et bifidis acutis (apice? stigmatosis). Ovarium trivalve. Ovula pauca, supra medium valvae cujus-tis acervatim affixa, placenta non conspicua. — Horbae Anlarcticae paludicolae humiles ebulbosae exstipulatae glaberrimae: caudicibus abbreviatis, foliis subrotundis vel oblongis petiolo continuis, confertiuscule erecto-patentibus; scapis unifloris.

1. DR. UNIFLORA Willd. Eoum. p. 340.— DC. I. cii. 317. no. 2.-*-Planchon 1. c. 188. f
2. DR. Planchon. 1. c. f — Praeceduti affinitate proxima, sed diverse lamina foliorum breviter oblonga petiolo into plane continua. inde ab illo tanium ciliorum glanduliferorum praesentia distinguenda. — Crescit in insulis Aucklandicis.

Sect. II. ARCTURIA Planchon 1. cit. pag. 91.

Stamina quinque, hypogyna. Styli tres divisi, in stigma pluiniforme incrassati. Placentae tres oblongo-lineares multiovulatae. — Herba* Tasmanica, monticola humilis ebulbosa exstipulata glaberrima: caudice abbreviate; foliis late linearibus, petiolo continuis; scapis unifloris.

* DR. AUCTURI Hook. — Wlprs. Reperi. I. 229. no. 23. — Planchon 1. c. p. 189. f

Sect. III. THELOCALYX Planchon 1. cit. pag. 92.

Stamina quinque hypogyna. Styli quinque graeilefi indivisi. Stigmata e papillis 5—6, mollibus elongatis radiato-umbellatis constantia. Hacenta quinque lineares multiovulatae. — Herbae tropicales, altera geofitpgeo-Australasica, altera Americana, paludicolae humiles: foliis radicalibus rosulatis. humo adpressis, apiculatis, petiolo continuis, stipulis scanosis in unam intraaxillarem fibrillam nerviam concretae; scapis >acemiforis pedicellis que glabris; calycibus papillis mollibus toctis.

* DR. SESSILIPOLIA St. Hill. - Wlprs. 1. c. I. 228. no. 11. - Planch. 1. c. p. 189. f
P« omni parte minor. — Dr. dentata tinnih. — Wlpsfl. I. M8. do. 22.

Y- foliis infimis pollicaribus, scapis 6—10-pollicaribus crassis, floribus¹; conspicuis majoribus.

5. DR. BURMANNI Vahl. - (Wlprs. 1. c. I. 230. f) — Planchon 1. c. 190 f - Wghu
IIustr. of Ind. bot. I. tab. 20. flg. A. — Foliis omnibus radicalibus rosulatis cunealospatilais, lamno petiolum laium superante vel subacquante, saepius cucullata flaccid* tenera; stipulis scariosis fulvis nitentibus, potoli dimidium subaequantibus; scapulis (1—3) pedicellis que glaberrimis, his fructiferis erectis secundis calycem subaequantibus; calyce quinquepartito, ettus minute papillose intus nigropurpurescens, capijam
superante.

Sectio IV *tiOSSOLIS* Planch 1 cit p «, 92

Stnnina qumque hypos?) m Stvh ties, a basi bifmci divisuns apice clavato, indmso vcl bilobulato stigmatosis Placentae tre* plunovnlatae — Herbae cosmopolitae paludicolae cbulbosae, siepius acau-ICN mine ascendenti-caulc^centes folns saepius losulato-expansis, lorma varns, stipulis scanosis saepius in unam intraa\illaiem (mine supiaaxillarem et cnuli insertam) concietis \el sehformibus et petioli maigini semiadhaerenbus scapis nudis simphcibus vel casu furcatis I icemifei is

Stipulae supraTillares

- b 'DR M\|RITIMA St Hil — Wlpis I c I 228 no 16 — Planchon 1 c p 191
 7 DR BREVIFOLIA Pursh — DC 1 c 317 no 8 — Planchon 1 c p 191
 « DR TRINERVIA Spieng — Phnchon 1 c p 191 f — Humilis folus omnibus radicalibus spathulalo-cuneiformihus 3—5-neivns stipulis \ix ullis nisi Olamentis 2 pe- uoli basi adnatis scapis pedicellis nahcibusque glanduloso - pubescentibus anthers bre\iier vel longiuscule ovatis sugmatibus cuneaio dilalaiis obsolete palmato-lobatis ripsula trivalvi polvsperma stramibus minutis breviter oblongs testa solida minutissime puncticulaU — *Di albifloia* Herb Banks — In Promontouo bonae spei

" *itiptilis vi unam intt aaxdlcn em conspicuam concretis*

- V Folus nngis minu«<> conspicue petiolatis hmna obovata vel oblonga \el ranus oblongo- lincin
- 9 'DR PLSILLA II B Mh — Df 1 c 317 no 5 — Phnchon I c p 172
 10 *DR PVRWR\OLU St Hil — VMprs 1 c I m no 15 — Planchon 1 c p 192
 11 DR TT'SriLY H U Kih - Df I c 317 no 6 — Planchon 1 c p 192
 W DR BLRKCANA Planchon 1 c p 192 f— Pusilla folns omnibus radicalibus pan is hmna subioiunda peliolo bievore sublus nuda cilus glandulifens ejus latitudinem subaequantihus ornata stipuh* singulis acute bifldis, basi ima in unam mtraaxillaiein concretis scapis bipollicanbus giacilibus 6—7-flons calvubusque sparse et mmu- tissime subglanduloso-hnielli* shlis tubus piofunde bipartitis s\igmatibus> longe ii- neanbus, scmimbus nunUtis dlipsoideis testia alia duuuscula con conspicue rugu- losa — In Promontouo bonae spei
- 13 DR PROPINQH Rich Cunningh - Wlpis 1 c ^9 no 24 -Planchon I c p 193
- 14 DR SPATHULATA Lab.ll - DC 1 c 318 no 13 - Planchon 1 c p 193 - Folus omnibus ndicalibus spathulatis in petiolum limbo bieworem sensim angustalis, supra bieuter glandulo!>o - pilifous subtil sparse MIOSIUSCUIIS cilus margmahbus longi* stipule in umm tnfdam luimis bifli*. concietis scapis ascendentibus glanduloso- pubeiuhs \el ghbrescentibuN 5-20 (Ions pedicellis liuctileiis srcundis approtuna- tis caljet bieMonbus laciniis, cihcim» subspathulau* obtiisiusculis vel acutis, dorso puheiuli., st\hs mbus e basi bipaiuus Mtigmatibus subclavellatis capsula obovata cihcc breMoie scmimbus pllip»oideis testa solida minute tuberculata — In insul* Nin Diemen in \o\ a Camhua et in Luconn
- 15 -DR LOUREIROI Hook a Vin - Wlpis I c I W no 3 - Planchon 1 c p 194
- 16 *DR CAPILLARIS Po.r - DC I c 318 no 15 - Planchon 1 c p 194
 D» *brevifoha \$ majoi* Hook
- 17 DR COMMIMS Si Hil — wipi,, I r I 22S no 17 — Plnchon 1 c n 194
 18 "DR HIRTELLA bi ll1 - ^Jj)13 | t I 228 no 14 - Planchon I c p 195
 vai p *lulescens* St Hil
- 19 'DR MOMANA St H1 - w_p_r_s 1 c I 228 no 12 - Planchon 1 c p 195
 20 *DR ASCFNDENS St Hil - Wlprs I c I 228 no 19 - Phnchon 1 c p W

- 21 *DR VILLOSA St Hil — Wlprs 1 c I 228 no 18 — Planchon 1 c p 195
- 22 *DR TOMENTOSA M Hil — Wlprs 1 c I 228 no 13 — Planchon 1 c p 195
vir *glabiala* bt Hil
- 23 DR (UNEIFOLU. Thunb — DC 1 c 318 no 11 — Phnchon 1 c p 195 — **Folus**
omnibus radicalibus sessilibus cuneiform)-obovatis subtus nudis slipulis in unam
10-fldam concreciis scapis 3—6-pollicanbus 5—7-flons cahcibusque glanduloso-
pubescenlibus anthers breviter oblongis st\lis 3 ad basin bipanilis stigmaubus cla-
vatis inlegns \el obscuie bidcnlatis — In Piemontono bonae spci
- 24 *DR CAPFNbIS L — DC 1 c 318 no 21 — Phnchon 1 c p 196
- 25 DR CURMPCS Phmh 1 c p 196 f — Breviler ciuloscens (moie *Di Capensis*)
folns ampioumatis lamina lineari-oljo\ata subius spaise villosiuscuh peulum semi
ieretr>ni subtus unisulcum villosiusculum MX ,rollicinm fero duplo superante scapo
incurvo-ascendenie supcrne paucifloio rhacludc cahcibusque mfo-pubescentibus
sulis tnbus id biMn bipartitis stigmatibus lincan-clavalis — Hdbtat
- 26 DU MAD\G\S(ARIENSIS DC 1 c 318 no 23 — Planchon 1 c p 197
- 27 DR RAMENTACE\ Buich in DC 1 c 318 no 22 — Planch 1 c p 197 f—Caulo
elong-uo ascencdnie fero a harsi longc supia medium folns veustis deflexis tecto
folns innotims approximate patentibus (junionbus erctis) lamina anguste obo\ata
petiolo complanato (in folns vetustis serailereli) eihato vel uliato duplo broMorc
subtus pilis adpressis mtentibus oglandulosis conspersa stipulis in unam majusculam
miraauiddrom subcorneam fuham nilidam concielis scapis laieralibus apice plunflon*
st\li»» tribus ad basin bipartnis cruubus apice breviter bifldis semimbus fusiformibus
testa scobifoimi — In Promoniono bonae spci
- 28**DR ROTUNDIt OLIA L — DC I c 318 no 16 — \Uprs 1 c I #7 no 7 —
Planchon I c p 198
- M DR INTLRMLDIA Drev tt Hayn — DC 1 c 318 no 17 — Planchon 1 c p 198 f—
Glabemma folns radicalibus ro&ulalis limbo lincan obovato petiolo gracili quidru__
qmnlplo broviorc scapis later ihbi s ascendenlibus plundons bnclcolis subulatis
llonbus omnibus inlejectis pcdicelli* fructifens cicclis cilvci^ quinquopiiuti lacinus
linean-oblongis capsula anguste vel brevilei obovala brevionbus semmum testa so-
lida extus granulosa
- P *giacilis* rhizomale longiusculo scapis gracilibus tripollicanbus aicuated-ascen-
dentibus quinquepollicanbus folus duplo et ultta longionbus fructibus laxius
cule racemosis anguste obovatis calycem tertia parte superanlibus
- Y *elalior* caudice 1—2-pollicau superne saepe inciassato scapis arcuato-ascen-
dentibus qmnquepftllicanbus fructibus (in racemo 8—12) breviter ct anguste
obovalis cahcera magis minus\e superantibus
- Dr Americana Huds 7- Dr foliosa Ell**
- 30 *DR ANGLICA Huds -*DC 1 c 318 no 18 — Planchon 1 c p 200
Droseia intermedia W ft Am
var P *obovalis* Koch
- 31 *DR LINEARIS Goldie — Wlprs 1 c I 227 no <i — Planchon 1 c p 200
- B** Folia subsessilia nempe fere a basi glanduloso-pilosa longe attenuaia graminea
vernatione conspicue circmnata
- 32 'DR FILIPOBMMIS RQOn — DC I c 318 no 20 — Planchon 1 c p 201 — Ton
Pl New York I 82 + tab 10 ft Gen pi D Am bor I 193 tab 83
- 13 'DR SPIRALIS St. Hil = Wlprs 1 c I 228 no 21 = Plajchon 1 c p 201
- 34 *DR GRAMISIFOLIA St Hil - Wlprs 1 c I 228 no 20 - Planchon 1 c p 201

Sectio V *CRYPTERISMA* Planchon 1 cit p 92

Flores Rossohdum, sed slipulae tanlum in parte mfima innovatiomim
obviae r~ Herba Capensis elata ebulbosa caudice elongato, **innovatio-**
nibus **annotmis** termmahbus, conferte fohatis, folns **late hneanbus,**

petioio brevi continuis, superioribus innovationis cujusvis exstipulatis; stipulis intra folia inflata (innovationum) latentibus scariosis nitidis, in unam concretis; scapo nudo racemifero.

35. 'DR. MLARIS Cham. & Schleich. — Wlprs. 1. c. I. 227. no. 4. — Planchon 1. c. p. 201. — *D. Capentis* a. E. Mey.

Sectio VI. *PTYCNOSTIGMA* Planchon]. cit. p. 92.

Stamina quinque hypogyna. Styli tres, a basi bifurci vel alte bipartite, cruribus flabellato-plurifidis, laciniis a basi ad apicem sensim et non valde dilatatis, superne stigmatosis. Placentae tres multiovulatae. ~ Herbae Capenses ebullosae exstipulatae: foliis radicalibus rosulalis cuneatis vel lanceolato-linearibus, petioio brevi continuis; scapis nudis vel a basi fere ad apicem sparse foliatis, 1—2- vel racemose paucifloris; floribus magnis speciosis.

36. 'DR. PAUCIFLORA Banks mas. in DC. 1. c. 317. no. 4. — Planchon 1. c. p. 202. — *Dr. grauiiflora* Bartl. — Wlprs. Repert. I. 227. no. 5.
- 36^d. DR. SPECIOSA Presl. — Wlprs. Annot. I. 72. no. 2. — Planchon 1. c. p. 202. f — Caule 4—5-pollicari gracili paucifoliato, apice uni— bifloro; pedicellis calycibusque pilis brevissimis glanduliferis (non rufescentibus) sparsis; laciniis calycinis subovatis, vix acutiusculis; petalis saturate roseo-violetis. vix 9 Un. longis. — *Dr. cisliflora* p. K. Meyer (non Linn.) — In Promonitorio bonae spei.
37. DR. CISTIFLORA L. — DC. 1. c. 319. no. 25. — Planchon 1. c. p. 202. f — i—8-pdllicoris: caule folioso, apice uni— bifloro; pedicellis calycibusque pube rufidule glandulosa indutiis; laciniis calycinis ovalis acuminate acutiusculis; petalis pollicaribus (et ultra) pallide roseo-violetis calycis subtriplo longioribus; stylis tribus. ad basin imam bitartitis, cruribus vix ad quartam partem ilabellato • flsis. — la Promonitorio bonae spei.
38. DR. HELIANTHEMUM Planchon 1. c. p. 209. t — Caule *whpedali* tri— quadrifloro; rachide, pedicellis racemosis calycibusque pube rufidule glandulosa conspersis; laciniis calycinis* ovalis acuminatis acutis; petalis mediocribus. (in sicco) p'lkle roseo-violetis, calycis subtriplo longioribus: stylis vix infra tertiam partem inferiorem bipartitis, cruribus ad medium flabellato • flsis. — *Dr. qistiflora* *f. *multiflora* Eckl, ft Zeyli. — In Promonitorio bonae spei.

Sectio VII. *AHCHNOWS* Planchon I. cit. p. 93.

Flores Rosaolidum. ~ Herbae tropicales gerontogeo - Au^tralaicae ebullosae exstipulatae: caule elongato decurabente, foliis sparsis, longe linearibus, petioio continuis; racemis oppositifolii\$ pedunculatis simplicibus.

39. DR. INDICA L. — DC. 1. c. 319. no. 26. — Wlprs. Repert. I. 230. — Planchon 1. c. p. 204. f — Caule simplici (vel interdum ramoso?) decurabente vel ascendente; totius* sparsis, superiorum lamina lineari-acutissima petiolum 4—6 lin. longum 2—3-plo superante, pilis glanduliferis cujus longitudinem superantibus ornata; racemis oppositifolii* iri — paucifloris, folium aquantibus vel superantibus; pedicellis fructiferis ascendentibus vel recurvo-subreflexis; calycis quinquepartiti laciniis anguste lanceolatis obtusiusculis vel acutiusculis capsula longioribus; stylis tribus, ad basin bipartitis, cruribus stigmatosis* licis compresso-clavatis; seminibus oblongis, conspicue lineato-scrobiculatis. — & minor Thonn. & Sohm. — *Dr. hexagyna* Blanco, Fl. Filipin. (ed. 2.) p. 159. — India orientali et in Africa tropica occidentali.
40. DR. SERPENS Planchon 1. c. p. 204. f — Caule simplici decumbente. valde elongato* (interdum plus quam pedali); foliis sparsis. superiorum lamina linearis, apice in caudam* setaceam desinente, petiolum 6—8 lin. longum 4—5-plo superante, pilis* glanduliferis* ?

longis ornato; racemis oppositifoliis multifloris, folium 2—4-plo supraalibus: pedicellis fructiferis refractis; calycis quinquepartiti laciniis linearibus cuspidatis, capsula longioribus; stylis et seminibus Dr. *Indicae*. — In Novae Hollandiae ora boreali.

11. *DR. FINLAYSONIANA Wall. — Wlprs. Report. I. 227. no. 2. — Planchon I. c. p. 205.

Sectio VIII. *PHYCOPSIS* Planchon 1. cit. p. 93.

Stamina quinque hypogyna. Styli penicillati-multipartiti. Placentae tres multiovulatae. — Herba Australasica acaulis ebulbosa: foliis erectis, jonne petiolatis, haud peltatis bicurvis, divisuris longe linearibus integris vel bifurcis; stipulis in unam intraaxillarem dorsae binervatam et secus nervos cristulato-spinulosam concretis; scapis apice cymiferis.

42. *DR. DINATA Labill. — DC. 1. c. 319. no. 31. — Planchon 1. c. p. 206. — Dr. *dicholoma* Banks. 8t Sol. — Dr. *pedala* Pers. — Dr. *intermedia* Rich. Cunningham. — Dr. *Cunninghami* Walp. Report. I. 229. no. 25.

Sectio IX. *COELOPHYLLA* Planchon 1. cit. p. 93.

Stamina quinque hypogyna. Styli . . . Capsula trivalvis. Semina clavae placentis suborbiculatis affixa. — Herba Australasica humilis acaulis exstipulata glanduloso-hirtella: foliis rosulatis humo adpressis orbiculato-spathulatis haud peltatis flaccidis inermibranceis; scapo nudo pacemifero; pedicellis detloratis recurvis.

43. *DR. GLANDULIGERA Lehm. — Wlprs. Report. V. 61. no. 5. — Planchon 1. c. p. 200. f

Sectio X. *LAMPBOLEPJS* Planchon 1. cit. p. 93.

Stamina quinque hypogyna. Styli 3—5, indivisi, apice stigmatico clavellati aut capitellati. Ovula pauca in acervos 3—5 (placenta non conspicua) collecta. — Herbae Novae Hollandiae extratropicae arenicolae humiles: caudicibus brevissimis vel paulo elongatis et congerie densissima foliorum veterum inferne indutis; foliis petiolatis, haud peltatis; stipulis (summis in acervulum saepius confertis) scariosis, argyreo-nitentibus, geminis (singuli folii) in imam binervatam intraaxillarem concrete; scapis nudis racemiferis, nunc paucifloris; floribus saepius minutis.

A. *Stigmatibus papillato-pulviniformibus.*

- * DR. PLATYSWAGMA Lehm. — Wlprs. 1. c. V. 61. no. 1. — Planchon 1. c. p. 285. f

* DR. NITIDULA Planch. 1. c. p. 285. f — Pusilla caudice brevi basi densissima, superne laxius foliis parvis stipulisque scariosis atbis lecto; lamina foliorum suborbiculata longo ciliato-glandulifera, petiolo angustissimo complanato 3 lin. longo triplo brevioro; scapis pollicaribus erectis, minutissime puberulis; pedicellis (5—1) fructiferis incurvo-ascendentibus. calyci subcylindraceo, basi acutiusculo, acute quinquepartito subaequalibus; stylis tribus brevibus, stigmatibus pulviniformibus; sominum testa sordida bloevi. — In Nova Hollandia ad n. Cygnoruin.

D. *Stigmatibus linearibus vel clavellatis.*

46. DR. PULCHELLA Lohrt. — Wlprs. Report. V. 61. no. 2. — Planch. 1. cit. p. 286. +

47. DR. MIMULIFLORA Planch. 1. cit. p. 286. + — Puella caudice brevi stipulis foliisque minutis densissimo contents teeto; foliis cucullato-orbiculatis, petiolo lineari triplo brevioro, margine longe ciliato-glandulifera; stipulis scariosis nitentibus trididis. laciniis iterum bifidis; scapo sesquipollicari gracillimo, inter flores multos racemos breviter pedicellatos minulos vix ac no vix quidem pilosulo; bracteis mauluob piliformibus; petalis albis longe unguiculatis, laciniis calycinis (fructiferis) obovatis, vix

- erosis, dorso tenuissime puberulis, capsula oblonga 12-sperma duplo longioribus. — In Nova Hollandia ad fl. Cygnorum.
48. DR. PARVULA Planch. 1. c. p. 287. f — Pusilla: caudice pollicari, foliis reflexis stipulisque vestito; foliis parvis oblongo-obovatis (inferioribus subrotundis) petiolo lineari-complanato duplo brevioribus, siliis nudiusculis, supra et margine pilis glanduliferis ornatis; scapo ascendente pollicari filiformi tereti floribusque paucis minutis confertiuscule racemosis glaberrimis; calycis quinquepartiti laciniis obovato-oblongis obtusis; petalis albis, calyce longioribus; stylis 4—5 indivisis. — In Nova Hollandia ad fl. Cygnorum.
49. *DR. MICRANTHA Lehm. Pugill. VIII. no. 37. — Planch. 1. c. p. 287. — *Dr. pygmaea* Lehm. (nec DC.)
50. DR. BARBIGERA Planch. 1. cit. p. 287. f — Humilis: foliis reflexis stipulisque argenteo-nitentibus circa caudicem brevem vel elongatum (bipollicarem) condensate, lamina breviter lineari-elliptica, longe ciliato-glandulifera petiolo glabrescenti quadruplo brevioribus; scapis ascendente-erectis, basi glabrescentibus, apice pilosulis; floribus majoribus in racemum spiciformem approximatis, breviter pedicellatis; calycibus extus margineque lana crispula rufescenti-barbatis; petalis roseis; staminum brevium filamentis clavatis violaceis; ovario globoso; stylis indivisis, valvula carpellari quavis quadriovulata. — An *Dr. paleacea* DC. 1. c. 318? — Habitat in Nova Hollandia.
51. DR. SCORPIOIDES Planchon 1. c. p. 288. f — Caudice pollicari, stipulis nitentibus densissimis vestito; lamina foliorum lineari-oblonga, longe ciliato-glandulifera, petiolo duplo brevioribus, scapo bipollicari floribusque in racemum scorpioideum brevem confertis lana brevi vestitis; pedicellis calyce multo brevioribus; petalis (in sicco) dilute roseis; stylis indivisis filiformibus, ovario globoso longioribus.—

Sectio XL *BRYASTRUM* Planchon 1. c. 94.

Flores tetrameri. Stamina hypogyna. Styli quatuor indivisi, apice sigmatico clavati. Ovula in aceryulos quatuor collecta, placentis haud conspicuis. — Plantula Australasica extratropica, fructifera museum referens, acaulis: foliis rosulatis, longe petiolatis orbiculato-peltatis; stipulis in unam concretis argyreo-nitentibus; scapis unifloris gracilibus nudis striatis, floribus minutis.

52. *DR. PYGMAEA DC. 1. c. 317. no. 3. — Planchon 1. c. p. 289. f

Sectio XII *LASIOCEPHALA* Planch. 1. cit. p. 94.

Stamina quinque hypogyna. Styli tres, a basi bifurcati, divisuris infra medium 3—4-fidis, laciniis (rigidulis) apice subdilatatis. — Herbae Novae Hollandiae tropicae bulbosae humiles acaules vel e rosula foliorum radicalium caulem sparse foliatum, apice subdivisum agentes; foliis longe petiolatis, orbiculato-peltatis; stipulis in unam intraaxillarem nerviam concretis; racemis elongatis simplicibus ebracteatis.

53. DR. FULVA Planch. 1. c. p. 289. f — Acaulis: foliis petiolisque subtus, scapo pedicellis calycibusque lana brevi subsericea indutis; lamina foliorum orbiculari, haud peltata, petiolum latiusculum pluries superante; axillis petiolorum nudis; scapo ascendente 7—8-pollicari, longe supra medium 15—20-floro; racemis subspiralibus; pedicellis fructiferis deflexis, calyce brevioribus; stylis 3, bisbifidis; seminibus ellipsoideis, testa solida sublaevi. — In Nova Hollandia tropica.
54. DR. PETIOLARIS R. Br. in DC. 1. c. 318. no. 14. — Planchon 1. c. p. 290. f — Acaulis: foliis confertissimis; petiolis scapis pedicellis calycibusque lana brevi subsericea indutis; lamina orbiculari non peltata, parva, petiolum gracile multoties superante; axillis petiolorum lana densa barbatis; scapis 6—8-pollicaribus (racemo adjecto) claviciter 20-floris; pedicellis defloratis tortis. deflexis, vix rarius ascendentibus.

- 2 Jin. longis: stylis tribus, ad basin bipartitis, oruribus infra medium 4—5-fldis, dm̄-
suris saepius apice subcurieato-dilatatis. — In Nova Hollandia.
35. DR. BANKSII R. Br. I. c. 319. no. 29. — Planchon I. c. p. 29t. f — Coule gracili
1—3-pollicari erecto, in race mum 4—5-fl^{im} desinenle; foliis sparsis, longe petio-
latis peltato-orbicularibus, subtus petiolisque parce pilosulls; stipulis a se invicem
fere liberis caducis; pedicellis fructiferis patenti - erectis colyceque iis paulo longiore
pilia nitidis rufescentibus adpressis vel subpaientibus induiis; stylis tribus ad basin
bipartitis, cruribus infra medium trifldis. — In Nova Hollandia.

Sectio XIII. *ERGALEW* DC. (excl. S- H) Planchon 1. cit. p. 94.;

Stamina quinque (rarissime 7—8) hypogyna. Styli tres (rarissime 2)
m lacinias tenuissimas confervoideas penicillato - congestas soluti. Cap-
sula polysperma.—Herbae Australasiae extratropicae (unica Asiae tropicae)
hulbosae exstipulatae: foliis infimis squamaeformibus, vix conspicuis
vcl subulatis limbo destitutis (his interdum per caulem totum obviis et
more spinarum Berberidum, ramulos axillares abbreviates, foliis per-
fectis instructos stipantibus); foliis radicalibus et caulinis peltatis vel
petiolo continuis; floribus cymosis vel rarius raceraosis.

Series A. *Scutelliferae*.

Caulescenes: foliis orbiculato - peltatis, in axillis ramulum abbre-
vium foliis 2—3 instructum foventibus. — Herbae Novae Hollandiae
extratropicae occidentalis et meridionalis et insulae V. Diemen.

Peltato • orbiculatae.

- B. *DR. MICROPHYLLA Endl. — Wlprs. Repert. I. 229. no. 30. — Planchon 1. c. p. 291.
- 7. DR. MYRIANTHA Planchon I.e. p. 291. + — Glaberrima: caule gracili erecto, superne
paniculato; foliis infimis subulatis (limbo destitutis) paucissimis, caeteris parvis sparsis
peltatis cucullato-orbiculatis; axillis nudis; racemis conforte paniculatis multifloris;
floribus parvis; laciniis calycinis minutissime denticulatis; stylis ad basin paucipartitis.
— In Nova Hollandia extratropica orientali.
- *. DR. MENZIESII R. Br. 319. no. 30. — Planchon 1. c. 4). 292. f — *Dr. filicaulis* Endl. -
Wlprs. Repert. 1. c. 229. no. 29.
- «. DR. PALUDA Lindl. — Wlprs. Reperl. 1. c. 229. no. 31. — Planchon 1. c. p. 292.
- W. DR. SUBHIRTELLA Planchon 1. c. p. 292. f — Pilis brevibus glandulosis sparsa;
caule filiformi flexuoso; foliis longe petiolatis parvis peltato-orbiculatis, axillaribus
geminis; pinnula terminali pauciflora; bracteis ciliatis; floribus (non magnis) in sicco
flavo-viridescentibus, pedicellos longitudino parum superantibus; calycis quinquepar-
titi inciniis anguste obovatis, lacero-ciliatis, dorso adpresse villosiusculis; stylis peni-
cillato-multipartitis; ovario quinquevalvi, ovulis lineari-cuneiformibus versus chalazam
H. n. n. ca. truncalis. — In Nova Hollandia ad fl. Cygnorum.
- DR. WRICATA Planchon 1. c. p. 293. f — Caule filiformi vage tortuoso et flexuoso
dupli nitido glabro, vel pilis glandulosis paucissimis adperso; foliis parvis peltato-
suborbiculatis. superioribus longe petiolatis, axillaribus geminis minoribus; racemo
paucifloro; calycis quinquepartiti inciniis obovato - oblongis, oblusis, breviter fimbriato-
guati, dorso adpresse puberulis vel rarius subglabriusculis; petalis sulphureis calyce
duplo longioribus; antheris minulis subrotundis luteis; stylis penicillato - multifldis, di-
visuris. — In Nova Hollandia ad fl. Cygnorum.
- DR. DRUMMONDII Planchon 1. c. f — Flore excepto glaberrima: caule erecto sesquij-
plici simplici flexuoso; foliis longe petiolatis peltato-orbiculatis, axillaribus geminis
majoribus; racemi terminalis bifidi ramis paucifloris; pedicellis floribus brevioribus; calycis
quinquepartiti laciniis oblongis oblusiusculis fimbriato - ciliatis, dorso adpresse villosa;
petalis magnis violaceis; stylis penicillato-multifldis, divisuris simplicibus confer-
voideo-capillaris nigrescentibus; ovario irivalvi, ovulis linearibus. — In Nova Hollandia,

- fc*. DR. MACIANTHA Endl. ~ Wlprs. I. c. 229. no. 27. — Planchon I. c. p. 294.
 til. DK. PLANCHONII Hook. fl. mss. ex. Planchon I. c. p. 295. f — Glanduloso-hispiduln: caule Qliformi crecto floxoso; foliis patcnlibus longc pctiolatis peltalo-suborbiculntis vcl iransverse ellipsoideis, axHteribus geminis; floribus 2—3 ad apices caulium podtccUid subaequalibus vcl brevioribus, majuseulis, pallide flavescentibus; calycis <uinquepartili laciniis obovaio-oblongis ohtusis, breviler flmbriato-ciliatis, dorso adpicks.se villosis; stylis ramoso-multipartitis; capsula trivalvi; scminum testa laxa ultra nucleum linearem utrinque producua ei dilatata. — *Dr. Menziesii* Hook. Comp. B. Mag. 274. & Ic. pi. tab. 53. (ncc. R. Dr.) — In insula Van Diemen.
 H5, 'DR. IIUEGELII Endl. — Wlprs. Repert. I. c, 229. no. 28. — Planchon I. c. p. 295.

Series B. *Luniferae* — *Icltato-lunatae*.

Calescentcs: foliis lunalo-pcllalis, axillis ramuliferis (more praece-rlentium). — Herbae Ausfralasiae extra tropicae toiius et insularum van Diemen et Novae Zeelandiae, unica ex Asia tropicali.

66. DR. AURICULATA Backh. rass. ex Plauchou I. c. p. 295. f — Glaberrima: caule oreccio simplici vcl apice tan turn ramuloso; foliis alternis longiuscule petiolalis lunalis, longc ciliato-glanduliferis, axillaribus geminis; racemo simplici terminali laxo; laciniis cnlycinis quinque integris eciliatis glaberrimis; stylis tribus a basi liberis, infra medium penicillato-partitis; capsula trivalvi; seminum tesia scobiformi. — *Dr. petto* laris* Sieb. — In Nova Hollandia uxtratropica orientali.
 K7. DR. LUXATA Buchan. in DC. 1. c. 319. no. 27. — Planchon I. c. p. 296. f — Glaberrima: foliis radicalibus fugacissimis (rarissime sub tempore florescentiae obviis), caulinis lunatis, longc pctiolalis, parvis, exsiccatione nigrescentibus; racemo paucifloro breviter pedunculato; calycis quinquepartiti laciniis subrhomboideo-ovatis, fructiferis inferne flabdhlo-5-plicatis (in sicco), glaberrimis, apicem versus eroso-flmbrintis penicillato-multifidis; capsula trivalvi; seminibus ovoideo-ellipsoideis, testa solida minutissimae striato-tuberculata. — *Dr. peltata* W. & Arn. Prodr. fl. Ind. or. I. 34. — Wght. III of Ind. bot. I. tab. 20. D. — In India Vrieninli.
 K8. DR. PELTATA Sm. in DC. 1. c. 319. no. 28. — Planchon I. c. p. 296. f — Calycibus exoptis glaberrima: caule saepius solitario, supra medium ramulos paucos axillares agente (vel simplici); foliis radicalibus tempore florescentiae fore semper obviis, caulinis peltalo-lunatis, axillaribus geminis; racemo solitario (nunc 2) 5—7-floro; calycis quinquepartiti laciniis margine longiuscule inbriato-laceris, basi baud plicatis; stylis penicillato-multifidis, divisuris crassiuscule filiformibus; capsula trivalvi; seminibus pllipsoideis angulosis utrinque ecaudatis, testa baud relaxata rugosa.
 var. ct. *genuiaa*: calycis laciniis lantum versus margines exlus villis paucis ornatis. — In Nova Cambria.
 var. p. *Gunniaaa*: calycis laciniis dorso toto villosis (bae variant Idte obova'ta^ bilobnc vel obtusissime vcl oblonge acutiusculac), an species propria? — W Insula im Diemen.
 t8J. DR. GRACUJS Hook. fl. mss. ex Planchon I. c. p. 297. f — Glabra: caulo gracili crecto simplici; foliis radicalibus diu persistentibus, petiolo gracili longo, caulinis peltato-lunatis, omnibus exsiccatione pallide l'ulvis (nee nigrescentibus); racemo terminali laxo paucifloro; calycis quinquepartiti laciniis anirustu lanceolalis acutis, margine flmbriatis. extus versus marginem villosis: capsula trivalvi, calyce multo breviorc; seminibus cylindraceo-oblongis, bine breviter caudatis. — In insula van Diemen.
 70. DR. FOMOSA Hook. fl. mss. ex Planchon I. c. p. 298. f — Humilis. fere a rainulosa glaberrima: foliis radicalibus sub tempore florescentiae obviis, crebris pro plantae statur. i mgnis, lunatis; mcemis 3—4-floris ramulis axillaribus terminalibusque continuis; calycis quinquepartiti laciniis ovatis, margine ciliatis. adpresse villosis: capsula calyci domum accrelo subacquali trivalvi; seminibus deis ntrinque truncatis ecaudatis, versus hilum in collum brevo nrupte. testa snlirtm ronspinip linpato-scribitilnia. — In insula van Diemen.

71. 'DR. SULPHUREA Lelim — Wipr*. Reperl. V. 63. no', & -r Planchon I. c. p. 298.
 72. 'DR. NEESU Lehm. — Wlprs. l. c. V. 62. no. 9. — Planchon I. c. p. 298.
 U 'DR. GIGANTEA Lmdl. — Wlprs. 1. c. I. 220. DO. 32. — Planchon I. C. p. 2W.
 74. 'DR. HETEROMYLLA Undl. — Planchon 1. c. p. 299. — Wlprs. Reperl. I. 229. no. 33. — *Soudera macruntha* Lebu. — Wlprs. Report. V. (#. no. 1.
 ?>. *DR. PHEISSH Lelun. Pupil), plain, uov. VM. 45. — Planchon I. c. p. 299. — *Soudera Proissii* Lelun. — Wlprs. Heperi. V. 62. nu. 2
 76. OR. GALTICINA Planchon I. tit. p. 299. f — *Glaberrima coule bimptioi erecto stricto; foliis alternis crecuis, menirice pellatii iubarhicalaio-lunatis flubriatQ-^nduliferis; racemo terminali laxo, parum divide pncifloro; calycibus mngnis 5—6-partitis, lacinis lineari lanceolatis integris lacv&imimis, potala violacea wbsupep^nlibus. — In Nova Hollandia od fl. Cygnorum.*

Series C. *Erythorkizae* Planchon). cit. p. 95.

Foliis haud peltatis, axillis nudis. — Herbae Novae Hollandiae ex-tropicae occidentalis et meridionalis.

Subseries 1. *Stoloniferae*.

Foliis aliis rosulatis, aliis secus stolones (ve) rarius ramo« apice cyniiferos) sparsis vel verticillatis.

- <7 *DR. STOLONIFERA Endl. — Wlprs. 1. c. I. 229. no. 26. — Planchon 1. c. p. 300. — *Dr. porrecta* Lehm. — Wlprs. 1. c. V. 82. no. 7. — *Dr. stolonifera* Lchm.
 << *DR. HUMILIS Planchon 1. c. p. 300. + — *Glaberrima bamilis*: caule brevissimo o r*rticillo foliorum suprabasilaris surculos paucos breves erectos agento; foliis parvis verticillatis (ternisv. quaternis), breviter pviolatis lunatis (non pt'itatis); paniculae multiflorae, pedunculo basi nudo compresso, ramis fastigiatis racemiferis; floribus partibus pallide carneis; calycis quinquepartiti Incini* ovalis aculisculis vel obtusis eciliatis subintegris; ovario trivoli; stylis penicillato-multiparlitis, divisuris simplicibus. a pice non diffutis. — In Nova Hollandia.
 ?> *DR. RAMELLOSA Lehm. - Wlprs. 1. c. V. 62. no. 6. - Planchon 1. c. p. 301.
 W. DR. PENDULIFLORA Planchon 1. c. p. 301. + — *Mumilis glaberrima*: caule primario subnullo; surculis erectis, 2—3-pollicaribus; foliis radicalibus paucis subverticillato-rosulatis, surculorum sparsis, omnibus mneaio - flabelliformibus, in petiolum eisdem subaequilongum attenuatis; pedunculis ex axillis foliorum inferiorum solitariis unifloris, fructiferis subpollicaribus incurvo-cernuis; ca-sula oblonga, calyce longiore; seminibus magnis cubicis tuberculatis. — In Nova Hollandia ad fluvium Cygnorum.

Subseries 2. *Rosulatae*.

Acaules, scapis nudis.

- *1. 'DR. BULROSA Hook. - Wlprs. 1. c. I. 229. no. 36. — Planchon 1. c. p. 301.
 *2. *D. ROSULATA Lehm. - Wlprs. l. c. V. 61. no. 4. — Planchon 1. c. p. 301.
 M. PR. WHITTAKER Planchon 1. c. p. 302 f ~ Praeter pilos glanduliferos glaberrima: foliis omnibus rosulatis obovato-spatulatis, lamina petiolo duplo longiore leviter crenulato-dentata ciliato-glandulosa mambranacea; pedicellis (1—2) folia subduplo superantibus unifloris; calycis quinquepartiti laciniis lanceolate acutis integris; petalis (injujculia) lale cuneato-obovatis, calyce plus quam duplo longioribus. — In Nova Hollandiae ora meridionali.
 83b< 'DR. MACROPHYLLA Lindl. - Wlprs. 1. c. I. 329. no. 34. — Planchon I. c. p. 302.
 81. #IW. KHYTHROBENZA f-indl. - Wlprs. 1. c. I, 229. no, 35 - Planchon I. c. p. 30?.

f *Species hujus sectionis non satis nota.*

S3. DR. ZONARIA Planchon I. c. p. 303. f — Foliis rosulalis majusculis cuneato-securiformibus, lamina Inferiorum in poiololum ea longiorum angustura sensim attenuate plica tenui ejus margini parallel? excurrente notata, supra pilis brevissimis glanduliferis (Tebris ornata, margine ciliato-glandulifero rubente, subtus glaberrima niente, tenerrimè pallide virento. — In Nova Hollandia ad fl. Cygnorum.

ff *Species tharactrnbus essentialibus ignotis, quoad sectiones dubiae.*

% * DR. INCISA Ach. Rich. Fl. Cub. I. p. 102. — Wlprs. 1. c. I. 227. no. 10. — Planchon I. c. p. 303.

ST. *DR. ACAULIS Thunb. Prodr. p. 56. — Roem. et Schult. Syst. VI. p. 759.

§S. DR. DRUMMONDII Lchm. Pl. Preiss. II. 235. + — Foliis parvis oblongis petiolatis, utrinque marginibusquo glanduloso-ciliatis; stipulis scariosis; scapo simplici, apice glanduloso; floribus racemosis subsiccundis pilis longiusculis dense vestitis. — In Nova Hollandia ad fl. Cygnorum. — (Cf. p. 75. no. 62.)

fff *Species e sectione Lamprolepxdum non satis nota.*

»». * DR. PALEACEA DC. Prodr. I. p. 318. no. 9.

Species verosimiliter a genere aliena.

DR. UMUELLATA Lour. Fl. Cochinch. — Planchon I. c. p. 304. — An iorsau *Androsace?* ob folia rosulata et inllorescentiam umbellatam.

II. (5036.) DROSOPHYLLIUM Link.

fillosnarum SILL L. — *Spergulae* sp. Brot. — *Ladrosia* Salisb. — DC. Prodr. I. 320.)

• nil. MISTAMCUM Link in Schnad. N. Journ. 1806. vol. I. pars 2^{da} p. 53. — *Drosera Lusitanica* L. — *Spergula droscroides* Brol.

• III. (5037) DIOVAE. 1 Ellis.

DC. Prodr. I. 320. — Wlprs. Repert. I. 230. — Planchon, Annal. sc. nat. [3. Ser. I. IX. 304.)

I. * MUSEIPULA Ell. — Vonten. Malm. tab. 27. — Trattin. Thes. bot. tab. 2. — Torr. & Gray, Fl. of N. Am. I. p. 147. — Planchon I. c. p. 304. — Torr. Gen. pi. fl. Amer. bur. I. 195. tab. 81. 85. — Wlprs. Annal. I. 72. no. 1.

GENERA ANOMALA.

IV. (5033.) ALDROVAHTDA Monti

(DC. Prodr. I. 319. — Wlprs. Repert. I. 230.)

V. (5035.) BYBIIS Salisb.

(DC. Prodr. I. 319. — Wlprs. Report. I. 230. — Planchon, Annal. sc. nat. [3. Ser. I. IX. 305.)

Seclio I. EUBYBUS.

Stamina subaequalia. Antherae lineari-oblongae basifixae, rimulis 2 • discretis brevibus apicem versus dichiscentes. Capsula (in *B. filifolia*) bilocularis quadrivalvis.

1. *B. LINIFLORA* Salisb. Parad. Lond. 90. - DC. I.

2. *B. FILIFOLIA* Planch. I. c. p. 305. - Humilis glabrescens: foliis filiformibus neculisaimis, fere c glandulosis, vetustioribus refractis; pedicellis unifloris iripollicaribus, foliis

longioribus; floribus parvis roseis (?); antheris oblongis, rimulis 2 discretis sub apice dehiscentibus; seminibus subcubico-globosis, testa atra fungoso-fibrosa, extus lacunis irregularibus inculpta. — Habitat ?

Sectio II. *DROSOPHORA* Br.

Stamina subaequalia. Antherae obovatae oscillantes medifixae, rimis dehiscentiae 2 brevibus Jatis, apice in porum 1 at urn confluentibus. Capsula bivalvis, valvis indivisis.

3. *B. GOERULEA R. Dr. — Planch 1. c. p. 306. — *Dybs Uniflora* Endl. Icon. tab. 113. — Species indescrupta.

Sectio III. *ANISANDRA* Planchon 1. c. 306.

- Stamina inaequalia. (Antheris 2 anticis (?) brevioribus, posticis (?) intermediis longioribus.) Aniberae crasse lineares, a basi ad apicem attenuatae basifixae. Capsula bivalvis, valvis indivisis.

4. B. GIGANTEA Lindl. - Wlprs. 1. c. — Planchon 1. c. p. 306. — Elata: foliis crebris pedunculisque (praesertim defloratis) erectis; sepalis 3-nerviis capsulam subglobosam obtusam subnerviam multo superantibus. — In Nova Hollandia ad fl. Cygnorum.
5. B. LINDLEYANA Planchon 1. c. p. 307. f — Elata laxa foliosa: foliis fere omnibus pedicellis erecto - patentibus (his defloratis saepius patentissimis); sepalis quinque-nerviis, capsulam ovatam acuminatam, conspicuo multinerviam multo superantibus. — In Nova Hollandia ad fl. Gygnorum.

IV. (5038.) *RORIBUIA* L

(DC. Prodr. I. 320.)

1. R. GORGONIAS Planchon, Ann. sc. nat. (3. Scr.) IX. 307. f — Foliis lineari - gladiatis integris dense ciliato-glanduliferis; racemis (floriferis) spiciformibus paucifloris; sepalis linearibus, eximie setaceo - cuspidatis, margine villosis, bractea subulala brevioribus, petala acuta subaequantibus; antheris obverse cunealis brevibus, apice truncatis. — In Promontorio bonae spci.

+ Pamassleae*

5039, *PARHTASSIA* Tournef.

(DC. Prodr. I. 320. - Wlprs. Repert. I. 230. II. 768. Annal. I. 72. ft 958.)

1. *P. CAROLINIANA Michx. — Wlprs. Reperl. I. 231. no. 8. — Torr. Flor. New York 1. 83. f tab. 11. ft Gen. pi. fl. Am. bor. I. 199. tab. 86.

Ordo XIX. *POLYGALAEAE* Juss.

(DC. Pr. I. 321. - Wlprs. Repert. I. 231. II. 768. V. 63, Annal. I. 73. & 958.)

5647. *POLITICATA* Linn.

(DC. Prodr. I. 321. — Wlprs. Repert. I. 231. II. 768. V. 63, Annal. I. 73.)

1. P. (*P*ychanthus*) DECORA Sonder, Linnaea XXIII. 14. f ^ Caule erecto virgato tereti puberulo; foliis allernis petiolatis lineari - lanceolatis lanceolatisve, basi angustatis uninerviis glabris, superioribus puberulis; racemo longissimo, pendunculis adscendentibus bracteas acuminatas triplo superantibus; carina cristata, alis sub-

- oibiculaiis capsula obovata glabra longionbu-^{*} lationbusque »pjniibus oblongis mgn> pubescentibus — Habitat ad Port Natal
- 2 P (*Polygalon*) CONITARPA Hance PI no\ Aust Chin diagn. ined p 16 — Cuu-
J/bus erectJS virgatls subangulatis simplicibus foliosis, no\ellis puberuljs; folus elliptic[^]
oblongis ovato - lanceolatis v exacte o\atis mucronatis pallidis venoso - reticulatig
brcM&siue petiolaiis, margine bubrevoluus uinnque glabernmis, racemis laterahbus
et terminalibus 3—b-flons laxi> folns breuonbus v longionbus, bracteis aetaceis
ciliotis demum dtciduis pedicellum acquantibus \ parum superantibus, aJUs basi tuj-
obhquis et gibbis \cnosis membranaccis glabns acutis carinam cnstatam capsulamguc
i oiundatam glabram late alata apic emargmatam superantibus — Crescit in ins
Hongkong ad cacumma montium — Corolla rosca, alls albidis mclusa Carina-galeata
ilmbriato-cristatu Capsula brevipedicellala, alis loculos \ix laütudino adaequantibus
Semina lutcola, pubentia, caruncula dimidio longiora P *Sibincac* L et P *Japomcar*
Ilouit proximo affinis Capsula , cremocarpium" plantae cujusdam Umbeliiferot
simuldt.
- 3 P RUPICOLA Hochst 8c Stead mss ex A Rich Tent fl Abyss I. 36 — Caule bns,
sufflme[^]icente ramoso diffuse, rattiis aficendentibus pubentibus, folus altemis parvulis
\ix pftiolatis elhptico-oblongis, apice macronatis pilosiascnlis, 4—5 lineas longi[^]
1% ad ^xl% linc68 latis. racemis simplicibus multifloris terminahbus. bracteoLs tiibus
vald* decidig, maigme tenui-membranaceis. calycis glabri alis ovalibus obtusis, bati
unguicularib. vindi-\enoei9 carma enstata, ensta muhiflido-partita, capsula ofcoralt
oblonga, apice emargmata. in ambitu margteata, glabra — Crescit m allis montis
AmbalRtcha prounnae Tigre¹ et oiroa Memsali et ID rimis rupiura mediae et superior is
itgioms [^]optenti junalis montis Selleuda in Abjssjnia.
- i P (AMP^tSTRIS Dalzel m Hook Kew gard misc If. 40 ~ Herba 4—5-uncials
mnua glauca caule credo t>reti pubescentp basi parce ramoso, ramis adsconden-
fihus lofns subbessilius glabns lineanbus, basin versus altenuatis, apico mucio-
nulis m<a,üiii)Ub recurvis, flonbus mfeioribus 1—2 sohlams extra-axUlanbu[^]
tnbiacicolaiis ceruuis supeiionbus racemosis multifloris, racemo supranxillan n-
iüDsimo opposinfolio folio unciali 3—4-plo longiore. alis fohaccis oblique ovatis
mucionulntis rapsula longionbus. sepalo supremo ciliato, carma cristata, capsula
tubrotunda obliqua emarginata, margine ciliata — Afflms P *Wightianae* — Habilai
in Indiac orientalis pro Mataan
- 5 P (*Tunutua*) SORORIA Miq Stürp Surinam select pag 32 f tab 8 — Annua
ramulosa caule stiolalo glabro, foljis sparsis anguste lineanbus acutatis avemii
glanduloso- nrc pellucido - punctatis. recemis flpiceefermibas densiuscuhs ovatis.
demuni elongate floi ibu« deciduis breniter pedicellate. sepalis duobus anticis Qlliptico-
lanccolatia subacuiis, basl \ndulis glandulisque 4—Gsubmde obsoletis jnsLructjs. caete-
iiim violnceis, poslico paulo longiore eglanduloso, ahs oblongo • obovatis obtusis trl-
neivus roaooMlolaceis, bast pallidis capsula iitunqubisenato-glandulosa, semi-
nibus anguste conicis acutis rcstroiso pilosis — Cres>cit in Surinam, Joden-Savanna,
locis arenosis
- 6 P HOSTIMAPsM Miq 1 cit p 33 + — Annua eiecta, basl vel apice ramosa caule
angulato, folus sparsis, infenonbus subellipticls, reliquis elliptico-hneanbus et lancec
latis acuiis camosis suba\enus obsolete pllucido-punctaiH, summis squamaeformibts!
latcmis subdensis oblongo - pji amidatis, demum elongatis, flonbus brevisMme pedi-
(dlntis albidis, alls unguirulatis o)>0\aiiH concavis semimbus conicis retror^e pubes^{*}
ctntibus — Crescit in Surinam
- 7 P (*Senega*) LINDHEMERI Asa Gnu, Uost Jouin of nat lust VI p 150 — Pubescens
caulibus e radice incrassata lignea pluniws folios folus alternis iubsessilibus cona^{*}
eels utrinque Teticulatis mudis cuspidato-mucionatis. imis obovatis. superioribus p^{*}
datim ovatib oblongu et lanceolatis, racemis teiminahbus demumque laleralibus lax^{*}
lions, rbaclu gemcolato- flexuosa bracteis pams ad nodos 3 persistentibus squaiDOsa<
pedicellis brevissimis sopalo [^]upenoie bractnformi a Aorc oubdistnnte alis spathulot^{*}

- m (limulio brewonbus orint imberbi cmta cnlcanformi aycta; capsula inomatuift pilosula — Habitat in republics Texina occidentali
- 9 P CUCLLLATA Bnth Plant Horlw 299 no 16bl - Diffuse pubcidla folns ovahbus \cl oblongo-clhpticis obtusis rcuisis\c ricomis brevibus pluriftons, sepalo mflrao basi gibbo, alts oblongis canna imberbi apice in cucullum oblongum producla — Caules ramosi prostrati basi breviler pprencnes et subhgnosi rainis herbaceis tenuibus 4—6-pollicanbus pubscscntibus Folia brM^sime pctiolala, infenora parva ovata, . tnpriora 6—8 lm longi apice rotundati ul snepe emarginata, basi cuneata, margi-riib'us leviter recums impunciata utnnque MI idia, supra puberula subtus icrc glabra Racemi teiminales bie\es, 3—6-flon ebiacteiti Pedicelh 1 — 1¹A lin longi Floras (rosei?) 4 lin longi Sepalum extcnus feie 2 lin longum basi concavo - saccatuni oblongum, 2 supenora piulo minori cl dimidio angusiiora, omnia membranacea colorata, 2 laleralia (alac) du]lo longiora lenuiora oblique subobovato-oblonga, alas corolloas aLqiantn, canna paulo breviora Pelala laieralia (alae corollinae) lanceolata basi brevitoi cannac adnti Canna anlicc flssa, supra basin dilatata, ad medium tonstricta dcm abrupte dilatata subrhombca, apice in cucullum erectum obovato-ublongum obtusum producta Gemtalia baud attingunt ad basin cuculli Filamenta UMUC id stricturam cannae ei adnata dein libera Stylus superne incrassatus flexuo-'> apice dilatato-tubulosus, ad maiginem truncatum stigmatifer Ovarium siipilalum Cipsula subsesbilis orbiculans emarginata, tonuissime puberula, 2 lin longa. Semma ntiorsum pubc^centia, caruncula sua subtriplo longiora Adsunt ctiam ad ba^in lamoiium folialoium racemuh bteves fractifcn, quibus capsulae paulo minoics quam iliac racemorum terrainalium ot >erosimililer e floubus apetalis natae — Crescit in (niformae sylvis prope Monteicy.
- > i> PETITIANA A Rich 1 c 37 — Annua caule orecto gracili, basi simplin superne parco ramoso b—10 uncias alto, vix punctato-pubfrulo folns alicmis subses&ilibu« ingustt lance ulatis acutissimis glabns, 10—15 lineas longis, 2—3 lineas latis raceme clongaii!> niultillorib lateiahbus. ilonbus pedictllatis caljci^ 5-sepali alis obo\ali-oblongis obtusis, basi sensun angustatis, 3—5-ncr\ii8 corollao alis duplo longions canna nuda ednstaia capsula oblonga subsessili glabra apice emargmato-bidenlata roargme nicmbrana dconstituta — Crescit prope Tchc'lalcbekanne', non piocul a ^alle fluvu Taccazd, et in piovmcio Cbire, prope Gafta in Abvssmia.
- 10 P (*Blephandium*) MJTANS Hook fil Niger Flora p 222 — Annua pubscscens caule erecto parce ramoso, folus oppositis patuiis subsessilibus lineanbus vel hnean-lanceolatis obtusis, utnnque pilosis, racemis a\illanbus erectis 8—10-flons, folns dimidio brevionbus, flonbus imbricatis deflexo-nutantibus, scpalis ext libens, int late elliptico-Ovalls birsuuis ciliatisque capsula pilose bre\itor oblonga profunde emarginata >, long'onbus, caiina dorso longe cnstata — Caulis graCilis spxunciahs, patenlim pu-be scens FollQ uncialia, 2—4 lin lata Racemi /* unc longi Flores albidu \cl 11 v;re8centics . 2—3 lm longi, alis obtusis — Crescit ad Accia in terra Nignliana DO^Hoo,1 fil ' c p 222 — Caule suberecto gracili puberulo, folus plunmis all ornis lineanbus, utnnque an gust a lib subacutis vel obtusis, obscure puberulis unicol]V>S< mar & mil)US VIX lecuus lacemis termmalibus gracilibus muluQoris. pedi- que>s basi tiibracteolatis, flonbus mejusculis nutantibus, sepalis ext libens. alis obh- ju .obovato-rotundatis, basr angustalis cihalil capsula quadrata emarginata pilosa pio longior, bUSf canna doiso cnstata — Caulis simplex. 5-unciahs teres Folia omniQ cco(nfo)mia erecta pollicuna 2 lm lata. obscure puberula, subtus unicostatn, j t ^crnodus >4 unc ion?IS RQcemi 3 termnales, i uermedio biunciah 20-aoro, lateu- 1) ^ fibbre\iais Florum pedicelli gracillimi Alae 2 lin longae tiliatae Capsula 12 su-quadra<ta, anguhs rotundatis — Crescit in Sierra Leone (') . LoURhRIf Oardn a Champ IU Hook Kew gard mij,t I 242 f — Caulo a basi ^hrauioso suffi uticoso %irecto ramis teretibui pubescentibus folus, ovato-lanceolate br* oblongs acutis apiculatis, basi obtusis, supra glabns lcliculatis, subtus puberulis. be t-viter peulatis, racemis lalerahbus el tennnalibus mullilloris folio longionbus pu-be scennbus, bractcolis lineanbus deuduis, alis o\atis obtusis glabns, capsula orbicu- ll.

- Iiti hlo ihn unārgimLa ghbi i \ mlr ljiihMnl»u — Suffi no\ <.miip dilis d alii)i
 loin 15 Im longi 6 Im hn MI>I i MIIH wide Himilaii subtus pilli h margine
 sulu(vuJuUi • aljeis sopal t duo (\i« HOI i ublon^i < b iisi ghbi I imi^nx cilidia corolli
 IIIK ins id \II nl m d<< IIII MN (ü mi uMtiti c ipiul i suboibiuihn Jim Inla ca-
 i uijtil i sunims pilOM In ll ior — *Pol mala Sibnua* MM ji l our — \ P *conucmpa*
 piutis Liuljiiino Jo noils tHIFu l — (M sui in nx nle Aittuni Hong Kong
- JJ P OJIGtNTUt \ Kali lent JI VIMSS I JH f— Hums *jriultbu** ticciis puberulis, *pung*
 SIIJSDIII entile f» Ins alt< iiii» hnuohlit sul>atuti> lasi ittcnuaiisdbrovi^simepeli*o*
 nifligiui ciliolalis Uouhus \IKU1»US ptdicellatis glonurula is glomciulis 2—4-ftorl*
 «xiiiixilloribut ahs obo\ nli-oliloiigis sulilalcitis matquilater pilosin margine altatis/
 cirnia UMilliJUJo< usioia capsuJa ol longi angutta tpicc cimi^ni i(o-cordata villosa
 uliaia ixnlia slnttii uhiis dens.* SCIICCH — (uscii in jiooxiiKia (boho \bjssiauc
- It V OIWML VTV llocl^t DUS tx \ Kicli l t 39 — tniim c\uli tiocio basi sira-
 [lici p(irc i TIIIO-SO rtuu-> tioitis pubenli hnugiiio i. folns ilicim< lanceolalis, sup-
 ptinc biMqut ungiistilH tuiui-innbianaccit (heddis unrgmc tilling i litium flori-
 Itns infcnunbiis axillanbus brmssnnts pimiflon* uno c suptnoribiis multo longion
 mulo niulnnoro bnctcia perttMentibus alls un^uirulati^ o\alibus obtusis^iinis r^licu-
 I uo vtrvosH glabris corina mulullclo-cnstata tapMiln < Uipticis ipite cinargmato-ror
 I itis niurgine QIAUN oilinti&quo seminibus sotosis — *P pundatu* fiotlist mss —
 (iisut in plamtie *ana* M<nisah JM iioonle Stlliudn ct pi ope TeliUaitbiHnnnd non
 piocul i \ die fluvii *Tncca/6* tt alibi in Ab\<>siin
- 15 V OL VIITINI V\ \ A Huh 8c Dill — (Wlpis IUptert I 232 no 13) — A Rich
 lent II Ab\» I Hi lab 9 — *P sphenojtua* Fusm Mus Senkmb II ^74 — VVIps

5649 COHESPEBMA Jainll

<IH hodi I JJ1 — WJpis Rcpit I ^42 \ b^ — Siooi7 in I thin Phril Pitiss II
 p 291—315)

Sectio I LUCOMLSPEHMA Sleetz) c 295

(nhus txitini stpala tna subacqualia, duo anlica et unuin poslicurn,
 ilis tjiplo qundiuplo\c bre\ioia

§ 1 *hiecta* (aulo LILCIO sulTiulicoso plus minus>c ramoso folioso,
 ijs oJ)O\alis, apice olidibus basi aLtcnuatib, Jilanif nlis basi monadelphis,
 supia iiii(diuiii (JidddpJjhs, uliuuqiit aiithuis 4 substs^libu^ lernuiiaais;
 st>Jo \ci^us jpium cunalo

- 1 f R&ILSM Libill Nov Hull II 22 t 160 — DC 1 c 334 — *Se-Uz* 1 c f.*
 Gltbnnn Folns oblonp!> oblusis basi alicnualis margine plams llonbus copymbosH
 (on^ebtis pedicellis florLS acquantibua \el paullo superanlibus hrfttte^ mimmis *obtu*
 siUMUIS \ubiequilongi< Mylo apice brevmsime bilobo semimbus cttuncufa *destit*
 l> — *t tomputa* SHII mss in Willd lib 13033, — In Nova ilollaodia (Botonj *bay*
 Port Jickson; in iiMula DUUKDM
- t C LVTItOLILM suti/ I c f— Glaliium foliu hnc<>olatis acutis busi *attenuata*
 miigine icll'xi.* llniibui icccmosiis congestis pi dicellis ftore* pnulla siiprantib'u*
 bncitis mimmis ddili jiiitrrn In lawrulibn* diiplo lougioie slyJo *n IC* bre\JS*iid^
 bilobo — *L calymuja* IJuci Fib — Ilnbilil m insult Ditmensi
- I C ACLTIFOLILM sudz 1 (^6 f — Gilinum \<l tuilp ltvissime puberulum *folle*
 tpaIMs oblongi!) vcl iniLtiibus nuuunilis mai^inc ullcvis flonbus lacemosU *laxus*
 ulis |tdicellis, llortjj Mibifquuiibus brictus minimib ucutu> meimedia *lateralibus*
 duplo longioie «t\lo nj ice bttvi^init bilobo beinimbus carunculatis — *Habita*
 in No\at Hollondnc oia auslro-oncntnli
- l I MNUII\FULILM Cunnigli inss \v Slctz I c 297 + — Glabium ^ol caulfl *le*
 \6SIIM. pubcutilum iolnsfonfeiiissimisiubmbiicdiis linearibus imicron itis basi ^u-
 >is mufne into usoluiis Uor>hu< rncosis *contgesus* pedudlis floies *ubaequan*

Mm, biauci* minima uuui HUCIUMMIII latialibus: duplo tentfora, sljlo apice bi<> Mssiini bilobo — C *itmfnia* Bnuix HF* — In \o\ae ffollan<Uae <ra auitro-otientali > (I RK< INLM DC I c 3J4 — sicct7 1 c f — Glabrun \el aaperulum fehn Bparw ungušie lineanbus aMire\iati» mutionatK moraine retolutts flonbus rappmow laxi* [müiceUi* flor<< subaequaniibus bracieis mmuiis acuminain, intermedia lalcrabbu< duplo longion oauubu* dnitiu* pei sisieniibu» sulo apice breMSSimo bilobo somuubus carunculoiis ~ (*con fa la* Ihi,(l in** — I »n«i««<n<i Bauer nrn — *J p f d a* f*B*nsku Jrq uiss — In No\o llohudn auslm-oriPiitali

t fONFEnTLM I ibill >ov llml II 2* t Ifil — DI 1 c 334 - Sloetz 1 c 298 † → Gflbtum M-I pulK *k<> luh> coulctiM clongaio -luiddiibus mutionous, margine *st* revolulis lloilms iddinoM-, dinht tongt^iii IOSCSIS pedicellis nores subofquaniibus hiacteis Qimminaiis niuimedn huidlibui nunutissimis multolKS longioic shto npui liroxitiMine bilobo Mminibus tiuntuULis — t *lonq\folia* Sleuth 1 1 c 206 — In No vae Hollundiie oia austio-oueniali

^ *hirdhim* — C *hi)tula* Sleud 1 c 209 — C Micma Bauer mss
 * C ACTROSLM sic el» I c 299 f — GJabium folns coBtfertifi lineanbus subtnngoms *pungenti-* icuminitis flonbus incemosis. lavmsculis pedicellis flore paullo brevionbus *sepals* pMrinis) hits \ildo obtiims cuina in nplce *6adH6* corniculata stylo apice *h* bilobo — In i\o\i HoHandia ausiro-occidentali (i^annver)

H (*LI\UM D(I c — Meez I c 300 f — Delcsc Ic sel HI 1^ t 20. — Glabium fylns COMPI us eloiigato-Incuibti? obiusjuscus subenerviiti margmo plants flonbus SU)HOI WILICMS flavis pedic<llis (lores sulisUpernrflibu^ binctcn nunuils acutis inicnnciln litonlibus duplo longioie st\lo apice brovissime bilobo semmibus <ailin- 'ula dtsinuti> — In Novae Uollondnc oia oneotall

Q L XANTHOCARPUM Sleud 1 c 209 — Sleela I C 300 f *- Glabrun folds coiifoi- lis elongato-lineanbus ocutiubculis subnonns, margine arete revolutis floribus raco. nio>is ila\ib peditelhs (lores subaoquandius bracieis mlnulis aoutls Intermedia latt- nlibus duplo longioie %\n t\|iu biPVISMIHC bilobo semimbus enrunonln desiiiutis — L *fld* a 1 udl Finim pi Iu^r p ? — In NOAI Ilohndn austio-occidentali!

10 (NK UNUUM links mss M D(I o - Mtcif I P 301 f — Iispiduhnn r/tmn di\aiitalic loins contains I uo ovutis miKionaiis ha<i oUenuati\ margino plants lion- bus rniunotis secundis pedicollis HOILI subaequnnlibu^ bratieis inmutis o\ain acu- tis, mid undid laleralibus duplo longioie suo apice biorun — In No\o Hollandia •rypita ad 11 Lnllunour

11 i URUAIMO\DI Meclz I c 301 f — Iispidulum ramis eipclo-pamli> fobis tfon- f<St*• oblongis obiusis basi auenuitin, mnrgmc plank* flonbils inftmosis pedioplis *Hvres* pnuiio suporantibus braclPis pacvis fliflorniil>us Intermedia lalcralibus duplo •ongioie siv\6 apice btovisRime bilolxt — In Not a Hollandia austio-occidentali

S 2 *Jolubiha* Steet/ 1 c 302 — Cauli¹ ^olubih plciunqne *||h *ibacco plus min<s\e* ramoso parce folialo, flonlius lave racciiosi^ *l\l\at* (natis ^asi unKuiculatis, filamentis basi monadelplu^ ^eisus *medijum* bieviter diadelphis, supra medium libens, *siylo* medio gem- culato, *apjee* bic\ilor bilobo

u c ^0It|ILL Libill I c 24 I Id) - I(I t - Slut/ I c 302 f - T\labrum *f*uis sporsib lincan-]oi)C(oJnls siu IIIPIIJIU> iciitiusiulis in peuoliini itlPnuati-* mnr <^ne plmis racenua pluriim^ brL\ibu>» palonlibus simplmbus axillaiibus ppidillis lioiob MX dequanlibus brocipjs glubns minimis cailucis miPimedia laicrtlibus paullo ^{lo}>giore sepaln 3 eticrub obiusis petnlH B ontlco matlmo eoeruloo poMuis 2 apiu ^{ll}<^escntlbu9, basi medio tenus clllatl- — In No^a Hollandia lustio- orl(ntali

P *mutanlha* flonbiis duplo U>c minoribus rn<cmmipio brmionbiH *f*u e *simper* gemlnis — Van DUmen* I-ond

15 < TORTIOSIM Sii>cf 1 c 303 f — blabium Tolus spisia lux m\ms oblusi *u* obli *si* aitenuatis, margine plains, lacemit plunmis elongqiib frectiusoulis tortumalibus paucis axillaubus peihce!i<. flores subipqinntibiis \e! paullo wpuanlibufl bracieis *v* minimis diuuv per<jisipnlilu<. iniiimi In h<i ibluis piullo longioro ^opabs 1

- cvierni* olitiiMs, peialis 3, QUUCO Inaunio cociuWo po<>ili* 2 coeuleicentibus, bust
 mtdio tenus ciliatis — In Nova Holhmlii iistro-occidentali
- U (FILIATUM Steetz 1 c. 301. f - Ghbium folu<> sjnrsis nunuti* ngidis ncutis subu-
 laus cibdtis, racemls crocus teiminjlibus elongate pedictllis flores paullo superanti-
 bus brocteis ciliatis fliliformibus laducis, mtermuln htcialibus tuplo longiore, sepals
 J exlerms aculiusculu, pcinlis 3 antico mawmo coeuilco \<l bkolon, posticis 2 intus
 dense borbaus — In No|i Hollndia nusiio-occuhntili
- 15 (IWTGCnimiLM Hull in *llugol* Enum 7 — Steetz 1 c 303 f— Globrum velji<
 apice caulis paico puberulum rigidum folus spaiti^ lincnubus obtusis racemis <M>
 gaitis ciecliusctilis laxiusculib pedicellis flore pjullo bicviunbus puberulis; bracteis
 puborubs minimis caduclssimis subnequilongis sep.ilis 3 cxiernis obtusis ciliolatis.
 petdlis 5, omnibus flavis, posticis 2 basi medio tenu utiinque dense barbatis, laterals
 bus 2 ^ccessorus minutis — *C senndens* Steudel 1 < 2tl — In Nova Hollandia au-
 sii o - occidentali

Sectio II. ISOCALYX Steetz 1. c. 306

Calycis externi sepala tria subaequaha, nompc duo anha et unum
 poslicum, alis nonnisi paulhsper breviora. Alae basi ungmculatae
 Filamenta basi monadelpha, versus medium diadelpha, supra medium
 libera.

§ 1. *Subheibacea*: Cauhbus subherbaceis simplicibus v. paice ramo-
 sis, folns mfenonbus conferlis, supenonbus mmonbus et remohs,
 felylo apice curvato et bicruui.

- 10 f. CAIYMDGA Labill I c 28 I 1W - Df I i — Sled7 1 * 306 f — Glabrum
 si\c parce puberulum indice himpbcu, caulibus niUttndcniibus, racoim<> simplicibus
 rontractis folu^ rnulims mfeuoriluis lanrcolatis aculo, supcioribus setaceis bracteis
 mentis sopalis cxlunis obdiMiitculis — *L isocalyx* Spi S\<tt \og III. 172. — In Van
 Dicmens Land
- 17 C. STRICfUM Endl I c — stteiz I r d07 f— Globrum sive paice pubciulum ia-
 dice himphci. laubbus crectis, racemis lamosit, folns cnulini^ mfenonbus ldnceolalis
 .itutis, superionbus lincaribus sive setaceis, bracleis acuminaiis sopalis extcims acu-
 uusculis — *C tinws* Steud I t 2W — *C vanans* Sieud J » 210 — *C paiviflora*
 Steud 1 c 210 — *C sylherbacca* Steud 1 c ^11 — In No\|a Hollandia austro-occi-
 dentali
- IS f NUDILSCI^UM DC 1 c - Steetz 1 c 308 f - Gldbiuin radice muhicipiti.
 caulibus subeieclis viigalis racemis snnplicibus laxiusrulis folns omnibus angusle
 lincaubui \cl scticeis aiuiis^ biacicis sopalisque evtornis obtusiusclilis — In Nova
 llohndia

§ 2 *Su/Intluowm* (aule sufluitico so ramosissimo, loins minimis
 lemolis^bhlo apice cunato bicMssime bilobo

- 19 r SCOPARILM Sten7 J c 109 -J — Glabrum vel scibnusrulum folns minimis aculis
 aicte nppicibus, lloubus aillaiibus scssibus solilanis biacteis sepalsique cxleiiis
 ubtusis » utullalii — In ^vva llollandia ausli u-occult niuli

Seelio III *UfSEPALLM* Steelz 1 c 309

Caljcus exterui sepala duo mapqualia, auticum latins apire bilobuiti>
 poslicum angustius 0]>ice intepium, utrumque alis tnplo quadruplove
 bie\ius tilamonta basi monadeJpha, supra medium diadelpha, utnnque
 anUiens 4 subsessihbus terminata stvlus \eiusus apicem cunatus bre-
 \issjme bilobus

- 20 C. CORMCUI \TLM Steud 1 c ^OC - Sleciz 1 (310 f - Glabrum folus con-
 ferlis abbcuatatis linporibus subingoms obiusiubculis flonbus lacemosis confortis, p^
 dteq is oieq i requnantibus, bracteis laiciahbus minuu^ mtPimedia elongata multoUea

- brevioribus; lobis sepali amplexibus oblucissimis; carina in apice corbiculata alba brevior. — *C. rictna* Bauer mss. — In Nova Hollandia atistro-occidentali.
21. *C. AEMULUM* Steud. I. c. 208. — Steetz I. c. 310. + — *Glabrum*: foliis confertis linearibus subtrigonis natis; floribus racematis laxiusculis; pedicellis flores aequantibus; bracteis linearibus intermediis longioribus plus duplo brevioribus; lobis sepali linearibus acutiusculis; carina in apice clauso gibbosa alia subaequilonga. — In Nova Hollandia austro-occidentali.
22. *C. VIRGATUM* Labill. I. c. 21. 1. 159. — DC. I. c. — Steetz I. c. 311. f — *Glabrum*: foliis confertis linearibus subtrigonis sive planiusculis obtusiusculis; floribus racematis conferlis sive linearibus; pedicellis longe brevioribus; bracteis linearibus intermediis elongatis multoties brevioribus; lobis sepali linearibus obtusissimis; carina in apice clauso gibbosa alba rotundata alis paulo brevioribus.
- a. *simplex*: Foliis angustis flaccidis laete viridibus; racemo elongato angustulo laxiusculo; floribus parvis albis roseis, carina inferne rosea, cucullato bracteis viridibus. — *C. simplex* Endl. I. c. 7. — *C. rosea* Steud. I. c. 207.
- β. *contracta*: Foliis paulo latioribus rigidiusculis viridibus; racemo abbreviato, floribus paulo majoribus 2 lin. longis pallide roseis; bracteis glaucis. — *C. contracta* Steud. I. c. 210. — *C. laxiuscula* Sieudel I. c. 210.
- γ. *lonybracleala*: Foliis angustis flaccidis, in apice aeriformis racemo vix conferto et elongato; floribus majoribus 2 lin. longis pallide roseis; sepalis bracteisque glaucis. — *C. longibracleala* Steud. I. c. 207. — Habitat in Nova Hollandia austro-occidentali.

Scelio IV. COMESPERMASTRUM Steetz L. f. 313.

Calycis externi sepala duo inaequalia, anticum majus apice bilobum, posticum angustius apice inlogrum, utrumque alis nonnisi dimidio brevius. Filamenta basi monadelphia, versus medium breviter diadelphia, supra medium libera. Stylus versus apicem curvatus breviter bicurvis.

23. *C. RAMOSISSIMUM* Steud. I. c. 209. — Steetz I. c. 313. f — *Glabrum*: radice multicipiti; caulibus scandentibus virgatis; racemis simplicibus terminalibus; foliis anguste linearibus vel setaceis acutis; pedicellis brevissimis; bracteis sepalisque cernis acutiusculis. — *C. megaptcryga* Steud. I. c. 207. — In Nova Hollandia austro-occidentali.

Speeles non satis notae.

24. *C. SIMIAEROGARPUM* Steetz I. c. f — *Glabrum* erectum: caule leni striato parce ramoso; foliis minimis acutis arrectis rigidis bracteisformibus dissilis; racemis terminalibus paucifloris; bracteis parvis diutius persistentibus; capsulis suborbicularibus omnino non stipitatis. — In Nova Hollandia.
25. *C. SYLVESTRE* Lindl. in Mitchell. Journal of tropical Australia pag. 342. adnot. f — Erectum a basi divisum. caulibus pubescentibus glabris; foliis oblongis mucronatis; racemis corymbosis terminalibus; bracteis deciduis; corollae lobo medio integerrimo. — Crescit in Australia orientali tropica.

Indescripta

- C. CORIDIFOLIUM* Cunningh. in Fields-Trav. 317. — G. Don. Gen. syst. I. 363. ~ In niubilibus coeruleis Novae Hollandiae.

5652. *MLOmnXA Rz. Sf Puv.*

(DC. Prodr. I. 338. - Wlpr. Repert. I. 245. II. 769. Annal. I. 75.)

1. *M. MEMBRANACEA* Niqu. Siirp. Surinmens. select, p. 30. f — Ramulis petiolis foliisque junioribus in nervis tennerrime pvanescens-puberulis; foliis alternis breviter petiolatis,

tenuiwr mcbinnatus ulimque nihdis (Ihpino - < bk I Lls niiniiniis b'si acniis |i| i Ilo Mibcuneitis \cnis senis \cl ni i i> mu |nIII> i inutnis t imi^mc aicmiiin junciis lacemis terminalibiis-' alls < \it > lotnnd ills MIMIIIS < mm |Pfilishuii IIIH lintari-spiihulntis OIIUMS iilnt i ml. In loin I iimliliu* o\ ||i^ i liusm^rili*. media conca\alo) fiuctu I)< il t alo. wntli ti ns\usi ntnosa rUuulan apico inufilial) — Lie-sin in Sniiuiiu

5652/, I*OFHOSTYMS Flochst

(Wlpris Report V f7)

I WGLbTIFOLIAHochsl - Wlprs Report > 67 no 1 —A llu h Tent fl Abjss I 39 i 10 — *Suuudaca hngtpedunculate* Frs Mus Senktb II ?75 — Wlprs I c ! 216 no 1

5653 SECURID %c % Linn ')

DC Piodr I 340 — Wlpr» Rrpert I 246 A 67 Ami il I o

s HfTLISA 13nth in Hook Keu gard rai->c II 210 +— Condons ^ldbi i \ Niimmiti-ultut) MX puberulii foliis tenuibu* o\atis ohliisissuni** ICIUMS\I ills oibicuhitis rarun I it i apicc M\ tuloln plu Uo cr^ldli >ot ills supcuoubus orbnuldliis — Foln I — I'/ pollicana — Habitat in Jrasilioc piu\ Para
s HFLSCLNS Sonil **J imiac i** |||| 546 f— >uitKO>i scamkiis Minis pinnuh (iljLibiisqui IOIK nto icnuissnuo luUscenle \estiis. ft Ins pituuhlis i\ilis \c\ oblongo-\iis bisi iculis apite siibauminilib snluuiicois HIKUIIIIS siipi I nuid^ sublu* il|i>ss» pilosis infiM tnlibus i iteniis .hxnisculis (. IMIIMIS (Minis ills oboMitis hbiis nngini ciliulilis. carn * \tn& j,h]>n inlus |ik >iusenli — Vflius videlui -S > unuf huu St lid — (u Mil in I MHliat pn\nun Mim> Geiucis
I s IOSIM VNM Miqu Sliip Surimmins *stUti* p 30 f — Ramulis pdiolis ct m-]> < sa ntn tumi ntdlis foliis J>rL\nci pi uolatts malibns obliisi Qpuulfiis basi rolundild UMter curdiis v<I eranigmnlis sublus Jiallidioribus, ulnngie mlidit pirtequo pubtrulis rntcmis ixillanbus el Kimniolibus paniclnnni aprgiegilis' s<| ills liibus pilosulis uhs> unguiLiiluis oboNdio-iotunddiis npit.6 pubeiulis potalu la> idlibu^ taum- que spaise pilo^ulis hujuo lobo incdio phcdlo-tiirililo — (lestit in Suiimn

5659 TRIGOXI% Aubl

IK Piodi I >7l — Wlpi* Rtpcn I 248, Anrnl I 7b — I mnaea \MI p 27 sq)

- 1 TR WMHOWI \ Grkt Linnara |||| **3i** f — **Foliis** oblongis \el obo\ aio-elliptici* unmmalis supia glbdiis Miblus, n ui scenti -\el cano-flid\escenti- tonif utosis breviter piiiiohiis — CiLsm id* up is Humims Sauntcae superions ct 11 Cossepoeiekieck
I TR \ V^ri(LL VIV r.islxb I HUM, i \ \ n 20 f — Ramulis adpip^w mveo-lanugip⁰ⁿ sis cilvcibusque cxius innno-toniuiiosis foliis o\ah-oblongis ulnnque **roundatO*** oblusii ipitt miuionulaii* snbse^ilibus supn pubeiulis Mroiilibus sublu<i **adpresso*** niveo lomenlosis tom* nlo supi i \cnas pnnnins subiuu piommulas noiMimque **ex-** uiisu flonliis liisd ill (i fiMiouti^ <i_i_") n Ii i^ in i in mum racomis in **paniculaa** dis>posiis pedictllis abhiMiiis Initecol uuni limnimu nnjori floitque **superatus.** cipsuh ' — (nsui in **Binfiliiif** proMncia Bihio ad montis Serra \ciuna
3 TR HYPOLELCA C.isbdi I r JO f — Riinuli« pubnulis cal)ubiibquc exlus mean©" pubesctntibus loins ellij u is i| u ul His phrolalis supia glibns mlidis subtus *^* prcs!>i lanuginc n\ci> pube (nn\o \tui>gie Mibius pi oniinulis reliculaus exanida

') Spuindara *pamfolt i ntmceu hmfnulia floul mula* < I muciphylla in Report I 246 ft 247 no * 10 11 i^ ^ n cnimirnlac Mini tinidem *Signunae* generis **uotat** species cdsu **nil irtunu setuudaii*** adscupiai Bnih in Hook kew gnnl **misc II** ^10 adu

Horibus intriculatis fiscuulit 3— 1-lions in lacemum, racemi9 in panieulam di>positis pedicelli* cihum su> K qiantilm^ brariohs lineares breves duplo suporontibus (iptuh — i rescii m Gmnin au^rica ad flumen Essequibo

Ordo XX. TREMANDREAE /< B>

D< Pi (ill I 343 — Wlprs Report I 249 II 770 Annal I 7b)

5644 TETRITHECA Sw

(Wlprs Repert V 68)

- 1 T LPII oniOIDI s sioa/ — Wlpi* Repert V 69 no 9 — Stolz in I dim Phnt l'ieiss II 233
 P *hnsuia* — *T hirsuta* Lndl — Wlprs, Repert I 249 no 6—7) *llugehi* Hoit — 71 *jloubumia* Hoil
 i *T RLBRIsrT\ Lmdl — Wlprs Repert I 249 no 4 — Steetz 1 c 234 — *T am tent a* SioM7 — \ Iprs I c V. 69 no 10

5644A PIATYTHKCA *Sondet.*

(Wlprn Report V 70)

- 1 'PL (iMIOIDrs Suetr — Wlprs Repert V 70 no 1 — Meetz in Lelnn Plant Pi tHs II 234 — *Telmthcti uUicillata* Paxt Mag of hoi Splbr 1846 no 152 (c i<) *rchathua sputosa* Hoit — *liemandra veiticillata* Hort — Wlprs Annal I 76

5645 TREMWBRA R *Bt*

(I) (Pioili I 344 — Wlpris Rcpul \ 70 Annal I 76)

- I 'TR STLLL1GERVR Bi — DL Piodr I 344 — Steetz in Lehm Plant Pieis* II 234—7/ *opposilifulia* btretz — "Wlprs Repni V 70 no 1

Ordo XXI. PITTOSPORAEE R:BV.

Puttcil in NMPis Repert I 250 II 770 V 71 Annal I 77

5661 PITTOSPORU9E *Solund.*

(Puucil,, in Wlprs Repeit I 250 V 71 \nnal I 77)

- *P (*Eupiltosporum*) JA> VM(IM Blunic, Mus Lot Lugd Batav p 159 no 361 — *Jtea Javamca* Ulunio, Bijdi p lbO — *PseudUui Jamaica* Hassk Cat pi hort Bogor p 160 — Afflno *Pittosjwio loulmiulo* W ft Am i quo podunculis colfcibusque tonienlosis capsuhisqye puly>pcimis iliflnl — Ja\ a
- I P PLRVILLEI Rlunie 1 c p 159 no 362 — Fols lanceolalis \ elliplico-lanteolotis (2— J poll longis. 1—1'/j poll liti^) utnnque subneutis corinct^ inn gommia mai- k^be roolulis glahiis niulis umbtllis u rniinalibus soliniis. bn\isMmi pdunculatis * sessilibuS pautiflons caljce bie\i qumquefldo o\aiii<j ^labus — In Mada- gascaria
- ‡ P TIMORFNSF Blume 1 t p 160 no 363 f - Foliis lanocolatis (3 - 7>_a poll longis i-Z poll htis) .icutis bnsi in \Hlu>|um ingust His conaceis integernnis. maimo undulJlis gUhiis jumunlnis ^iibiui impnnu-, m ntivo medio petiolisqye fueiescenii-pubeiuli" umbillis lon,iusiult peduiicuhtis ^onfertis subteimmahbus

- i |||co)>ie| quinquecentaio o\uus luitionlosis caj i-ulis o\oid<is mijusculis glibr t̄>
 iig-ulosis bivahibus polyspermis vilvis crasissimis corcalis — *St nan a undulata hen?*
 {me I am) — *Anassera Rumphn /ipp* mss — In calcams insuht Timor
- i P \BYSSINBUM Hochst mss ex A Rich Tent fl Abyss 1.41 tab II — Folus in
 piu bupenori ramulorum approximate flugia maxime \iuis obovalibus obtusissimis
 mi (lhpiciis acutiş aut subhctoldtis glabns comceis mtegris breviter petiolalis
 flotilus viresceniibus iacunum tPiminaltm bicveni ramo<um depreßsum eflbrmantibus
 pulunculis sepaisque pubentibu* petals oblong glabns *aculis* capsuJa globosa
 jisifoimi conacca pilosiuacuh apice apiculata bivalvi semimbus in singulis vahis
 Z — 3 rubris, nitidis — Crescit circa ASSQI el prope Atrebi in provincia Ouodgerale
 id hiera monlium prope Entchetkab Aersus Schoata in pio\incia Semiène nee non
 in disinctu Haramat in Abtssmia
- i P (*Vlagiantheron*J SALICINUM Lindl in Mitchell Journal of uopicil Australia p 97
 i In — Folus liniari-ldnccohtis conaccis iculissimis avenns pelunculis uniflons ng
 t,Mpms axillanbus fructibus subglobosis vix coinpressis — Crescit in Ausli ||n
 onent ill liopicali

sectio IV *CIWLIDOSPERMVM* Blume, Mus bot Lugd Bata^ p 161

Omnia *Scnaciae* sed calvcis profunde quinquepartiti laciniis in prac-
 floralione subvahatis, semimbus longiuscule funiculatis

- fi P SINUVIUM Blume 1 c p 161 no 365 f — Folus cuneato-oblongis (3 — 5 poll
 1 tngis 1%—2¼ poll latis) obtusiuscule acummatis integemmis v plerumque sinuito-
 Ientaf2> mcmbiamcus glabns umbellis lermmalibus bicviler pedunculate solitarns
 (ipsulis obo\oid(is glabns rugulosis bualvibus 3—6-spcrinis \ah is cussis conaccis —
 In |o|i GUILI^T
- P GHEI IDOSPEIMIM Ulume 1 r no 366 f fig 33 - Folus oblongo - lanceolatis
 (3—o/2 poll lories 1—2 poll latis) obtusiuscule acuminati9 basi angustalib inte
 j,uiimi* v l(itti lopandis membranaceis glabns umbollis lormmalibus pedunculatis
 3—5 lan&simc solitarns capsulis cvlmdraceia majusculis glabns rugulosis bnahibus
 8—12-spcrnns \alvis crassiusculis conaceis — *Chchdospermum verticillalum* Zipp
 mss — Ilibuat in Nova Guinea

5662 BURSARIA *Cat*

(Putterl in Wlprs Reperit I 255)

- 1 B Ilsf VNA Lindl in Mitchell Journal of tropical Australia p 224 adnot f — Arbo-
 rea inermis folus obJongo-linearibus supra glabns subtus incanis panicula lermi
 mil tomentosd floribws disiantibus — Crescit in Australia onentdl tropica

Ordo XXII. FRANKENUCEAE *st. mi*

(DC Piodi I 340 - Wlpi* Reperit I 259 \ 74 Annal I 77)

5053 FB ASTKEHSTIA *Linn*

(DC Prodr I 349 — V\lpi» Reperit I 2o9 V 74 Annal I 77)

- 1 F BOISSIERI Reuter mss ex Boiss \o\ bot App p 721 f -^ Annuca caulibusjjif-
 fusis glabn* dichotomis folus ovflis bie\issime petiolaiis. margine revolutis subtus
 pulveulentis superne vnidibus glabns mllmis oppo&nis caeiens quaternis floralibus
 \alde roolutis basi subcoidatis axillis fa^CICuJfe^L. llonbus in dichotomus soliiarus
 et ad apicem lamorum corymboso-congcsiiis subcapitatis cahcis ad medium quinque-
 fidi sepalis cannatis dorso mfeine longe papillan - setosis acutis, petalorum loseorum

unguibus inclusis, calyce fructifero stricte clauso folia floralia superanli; capsula trivalvi, oalyce inclusa eoqac dimidio breviori, seminibus numerosissimis elongato - ovatis.

In arenosis maritimis prope Gades in Hispania.

- 7 FR. SCABRA Lindl. in Mitchell, Journal of tropical Australia p. 305. adnot. — Undique scabro-tomentosa: foliis linearibus, margine revolutis non ciliatis; floribus solitariis pentameris; calycibus patentim pilosis. — Crescit in Australia orientali tropica.
3. FR. SERPYLLIFOLIA Lindl. l. c. — Tomenlosa hispida: foliis oblongis planis longe ciliatis; floribus solitariis subcapitatis pentameris; calycibus patentim hispidis. — Crescit ibidem.

Ordo XXIII. CARYOPHYLLEAE *Fenzl.*

(Wlprs. Reprn. I. 260. II. 770. V. 74, Annal. I. 79. ft 958.. — DC. Prodr*. 1.1313. — *Pa. ronychieac* St. Hil. — DC. Prodr. III. 365.)

Subordo I. VAMOISHLCMIMAM St. Hil.

5197. COBRICJIOLA *Linn.*

(DC. Prodr. III. 366. — Wlprs. Repert. I. 260.)

1. C. LATIFOLIA Gay, Histor. de Chile [Bot.] II. p. 517. + — Glauca: caulibus pluribus subsimplicibus rigidis; foliis crassis oblongo-lanceolatis obtusis. in petiolum subatenuatis 5 lin. longis 1/3 latis; racemis corymbosis rigidis aphyllis. — Habitat in Chile.
2. C. PROPINQUA Gay l. c. p. 519. f — Procumbens: caulibus basi lignosis elongatis; foliis linearibus aut lineari-oblongis subobtusis; floribus fasciculatis, fasciculis in spicam interruptam subunilateralem dispositis. — Affinis *C. littoralis*. — Habitat in Chile.

5202. PAROITYCHIA *Juss.*

(DC. Prodr. III. 370. — Wlprs. Repert. I. 161, Annal. I. 81.)

- * P. KOCIHANA Boiss. Diagn. plant. orient. nov. X. p. 13. f — Perennis: caulibus procumbentibus dense caespitosis, nunquam surculosis; capitulo minuto inter suprema folia sessili terminali; foliis utrinque vel margine tantum hirsulis oblongis vel elliptico-linearibus oblusiusculis sessilibus, sublus subcarinatis; stipulis scariosis oblongo-linearibus acutis folia subaequantibus; bracteis latis rotundatis orbicularibus apiculatis vel acutis flores superantibus; calycis abbreviati adpresse hirsuti laciniis aequilongis obtusis anguste albo-marginatis. — *P. capitata* Koch. — Crescit in Illyria, Appennino Neapolitano et in Asia minori in monte Cadmo.
- * P. FLAVESCENS Boiss. l. c. 14. f — Perennis, tota pilis adpressiusculis brevibus densis canescens caespitosa: caulibus brevibus a basi floriferis; foliis minimis oblongo-lanceolatis obtusiusculis; stipulis albo-scariosis lanceolatis acutis, folia aequantibus; floribus dense aggregatis; bracteis ochroleucis magnis reniformi-rotundatis muticis, calyces totamque fero planiam occultantibus; sepalis adpresse hirsulis anguste linearibus obtusis valde inaequalibus obscure trinerviis immarginatis. — Crescit in deserto Arabiae petraeae ad Ones Palaestinae.
3. P. ILLECEBROIDES Webb in Hook. Niger Flora pag. 106. tab. 7. — Caule prostrato ramosissimo; ramis filiformibus pubescentibus; stipulis foliis lineari-lanceolatis vel linearibus acutis puberulis dimidio brevioribus; bracteis floro brevioribus; calycibus hrevissime mucronulatis, mucrone recto vel inflexo. — Affinis *P. polygonifoliae* DC. a qua tamen plurimis nolis differt, stipularum scilicet et bractearum quoad folia et flores

- longitudinc, c[^]lycis forma q^{*}. mucrone. — A *P. atypvffatawlf.* cui ^{flores} ut plurimum c[^]pU9li. longius recent. — Crescit in iusulis Prpmontorjj V>ri[^]is.
4. *P. DRYOIDES* Hochst. mss. ex A. Rich. Tent. Q. AMy[^]- I- 308.t — Cqyle caespjioso rampsissimo; ramis ba[^]i nudis, in parto. superipre foljoj[^]U; folijs oblongis angustis acuijs nut sijbspJUhnlaais valdc depiduis carno\$is; stipulis sca.riosis\$ ovalilms aculis, margine denticulatis perssientibus; tlffribin scssilibu;s ramujos terminanlibus, undique stipulis fplijsque appressis pbtectis; sepaljs membvanaceis, margipe searjosi?, dorso versus apicem, arisigiis. — In 4[^]JS,sj{i}. in cacumioq oionU? t[^]elki.
5. *P. LINDHEIMEHI* Engelm. mss. Boston Journ. of nat. hist. VI. p. 158. — Annu glabra erccta* caule rainosissimo ilifTuso in cymas aperias iilultotics dichotomas diviso; foliis seticeis, superioribus bracteisque consimilibus mucronatis, internodio brevioribus; calyce basi breviter pubescent!, lacimis in aristulam iisdem duplo breviorcm produclis. — Crescit in regno Texensi occidentals
6. *P. ARBUSCULA* Gay. Hisior. de Chile [Bot.] II. p. 520. f — Lignosa ramosissima ramis brevibus nodqsis, ayice pulverulentis; foliis Tq[^]culatis linearibus angustis obtusiusculis glabrjs su|>craas[^]; c[^]lyci? lqhg Obloty?Q-Qvoja glabcrimis crassiusculis. petala membranacea aequantibus aut parce exceden{ib[^]s; slamibus octo. — Habitat in Chile.
7. *P. COQUIMBENSIS* Gay I. c. p. 521. f — Obscura cacspitosa: ramis elongalis parum rainosis pulverulentis; foliis lineari-lanceolatis mucronatis, utrinque pilis brevibus vestitjs, 5—6 lin. lonfin. V* l[^]ti[^]: slipup cpriac[^]is (iup(p longioribup; cplypis lobis orassis pilosis, parce muticis; pcalis 0; siaminibus quinqc. — Habitat in Chile.

5209. TEIiEPHIUJfI *Tournef.*

(DC. Prpdr. III. 3(16).)

1. *T. ORIENT[^]li* Boiss. Dia[^]nos- lplant. prieqt. noy. X. p. 11. f — Pcrepne glabrum glaucum multicaule: cqulifru? procq[^]ibenliby? Olifpri[^]bus siippljcissiniis denso foliosis; foliis allernis secundis oblongis vel elliptico-linearibus acutiusculis, rarius oblupis, in petiolum brevi[^]iqiuna attoPHPtis; QQn)U9 ip oymaip donse capilato-9ory|plosam e ramis 5—6 constanteqi teripinalqip den[^]Q pQn[^]estis; opal's qljlqppp - lipearibus Pblufjs9jmi8 valde carinatis filbo-niflr[^]qaMs. QMF concayis; petajjs calyci acquilongis; capsulaapice irigona, sensim in rostrum attenuate, calyce terlia parte longiori 15—20-sperma; seminibus reniformibus suUuon|>pressis, sub lente punctalis, inaturis ecarinais. — Crescit in toto Oriente, Creta in montibus Spbacpticis, ip Anutplia, Capa, Pqcpphyllia, in Libano ad Cedros el in montibus Persiac australis.
2. *T. SPHAEROSPERMUM* Bpiss. 1. c. 12. f - Annuum vel bienne glabrum glaucescens multicaulo: caulibus filiformibus procumbentibus abbreviatis simplicibus foliosis; foliis oblongo-ellipticis acutiusculis, basi atlenualis, radicalibus majoribus breviter peliolatis, caulims allernis subsecundis subsessilibus; floribus in cynam parvam coryuiboso - subcapilalam e ramis 2—4 constantem aggregatis parvis; sepalis oblongo-linearibus obtusis carinatis viridibus angustissime albo-marginatis; petalis oblongis calypi subaequilongis; capsula breviter ovata, supernp irigona aculiuscula erostri 25—30-sperma; seminibus miniinis globosis nigris. —
- var. ?* *racemosa*: forma forsan submonstrosa, cymae ramis elongalis laxifloris saepe 2—3-pollicaribus. —
- CrosU in descrtis Apypliaco-Arabieis, in deserto Sinaico ad Wadi Scheick el Wadi Urhran.

5211. POliYCARPOIT *Lfflng.*

(DC. Prodr. HL 376. — Wlprs. Repprt. I. 263, Anjaal. I. 81.)

1. *P. ARABICUM* Boiss. D<jfij, plapt. orjeju. poy. %. p. ft. f — Anouum gteiriusculum: caqlibus a[^]breviaais prpstrntis aichowmis, deqsiflore cympsis; fi)iiis minimJs appoaUi* li[^]ari-oblon[^]is obtusis carnosuJis; slipulis br[^]clejique ofliniop alUp[^]wanQpia trjangu-laji-ovatis acutis, hi[^]ge pd ngrum bftsin cpnferUi. cajyejs ba[^]in occultantibus; sepa[^]ii*

obdncfcls obtusis late álbo-mittfrgnalls'; pctnlfs oblongo * linetirfbiit bbiusiuculis, caljci auqulldngis; stamiñlbus quinfli; eapsbla polysperma; lemJnibti*.? — Qrescít IH 'arenas Arábíae petraeát.

5216. POLYCARPAEA Lam.

(DC. Prodr. HL. 373. — Wlprs. Repert. I. 263. V. 76, Annal. I. 83.;

1. P. ERIANTHA Hochst. mss. ex A. Rich. tent. II. Abjss. 3\$. f — Gaule erecto u basi dichotome ramoso birsuto; foliis lncaribus ucuiis dJiculis subglabris; stipulis lanceo-ldtis jlcUtUsimis, marine ciliatis; cjmis dfensifldrii; caljcis sepalis Ihnceolatls acfltn pilbsis. — Habitat in Abyssiniá propo Gnpdia.
1. P. MOtAMBICA Knth. fi: BouchB, Index sem. in hort. bot. Berolinens. 1848 collector • p 15 ho 24. f — DilUKtt hcrbaccn • rnmis n' re till us piU)e*centibus; foliis opposiit> ^witluiaio - lanceolatii obtusiusculis muticis cornosnlis glabHs. junioribus ciliolaiis. floribus in pedunculis niflaribus ot tet-fcainalibus sabdiciwlomis Sessilibus; column a <trJnu ovario dimidio brevior^ . — An P. *memphiticae* Deh forma glabra? — Habitat in Mozambique.

5220. DHYMARIA WiM.

(DC. Prodr. I. 395 - Wlprs. Report. I. \$& tt. 770. V. 76. Anna). 1. 8ft.)

1. DR. SPKRGULOIDES Asa Gray. Plant. Fendler. 11. no. 55. — Annua glabra: caule preclo ramoso; foliis sessilibus lineari-flliformibus cartiosulis pseudo-verticillatis interuodia aequanlibus; cymulis terminahbus laxis paucifloris; pedicellis fructifeiis doflexis cañce bracteisque oblongia scario&is diljilo lbngiGribus; JBpalis ovalibus obtusissirais carnosis, vix uninerviis, margine latissime scariosis; petalis calyce brevioribus ad medium quadnflidis. laciniis exterioribus mullo majdribus; capsula pleiosperma. — Crescit in Nova Mexico.
2. DR. TENELLA Asa Gray I. c. it ho. 56. — Afanua ^lábta: caule erecto dichbtomo ramiSque sethceis; Tdlis sessilibus internodiis mullo breVidHbus, radicátfbbs s^atHUIBtis breVisshiiis, caulinh lineari - sejDcel*; floribus terhiinalibus brevlssime pndfcetlatis; bracteis miulhlis OvDlis scariosis; sepalis ovatfs obttsiustiUlis Iritlervits mUticis lato scaribso-riiarginatis pelnla ahgusta)fbfutide biftdo aeqUantibas; otdrio birce 12-ovulato. — Crescit in Nova Mexico.
3. OR. tK)LTCAAPOIDES Asa braj I. c. adn. — Annua glaura dep^essa: caulibus e cöllo jilürib)is adsbr^ehllbus (bipblfical^s): foliis ovaUs obovaU^V^ ba'i hi petiolum brtVtn an^iilrtlis integerrimis brtissii, itlerrhodla plerumque stlpeNfttfbfs; cyihulis iefmirtaiibus t\ axillarftus pluKülbrH bhatteaVis; floribM ptis fceriW-e maxitals (4—5 lin. longis) pedicellis longioribus; petalis sepala ovata obtusa plana*; margine iate waiiosa aequanlibus alte bffldis. laciniis dbloH^is filleg%trmi^; btb/ib Multiovulato. — Crescii in Mexico.
4. Irtl. KODOSA Asil Gray I. c. adn. — Annua dlffusft. irtdUdlóiaO - ramo^afHaa: ratnis bftsi itbdtisis tbnidís brnchiatis. inle^hotfiW stipe^ne #tendUlosb-«pubertrllfi; ntpuUa flilitttrtafbtis; rolifb UneaHbbs candlibUlilis ^tabfis; ndrffbus in Uctiotomia nnraK^um p&tiuribljilii^; sepalis lanceolatiA acutihnati6 trinfervlis; ^et^lt^ fld anfoeM i>ip<rtltis, lobis ^bloh^O - Nncaribus retusfs *n|i ema^natls calycltt Sti^nrribu^1*; fitartrfttJbus qtilh^in tiftéo barnoto (jjuinqAelobo ihfeifftUbxis; tiVaVltt blieVRet>^nat6 subgtoftoso plriribVli^io; calyce pfsidtebte clauso capsUlam du|>lo bf^Vittnem iibludeiil<; setting bus circa tribus asperis. — Crescit in montibus Chihuahua (Texas?)

Sfubordo III. JUH&MMAUt BartL

5224. SA «1WA Lrttn.

(DC. Prodr. I. m —* Wlprs. Annal. I. 84.)

1. S. ABYSSINICA Hochst. mss. ex A. Rich. Tent. n. Abyss. I. 47. — Caespitosa gtabra: ««ul@a basj ramoso, 2— 3 uncias iongo; fblis oppositis. inferioribus caespitosis linen-

nbiis auilid caulm frve oequarilibua, caulinis inullo breuonbiib, ba^i uuci se connatus, CJBIS incliotofiiis brevibus, petals tahto breuonbus obtu&is integns, stammibut 10 fertilibus, caljce dimidio biewcnbub bi\i-> 5 t ipsula o\oidea, apice acuiuscula, 1-loculan 5-valvi — Crescit in monilbui bi ope Dernerki, piovincia Semiène in Abjsbima.

5225 BUFFOISIA *Saiuay*.

(DC Prodr III 332 ^)

- 1 H MWnnPIIYLLA Boiss cl Heidi Diagnos plant oicnt no\ VIII p 94 f — Percnnis glacia caudculh suffrutnscentibus tonuibin prostratis raulos filiformes nscendentcs simpliciu^culos adpresso foliosos cdontjbus folut minuljs subulatis rauli Hdprossissimis imrrnodio brnMonbiis, Insi tonmiis, iwU me subdilaliiii membianacromargmalM tilia'ulis, dorso infuno tiinci\<, iloiibus ad <uill is supcuon s bills ei teinunohbus 1 — J-nis approximatis poditrilo bn\isMino liirmlo si<pe ceinuo, cilycoiu acquanii vel to longion suffultis bopdis .UI^USK I n< <olaiis adprosse el parallels qulnquencerwis arulia angusio nlbo-margmatis Micnli-(neulesrcnli)Us pctalis albis oibiculatih bicvbsimo stipitato-unguicilialis, caljcom diinidiini anjuanlibus staminibus octo capsula calico breuon, seminilun coinjdan ilis OMIIS, disro k< MUM ulis, ad niargmeiu laluin eximio tuberculatis — *Mochniu/ia strata* Floi Giaec tab 302 — (i oscit in saxosis montium ^pbnciolicoi um lara momc Iingio Tbcodoro Hcllno Sell iilt 5500—7000 pod.

5227. AIIIIIVE *WMnbeui*

(1 n/l Mono^i inedit — Wlpis Annal i 64 ;

- I \ (*Mtmintuat*'J SCIHMEPIII Hoclist niis ex A *With* Tent fl Abjss. 1 4? — suffTutev raulc a baM lamoso, inmulis itciis glanduloso-pubcentibus, loins ba&i connatis linoai ibus, mai ginc recui\ is, subscetai ois floi ibus in cymam dicbotoinam dispoi>itis, scpalis o\ali-lanccolatis acutis puipurascentibus norvosis, polalis ovalibus oblusis intogm vix calyco longionbus, capsula tnquetra acula glabra — Crescit in locis andi> nrca Adoua, noc non in montibus prope Ouorig>iatc, el in alns Abjssiruae pio-\ incus
- > A TENUIFOLIA Cr — P< tnaailima Boiss ft: Helder Diagn pl.mi oripnt nov VIII. P 95.f—Glabra Miiflis caulibus abbievia^ ramis> pedicellisqiic siuctissimis, petali* nullis staminibus quinis capsula rvlmdrico - tonua, (iiljccin aequanli, seminibus dorso obsolotissnno tuberculatis — Ciesrit gregane in aicno>is inaritiilic ad Cj-doninm
- 3 A (*Minumticm*) IJLLAHDILM JJoiss Diagnos plant onent no\ VNI p 95 f — \nua puinil> i basi lanosa, lota pilis tenuibus paiulis giandulosis obsita foliis viridibus giaminei> plants lintanbus acutis 5—7-nervus ulongaiis, inleinodia superantibus. I\IHH paut iflons abortu sa<pe ratemiformibus, floi ibus in dicbolomns silis terminabilibusque pcduruulo tenulssimo lecto, <al\ro longion suffultii magnis, scpalis glanduloso -Inspidulis inaequilongis angusto lanct olali!> subulato - allcnualis innemis herba-cois pptulis o\ali-oblongis, caljro inplo broMonbiis >tamimbus 10 siibmacqualibus. (apsula oblonga trivDhi, sominibu* ionifornhii<i, ambitu lugoso-tubcioulatis — *Arcnana globtilosa* Labill — fipscii in Libano nd Inpulnn Sujiae, in IUIIH ad radices monlis binai
- i A MCYERI Bois-s I c % f — Annuu pumili, pilis lue\ibus palulo-cuspulis viscidulis obsim caulibus basi smplicibub, dun sinclc lauiosis loins a basi lalion attonuali^ lineaii-suhulatis stnetis ngidui^cdli:* ••ub- 7-nervus, mlcrnodia superantibus. cjuui^ axillaiibus fascitulifoinubus bie\itei pedunculaii<> tenuinalibubque. pamculam breveni sinctam foimantibus, llonbus raediocnbuj* pedicello >alde glanduloso - bispido, calyce hrevioif sulTultis, sepohs glanduloso-hispidis lanceolate sgbpungentibus inaequahbus quinquenenns, ncvis laieiahbus iiaiginantibus; penlis oblongu utnnque attenuate, caljce quadiuplo InAioiibu*, niwapiitis 10 uldc innequalibus. cnpsula. oblongo-

- mgona, calyce paulo bicwuu ab npic ad basin tmahi, **seminibus** reniformi-compressis bubanffulatis minute tuberculam, radícula in rostellum **olongatum obtusum producta** — *Areiiuaa qlnbulosa* >ar. f A Me\ei — frescit in **tractu Sv*ant** prov Talysch, in **Stria**,
-) \ **BREYIS** Bolss I c f — Annul pumili tola breMier pubescenti-glandulosa caulibus nanis saepo subnullis simplicibu* vel ramosis, foliis linenn-subulatis stnctis ngidiu!>culis 8ub-7-ner\us inlcmadio longioibus tjmis axillaiibus in pamculam saepius corjmbosam t(rinalem nppiountfiis flonbus pedicello eiucto lenui raljci acqulongu luffultis, sejnlis pituU Iubliiduli9 nnoquilongis. lanceolatis alienuaio-ncuminalis tunemis, dunum apne p UIIU-UKHMS pelalis oblongis taljce tnplo broioiibus staminibus dec em subaequilongis tapsula oblongo-Inqudia ab apice ad baMii tii\alu, call\co paulo biCMun scinimbus Hiiifoini-oibitulalis subcomprei>sis, minule luberculatis, laditula prominula — fiescit in Arabia petiaea, in Persia prope Tcheian cl ad Dalmkou in arenosis menus Cadm (auac
- ◀> A ANATOLI^A Uoiss I c 97 + — Pcionms basi sulTrulscscns secus cnules ot fuliorum basin nnutisoinio pilis paiulo-defloxis pubeiula, superne glahorrma caulibus Illifoimibus flexuosis biinplicibus vel paice ramosis, apice densiuscule cymoso corymbosis loins *i ham um*>ri lauori subito attcnualis subulato-seiacois slnctis, plciumquu cdiili adpnssib, inieinudio bieMonbus, axilhs infenonbus fasciculifei H braceis pcdi(tllum aequunlibus \el subsupcianlibus, flonbus pedicello us acqulongo sacpius bie\ioii sulluhis, calyce glabcmmo. basi truncato, post anthesin clau*o oblongo-cjlindnco, acpalis subinaequilongis lanceolatis, fascia vindi nervo albo bipainta, marginibus albottinosis nngustion percursis, petalis oblongis obtusis, coljco lertia paile bievionbus. slaminiibus 10 subaequilongis, capsula calycem aequanti vel subsupeianti cjindrica ab upice ad basin tivalvi, scmimbus parnlele bicrunbus oblongis subcompressis, secus lineas.concentncas oximio muuiLiilaio-iubeiulaiis, pxliomitac radican longion — 4 *sitacra* \ar *Athon* Guseb — Cn s«it in montibus lolius Analolinc occidentals, prope Bolu Ditlnne Ohinpo Hillnno et Gaigaro. Cadmo supra Dunisleh, Sypilo supra Magiesiam tt Imolo supia IMiilndelpluam probabilitn in nionle Atho Mncedomac
- 7 A. LRYTIROSLPAL V Boiss I c 98. f — Perennis dense tapspitosa glabra taudiculu* flifoinubile, basi nudis, supurno loins \etusiii> vcititis, caulcs nanos sjmptcs cdenibus. foliis subulato - sotaceis ba^i trinervns obtusis mulicis \el bieviissune mucronulatis stridis, ad tin tones stonier praesertun falcatis, ad ba&in caulium dense lmbnecatis, ad eoiun pattern superioinn rcmolissiinis, flonbus in cjmas terinaleb donsiusculas dispositis, rauus solliaius, pcdicellis caljcem aequantibus vel superanlibus, bractcas oblongo-lancoolatas acutas aequantibus, caUce glabro vel sub lente brevissime ot parco liirtello, basi tiuncaio oblungo, sepals nequilongis oblongo-lanceolatis acuti!», la^cia viudi nevo bipaitilu, nimginibus rubellis submembranaceis aequilata percuisti!> petalis oblongis obtusia, taljce paulo longioribus, slaminiibus aequilongiu. tapsula l — (icstit in legione supenore Tmoh prope Bozdugh in Lydia et—ut videtur — in Olvmpo Uithjno
- ^s A LIBANOTICA Doiss 1 c f — Pcrunnis glaberrna cauditulis flififormibus arena sepullis, caulcs nanos sunplicex, apice 3—7 floies cymoso^jbsculatos feiontibus, foliis mimuiis biibulatis tcieiibus obtusis, supra sulcatis', subqSf^ofivexis. inferioribus tetrastiche et densissime mibnecatis bie\issimis subenemis, supenoribus paulo longionbus, inter so romotiustulis, basi subtus tnnoivils, pcdicellis caljce paulo bieMonbus, bractcas tngulalii-lanccpolatas membranaceo- marginal as aequantibus, cahtM glabcmmi o\alo-oblongi, busi subtruncati sepals aoquilongis oblongo-lanccolaiis acutis, fascia \iudi nevo alba bipaitiln, marginibus albo-membianaceis su^aequilata ptrfursj*; petalis oblongis obiusis, calyce sublongionbus staminibus 10 aequilongis, capsula ' — Cnt.cu in aicnosis clcuminis Makmd Libani
- ^M A. (*Lanceohtae*J DIAMIIIIFOLIA Bons 1 c W f — Pticnms glabra ^el minuto et patule glandulo^o-pubesccns caudiculis indurate nudis suffrutoscantibus, apice ramo*iii caules virgalos elai?) nnculmo^ Mmpliu&simos ulentilms, foliis abbreviatis linen-

ribus rigfdh aculis parallele 7—9-neniis, tuionum ttoriliuin npproxlmaiñ squarrosopatulis, caulinis erectis, linsi long-fusculis connatis, inlerno^io mullo brevloribus; lldribus 3—4 in cymam faiculiformem terminalem nggrogath; pedicello calyce bractisque oblongis aculis, mriubraiaco -marginalis, dorso parnelle inullineniis paulo hn'viori; cnlycp gliibro \cl pnrce glunduloso-birtulo oblongo-cylindrico; sopalis coriacois oblongo-Innceolatis aculis anguste nlbo-marginUtis, dorso parallele 9—13-nerviis; pclalis oblongis obluiis, calyce tertia parte hrcvioribus; staminibus 10 acquilongis; tupsula hrevi tri\nlvi; seminibm. . . .?— Crebcit in nlonie Akdagh Lj, riae.

10. A. PESTALOZZAR Holss. I. < + — Cae^pitosa perennis: caudfcu.4 folio testustis disno vosiitis ramonis, turiones abbreviatis spinoso-squarrosos caule^qud pOlhlos tenues nngnlaos minute glanduloso -hirtulos, apico 1—3-floros edentibus; foliis glaberrimis Innceolrtis rigidis, aplcc longe attenuatis acerosii, ficie superlore prfteter ? nervos marginanos flaidos validos encmis, subttis pnite inforlori parallele mUlti-iierviis. IUT\O medio vnlidiori, iis turionum densissime imbricatis squditosis, caulinis ringiisioribus I'm cari-car I nali s, basi long/useule tonnali erectiusculjs, iilldrnodio paulo bn^ioribus, summis brftctacformibus, bax dilntatis membranaco - (Inidib oblongo-niculiitis longo rllonudto-aciimlhat; pdicello brnclofls non uoqUanti, calyce irif>o br<viori; floribn^ inuiximis; crtltjrn glab'lo vel snb lente pruinoso-)UburUlo, & basi L-i(ori eximie truncata attcnurtlo cylindrico-conico; sepnlci longis lanocolatis acuininatis nncrosis, dorso parallel!) 9—13-nrvvifs, margnte nngusiisluu* membranaceis jmt.ilis nlbis ovntu - oblohgis oMu>is, calub (piimupo brerioribus; fit a minibus 10 subinaoqualibus; capsula calce mullo bre\iori, obtlisissime tri\nlvi; semlribus. . . .? — fln'scit in cncnniibus Cadiiti supra (olbssnm el in nionte Uercket Dagh Lyciao.
11. *A. VILLALISI M. a-Krb. — Vor. ttrteia Hois^ ft HMDr. I. c. 100. — Pnberula: folia ti'iuutrr snbnlai^ sublriquelra scrus turionis ;d>breviatis ndpresse imbricata sUicta' llores tfiniiniile-i solliiaiii \r-l bini. — A. Ilclivnhiiaun HoisS. mss. — Crecait ih satosis montis nbHdngli Tauri Isaurici alt. GiMM) ped.
- i'2. A. (SprrgeUa) SINAICA Doisa. I. P. 100. + — Annuar: caule abbrevhuo t6rhti, inferno stride rntuloso dense folioso; foliis glubris setneois longissimis slrictis, apfce gftcpc patulo-snbrectirvis, basi \arce ciliatuld brevlcr cortntis. supra plaii'uscutis, sublus convexis, in inucroneni longiu^culum att^nniis; pedunculis fdia snperantibus, pluries diehotomis; podiccllik c.pillaribuA bilyce 2—3-plo longioribus, fructifcri^ deflexis glanduloso-puburulis; scpnlis glabrls Ovato^ oblongis pianij herbaceis. sub lento cpunctatis obtusissimis, inVrnc tautum ngguste mcitibt'anaceis; petalis roseid calyce sesqnilongioribus oblongis obtnsis; capsula cuilyce longiorei; semirtibus reniforinirontnpressis, scrintiter tuberculati-i, eictrpmitté radiculari longiori. — Crecait in arenosis jugi Sinaici, Porsine borertis ad Dalmkou.

5234. Attis]irAltI.% Linn.

(DC. Prudr. I. 400. — Wlprs. Annal. I. 84.)

1. A. (Eremoyone) FENDLEIU Asa Gray, Plant. Fendl. 13 no. 57. — Cuudice ^olycephalo; turionibus imbricfto-polyphyHis; foliis praelongis m-ectis setaceis planiosculis, margine serrulato-sc&bris cauleque simplici glubris, caulinis.ocbrealo-connatis; tymis siriciis sparsiOoris et calycibus glanduloso-pubescentibus; pedicellis gracilibus; sepalis ovato-lanceolati'i sensim acuininniis cu^pidalib, inferne lale scariosfs, medfo virldfbus irinerviis. pelala obovftta subaequantibU*?; styli-? bxscrilis. — Habiwt in NovA Mexico.
2. A. (Euth<dia) CASSIA Boiss. Dragn. planl. oriertl. nov. VIII. 101. f — An<via vel Weniis, sub lehie iota brevissime pubescens mullicaulis: caulibus brevlbus Ahformiibu-j foliosis, in cymam foliosam demum racedilfbrmem laxam paucifloram solutis; foliis sessilibus ovaiis ohtusis mucronulatis, obsolete plurinerviis, sub lente tuberculis minimis piligeris obsitis; pedicellis calyce triplo longioribus. sempier ereTctis; calycis breviter ax palule plloso - viscdi sepalis* ovan's acutis elevatim trinervHs, exterioribus nngusio, imerioribus lathis nlbo-marjinBtis ftuctiferis capwlae ferctadpvo*

sis pcialis oblongis obtusis, calyce lucnic brewonbu*, capsula ovaia in collum 6-xlen-
latum e calyce exsertuin atenuaia semimbus renifonnibus transverse lationbus
trebre tuberculaliH — Giescit in sjUaticis regions supenons monlis Cassu Synae
borealis

- 3 A TREMULA Boiss 1 c 101 f — Annuca caule sub lonte bievissime pruinoso-papil-
lan tenui teroti inferno approximaim folio&o, ad folipruin insertionem noduloso, infra
medium dichpiome ramosissnno lamis stiiici!* capillanbus rigidis, folus paais> sessili-
bui oblongis vel oblongo - hnceolaUu utunque allennialis aculis 9 — 11-nervus, mar-
gine sqaljuui LUIS, I ana alibis angusiaii!> oblongo-linearibus pedunculis setaceis rectis
rigidulis, floii¹ mulioiu s Ipngionbub. flonbus parvis cahcis. glabemmi ovato-sphaonci
sepalis ovato-oblongis apice attenuate aubacunnatis, medio vindibus trinemis, mar-
gme lalo albo - mopibi anaceo tinciis. petalis oblongis obiu>iusculis, calyce tnente bre-
vriaribus capsula pvaic-subglpbose, sub lente punctulato, cahco sublongion, semimbus
iumifprmi-glQbo.>i9 subcompressis, tenuissirae et qcnatim lubciculatis — Crescit in
8)lvulicis. jugl Cassu in Sy.ua boreali
- 4 A PATYPIIVMdA Roiss ft Hddr 1 c 102 +— Annuca, tola sub lonte brevissime prui-
noso-tomeuieMa teneia caule tenui fliformi pumilo erecto, a basi vel superne stricio
el dichotorae ramoso fohoso folus parvis tenens pellucidis encrviis, inforionbus bie-
yiter o>atis vcl dulioiijpis obtusis muc)onulatii vel aequiisculis, in peliolum us aequi-
lon^uiq vel Ipngiorenii ba^i breviter canrocds, supenonbus elliptico-linearibus vel
a.angusie lincanbus aculis, flonbus in paiculam laxam sutcorjmbosam paucifloram
djspsqstis minimis, peilunculp ^QCPQ icelp fruplifero erecto-palulo us 3—6-plo lon-
gion sulTultis cahcis birti ovati hepatis anguslp lanpolaiis acummaiiis obsolete trinci-
VJIS angubiissimo albo-maiginntis, petalis obovato-spatbuJmiis obiusisbinni., caly. ee
tertia pane longionbus capsula oblonga, caljco terlia pajlq longion semimbus reni-
formibus transverse oblongis, lenuilei tuberculnlis — frescit ad lapides et muros
amphnhcain urbis Pcige m Pamphylia, in Ljcia pi ope Castelrosso*
- o A NANA Boiss 8c Heldr 1 c 103 f— Annuca, toll broviter glanduloso-luria viscid\
caulibus a collo 1 — 3 nanis siopc subnullis, densuibculo foliosii., npicc 1—3 (10IL<,
inter folia supicma subic>cssiles majusculos fcienubus folus inflmis angu>tc lincaibu^,
mfcine ailenualii, supeuonbus ses^ilibus ovalib, omnibus obtu*iusculi!> tnciviiM ta-
lycis ovalo-conici valde glanduloso-hirii sepalis oblongo-lanceolatis acutiisculis tu-
ner MIS, bin> inlenoribus basi albo-marginatis. caetens nmarginatis, petalis oblongis
obtu>is, calyce triplo brevioibus, capsula — Ciesiit in cacuinine Avtenti
inontium Lasbiti Cretae rans^ime
- » A ACEROSA Boiss & Heldr 1 c f — Pcrennis niulluaulis basi suffrulicosa cau-
libus procumbenlibus ramos asrendentes pumilos foliosos glabios edpntibus, folus
parvib rights setaceo-subulatis tuquetris, praeter maigine^ scabndos glabris, tenuissime
accrosis vindibus vel rubellis, us tunonum dense et sliute fasciculate, caulims stnetis
internodio brevionbus llonbus 5—9 majusculio tprininalibus tonfeite cymosis, pedi-
ce lo valde vibcido caljci ncquilongo vel brevion sufTullis cahcis ovati valde glandu-
lpsu-hirti sepalis duns ovato-oblong> breviler acununato-subpungentibus, dorso herba-
ceo Digncanti convexo-cannatis obsoltissime subquinqueoervus late albo-marginatia,
lotus cocovis petalis oblongis obtusis, caljce tertia parte Ippaionbus, capsula ovaia
calyce tertia parte longion semimbus — Crescit InInUJbus tophaceis andis
calidissimis ad occidentem planitiei Komuh inter bane urbem eHBeycbebr sins, in monte
Bereket Dagb Ljcmo et in regione alpina montis Anemae.

t Icones md*en*Qp.

I GROENLANDICA Spr — Torr Fl New York I 95 tab 15

A SQUARROSA Michx — Torr 1 c. 95. tab 14

5240. S3fiBiiJAJ&IA Linn.

(DC Prodr J 396 — Wlprb Annal I 86)

* *T (*Euslellaua*, a. *petiolausj* FOECUNDA Hance, PI nov Ausiaal. Clun diagn ined
P 1?. — Caulibus difTusis adscendenlibub dicboiome lamosis gracilibus purpurascenti-

bus \ix nngulatis, plerumque glabiis ipicim \usiis nonnumquam spinose pilosulis. In
 o\ttis aublnnjugalalis, basi Iruntatis vel subcordatis acuminate, margine \ix undulatis
 Kiiiiis iurn minimis nigns sotpt picis infinoiibui longe pttiolais, suppiioibus bicu-
 ptliolaus suminisque suhspsilibus \ stssihbus peliolis pilis longis spaisis piaedilis
 <)\iis axillaubus numerosis jUiaio dicbulonus ptuuUons Jlonbus eliam quandoque
 sultsolitariis, \p\ic< His pilots se pnlis lanceolate pilosis pelalis caljcem vix supcran-
 tibus biptritis stainibus 8—10 hiiginutibus t—5. capsula o\oidea malunlale calyce
 piulo lungiuro \ix ulna medium in >al\as b Pritlas delnscente, scminibus numcrosis
 (innamomus tuberculis mmuis irregulariter stollnto - radianlibus pulcbeinmo obsitis.
 — *CerasLium pilxohn t* Hance in Hook Kew gard miscell I 143 — liab in ins Hong-
 kong

- 2 NT *tTuslellana Y larhitae* LLPTOPIIVLLA Hance, PI nov Austr Clnens Diagn
 mod p 21 — (aulibus diffluis adscndonibus simplicibus v parce ramosis grncilibus
 itirn^roms \indibns v maculis parvib diluti puipuiasceniibus notnlis glaberrimis fragi-
 libus folns hubconnato-sesbilibus oblungo-lanccolatit, bisi atlcnu itis, apice apjculntis
 luuio-membrannepis reticulaio-|cnosis, basi lenuuer denticulalo-ciliaiis cjmis axilla-
 iibus subsimphcibus 2—5-llous folium \ix adacquanlibus \ co longionbus, peduncu-
 lis pcdirollisque basi brnctis bims albo-scanosis donatis sopalis 5 subulatis glabern-
 mis mnrngmibus albo-scanosis, pelalis nullis. slamimbus 3 hypogjnis, stigmatibus 3
 funiculis plunmis e fundo fne o\aiu liberis ircrsilentibus, capsula maiura longitudine
 talytis o\oj<lea |i| usque <il medium in A ah a* 6 creclas delnscente, semimbus nume-
 i osis Liunmmomeis tuberculin mmuis irregularitrlr stcllato - radianlibus pulcberrim^t
 obsiit - llat> in insuln Hongkong

5240 CERASTITITI *linn*

(I) (Piodr 1 411 - Wlpis Annal I 81;

- 1 (I \Mlii HIM (luinnti Am dclla terza nunione 51S — Piloso • lanatum caulibus
 iisi c iide iiiiibus> lolii> inhiionbus linean-obo\atis supprioubusquo linearibus stnati>
 Milxoriinii Monbus triniialibus axillaiibusque . sepnln ovalo-hncoolali"., mnrgrine
 Jute scinosis pculis obcoidnto- cuneatis profunde omaiginalis scpnlis duplo longio-
 ubiuh cnpsulis subiotundis. — Habitat prope Ycrlicam (in Dalmatian
- I (OCTANDHIM Hochst mss ex A Rich Tent II Ahjss I 45 — Caule crecto
 lamoso uubotomo \illotO-glanduloso, folus ovali-oblongis oculis, sepalis o\ah-ob-
 loppis aruiis, maigine m<*mbrannceis glanduloso-pilosis, apico fasciculo pilorum ter-
 nnnatis potalis ciljrn icquntibus stammibus 8 corolla broionbus, flamenlis pla-
 musculis subulalis glabns dipsuh apice 8-dentata, dntibus aculis erectis — Ciescil
 in monubiH et in agns mculti^ pi ope Adoua in icguo Tigre in Abyssinia
- J f SCAPOSUM Boiss ft Ho Id i li ign plant onent no\ Mil p 101 f — Annuuin
 toluin bre\ilcr ol pitulo luitum litciduluin caulibus abbrevialissimis bimplicibus *jfil*
 basi scniel \cl bis ditboloinis folus oblongis oblusis in pctiolum us breviorcm atte-
 "uiuis. prauter indumentum bto\c margino ciliatis, pedunculis longissinus nudis lenui-
 bus roclis retrorsiuii el appresse biisulis, caule longionbus, flonbus inediocubus, se-
 pnlis pjhs adpieibiuiiculis biisulis cllipticis* aculiusculis, medio vmdibus enerviis laio
 albo - marginalia poialis cuncato-spatbulatis obiusHsunis subietusin, caljce paulo
 longionbus, Lapsula oblongo-cylinduca, cahec tertia pane longion; valvulis reotis
 tiuncatis, scminibus lonifounibus subcompressis bubanguslatis minute luberculalis. -*
 Crcstit ui arenosis inontiuni Spbauoicoium supra Askypbous alt 3600—4000-ped

E genere ezpellendum.

- f PETIOLARE Hance in Hook. Kew gaid mu.c 1 143.=STLLLARIAFOECUNDA Hance
 ((f supra p 95 no 1)

5245. GYPSOPHIIA *Linn*

(DC Prodr. I 351 - Wlprs Repert I. 270 II 773 V 77)

- 1 G (*Slruthum*) OLYMPICA Boiss Diagnos plant onent no> VIII p 55 f—Perennn
 glabin lutescenti-Mrens taudicij>us abbreviatis suffruticosis Ilgnosls ramosis **intri***

- caissimis, surculos sieriles brevissimos in caespitem congestos caules pie tonnes humiles simplicissimos, apice capitatos dentibus: foliis carnosis subulato-triangularibus acutiusculis, subulato marginibus scabridulis, basi breviter connatis subulato-incilvis; capitulis magnitudine pisi densis bracteatis; bracteis ovatis oblongis, calyces aequantibus, utrinque late albo-marginatis, dorso lato viridi nervi excurrenti acuminatis; calyce parvo obconico papillari-liriuolo. inferno viridi nervi, ad medium usque in dentes nigricantes oblongos albo-marginatos nervo excurrente breviter setaeo-mucronatos flsso; petal. is. . . . — Crescit in regione superiore Olympi Bitnyi meridiem versus ad rupes calcareas.
2. 6. PILULIFERA Boiss. ft Heldr. 1. c. 56. f — Perennis glabra: caulibus suffruticosis nudis cretiusculis abbreviate, coriis albidis vestitis, surculos steriles breves, apice fofiosos caules longos tenuis virgatos, superne parce et dichotome ramosos edentibus; foliis carnosis subulato-lanceolatis obtusiusculis atrictis vel incurvo-subulatis, caulibus internodio brevioribus, sensim abbreviatis, facile deciduis; ramis rigidis filiformibus; floribus in capitula pisiformia globosa densissima, basi et inter flores bracteis squamaeformibus ovatis scariosis obtusis minutissimis, obsila, ad apicem solitaria aggregate minuiis; calyce breviter obconico nervi albo-virescenti toto punctis calcareis tuberculato, ad tertiam partem usque in dentes ovatos late albo-marginatos obtusissimos flsso; petalis cuneato-linearibus albis. calyce longioribus; Maminibus longe exsertis; capsula globosa minutissima, calyci aequilonga; seminibus binis reniformibus, eximie et regulariter tuberculatis. — Crescit in piaeto aprico maritimo 2 leucis ab urbe Adalia Pamphyliæ.
- ^ G. DAMASCENA Boiss. 1. c. 57. f — Glabra glaucescens, basi sulrutescens, surculos brevissimos parco foliosos edens: caulibus elalis virgatis, parcissime foliosis teretibus, inferno ad nodos incrassatis, superne dichotome eluso-paniculatis; foliis minutis sessilibus oblongo-ellipticis acutis, basi subangulatis carnosulis, margine scabriusculis; bracteis minutissimis triangulari-lanceolatis scariosis; pedicellis capillaribus, calyce 4—5-plo longioribus; floribus minirais; calyce breviter conico-campulato, 5 fasciis viridibus percurso, inter cas albo-marginatos obtusissimos flsso; petalis linearibus linearibus cuneatis, calyce duplo longioribus; capsula. . . . — Crescit in collibus aridis supra Damascum.
- * G. ANATOLIGA Boiss. ft Heldr. 1. c. 57. f — Perennis: caulibus basi induratis nudiusculis prostratis, dein ascendentibus, parte inferiori densiuscule foliosis tomentellis, superne glaberrimi?, effuse paniculatis subaphyllis; foliis glaucescentibus brevissime pubescentibus oblongo-lanceolatis acutiusculis, basi attenuatis, breviter connatis, obsolete trinerviis carnosulis; bracteis minimis triangulari-lanceolatis scariosis; pedicellis rigidulis, inferioribus calyce subtriplo longioribus, superioribus brevioribus; floribus quinimis; calyce breviter campanulato nervi, inferne albidovireaceni, dentibus tubo subaequilongis oblongis obtusissimis nigricantibus albo-marginatis; petalis roseis late linearibus, calyce duplo longioribus; capsula. . . . — *G. perforata* var. Boiss. — Crescit in aridis planitie Koniah ad Souliman-hatsi propo radices montis Karadagh, in Cappadocia ad Euphratem.
3. G. NEBULOSA Boiss. ft Heldr. 1. c. 58. f — Perennis glabra; surculis tenuibus erectis teretibus. albis sterilibus parce ramosis remotis paniculatis. atlis iloriferis. supra, basin dichotome et divaricatum ramosissimis paniculam effusissimam formantibus, ad dichotomias inferiores tantum foliosis; foliis linearibus tenuibus viridibus oblongis vel oblongo-linearibus obtusiusculis, angulo marginali trinerviis; pedicellis setaceis calyce 3—8-plo longioribus; floribus minutis; calyce subrotundo-campulato, parce albo-punctato. Inter 9 faecias virides albo-membranaeo, ultra medium in dentes oblongos obtusiusculos albo-marginatos flsso; petalis linearibus linearibus, calyce duplo longioribus; capsula globosa calyce longiori; seminibus reniformibus tuberculatis. — *G. paniculata* Tar. *obtusifolia* Heldr. — Crescit in vineis propo Beychehr Isauriae.
- B. "G. FRANKENIODES Boiss. - Wlprs. I. c. II. 773. no. 2. - var. *fatioides** Boiw. ft Heldr. i. c. 58. + — Folia secus riuulos nigra" adpressa paulo breviora laMoroqiw ob-

uisioia floics id ramomm ipjcm congesii snbfiscirulaii >etah inicn*iu?~ puipurra —
G atiopurpuica Boiss fl IMdi — Cie>cii in pasiuii HCUS montis ^taMOs prop<
 hpirta Pisidiic

- 7 G (*Ueluoihroa*) SI RP\I IOID! S Boiss fc Heidi I « 59 f — Pciennis ,olabei
 lima caospitosi tatilibus flifoimibu> folios% potniis siibtus radicitibu^ saepe
 sun uliformiti r elongilis fului pir\is cai Moduli, nirrvns oblusconiustulis oblongo - \cl
 lincan-sub^patbuiiis inferno iunuiiis w\|\|^ hMitulifens noubiib in nmorum
 brevium pane *up<MJOi ixill inbus a u| <oiium ip/ccin sacpius tcinii lacemos pauci-
 flores biCMssimob formanlibiis pediedlo lenui eilyn aoquilongo sulVultis cilyce co-
 mco - cimpaulalo ^ircscenti ^hbio 5 cosmio ad itiiiam paricm usqir in denies tnan
 guloios aentos cilntulos flsso p<i ilis lino in euneaiis iosei& obtusis olu(duplo
 longiuribus cnpMiln — Cn^it in pismi> <<CC> TJUII Isiurici in monio Gbn
 dtgli supn Ah\ t ill 6000—7000 pr if

Subordo IV. SIIJENAE IC.

5243 VEL.EZIA Linn

(DC Prodi I 387)

- i V FASCICU VTA Boiss Dngnos plant oucni nov VIII p 92 r — Annuu *caulibus*
 puimlis paulo supia basin ditbotomt nmobis supiiix pracscilnn glanduloso-lnrstutis
 loliii m^usic lin(Inlius sujtrnc aionuads untis ngidulis subtu-s tnnenns, margin
 tilniis bisi inUisi connatis (loibus scs^ihbus in fnsuculos donsos 5—9-floros id
 luiioium ij icun (ongfstis ral<< \nidi liniuici (^lindnco \alde luisuto vit>cido 1c-
 nuiki 1 i-ncivi (< nlibus biCMssimis lineari subulate lmcqmlibus petalis angustibSimf
 Jmcailliits limbo bro\issunc excerto jull/dr toseo indniso vcl obsolete ipluso cap-
 ^nh ciljtc pnulo longiore scniinibus oblongis complonatis canaliculaio-conca\is ridi-
 <ul i abrupto terminally — frscit in monlosis Striae borealis intoi fluvium Oronirni
 11 urbem Laodice im

5244 DI%HTTHUSI Linn

(DC Piodi I 355 — Wlprs Repeit I 266 II 771 \ 77 Annal I 89)

- 1 M> (*ArmenasUum*) VISCIDIS B el fliaub — Wlprs Report I 267 no 13 — \ii
Iiimphicstta Boiss el Spiun Diagnos plant orient nov VIII p 64 + — Caules tin-
 iiii I—J-pollicires potala fue supuion glabn nee papillosa supra basin limbi nn-
 iuh transversa intense purpurea pictd — CrebCil in monte Vclugo (Tvmphreslo) Aeto-
 hat — i) *viscido* ut svnonvmon adnumerandiii* *D Olympian* Boiss Haec pulchia
 stujis in omnibus montibus exctlsionibus Giaeciac crescit monte Delphi (Euboeae),
 r\mplncsto Ohmpo Tbtssalo montibus Maccdomac, Tj\goto — Pio *D macroleptdi*
 Boiss Diagnos I p 18 pone *D CynF* & M spccicm tune ignolam cum speciminn
 Aucbemna describeronlur — *D macrolepis* Fcn/1 non Boiss cst *D stenoccephalus* Boiss
 i D IttMCSOLEPIS Boiss 1 c fi4 f — Inferno brevisoime puberulus supernc glaber,
 btsi suffi utescens surculis sicnlibus abbrcMatissimib caulibus erectis simplicissimis
 u nuibus obsolete quadranguli* apice capitatis foliis. subquinqnerviis, angusic Imca-
 nbus surculorum ingustJOiibu^l* ibbreviotis caulinis. ei cctj« maigine remote scabnus-
 culis internodio bieviobus acutis \igim foln latiudiuc 2—3-plo longion capitulo
 denso 2—4-lioro bnsi cuneato-atienmto brackis oblongis in cuspidem squamas
 leqmnim attenuatis suffulto squamib caljcinis quaicrms albis encivus a basi aogu-
 stion suisum dilaiatis cuneato-obo\atis apice membiana hn intense purpurea plica-
 lula subdenticulata obtusissiina truncala sub^Tusa marginitis dorso superne stnatulo
 in iisum inagis minus\c elongatim pioducto cahce squamis vix tertia pane longior'
 oblongo stnato vindi, dentibus* rubns rotundis bievis oblusissimis margine ciliola-
 tis petalorum lamims roseis parvis tuneatis acute el piolundwscule denticulatis *su**
 perne papillan-punctulaiH ~ Crescu in Mesopotamia

3. 'D. MULTIPUNCTATUS Ser.' mss. in DC. 1. c. 362. no. 8t. — Boiss. *Diagaos*. plant, orient, nov. VIII. p. 65. — *D. Ihwolatus* Dclilc. — Species per totam Anatoliam meridiionalem el juaesertim Syriom ut Pnlaestnam vulgalissima, cujus varietates adhuc indescrptae.
 var. [J. *velutina* Boiss. — Caulos foliuque indumento brevi denso canesceniia. — Creseit in declivibus inter Jerusalem c* Jericho el alibi in Syria.
 var. Y« in *Urantha* Doiss. — Velulina, cnulcs dccunibentes 4—5-poll. pauciflori, calyx 5 lin. tantuin longus. — In Uhuno.
- 4..D. (*Caryophyllm*) CIUENTUS Fisirh. ins*. «|| Van llouiiic. Flore des serrcs V. tab. 488. — Lindl. 8t Paxi. Flow. gard. I. 119. fig. 80. — Perennis caespitosus, petalis except is glubcrrinus laovis vix glauccscens: caulibus (fertilibus) i—2-pedalibus, superne leviter tetragonis esiriatis; foliis lauceolalo-liiiearibus, spatio semipollicari conimtis subulato-acuniinaiissimis, subtus trincrviiis aveniis, ca'ulinorum paribus 3—I quum internodia mullo brevioribus; cymis cunlracii- capituliformibus mullifloris deprcssocomprossoque-subglobosis; bractearum involucranlium 2 exterioribus soiniherbaceis. 2 interioribus braceolis conbrmibus; bracteolis pro flore singulo 6 calycem amplectentibus, inerioribus (aenmine excluso) calycis dimidium acquanlibus, omnibus obovato-tuneatis, npice rotundato-iruncatis, apiculo subulato 2½ lin. longo terininatis scariosis l'ulvo-brunneis; calycis lubulosi superne violaceo-rubescenlis et atenuati multistriati dontibus 5 aculissimis; poialorum lamina rhomboideo-cuneata, 3 lin. longa, supra medium crcnata sanguinea, in disco pilis sparsia rubro-violaceis barbata; starainibus breviter exsertis, antheris (polline emisso) plumbeo-griseis; stylis stamina supcrarnibus. — Creseit ?
5. D. LEPTOLOMA Studel mss. ox A. Rich. Tent. fl. ALJYSS. I. 42. — Caulc a basi ramoso glauco spitharaeo, rarius pedali; foliis linearibus acutis, planis aut involutis. margine ciliato scabris carnosulis; floribus solitariis ramulos te'minantibus; involucri l'bliolis saepius 4 decussatis, apice acuminatis, subaequalibus, exteriorum acumine longiori; calycis involucro duplo longioris scgraentis oblongis obtusiusculis, margine tonuimeinbrancois; poialis cuneiformibus, apice inaequaliter orosis. — Creseit in provincia Semiuie et in montibiis dislhcius Urnhui in Abyssinia.
6. D. POLYGLADUS Boiss. 1. c. G5. — Biennis vel perennis viridKs, a collo multicaulis: cauffibus glabris vel interne loineutellis crassi usculis subangulalis elatis virgatis strictis. & medio in romos tenuissimos strictos squamosos elongatos, apice uniUoros dichotome ramosissimis; surculis nullis; foliis caulinis infenoribus sub anlhcsi jam exsiccatis, cacteris anguste linearibus strictis sublllexuosis (rinerviis ciliatulo - scabridis, internodia aequantibus; vagina folii laliLudine breviorc, nodis lumidulis albidis; foliis ramorum subulatis adpressis brevissimis squamaeformibus, summis flori contiguis; floribus parvis, squamis calycinis qualernis ovatis straminicis subcnerviis membranaceo-marginatis obtusiusculis, in mucronem brevcm subulatum adpressissimum dorso productis; calyce stramineo oblongo-cylindrico bracteis sub trip lo longiori, in denies lanceOlatos acutos membrana basi latiuscula. sup erne sensim evanescent! marginatos flsso, tubo sub lente punclulato tenuiler viridi-striato, striis ad basin lubi intervallis enerviis e dentium dorso decurrcutibus sejunctis; petals pallide carneis, lamina lanccolata acuta glabra. demum linear! -convoluia, calyce paulo breviorc. *— Creseit in montibus aridis et humilioribus Syriae inter Darkousch ad Oi-ontc^n et planitiem AMnpensem.
7. D. JUDAICUS Boiss. 1. c. 66. f — Perennis totus breyher elTro?esse griseo-toiaenlosus caespitoso-multicaulis: foliis lanceolato - linearibus acutiusculis albo-marginatis, facio superiori eximle canaliculato-plicatis, inferiori carinatis patule-recurvis, radicalibus brevissimis. caulinis internodia oequantibus; yagina folii laliludine breviori; caulibus unifloris quadrangulis; Qoribus magnis ebracteatis; squamis calycinis quaternis glabris credo-patulis, a calyce suidivergentibus ovalo - oblongis, medio striatis, margine lacvibus slramincis, in mucj^em foliaceum acutiusculuin iis breviorcm erecto-paiulum attenuatis; calyco squamis subtriplo longiori cylindrico, superno angustato lenqiter striato virescenii, dentibus lanceolatis acutis ciliaiulis vix membranaceo - marginatis; petalorum ungue longissime in Iauinam flavidnm imegram oblongara glabram

K qutidiupjo MetiisiUU aiupluik — fit* n in dithvibu* rilidn luilm uo mtei Jei i
sfüttn cl Jem ho

D) XM.ORIUII/IS BOM* il H I I I I I 67 | U d u iidiubuN IUHNIS imubiis
li_nno»js iorluo»J» piot uinluniibiK sunulus aienk *» JJ JICI! Winto* abbiMiulu* cault sqn<
biMth tcielos bail duisc fohotoi Himpliu««4imob unill ros idinlil>u<> loins pallid
MM minus flexuosis Huudis lan< colaio-liut uibus UHI^HM iinbiu sublu* trinimi*
m mi laualilms mu_nm tuiibus t inline muiudiu | mki bic\ionbus, \i<gni3 folii
lailludmc brtuon n >db> subnui ISMII> Hurt i bi ICILH summit biL\ibni lincni-acu-
imnalts mogis immutK diiauli squamu tnhunis qualLims dbis LIIM IS laic oiatls
obiuais broMbiime in muoniiluun \in f< in olitu>iim ailenuais enhcc quadruplo bre-
MOiibus cahcu laic tjlindnro sinalo siijuine •.nbangustito dentibus lanceolalis
neuliusculM glaluv nngujit albo m< inhrannr (is pel IJH nttnqiiip concoloubu^ flavidU
o\niQ - cuncuin* brcM^tuno ii obius« dtntn uliti« in iingm in liinua tnplo longiorem
tubuiu culxcis paulu txcedtniim scntnn iii<iMniis (nvii in iupibu> ad Palneo-
caitro supra hissainos < riiai

D) 1ryPOniLORUS Uoi*-> & Ikldi I c <7 | - P«unnis \iudid puimJus caespioso
inultKop^ i mJibub asttiidciHibUij abbie\iau>) L«nuibus siipciuc angulaiib simplicibiiN
\el pai(it>->uui tl brt\itti ruuo^i^ 1—3-Ilon> scdni* MI IMCMSMIK papillari-\(lutiuiti
foln» bn MIJU> augunle linciiibus Hiibiii inli do iinirr\ns td margines cl saepe oliam
nd mnut *» ilnulis luiunuin iidunliuni pun is iblut \i iissunis ngiduli^ caulims in-
ttinodio iiiiulo biLMoribiiH \ I^IIIJ loin IjiiindniMn tubduj lo 'upminti squainu tn-
Ivcinib qintdiiii tUutniM is <nu\ih >\ ill- IIK IUM tin tlbo li^nlina lutiuscula icneia
iuptrnt I iinisi uK juu_niiMiis in mini MM in IUMKIII nl| Irssiim bn\cm ailenuaih ca-
hccii lubo • IMHIIHO iiuio iqii nn is plus duplu Mip i mil \mt in denies tnangulan-
I mi«olat i uuiiisiml i nnipiu i i ilnl >> bisi nibdlus MijMint albo-membrana-
ie c illsu i<i JI >I iiii I mini i siipi i | dli k |> « i \cl niimnn lh\idi oblongo-cuneata
<< üt< (Itininiiliii I; sj miil^ |ul >iu>j — (n Mil MI pasuiiH MCCIS Faun hauriel intoi
\allo r< IHILIIil n aJuiiM'k ill MKM j_Ml <i in n^KMIL ilpim montit Anemas all
KXX) ptd ((Mini minoi)

10 D) KOTSLIH \NLS lioi^-. U lit Mi I i »H | - Paliidi wiens >æi buFTiutlicosus
caudicibus nudis «æ pf iub< loii(,aii> luxe cuiNpiion^ surculon biLvi^simot caiihkque
nngi₄ imnus« rlongniort ICIUIM virgaios bimplices \cl paic** lam sot efa niibiis folus
qjuubus> ibbiMiiilH inifcufte liiit(iii-lan<4 oldlis iMilit, MibKia 5—7- sulcflllo-nt'i\osis
inargiiK <i <æ! n>i\os sa<p< ulialo scibn« tun uluiuin bn\iSMims ngulis subulato-
iriquiitM uortu piitulM inuliim nt in >æio -i-") j.lo bioxionbuM, floubus icnnnali-
Inis sjlilniis |*| i fonftrds n tinu MIIM bsilibni p mc, squamis calycims quatci-
mi o\mis stiunniK is HIM \ui oiling., nigiiM< (tlbo inii^inalis dm so in rauronein
)>re\cm oblusum <x<iiii(iiii tthit o\aiio Miidi u lo sliialo, squaniM duplo longion,
upite uugutlulo in dtnd s n tin in wirfulaio oliu^msi ulo» hiiubtuk nllto-maiginalos
nliaiulos Ihio piiiloiiii Lihu iMf\uiluiigioruii Inimji oblongn iiiKgenimH glubrft
ulba \tl |ialli(li*«iinL iainta Subiii>> toncolon in unguLin stnsim aiienuaii — Giescll
in Tamo (ihcito a Tamo I \caonno in moult Knadogli supr n I urrnda el inter Bey-
tholir ot Konnh

11 D) MKRVNTMIs liuiss it lit lili k< bs f — (labci \indis, basi suffTruliculosus
taespitoso mullitaulld <aulibus itridis tmibus ugidulis terttiusculis simplicibus vil
apite biLMti Inn Otis Z—/l-loni folui luimnun radicaliuoi cauljmsque biewssios
rigidu BCUIH iimuMis. ni/ngint scibudit iilcrionbus subtus saepe papillan-pube-
IUIS caulims adpiensis inLinudio inMoi^*» bn \ionbu» vagina <idiuctro basi folii
duplo longion bratlcib qiatnmid brovilci ovuli» LUCMIKI stidimnco ->ir<3scntibut ob-
tuisinnis angusic ulbo-mnigmuli^ U>SOIL» rt obtuse iuucionulalJH coljctm dimidiuni
uon acquantibua taljtt bn vj lalo oblongo-doliofonni \indi stnato, dontibus o\ato-
rotundis> obusingimis aiguslo muubi anaceis dlialulis potalis eoljee duplo loogion-
bus, lamina nupornt u\hu subius viiefficienti-rubclld glubia integernma obovata —
(resell in lieibulw Tnmi Isaunci, in niontibus supia Tomlcoblar all 4000 pcd. el w
pane ocudentoli moniis Ghcidugh alt couo pcd

- U J> SPUAUOTICUS Bulb a IWdi 1. t 70 -, — Gbber caeao - vireoa. aawbcuh* tcoiubua aufhiuwcniibua uui|n» *umt<oa piucoa i oaul/Uun paucifojjo* eautaafiie *isnuen* uanot aacendontea geniculaton #Uiu*e quffdraogulos edeniUmf. foUff mioimia oratis \el OTOo - oblongs aubtufi ir*sae iriueriia, uenls laieralJHia aorguii acabrido contl-guJa, cauJinitf jjucrnodio 4—J>plp brerjoribug, Numina Dorca Jiraetconubua Jiiicari-ob-iongis. squeinn col.) unit* adpre»i& vmdibus oblongu acuiu J—5-norylif, mferne la-Uuacule olb«-majguiBiis caUte kqunmis (nplo luiigion* t\hndrfeo superne ailcjwak) rindi-rul>eHo dense *(nau m denies inncoJaton albo - marginaloi oJbtuauistiUos bre-vitfir mucronulatot> ti-><o p^tolorum unguibus elougati* m bumns parvas roaeaa vbo-iato-cuii(<•*** iiti^ras glabifti breulci ex^erla> dilolAli^ — i) *leucophaeu* bieb — Crescit in LpKlosis «uinmi rommuio Kngio l'nfumu mooium Spliaciolteorum Cei<i< alt fiOOO ped
- 13 D (*ixmhriaU*) STAAMLNBu* Boios a Heidi I t 70 f — Glabor paUide vireus rhi-zomate lignoao uitruksato muliicauli aurrulia paucia ataailibua paucifolua. caulibus torctibus auperne parca ci Mijicte bifurcato-raioafa. ad nodoa increasad* et ganicu-lato-flexuoi^ folua stiictis anguste lineafi-a'ubulaUa aubtriquaina. supra aubcanali-ailatis 3—5-IHMMIS margine sea bud is, ua tunonum olongatia, apice looga aueouatis. «aulims internodio 3—l\Ao btoiiioibus, vagina folii JatHuJine >--4-plo longion. flon-^us terminalibub v<l 2—5 npproximauf aubaoaibbua vel inforjon remoto. bractcis ^nis strRmineH caljci adpicssis, obsolete striatA oblongia mejnbranaceo-margieatis •>btiiuaculiH doiao ID mutroneju tuuueu brevem products, calyca aquamia duplo longiore glauco«siriaio in denies ovntov obtuauaculos ciliatuloa mucronulatoa flaa. *petalorum* ungue longusimo in launnatn minutam flavidam breviter exsartam ad me-dium uaque paUoatm 7—V-nmbriumm diiatato, areola inusm^dia ovata — Creaoit m flMiiria rupium Taun isnuriri mtor Kara man et Enneuek in daaccnau ad tallem Djoksu all 3000 ped
- II 0. ATOMARIUB Doiv» 1 i 71 f — Glabeiriuiuv vindu rbuouiate aubUgnoso pkni-cipiti aurculjtf steihbus subnulln couiubua *menu* berbacem 1—8-floria, follts Inc« Imeoribus subirui'MMis, inferne Miliuimalicul uis Hacculo-fleKUoais, radicaibus cito c\-\vccauis abbrevintM, raulnuv iitei nodiu longionbus, nupremis altenuoto^acuniinntit. caljcos diimdia aequantibut \ogua margma *menihranuceu* tonora foli latfludme 5»> quilougioii. Ilonbub brevitei podumulaiia, squanus calycima quaterma *oh\oigi**, noi-gine fubuiha subenoniH, in inucroneiu foliaceum aubulatum daccidum ua longierom ba>ui denuum culyobi auingentcm aitonuatis, calyua tubo alongaio cybndrico tiridi-Mriato. deutihua tiangulan-laiiccolatii* aculis. margioo cilialtui, petaloruni unguibus J>ubvxaert« iongiaaimis III laminam pan am flavidam glabnuulam minute oigio-lunctatam o)ata-cuneauim ad medium u«que llmbuauim dilatata, laminae aieola ovata. — (i ei>cit ad laditUH inontia Uemawonu¹ supra pagum Ask.

Icon Addenda.

- b LONGIGLUMIS Hoile — Ulpra Hopert V 77 no I — A. Rub. Tentam. fl. Abya«. I 42. lab 12

5244/j. T U N I C A Scop.

(*Dtanthi* aec(3 Eudl Gen plant p 071. — *KoMrautJKa* Km.)

- 1 T -> (DIANTHUS) MORRJIWI Hanco in Hook Loud jouro. Pf W. VII. 472 - Coulibus „decumbeniubua ramoaia paniculais poucinoria, Oorlbua aubgemlnatia, aquomis calycemis >onia ovati« acuminatia, calyce triplo brevionbua, polalm iliubnati*, tubo toljcis duplo i>rovioll»us, folns lancoolato-subulatia — la China, in nmila Hongkong
- 2 T GRAMINEA Hoiaa UngnoM |<ni, orient, nov. VIII p 60 f — Percunn caullbus »uniero8i8 tenuissimis. >uh lente brljafime luriulis nstcoilecutibus, parco ramuloais stuctie. npice diobolouio pnmculniit puucillorid, folns sciaieu-triquetris, auperne *suU. calie*, margino scabndio sultincunis. supoiloubus nbbrointi«, axillis mforionbus fascicula foliorum edi'iitibih, Ilonlnh ^oluaiiH, pedicelli* icnuibus >Ucido-liispiduli9

- calyce 1—8-plo longioribus; calyce basi nudo brevior campanulato bispidulo nervi inter quinque villas lalas viridos albo-membranaceo, demibus rotundis obtusis albo-marginatis; petalis calyce duplo longioribus, ungue nudo in laminam obcordatam dilatato; capsula calyci aequilonga; seminibus latere exteriori planis, interiori carinatis, umbilico centrali donatis obovatis obtusis, margine attenuatis acutis acute alatis. — *Gypsophila jruminca* Flor. Graec. — Crescit in lapidosis secus vias propo Calamata Messeniae.
3. T. SIBTHORPII Boiss. l. c. 61. f — Perennis, tota sub lente pilis minutissimis glanduliferis obsita inullicaulis: caulibus erectis rigidis, inflorescentiis simplicibus foliosis, superne angulosis allernis ei breviter ramosis, paniculam confertam saepe fastigiatam formantibus; foliis anguste linearibus acutis strictis trinerviis, margine scabridis; pedicellis calyce brevioribus; calyce basi nudo oblongo-obconico glanduloso-ursuto inter 5 fascias virides trinerviis albo-membranaceo, nervis tribus apice in unum coalitis, dentibus ovatis aculis albo-inarginalis, nervo excurrente breviter mucronulatis; petalorum unguibus in laminas albas anguste obovatas attenuatis; seminibus oblongis planis. — *Gypsophila llyrica* Flor. Graec. non L. — *G. armerioides* Ser. — Crescit ad radices Taygeti, ad montem Delphi Euboeae, prope Lebadeam Bocoliae, in Troade et in collibus insulae Amorgi.
- i. T. OLYMPIGA Doiss. l. c. f — Annuum vel biennis glabra: caulibus teretibus erectis, inferne ad nodos incrassatis, fere a basi rumosis; ramis trifloribus erecto-patulis, pluries dichotomis, paniculara elongatam sparsinoram subcylindricam formantibus; foliis radicalibus rosulatis expansis lato-linearibus abbreviatis acutiusculis, subtus trinerviis, nervo medio validiori, caulinis strictis angustis aculis, internodio brevioribus, omnibus margine scabridis; pedicellis simplicibus rigidis, calyce 2—4-plo longioribus; calyce basi nudo glaberrimo obconico, inter 5 nervos virides membranaceo, dentibus triangularibus acutis albo-marginatis; petalorum ungue nudo, in laminam oblongo-linearem fixatam obtusam dilatato; capsula calyce longior; seminibus minimis obovatis planis exulatis, latere interiori concaviusculis carinatis, exteriori convexulis. — *T. sylvatica* Boiss. — Crescit in umbrosis montis Tmolii Lydiae ad Dozdrag, in silvis abietinis regionis superioris Olympi Bithyni.
- o. T. ARABICA Boiss. l. c. 62. f — Annuum totum glanduloso-pubescentem: caule humilio basi dichotomo et subdivaricatum paniculato-rimoso; foliis margine scabridis, cacterum glabris, radicalibus oblongo-linearibus, basi attenuatis obtusiusculis, subtus obsolete trinerviis, caulinis anguste linearibus brevissimis strictis acutiusculis; pedicellis erassiusculis rigidis, calyce sesquialongioribus; calyce obconico parvo glanduloso puberulo 15-nervi, nervis obovatis in 5 fascias virides membranaceas albas sejunctas ternatis approximatis, apice in unam confluentibus, dentibus triangularibus aculis membrana alba usque ad apicem producta marginatis; petalorum unguibus in laminas albas lineares calyce inclusas subangustatis; capsula aequilonga; seminibus planis concaviusculis nigris punctatis, nuda a semine non distincta cinotis, apice emarginato-bilobis, umbilico supra centrum sito. — Cresta in desertis Arabiae petraeae Palestinam versus.
- «. T. HISPIDILLA Boiss. & Heldr. l. c. f — Annuum totum glanduloso-hispidulum: caulibus tenuibus a basi dichotome et divaricatum ramosissimis rariusque flexuosis, paniculam cylindricam formantibus; foliis omnitertrinerviis glabriusculis, margine lacivibus, angustis linearibus setatis cretulo-patulis. superioribus brevissimis; pedunculis tenuibus, calyce 2—4-plo longioribus; calyce anguste obconico glanduloso-puberulo, elevatum 15-nervi nervis inferne aequidistantibus, apice lantum ternatis approximatis, involucris membranaceis. dentibus ovalis late albo-membranaceis, nervo excurrente breviter setaceo-mucronatis; petalis anguste linearibus, calyce vix longioribus, lamina pallide ochroleuca bipanata, laciniis brevibus ultra medium acute bifidis; capsula calyci subaequilonga; seminibus planis nigricantibus punctatis alatis, apice emarginato-bilobis, umbilico supra centrum sito. — Crescit in declivibus calidioribus Tauri Pamphylici in regione inferiori inter Maria et Adalia.
- T. SYRIACA Boiss. l. c. 63. f — Glaberrima nigrescenti-viridis perennis, basi suffrutescens inullicaulis: caulibus simplicibus rectis vel ascendentibus, ad nodos superioribus saepe fusciculis simplicibus uniaeris, rarius ramulo ancis nigricantibus asperulis

foliis parvis anguste linearibus crassiusculis obiusiusculis, supra sulcatis, subtus carinatis, margine scabridis, strictis, internodio 3—4-plo brevioribus, basi breviter connatis; bracteis 8—10 calyci subaequilongis lanceolatis acutissimis subpungentibus, praeter nervum rubrum crassum anguste albo-membranaceis; calyce oblongo-campulato brevissime puberulo, tubo cervi albido, dentibus albo-iriplo brevioribus oblongis nigricantibus albo-marginalis; petalis amaris linearibus obtusis, ungue nudo, lamina pallide rosea breviter exserta; capsula. . . . — Crescit in rupibus Syriae borealis pone urbem Antiochiam silis.

8. T. THESSALA Boiss. 1. c. f — Perennis glabra, basi suffrutescens multicaulis: caulibus viridibus asperulis tenuibus strictis simplicibus junceis, superne angulatis, apice capitulum bracteatum conicum 3—4-itorum ferentibus; foliis sub anthesi jam exsiccatis anguste linearibus, apice attenuatis uninerviis, margine lacubus, internodio 3—4-plo brevioribus; bracteis calycem aequantibus ovatis, dorso stramineis subcarinatis uninerviis, margine lato albo-membranaceis obtusis nervo excurrente saepe mucronulatis; calyce obconico glaberrimo praeter 5 nervos validos, inferne virescentes, superne nigricantes omnino albo-membranaceo, ad medium usque in dentes oblongo-lineares obtusos mucos late albo-membranaceos diviso; petalis. . . . — Credit in Thessalia.

524%. **AWKYROPETALIOE** Fenzl

(Wlprs. fl. pers. V. 77.)

1. A. COELESYRIACUM Boiss. Diagn. plant, orient, nov. VIII. p. 59. f — Perenne glaberrimum: caulibus subaphyllis teretibus, a basi patentim et dicotomo ramosissimis, ad nodos inferiores incrassatis ramisque rigidis divaricatis ramulosis intricatis fragillimis; foliis a basi, partem inferiorem caulium linearibus obtusis, basi attenuatis carnosiusculis plano-subconvexis uninerviis, superioribus brevissime et anguste linearibus subulatis teretiusculis, omnibus post anthesin deciduis; floribus in dichotomiis supremis et ad ramulorum apicem solitariis, pedicello setaceo ramulo triplo tenuiori calyce 2-plo longiori suffullis; calyce florifero cylindrico, pube brevi glandulifera obsito, quinque vittis latiusculis viridibus rubelliusculo percurso, inter eas albis, dentibus breviter breviter obtusis albo-marginatis; petalorum ungue linearibus cuneato e calyce exserto in laminam purpuream tripartitam abeunt, laciniis lateralibus linearibus, intermedia vix longiori linearibus, apice cuneata in aperturam obtriangularem transverse latiore truncato-rectam horizontaliter breviterque bimucronatam dilatata; ovario 8—9-ovulato; calyce fructifero breviter ovato, demum ruptili; capsula ovata, demum basi in 4 valvas secedenti, basi incomplete biloculari; seminibus ternis nigris reniformibus subcompressis vix compressis, eximie seriatim rugulosis. — Crescit in incultis Coelesyriae inter Balbeck et Zachle et inter Rascheya et Deir et Khamar.

5245/4. **JORDAHTIA** Boiss. y Heldr.

(Boiss. Diagn. plant, orient, nov. VIII. p. 94.)

Calyx tubulosus membranaceus 5-nerviis brevissime et inaequaliter dentatus. Petala 5 cupulae membranaceae hypogynae summo margine cum staminibus inserta linearibus cuneatis, ungue sensim in laminam purpuream dilatata. Filamenta filiformia alternatim inaequalia. Ovarium breviter stipitatum uniloculare pauciloculare, ovulis campylotropis, placenta centrali abbreviata. Styli duo filiformes papillosi. Capsula minima substipitata, calyce multo brevior, ab apice ad basin in 4 valvas dehiscens «—3-sperma. Semina reniformia subcompressa, sub lente minute tuberculata. Embryo periphericus, radicle infera in rostrum producta. — Verbae perennes Orientales facie *Quercum*, *Minuartiam* vel *Arenariam Wgregatam* referentes: foliis subulato-setaceis strictis, basi connatis; floribus parvis in cymis fasciculiformibus densis bracteatis squarrosas terminales sessiles vel breviter pedunculatas facillime secedentes connatis; calyce 2 bracteis setaceis basi connatis suffulto.

1. y MINUARTJOIDES Boiss. ft. Hl. r. Diagn. plant. orient. nov. **VIII**. p. 94. f — Cnrcspitosa frispidnln: caulibus ascendentibus vel pro strati s ramulosis; foliis swbulatis rigidulis; bracteis subulatis, apice subrecurvis, fnsiculis pturifloris densis; petalis iincari - ctmeatis, apiee retusis. — *Ileterochroa mimtartioides* Jaub. & Sparb. — Wlprs. Rcpert. V. 80. no. 5. — Grc*cit in Phrygia propc Selenli, in collibus aridis prope Egirdir Pisidiac, propc Elinalu Lyciae.
- 3* *compacta* Boiss. 8r Huldr. 1. c. — Spcciei quoad folia cl flores similis, sed caules subnulli, fasciculi florum c pulvino \ix exscrti. — Crcsch iq coHibus aridis inter Beyehchr et Koniah.
2. J. SPERGTLAEOFOLIA Boiss. 1. c. — Hispidula: caudtculis fruticulosls repentibus; rami» reetis brevibus foftosis, opice fasciculos paucifloros subsofrtarios ferentibus; foliis bracteisque ffliformibus; petalis lineari-cuneaiis integris. — *IMerochroa spergulaefolia* Jaub. ft Sptfch. — Wlprs. Rcpert. V. 80. no. 6. — *Cros'n* in Plirygin cum specie prae- oedenii.

5246. SAPOMARIA *Linn.*

(DC. Prodr. I. 365. — Wlprs. Annal. I. 91.)

1. S. (*BoUmthus*) PILICAULIS Boiss. Diagn. plant. orient. nov. **VIII**. p. 71. — Pcrennis, ima basi sulTrutescens, tola brevissimc ct dense tomeniello-canescens: caulibus illifor- mibus lerciibttis clongalis prosiralis remote foliosis, lax« cl dioUoiome pamosis fflagili- bus; foliis interioribvis oblongo-Unearibus, basi allenuaiis acuviusculis, superioribus ovato - oblongis obtusiusculis; floribus ad dichotomias sh\s pedicclJo calyce *brevlore* sulfultis et in fasciculos 2—3-floros secus ramulos scssilcs vel subsessiles inler se remotos lermialesque disposilis; calyce tomentello cylindrico latitudine triplo **loogiori** obscure rasciato-urenti, inler fascins albido, deniibus 5 brevissimis triangularibus ob- tusis; petalorum lamina alba ovaio-rolunda; capsula . . . — Crescit in flssuris rupiuD* coJJim ar'tdissimorum supra Daojascum sitorum.
- ii. S. *MOLLIS* Doiss. I. c. 72. f — Poronnis. *ima* basi suflrutescens, tola molliter bispi(^{ra} **grisea viacidula: caulibus crceclis icnuibus fragililiis simplicibus \el supernc diohoio-** mis; foliis inferioribus aggrcgalis linearibus, basi attenuatis, superioribus ovato - Vel oblongo-elliplicis, omnibus aouliusculis; floribus in dicholomia solitariis, pedicello calycebreviorisulTultisct in fasciculos axillares el terminates 1—3-floros subsessiles inter se **remotos disposilia; caJyco molliter hispido ohlongo-cylindrico laiiudino duplo longidri**, inter *costas* angustds virides membranacco, dentibus triangularibus acutis; petalorum lamina aJba ovato-rotunda; capsula oblonga calyce breviori; serainibus sub lente *ml'* nuc -tuberculatis, radícula clongata rostriformi. — Grcscit in flssuris rupium calcarea* rum citra Eden Libani.
3. S. BARRADENSIS Boiss. 1. c. — Pcrennis, basi suflrutescens, sub lcnlo minulissimc tomentella flavido-virens: caulibus ereclis fragHibus lenuibus, superne parce dichoto- mis; foliis inflmisconfortis anguste lincaribus, superioribus brevibus lineari-oblongis, om- nibus acutis, basi attenuatis; floribus ltd dichotomies et atillassolitariisveibinis; pedicello calyccm aequanti vel superanti suffultw; calyce^l brevissime tomentello oblongo-campo- nulato latitudino vix duplo longiori, inter costas 5 tcnues vlrescenti - mbentes albo- membranaceo, dentibus quinque triangularibus brevissimis acuth; petalorum lamina alba parvn ovato-rotundo; seminibus sub lcnlc minute tuberculatis, radícula pro mine n- ti. — Crescil iu flssuris rupium Antilibanr ad Souk Wadi Barrada.
4. S. (*Proteinia*) SYRIACA Boiss». I. c. 72. f — Annu? tola hirsute-Viscida: caule erccio opposite ramoso: ramis pluries dichotome ramulosis; foliis inferioribus oblongis obtu- sis, in petiolum attenuatis subtrineriviis, rancorum scssilibus **eliptico** - liroaribus obtu- siusculis; floribus ad dichotomias et axillas superiores pedicello tenui calyce paulo breviori suffultis; calyce florifero cylindrico, fructifero oblongo-conieo hirsuto - viscido viridienervi, dentibus triangularibus acutis; peialis linearibus, apice acute emorginalt- bilobis; capsula calyce poulo breviori; seminibus reniformibus compressis, seriatim luberculatis. — Crescit in Syria.

5. *S. (TiolitO) PAMPHYLICA* Boiss. ft loldr. 1. c. 74. f — Peronnis. infernè glaberrima, inllorçscntia valdc glanduloso-hirsuta: caudicibus crassis lignosis • apice ramosis. fasciculos breves foliorum caulesque torctes foliosos subsimplices erectos edentibus; foliis lineari-lanccolaiis Airidibus uninerviis aculiusculis, ha si longe attcnualis, superne latioribus, caulinis abbreviate, mternodio paulo brevioribus; floribus 4—5 in fasciculum terminalcm rarius 2—3 approximaios confertis, brevissime pedunculatis magnis; foliis summis bracteaformibus brevibus, a basi oblonga seiaceo-recurvis, pedunculos nequanybus vel superanlibus; calyce florifero longe cylindrico viridi subonenri liirsuto viscosissimo, dentibus lanccolalis sctacco-acuminatis; petalorum ungue apice exserto, in laminam lineari-cunccatam ad medium usque in lobos oblongos bilobam dilatato. corona in 2 iacinias lineares bipartita; capsula. . . . — Crescit in saxosis Tauri Pampliylici in via inter Maria et Adalia, alt. 4000 ped.

5248. *SIIIIEIVE* Linn.

(DC. Prodr. I. 367. - Wlprs. Repert. I. 272. II. 776. V. 81. Annal. I. 91. ft 958.)

t *Species annoae**

- *. *S. CIIRENSIS* A. Rich. Tent. flor. Abyssinic. I. 44. — Pubens annua: foliis inferioribus. oblongo-linearibus, caulinis angustis lineari-setaccis aculis pubentibus, basi cilia-Us; floribus laxc spicatis, erectiusculis aut semipenduffis, brevier pedunculatis; calycis apice subclavati 10-striati pubentis dentibus laiiceolatis acutis, margmc ciliatis; petalis usque ad medium bifidis, lobis oblongis obtusis; capsula ovoideo-oblonga clavato. — Crescit in campis provinciae Chire" in Abyssinia.
2. *S. PENTELIGA* Boiss. Diagnos. plant, oriental, nov. VIII. p. 74. f — Annua, tow brevior pubescens yiscida; caulibus 1 — 5 pumilis, superne bis vel ter djfhotomis; foliis parvis oblongo-spathulatis, inferioribus in petiolum brevissimum attenuatis, supremis minimis bracteaformibus oblongo-linearibus acutiusculis; floribus ad omnes dichotomias ei ad apicem ramorum terminalium shis; pediceio crassiusculo viscido ilorum dichoiomiarum calyce Jongiori, aliorum calycem aequanti, fructifero semper erecto; caJyce dense et breviter papilloso-viscido chvato-obconico viridi-rubello enervi obsolete jincato, dentibus 5 triangularibus aculiusculis brevissimis; petalorum *ungu« linear! •n laminam parvara cuneato-retusam sensim dilatato; corona usque ad basin in 2 lacinias triangulari-oblongas obtusiusculas divisa; capsula oblonga Crustacea flavida eximie punctulata, carpophoro ea triplo breviori suffulla; sominibus reniformi-compressis, tenuisime rugulosis, dorso canaliculatis. — Crescit in arenosis ad radices montis Pentelici Atticae.
- *. *S. PINETORUM* Boiss. & Heldr. I. c. 75. .+ — Annua. inferne brevissime papilloso-puberulo, superne glabra viscidula: caulibus nanis a basi divaricatim semel terve dichotomis; foliis radicalibus carnosulis obovatis vel oblongo-spathulatis obtusis, in petiolum brevem attenuatis, caulinis linearibus acutis minutissimis bracteaformibus; floribus terminalibus vel in dichotoraiis sitis, pediceio filiformi, fructifero erecto. floro 2—3-plo longiori suffultis; calyce florifero obconico, fructifero ovalo-ckiTato glaberrimo virescenti aubenervi, obsolete lineato, dentibus quinqu? late triangularibus obtusiusculis onguste albo-marginatis; petalis e sicco albidis vel pallide carneis concoloribus, lamina exserta cuneata semibiftda; corona ad basin usque bipartita, partitionibus quadratis truncatis subquadridentatis; capsula ovato-rotunda Crustacea flavida minutissime punctulata, carpophoro ea dirai<jio breviori suffulta; seminibus reniformibus compressis, dorso profunde canaliculatis, tenuissime rugulosis, facie laevibus. — Crescit in apricis lapidosis pinetorum loco Psycho dicto in latere meridional! montis Tavoutsi prov. Sitia Cretae alt. 3000 ped.
4. *S. HUSSONI* Boiss. 1. c. 76. f — Annua brevissime birlcila: caulibus pumilis u basi pluries 4ivaricatim dichotomis; foliis radicalibus subrosulatis caulinisque parvis oblongo-Uinceolatis acutiusculis vlrldibus; floribus ad dichotomias ei extrematcm ramulorum

- Mtis, pedicello sctacco calyci acquilongo >cl longion huclifuo sacpe palulo-deflecu suffultis calyce florifeio obcouico fiuctifcro oblon^o-clavalo Mūdulo cnem viscidulo fere ad teitiam pattern usque m dente^ luangulaii- lanccolalos aculos mcmbianacco-maignatos flsso petals wguste linoaii-cimcUis o s-KCO flawdis apice bicm&ime cv-serlis, breviter bilobis nudis c*apsula cahtcm tequinii teneia ovata carpophoio ci dndio breviori suffulta semimbus minima unit iuubiib cxunie lugulosis, dor&o non canaliculate — Ciescil in aienos>is ad Wadi banneui de^crti Aiahico-Acgjpliaci
- 5 S EXSUDMS Boiss et Heidi I c 76. f — Annuā biemsime papilloso, toraentelē seeus caules el tamos Mscidula caulibus pluiibus* pumilis. ijubellis a ba&i pluncs el divancatim dichotomic lami* lonuissnnis ngidulis foliis. omnibus caulims minute oblongo-lineabus oblusiusculis, ba^i atlcnualis, infUionbus supcinc canaliculate sicpe subreucivis supicmib lincutbus minulesimis flonbus ad dicholonuas suprema* am ad lamulos terminales site pedicello sclicco rihecm acquanii |t| (in dicbologia) duplo longion suffulli^ nt\te oblojigo-clavalo brM&binic papilloio - pubciulo albido costato 5 lincis MU>centi-nigucanlibus, saepe obsolete pcicur&o denlibu>> luangulanbus atutis maigine ciliolalib, petals iosen> cuncalis scmibilldib, coiona bio-Mssima vix pciapicua ad basin usque 5—6-dentiuhli tapsuh ethce paululum iongion cru^tacca flavida, tenuissimc punctulala o\ata, caipbphoio ea piulo bie\ion Miffulta s(minibus reniformi-tompiesM^ (immauus) Iac\ibus — Ciescit in arenosis mantimis portus Tschinoxa Ljeiac
- 6 S SALSA Boiss I c 77 f- Annuā, paicc cl brevitei luilula caulibus pumilis a bast divancatim ditbotomis iann<que liliformibuc ngidulis foliis anguste lineabus ton\oluio-pticaiis iculiusculis flonbus in dicbotoniis superioiibus et ad ramulorum apicem pedicello setiuo cal)cc 1—2-plo longion, luclifcio palulo suffultis, calyce patule el spaiMin pubtiulo angu^te clavalo iincis quincq Mridibus e dentibus decur-jentibus meinbrain nlbo-Inalina sepaialis pcituiso dtnlihu^ ti langulai i-lanceolalis neulis all)o-mai,cinalis longiusculc ciliati-j, petals c sicco flavidis, lamina lineau-tuneaia ctscria, ciljcf dinndio bievion angu&tc scmibiflda, corona , capsula oblongi Crustacea lenra cahec paulo brevioie, carpophoro ea paulo longion suffulta seminibus (immaius) laoiibus — 5 Imeatis <|BT tenella Fonzl — Cies>cil in solo salso nd hcum Nomok Deija pi ope Sclutaz
- 7 i> CASSIA Boiss 1 c 78 f — Annuā \cl bicnnis Airidia bievissimo scabrida caule tlato a b*asi opposite ramosissuno, lamis stuctis ngidulis elongalis dichotome ramosis \isciduis pamculam dTusam fonnanlibus loins* angulc linean-complicate acutis, apicc saepe subiecuims, supiemis biactcaformnbus sctaceis bicMS>imis, flonbus ad dichotonuas suprcmas et ramulo^ leinunales pedicello flJiormi sempei recto, cahce 2—3-plo longion suffuliib calyce florifeio clongato cvlindiico-clavato brevitei et sparsnn scabndo 10-costato, dentibus ex basi lanccolata subulate, maigine non mem-branaceis petalorum lamina lincan-cuneata, bieviler excita ultra medium m 2 lobo's linearcs bipartita corona minutissima in 2 lacunas o\ata< partita capsula oblonga elongaia calvccm aquante Crustacea dura flavida minute punctala caipophoro ea paulo brtMon sulTulta, semuubus remfoiml-compressis rugulosis, doiso canahculatis — Crescit in svhatici* jugi Cassu
- 8 S ECHLNOSPLRMA Boiss. et Heldr. 1 c f — Annuā vel bienms vindis, infine bre-Mssime scabuuscula supeinc Mscida caulo clato tcieti a basi opposite et laxc ramoso. ramis clongalis dichotome lamulosi^ pamculam li\illoiam foimantibus, nodis a loid is in mid is foliis infciionbiib ui^ustc lauccolalo-lineabus obtusis \ el acutiusculis, caetens lincan-suhulatii summit mminiis biactcaformubus, flonbus ad dichotomia⁹ supiemts et lamulos tenninales biti^, pedicello caljcc longion, fiuctifcro erecto suf-lultis calyce glabio elongato-cla^ato₁ infenio angu^tissimo mcmbanaceo-hjalmo albido concolon \el lineis m_niis rubellis\c percuiso dentibus late et brewter tn-angulanbus acutis laininis pelalorum amplis longe cxseitis* cuncatis alb is subtus pallide lubello-pictis, ad medium usque dnaucatnn bilobis. lobis lineabus obtusis. coiona ad 11_{asm} usque flinbriaio-muluflih flmbuis longis setnceis aspeiulis, capsul> oblongi cmstacea e\inU>> punctulata carpoi>lioro aequilongo suffulia^ senunjubu>arf*

11
FXF

formibus eximie et crebrius nchinati? — *S ngulula* Holdi non Sibth. — Crescit in colibus prope Athenas in fauco Paion Ta*geti supia Mistia et circa Androuvista Messeniac

*) *S LASIOSTYLA* Boiss 1 c II f - Annul ton dense gnseo-tomentella viscida tiulibus pluubus pumiles dccumboniibus astendpntibi^e basi paice et alterne ramosis folns scssibbus linoaribus subll iccidis nculiusculis obsolete uninenns, supenonbus scnsim angustatis abbrcuitisque floiibus secus ramos tciminales paucis laxis secundis peduncule tenui sub inlhrsi ciccto-pilulo oh mm sabaequantis suffultis, cahec per anthesm e\acte c\linihico in?usto Insi ibiupte tiunrilo bicMter luito viscido membranaceo? fisso hmna potiloium ios< i cuneita id leiiiam pniom divaricatim bilobi patula in unguem inclusuni subito rontiacti (oronie pioniinulac bilobae lobis ovatis obtuMs sulis longe evsertis ciliali«quo pedunculis ilcfloralis patulis -|e| deflexis f|>ci erpcto inflalo oblongo subioquilongis opsula cahec inclusa crustaceo-teneia mtidi fla^a conica apice atienuitn dentibus aurantiacis mucronatis carpophoro aequilongo suffuha seminibiw rcmformibus dor^o coinexis vix compressi!», sub lente itnuiisime tuberculins — ^ *ullosa* Boiss — Ciescit in aronosis calidis mantimis et moniams I usiianiic ot Hispinnc nntialis et id Tingidem

A0 s *PALAESTINA* Boiss 1 c 80 f — Annuu tola longe hispido-MSCida flavescens. caule crassiusculo a basi plurics diciotome lamoso ramis rectis stnctis in racemos longissimos abconlibus folns oblongo-bncanbus ndicnibus obtusis basi broitor alternatis, caetens acutiusculis flonbus in racemos laxis umlaleiales dispositis, pedicello erecto cahec tnplo bre\ion suffultis bractcolis binis, allera setacca minima, alteia linoan pedicellum superanti, calvcc cjlmduco-subclavato albo-membranaceo, 10 lineis nibus percurso, patule lursulo - glanduloso denlibus* rubellis glandulosissnii^ oblongis obtusis, unguibus petalorum albis angustis, limbo amplo intenso purpureo fere ad basin usque in 2 lacimas obcordatas divisio. coronae albidae bipolaritae lobis brevibus truncato - tndenticulatis pedicellis fructifei is ei ecto - patulis capsula erecla cahci aquilonga cumque distendenti ciustacea dun punciicuhla oblongo-ohndnca, apice subcontiacta caipopboio en fere tnplo brc\iori suffultn sejmnibus miinms reniformibus laeviusculis, doiso rinnlicuhns, utraque facie e\ca\atis — Ciescit piope Gaza Palaestinae

11 *S IELDRICHHI* Boiss 1 c 81 f — Annuu tola pilis papillanbus elongatis cnspis birlula gneco-virens caulibus plnnbus ascendntibus rubiisvel inferne parce ramosis in racemum longum umlateralem abcontibus folus ladicilibus oblongis >el oblongo-spathulais obtusis, in pcliolum longe attenuatis, caulims sessilibus ncutiusculis mu-onulalis, flonbus sessilibus basi 2 bracleis oblongis vel angusto lincanbus acutis aequahbus, calyccin dimidium aequantibus vel superantibus basi suffultis caljce cylindneo ima basi subangustato 10 nervis elevatis vindibus percucso, intei eos albo-luahno pilis papillanbus cusculis dense luspido, dentibus lanceolatis acutis anguste albo-marginatis petalorum concolorum lamims cuneatis, ad tertiam partem bifldis. coronae brevis bilobae lobis mtegris, ova no cjlmdnco stipite ei subaequilongo suffullo, capsula

var a. bractee lineares, pciala alba

var ^ . bractee oblongae. eae florum inferorum caljcem aequanties, petalarosoa

— Crescit var a. m saxosis apricis prope Ala^a Pamphyllae, var P« in colleiKourmalu non procul ab Adalia

*2 *S (Conomorpha) PAMPHYLLICA* Boiss a H«ldr 1 c 81 + — Annuu brovissime pubescens subviscida caulibus basi stnato-sulcatis crectis simpheibus, npice breviter dicbotomis 3—5-flons, folns lanceolato-linearibus uninenns inlenonbus basi angustal's, pedunculis crectis ralyccm aequantibus ant eo paulo longioribus, caljce breviter papillari-glanduloso, flonfero c\lifidneo. fructifeio campanulato ad medium usque in denies e basi tngulan-subulaio* flsso, 50—60 nervis densis adpressis parallelis percurso, petalorum lamims purpureis cuneato-obcoidatis pitulis, cihcyliinidio subaequil^gis, corona truncata retnsa capsula breussime ot crasse stipitata ovata, dentibus

cahcim* breuon aomimbus lcniformi-rompte^sis il >i>o canaliculate tubeicuhu>> —
S macrodonta Heidi non Boiss — Ciesru ut cimji uidis Pnmplnliae piopo Adalia
 13 S AMMOPHILA Boiss a Heidi 1 c S2 f — Anmn mm muliicaulis totn brei>sinl(
 cmcreo-tomentclh tiuhbu* tnuibus iostiiti* iscondentibus\c mfcinc dichotonic *t
 parce iamosi» id nodos ippiumitoti* ba>i «ici f» «enirulatis foln» oblongo spatbu
 lalis obtUMs l'ulicibus in pctiolum us lon^iorpm ilicnualis tactens sessilibu* sum
 mis oblongo linembu<> K utiusculiu llonbi^ id i\ilh* ^upenorcs pedicello eieto
 pitulo us aequilon^o tip>ula duplo lon^ioie suffulUs paivis ciljce bicvisbime u
 dense hirlo-Mstidulo llonfuo anguslc cvhndnco fmctiltio o\ito campanulato viridi
 &sub-20-neri dentibus tiangulan-lanccolalis acuiis pctalis minimis bicvi^sinic exsci-
 tis capsula bicvitci o>itd dcnlibu^ cilyciniit puilo bicMon tencia \ix conacea .IC
 minibus i tnfirimbus compressis tonuissimc mgulosii doiso concaMiisculib —
 Cioscit in irenosis maniimis. ad hlalnmiil piovm n« Sun et in insuli GudouioniM
 prope Gn ap< ti a in < i eu

t f Specleu perenneſ<

- U b (*Vehui*) LITTORLEI> Joidan Cat du jard d Dijon *IHib* p 31 f — Racemis,
 unilaterahbus 3—8-flops pedicello cahce broMOiibus \el eum subaequantibus fru-
 ttifens palulis biacteis lanceolalo lincuibus berbiceis cilice flonfero c\lindrico fru-
 ctifero o\ato pilis minutib glandulosis nliisqnc longis albidis spaisim inlcrmixtis tecto
 lobis lineanbus tciiam lubi piiitm supcnntibus petalorum bmbo albedo parvo oblongo-
 obotato opite dentito vcl enmginito roromio (aljcpcaulo longiore coronae bifldac
 ultra medium tbsic lbi>> olihn^is obtusis stamimbus st\lum subaequantibus anthers
 Molaceis.)bbngi!> fihmenlis pilosis < i>ub> < omcu-o\oideac ad latera levitr sul-
 < atae denlibus ImcejltUs palulis (ihce bitMOiibus loliis obscuie \irentibus hispi-
 dis infeuonbus oboMto oblongis Imi cuneilis npite subapiculatis supenonbus linea-
 nbus itutis cault enrto a basi id apicem nmoso bncluaio ramis undique hispido
 ghndulosib patenlibus infeioubu^ flon^atm — Habitat ad littoi \ sabulosa prope
 Port-Yendie etc
13. S SPATHULALFOLIA Joidan I L — Pamcuho amplae pjiamidatae tnchotomae us-
 cosissimae lanus lateialibus clongatis id nodos subinflexis demum erecto - patulis
 bracteis berbaceis lineanbus acuminatis tahcis \iloso-\iscosi modice inflati demum
 fere obo\ati basi attenuati ICMtei uinbilibm dcnribus breMbus hnccolatis acutis pe-
 talorum limbo ultra medium bipaitito sqinnis 2 hnctolati^ acutis ad faucem praedito
 ungue lontan uiunqup ittenuito imi bisi subcilnto eviunculato cap>ulae oblongo-
 o^oideic cahcun franfirntc nno lpicc eximic ittenuilic obtu^ae deniibus crectis cias-
 sis dorso convexo-gibbosis in icumen patulum pioduclis semimbus tubeiculati^ sub-
 acutis foliis lacte Mientibus mollibub utrinque breuter denseque pubccentibus, m-
 feiioribuo rotundato- vcl o>ato-spithulati> ipite obtusissimis fere tiuncatis inferno in
 petiolum lineaicm elongatum ullosulnm subcontractis, caulims lanceolatis acutis
 basi attenuatis supenonbus acuminatis caulibus orectis lamosis pube breM et donsa
 tectis caudice lignoso caespitose — In collibus lapidosis Galloprovinciae
- lb S VARIEGVTA Boiss 0. Heldr Diagnos plant orient nov VIII p 82 f —
 Perennis glabernma ibizomate clongato subterraneo rcpeni ramoso caudiculos tenues
 albidos nudos inter lapides serpenles apice breviter et subrosulatim fohosos scapi-
 foros edenii suiculis s^nlibus nullis folns glauco - caesus carnosus plants oiii-
 culanbus ovatis mius oblongis in petiolos brevis&imos basi connatos magis minusve
 obrupte cuneaio - ittenuaiis, saepe basi*rotundatis obtusissimis acutmsculisve, margine
 cartifagineo anguslo lcmote denticulalo - scabndo donatis scapis e folns brevissime
 exsertis, mferne folia minuta oblonga bma dcentibus, apice dichotome 3—7-floris
 bracteis minutissimis lineanbus acutis ciliatulis pedicollis calyce brevionbus calyce
 flonfero oblongo-cylmdnco caesio albo- puipuoique- \anegato, decemneri nervis
 apice \lx ramulosis non anastomosantibus, dcnribu^ ovaio- triangulanbus acutis, apoc
 ciliatulis calge fructifero ovato capsula distonso petalioium ungue albedo a basi
 sensim dilatato cuneato, m lamunm griseam violaceo-pictam eo angusllorem in 2

lacinjos brevitor obiongo-Ilneures bipartiam contracio; coronae albae blpartitae laciniis ovalis subtruncatis; staminibus violaceis slyisque ciliatulis long* exsertis; rnpulo ovata calyccm acquanti, carpophore crasso brevissimo suffulta; seminibus reniformibus compressis, facie concaviusculis convexis, tenuiter rugulosis. — *Lychnis Cretica montis 'Mae folio subrotumlo caesia* Tournef. — *Lychnis variegata* Dsf. — *Cucubalus cyclaminus* Sicb. — Cioscii inter lapides montium altiorum Octae, monte Ida, inontibus Lassili, moniibus Sphnciotiois ml Iellino -Scli supra Omalo ot monic Stravopodia all. 6000—7000 pcd.

17. S. PIYSALODES Boi&s. Diagn. plain, orieni. nov. VIII. p. 83. f — Perennis minuiissime crispulo-toineniella: caulibus crasaiS herbaccis, intus inanibus ramosis teneris proccris; foliis amplis toneris quinquencniis ovalis attenuato-acuminalis, inferioribus in pctiolum longum breviter atenuatis, caulinis sessilibus basi cuneata vel truncaia brevissime connaiis; ramis superne dichotomis; floribus ad dichotomi&s sitis et racemos breves terniiales bracteatos formantibus; bracteis inferioribus magnis cordato-acuminatis, superioribus oblongis vel obiongo-linearibus, pedicellos subaequantibus; pedicellis leniibus primum brevissimis, dein refractis cum calyce elongatis. *Us djchotomidrum pracerlim longis^imis*; calyce tenuiier inembranaceo-virescentk, antbesi ineuote angusle cylindrico, dein cito erecto, fructifero inflaiissimo plicato obiongo, superne tubangustato, dentibus triangulari-lanceolatis oblusiusculis ciliati*. nervis 10 inter se per totam longitudinom reticulatim anastomosantibus; petalorum ungue glabro, apice dilatato, dein subconiracto in laminam flavescentem brevissimam brevissime exserlam linearca bipartite, laciniis linearibus in 2—3 flmbrias setaceas flsis; corona in lacinulas setaceas multipartita; capsula ovata tenere Crustacea, carpophoro ea vix breviori suffulta calyccm dimidium vix aequanti; seminibus. mognis reniformibus subcompressis, dorso convexis eximie secus lineas periphericas luberculais. —* Crescit in dumosis Palostinae borealis circa Bania.
18. S. MACROCLADA Boiss. Diagn. plant, orient, no\ . VIII. p. 84. f — Perennis vel biennis? dioica: caule elato lereti, inferne brevissime tomeniello, superne viscosissiuo opposite ramoso; ramis \iscidis gracilibus vii'gatis elongatis, paniculam pyramidaUim longissimam nudam formantibus; foliis tomeniello-griseis obovalis obtusis vel acutiusculis, margine eximie undulato-crispis, radicalibus in pctiolum longum attenuatis; floribus secus ramps in fasciculos remotos, basi bracteis ininutissimis ovalis late albo-inembranateis ciliatis stipatos subverticillaUs, inaequaliter pediccllatis; pedicellis setaceis glabris; floribus mjnutis; calyce breviler obconico viridi glabro estriato, dentibus brevibus ovatis obtusis albo-marginatis riliaiulis; petalis flavidis anguste linearibus crassiusculis breviter exsertis, antbesi pcracia apice circinnatis; genitalibus, longe exsertis. petala multo superantibi^s; stylis Illiformibus. recurvatis latere convexo ciliatulis; capsula ovato-oblonga, apice attenuata, calyccm exepdenti omniao, sessili', seminibus reniform|b,ys compressis rugulosis, dorso canaljculatis. — In parte inferior! Tmoli.
- ^ . S. (*Conomorpha?*) FLAMMULAEFOLIA Sleudel mss. ex A. Rich. Teat, fl* Abyss. I. 43. f — Caespitosa birta; foliis inferioribus spat|ulato-lanpi3olatls aoulis., longe petiolatis, utrinque hirtis. rameis anguslioribus; ramis simplieibus, uni — bifloris, bifurcatis; calyco clavato hinissim,o, dentibus acutis. — Crescit in rupèstrilms regionis mediae montis semiensis Selki, Abyssinia.
- W. S. (*Stachymorpha?*) PRUINOSA Boiss. — Wlprs. Repert. II. 777. no. 8. — Beiss. Diagn. plant, orient, nov. VIII. p. 85. f [Diagn. cmendatal.— Perennis suffruticosa multicaulis, iota papillis minutissimis retrorsis pruinoso'-tomentella grisea: caulibus ascendentibus ramosis; foliis lanceolato-linearibus acutis, superne latioribus, inferne longe attenuatis; ramis oppositis strictis brevibus, apice dichotomy 3—7-floris, rarius abortu unifloris, paniculam brevem racemosam formantibus; calyce membranaceo-albido nigricanti vel rubello magis minusve distincte lineato; florifèro cylindrico, fructifero clavato glanduloso-hirto membranaceo rubro - vel viridi-siriato, dentibus ovatis obtusis late albo-membranaceis ciliatulis; petalorum ungue lineari-cunoato glabro, lanflna ungue longiori cuneata patulaad Vs bipartita, lobis divergentibus linearibus; coronae minimae btpartitae

- lobis o\iis cipsuln pm M^h* Icnc t / pnib-puncinn subglobo>>i in mucionem ei icquilonum icutum conico-attemnti süpilo ei (ibsque mucrono) icquilonum suffulti scinibus minimis lenilormi compicssis doiso romexi[^] scintim rugoso-tuberculatis — CiPscu in collibus piopp Ge\ri Ciuc in collibus topbaceis piope Douldour Pisidno
- 21 S CAPPYDOflCV Boiss ti. Hi UU I c 8d + — LIM suffulescens inulticauhs can libus sub Ionic 1 niinoso bniuli (orlico ilbicinle \ostm> id nodos inflitis iscendenlibus chlīs simplicil us \ol pico nm is ilus II ufcus ilus sicuhbus elongitis folios nmosnibus oictli f^h>> vindibus ribudis hncoohto lincanbus acuti* m- It 1 ne longp iticnili<> i\ili>> lisciculilf us folns fisrituloiuin anguslc lincanbus lion bus infasruulos opposiios ronfcililloios bitvilci podunculos racemos mterrupte \oi iicillitos fomntos disj OMN nhic fl)iif(io oblongo fiurtiforo oblongo cl ivnlo albo-mcinbianacco plicnlulo suluncni pmssmic 1 a st is sub lento srabndo cictcium „labio dontibus biOMbsmīs o\Tto 1 nun lis luo [rlhuido imiguntis cilntulis pla Joium ungue glabio in hmin mi n bieMOiem fluoscciuom ad % bi| aiuiiin dilatalo hcinus divoigentibus \nguj>to linoiibu[^] toiomc lnimmic bipaititae lobis o\itis cap- suh minuta cihte lon_nioie oblontp i) ico tonico ittenmta cdrpoplioro ciasso t< <uintuplo lucMOii sudulla scminli-s n min snbiciufoiimlms compicssiusculit. doiso convexis Hi[^]uloso tuberruhlis — S *sp uiuhfiha* vai *macionhiza* Htldi — Ciescil in (. nppadocn in Mncis I \cionnp prepc Konici
- 22 S Pf STVI 07/VF Hoiss I t 87 f — Risi sufluestens muliicaulis ton brevisbime pipilloso hululi ou[^]c\ cmlibus n[^]ocndcnlibus a basi iimulosis albidis ad nodos in- fl ais folns hnccohlo lnoiribus itutis mlcinc iltonuilib ixillis mfenoiibus folia fas duilita angustisMnn clentilnis flonbus in iasnculos oppbsitos confc rtillosos 1 emotOb jnfoiioics pedundihtos siipdioics subses[^]jlos ncimou inienuple \citicilhtos foi ma^u s di>posiis muuniis n1\ 0 llonftio conico c[^]hndneo ftuctifero o\ato albo- m^umbi^ucc^o 10 coslato plicato id costis uicnles* iculcolaio cactcium glabio denli- bus o\ito rolundis laic alho imi[^]initis cilnluli[^] ungue peialorum in laininam an- gustissimam lincan cuncuim lliMdam npicc cmai ginatam abeunti genitalibus lon- giu[^]cule oxsertis ctpsula nhcc paulo longion o\if\ subsessili aculmscula semini- bus » — (rc[^]cit prope Eliinlu L>ciae
- 23 S (*Siphonompha*) AUCHI RU>A Bois* — Wlpis Report II 780 no 38 — Boiss 1 < 87 f (Diagnos cmendan)— Basi suffiule-scons muliicaulis brevissime aspeiuo lomcniella gnset caulibus ohtis [^]racilibus supcmc dichotome ramosis folns hncco Luis iculis umncivns bisi ittcnillis flotibu[^] dicbolomiaium longe caetcs bievilei ptdunculuīs nhcc flonluo [^]llndllco-subcla[^]to fmctifeio cla\alo tomcntello \u- bhlo subcncni, donlibus f blonds oblusis nlbo-irniginatis ciliatulis petalis c sicco ilbis \d llividib unguo T h<sup>i xngutiion hncin-cunean apice contracta lamina longiusculi cuncila ad % III hcimis lincires biparma coronie bipaititic lobis ob- lon<sup>o-lineii ibus intcgn* opsula oblongi carpophoro sublongion calcem aequanti semimbus —• TiPscit in monte Dilmkou Persnc borealis in monie Elbrus prope Dcibcnd & PissgMi
- U S GRISFV Boiss 1 o 88 j- — Peiennis* caespitOisa ibi7omiic crasso fohis dense lomenullo gncis oblon[^]o - spnthulatis obtusis acutiusculis\o in petiolum attenualis ndicalibu*? numerosib congctis nubnis paucis supenonbus brevibus lineanbus cau- bbus tenuibus simplit isbimis id nodos submcums suppinc viscidis 5—6-flons ranus unilorib flonbui bicviter pedicellaiis icmoUU\$cule opposite sol/tarnsvc termmalibus terms caljcc floufcio oblongo - clavito \111dl birlulo obsolete rubello \el nigncanli- hneato, dentibus tnangulanbus icuimsculis late albo-maiginatis petalis anguste linea- nbus ungue glabio in laminam fla\ido-\irentem ad ³/_< in lacinas lincares bipartitam subdilaiiio corom minima bipartita capsula pedunculo incurvato suffulta ccrnua ob- longi cahcem distendenti eoque piulo longion carpophoro crasso ea tnplo bre[^]ior¹ suffultfl semmibus minimis 1 eniformi - compressis tcnui[^]ime subrugulosis, dorso sub- nmliculatjs — Crescit ad rupes calcareas Libani supra Fden in montosis prope El- milu Ljciac
- ' S (*Stphonomo*)phaV [^]E\ADC[^]SIS Boiss \o\ bot App 721 f — Perenms caespi-

tosa, folns fore omnibus mdicalibus congcsis mollitci Aclutinis lanceolato - spathulati* acutis in petiolum scnsim angustuis caulibus cicctia subnudis, supernc-viscidulis, foliis caulims inflnm lanccolato-spathulatis, caetens Imcanbus brevibus, pamculae de- jtaupcratae ramis brevibus uniflons flonbus notiu rms calycis glabernmi albidu sub- enems supernc ampliati dentibus obtusis ptialoium limbo virescenti-flavido sub- saturation fere ad basin usque bipmlilo lobi> flongatis, coiona nulla, unguic late alato, ula utnnque in aiuiculam acutam supernc abeuuli carpopboio capsula ovata paulo bicvion — *S lalica* (5 "Suaihnsis L'objS — In IJispama meridional] in fssuus IU- pium regions alpmac

23 S MACROSOLLN Stuedel ins* cv A Rich lent Floi Abyss I 41 — Glauca aut siiburidis {labiaque caule basi suffrutescente lamoso terctj bipe*dali et ultia, folns lincau-lanccolatis neutii glauca, basi Diar^mcque scaberulis, crassiusculi^, llonbus longissimis in pamculam laxam divancatam dispositis, calyce tubuloso apice flavato unciam ad scsqumnciam longo 10-hneato, denlibus semiovahbus obtusis, infri apicem mucionalis, exlciiionbus acutis pctalorum lamina obovali, apice bifida, lobis obtusi9 caps,ula oblonga glabra clavala — Crescit enca Dobiasma (prov. Tigre¹) JII provmcus Lnderta, et Tebtlikotc in Abyssinia

27 S LIDA^OTIGA Boiss 1 c 89 + — Peienm* glauco-virens caudiculis repentibus, induratis cylindricis., caules tenue^ subsulcatOb eictos simplices vel parce et opposite lamobOb glabios, supernc viscidulos edeniibus, foln^ subconaceis glabns, inferioribus oblongo-3pathulalis oblm> in peliolum bic\em, basi ciliatulum angustalis, caulims pQuis oblongo-linearibu* acuiis ba^i cunniu^, llonbub 3—5—7-ni^ ad apicem ramu- lorum solitarns et in apioc caulk> trni-4, pedicello recto caljcem aequanti vel eo paulo longion sulTullis, calyce glabeiuno obcomto - oblongo couaceo •incmbranaceo albido subnervi, denlibus ttiangulaubus albo-marginatu* biCMlei ncominatis, pctalis lineau- cuneatis fla\o-virenlibus subconacoia^, lamina cuncaia in 2 lobos lineari - oblongos ad medium usque biparlila, coiona ad 2 gibbos teducta, gentilibua longiusculo exsortu>, capsula oblonga, carpophoro aLquiifongo sullulta — Crescit in aliionbus Libam supra cedros

28 S MAKMELIANA Boiss 1 c + — Peiennis glabra glauco-virens caudicibus prostra- tis suffrutescentibus, surculos elongatnn foliosos caulesque ascendentes elongatos te- nues teretes, inferne foliosos, supernc subviscidos 1—3-floios edentibus, folns tenui- bus oblongo-lanceolatis vel lanccolalo-lincaibus unincivus acuiissimis, basi longe an- guslatis, margine et subtus ad ncivos senulalo-scabiidis, superioribus angustissime lmeaibus, flonbus pedicello caljce plunes longiore recto suffultis magnis, caļce clavato, basi looge attenuato conaceo albido glabio tenuissime decmneivi, dentibus o\ato-tnangulanbus acutiusculis, inferno late albo-mcinbranaceis ciliatulis, potalis e s>>cco flavo-\irentibus, lamina cuneata obcoiato-biloba, capsula oblonga caļcem di- stendenu, carpophoro aequilongo sulTulta, scmimbus magnis remformi-compressis eximie rugulosis, dorso caoalicalaiis, — Ciescit in Libano ad radices cacumims Makmel

29 S. CARAMAJNICA Boiss. & Heldr. 1 c 90 f — Perennis, basi suffrutoscens. caudici- bus caespitosis, surculos stcnles breves caulesque numerosos glbros rectos foliosos ad nodos subincrassatos simplices vel parce et alteine ramulosos edentibus, folns m- fenorthbus anguste lanceolato - lmeaibus longis acutis, inferne longe angustatis, cauli- nis lmeaibus, supremis anguste lmeaibus abbrevialis» omnibus carnosulis glauco- viientibus, sub lento papillaii-scabus, flonbus magnis ad apicem ramorum et cauhs soliiarus longe pedunculatis, caļce flonfero obconico-cylindnco, fructifero ckuato, basi longe attenuato conacissimo subnervi albido-rubello glabernmo, puoctis elevatis saope exasperato, dentibus lanceolatis rigidis subpungentibus, tandem patentibus; pe- tali lineau-cuneati lamina coriacea ad tertiam partem bifida, lobis oblongis, corona in 2 lacunas triaogulares acutissimas bipartite, capsula oblonga caljccm subaequanti, 'aipoplioio crassiusculo sulTulta, semmibus reniformi-compiessis rugulosis, dorso ca- »aliculatib — *S bupleuroides* Heide — Cuscit in uneib pi ope Bounarpatchi inter Kūaman et Eimenek Isauuae,

30. *S. LYCIA* Boiss.). c. 90.+ — Perennis virens minutissime glanduloso-tomentella: caudicibus leniibus suffrutescentibus prosiralis, surculos steriles breves caulisque simplices vel ramulis binis oppositis auctos, apice trichotome trifloros, rarius unifloros ceteribus; foliis lineari-lanceolatis acutis rigidis, subtus elevatim trinerviis venulosisque in petiolum attenuatis, caulibus paucis linearibus subrecurvis; floribus pedunculo calyce 3_4_plo breviori suffulih; calyce floriifero longe cylindrico, infero subalienato, fructifero clavato tenero membranaceo rubello-lineato plicululo glanduloso-hirulo, dentibus oblongis obusis albo-marginalis; petalorum lamina cuneato-bipartita; corona...; capsula ovala, apice allenuata, carpophoro aequilongo sulfula; seminibus....? — Crescit in montic Akdagb Lycine.
31. **S. NODULOSA* Boiss. — Wlprs. Reperl. II. 782. no. 47. — (J. *Schlattoa* Boiss. Dingnos. plant, orient, nov. Yhl. p. 91. — Tota pilis brevissimis retrorsis tomentella, dense multi-caulis: caulibus pedaliibus erectis blicis dunsissime confertis simplicibus vel basi ramosis angulatis foliis; floribus inuualibus solitariis, rarius binis brevissime pedicellatis: calyce etiam florifero clavato, retrorsum dense et breviter tomentello 9 — 10 lin. longo; capsula ovata, carpophore aequilongo sulfula. — Crescit in rupesribus apricis ad monniciulum N^takschi Rustain prope Schiraz.
- IV. *S. (Uipifraga) PARNASSIGA* Boiss. & Spruner I. c. 91. — Perennis, viridis sub lente senbida caespitosa tenra: caudicibus filiformibus fragillimis, caules pumilos ascendentes geniculatos filiformes, inferne foliosos, superne nudos unilloros surculosque blicis ceteribus; foliis anguste linearibus acutis, basi subattenuatis; calyce obconico glabro membranaceo crassiusculo cⁿrⁱ virescenti vel violaceo, dentibus triangularibus acutiusculis albo-marginalis; petalis e sicco albis lineari-cuneatis, laminae ad medium utque bifidae lobis oblongis; corollae bipartitae lobis oblongis acutiusculis; capsula . . . — Crescit in monte Parna^{so}.
33. *S. OREADKS* Boiss. & Heldr. I. c. 92. f — Dense pulvinari-caespitosa nava; caudicibus intricatis nudis, apice dense et confertim foliosis anguste linearibus crassiusculis obtusis, basi ad marginem retrorsum ciliatis, caetrum glabris; caulibus unifloris liliformibus brevibus 1—2 paria blicorum brevium ferentibus, superne puberulo-viscidis; calyce puberulo-glanduloso obconico, antbasi pcracto stibclavato tenuiter membranaceo albo-nigroque-vittato, dentibus oblongis ngricantibus obtusis late albo-marginalis; petalis e sicco nbidis, subtus rubellis cuneatis, ungue ciliato in larinom ad medium usque bilidam sensim dilalato; corollae bipartitae lobis oblongis obtusis; capsula ovala, carpophoro ea paulo breviori suffulta; seminibus . . . — Crescit in fssuris rupium inoniis Gbcidagh Pamphylicae supra Alaya et montis Stavros Pisidiac.

+ **Icoites addetidae.**

- S. SCHAFTA* S. G. Gmel. - (Wlprs. Repert. I. 276. no. 51.) — Fisch. & Mey. SerU Petropoli. I. tab. 2.
- S. STELLA** A. Alt. — (DC. Prodr. I. 368. no. 5.) - Torr. \$ I. New York 1.100. f tab. 16-

5250. IYCHSTIS Tournef.

(DC. Prodr. I. 385. — Wlprs. Repert, I. 281. II. 785. V. 83, Annal. I. 93.)

1. *L. MACRdCAR^A* Boiss. et Reut. mss. ex Boiss. Vdy. bot. App. p. 722. f — Dioica: cflule erecto, superne laxo Dichotomo; foliis lanceolatis acumihatis cauleque puboscenti* vvlutinis vischulid; dentibus calycinis irlangulati-lanceolatis; petalis semibifidis **albis**, urigulbus exsertis; capsula ovato-globosa nitida, apice constricta, dentibus extus revolidiis; seminibus renilbrmi-angulatis **albidis** cxicimic tuberculatis. — In togione caHda prov. Granatensis in Illspania.

f ftens indesorptiim.

ECBIAIVTHE A. Braun.

(A. Braun, Delect, sem. hort. Friburg. 1849. p. 2.)

1. "E. OGULAf A. A. Braun I. c. — *VUcaria ociMa* Lindl. — Cf. Rndl. den. pl., no. 524^b — (Wlpr*. Repert, V. 82. no. 1.)

Ordo XXIV. ELATINEAE *cambess.*

(M. Seubert in Wlprs. Rêpert. I. 283. II. 786. V. 83.)

5475. **ELIATIJE** Linn.

(II. Seuberi in Wlprs. Repert. V. 83.)

1. *E. MINIMA Fisch. a Mey. — Wlprs. 1. c. 83. no. 1. — *E. Americana* Arn. ~ Torr. Gen. pi. fl. Am. bor. I. 219_ tab. 95.

5476. **BEROIA** Linn.

(M. Seubert in Wlprs. Repert. I. 284.)

1. B. ABYSSINICA A. Qich. Tent. fl. Abyss, I. 49.— Gaule a basi ramoso, podali et ultra, tereii albide tomentoso: foliis oppositis aut saepius senis, oblongo-lanceolatis acutis, basi sensim angustatis, margine integris subciliatis, subtus versus basin et praesertim in junioribus pilosis; stipulis scanosis binis ovali-oblongis acutis albidis; floribus parvulis axillaribus numerosissimis subsessilibus; calycis laciniis erectis crassis, margine scariosis. — Crescit circa Yoha, jn provincia Tigre* in Abyssinia.
2. B. POLYANTHA Sonder. Linnaea XXIII. 16. +— Herbacea glabra multi-caulis: caulibus tetragonis; foliis oppositis oblongis acutiusculis. basi angustata sessilibus integerrimis denticulatisve glabris; stipulis lanceolatis; floribus axillaribus solitariis, in apice caulium cymoso-aggregatis, bracteatis; calyce 5-partito, sepalis acuminalis, margine subscariosis/petalis calyce brevioribus ovatis acutis; stam. 10; stylis 5; capsula 5-loculari 5-valvi. — In Promontorio bonae spei ad Rhinosterkop.

Icon addenda.

- B. (ELATINE Torr. f. Gr.) TEXANA Seubert 1. c. 285. no. 4. — Torr. Gen. pi. fl. Am. bor. I. 219. tab. 95.

Ordo XXV. LINEAE DC.

- (C. Prodr. I. 423. - Wlprs. Repert. I. 287. II. 786. V. 87. Annal. I. 94. — PUnchon in Hook. Lond. Journ. of bot. VI. 588. VII. 165.)

Tribus I. **EULINEAE** Planchon.

(Wlprs. Annal. I. 94.)

,11. (6056.) **UOTJII** Linn.

(Planchon in Wlpr* Annal. I. 94. a in Hook. Lond. Journ. of bot. VII. 165.)

Subgenus I. **Bullnum** Planchon.

(Wlprs. Annal. I. 9*.)

Series * **PROTOUNVM.**; Stigmata laticordine pluries longiora.

f. *Stigmata longa lineari-clavata, stylo continua.*

1. L. USITATISSIMUM Mill. — Planchon 1. c. 165. f. — Annum: caule basi simplici, erecto petalis crenatis; capulae calycem vix excedentis septis semiseptisque margine interne

- glaberrimis. — Verosimiliter ex Oriente ortum, nunc cultura per regiones temperatas utriusque orbis diffusum. — *L. usitatissimum* Mill. Diet. — *L. usitatissimum* L. Sp. pi. 397. (excl. var. *y.* & *£.*) — Curt. Fl. Londin. fasc. 5. tab. 22. Reichenb. Icon. fl. Gorni. fig. 5155. (Icon utraque optima, sed synonymia pro pane erronea.) — *L. usitatissimum* a. *vulgare* Schubl. ft Mart, ex Koch Syn. fl. Germ. (ed. II.) p. 140. — *Sthliesslvn*, *Dreschlein* ruricolis Germaniae ex Koch.
2. *L. HUMILE* Mill. — Planchon 1. c. 165. f — Annum: caule basi »implici credo; capsulae calyce subduplo superantis sepalis semiseptisque margine interno ciliato-pilosis. — Crescit cum priore, passim colitur, nullibi verosimiliter spontaneum. nisi forte in campis siccis evodat. — *L. sativum Africanum latifolium, fructu majore* Tournef. Inst. p. 339. (fide Linn. Herb.) — *L. sativum humilissimum flore majore* Boerhaave Ind. alt. p. 284. — *h. usitatissimum* var. *y.* L. Spec. p. 397. — *L. Sibiricum* L. Herb, nec tamen L. sp. — *L. usitatissimum* (J. *crepilans* Schubl. 8: Mart, ex Koch Syn. fl. Germ. (ed. II.), p. 140. — *L. crepitans* Dumort. ex Wlprs. Repert. I. 287. — *Sprimlein, Klanglein* ruricolis Germaniae.
- i. *L. ANGUSTIFOLIUM* Huds. Fl. Angl. 134. *) — Engl. bot. I. 381. — Rehb. Ic. fl. Germ. i. 329. — Planchon 1. c. 167. f — Perenne (primo anno saepe florens); caulibus pluribus, cernitli saepius procerioribus, lateralibus ascendentibus; capsulae parvae calyce parum longioris sepalis semiseptisque margine interno ciliato-villosis; stylis a basi liberis. — *L. bienne* Mill. Herbar. — *L. agreste* Brot. Fl. Lusit. I. p. 481. — *L. vulgare* Linn. — *L. usitatissimum* L. Herb. — *L. usitatissimum* Griseb. Spicileg. Fl. Rumel. I. p. 117. (excl. synonym). — *L. diffusum* Schult. Observat. — Reichenb. Icon, exotic* i. 12. — *L. fushginum?* Tausch. — *L. marginalum* C. A. Meyer Ind. Cauc. p. 225. Ledeb. Fl. Ross. 1. p. 425. an Poir.? — *L. cribrosum* Reichb. Icon. Fl. Germ. t. 330. — Habitat per totam ferè Europam temperatam et calidiorem.
4. *L. SUAEDAEFOLIUM* Planch. 1. c. 168. f — Annum? multicaule humile glaberrimum glaucescens: foliis alternis confertis linearibus obtusiusculis integerrimis, rariis subinvolucris, basi glandulosis; ramulis axillaribus gracilibus paucifloris, apice unifloris; floribus non magnis; sepalis subspatulatis obtusissimis, integerrimis; petalis pallide coeruleis subduplo brevioribus. — Crescit in Novae Hollandiae australibus, regionibus interioribus. — Species distinctissima. Radix simplex descendens tripollicaris. Caulis numerosissimi, basi conferti erecti 4—5-pollicares graciles teretes, dense foliati. Folia a basi ad apicem sensim majora, suprema 3—1 lin. longa. apice interdura latiora, nervosa trinervia, ilia *Suaedae fruticosae* referenda. Ramuli floriferi ex axillis foliorum superiorum ascendentes. flexuosi, 1— $\frac{1}{2}$ poll, longi, foliis 4—5 caeteris vix minoribus instructi, sub flore magis minusve longe denudati. — Flores iis *L. angustifolii* paulo minores.
5. *L. MARGINALE* A. Gunningh mss. ex Planchon 1. c. 169. — Perenne? glaberrimum: caulibus pluribus (an semper?) apice ramosis; foliis linearibus angustatis, superioribus angustissimis; corymbis fastigiatis; pedicellis ante et post anthesin erectis strictis; sepalis ovatis acuminatis aculis integerrimis albo-marginatis, capsula acuminata parva brevioribus; stylis supra medium connatis. 21 — Crescit in Australia extratropica et in Tasmania. — *L. gracile* Smith. — *L. angustifolium* DC. Prodr. I. p. 426. non Huds.

*) Hoc loco addenda erit species nova.

1. *L. AMBIGUUM* Jord, Gat. du jard. de Dijon 1848. p. 27. — Pedunculis fructiferis erectis; sepalis ovatis trinerviis acuminatis. interioribus ad marginem anguste membranaceis breviterque ciliatis et ciliatis globosam cuspidatam fere superantibus; petalis pallide coeruleis late obovatis integerrimis, breviter unguiculatis calyce duplo longioribus; foliis lanceolatis-linearibus acuminatis margine laevibus trinerviis, nervis lateralibus apice evanidis; caulibus numerosis solitariis, primum diffusis ascendentibus, demum erectis, apice ramoso-paniculatis; radice ardua. — Affine *L. usitatissimum* & *L. angustifolium* Hd. — In collibus scaberrimis Galloprovinciae.

ft. -*L. HOLOGYNUM* Reichb. Fl. excurs. 5164. & Icon. Fi. Germ. tab. 331. — Planchon 1. c. 170. f — „Ascendens spiihamaeum v. podalo; folia linoaria, pioguioribus individuis superiora lanceolata acuminata, singulis margo laoviusculus, nervas solitarius excurrens; inflorescentia rigidula; flores pauci longe pedunculati: sepala e basi laiissima acuminata. late hyalino-inembranacea, apice ciliata, dorso tenuia uninervia, nervo crasso elevato. capsulam acuminaiam subaequanlin. Flos fere *L. usilatissimi* nee major, stylo ab omnibus Europaeis distinctum." — Habitat in Banatu.

7. *L. MONOGYNUM* Forst. Prodr. no. 145.— Dot. Mag. t. 3574.— Planchon 1. c. 170.f — Perenne: raoiis conmbosis; floribus magnis albis; stylis longe connatis. — Crescit in Nova Zeelandia.

ft *Stigmata hnpana, sQlo nbrupte cramora.*

a. *Flores rosei.*

8. *L. DECUMBENS* Desf. Pl. Atl. I. 278. tab. 79. — Rchb. 1. c. fig. 5163. b. — Planchon I. c. f — Annuum: caulibus decumbentibus; corymbis paucifloris deqsiusculis; sepalii e basi lata membranaceo-marginata in acumen crassum herbaceum acutum subrecurvum contracts conniventibus; petalis calyce duplo loagioribus. — Crescit in Mauritania, in arvis prope Sleibam regni Tunetani et in Sicilia.

9. *L. GRANDIFLORUM* Desf. 1. c. tab. 78.— Planchon 1. c. 171. f— Paxt. ft Lindl. Flow. Gard. I. 27. fig. 13. — Annuum? mullicaulc humile foliosum: corymbis laxis: sepalis ovato-lanceolatis, arislato-acuojinatis, basi latissime, apice angustissime membranaceo-marginatis; petalis calyce subtriplo longioribus. — Crescit in Mauritania, in arvis argillosis prope Mascar prope Oran, etiam in summitato montis Braus prope Rjcaeam.

(3. *Flmto coerulex.*

10. *L. NARBONENSE* L. Sp. pi. 398. — Rchb. 1. c. fig. 5161. — Planchon 1. c.f— Perenne glabrum: caulibus elatis virgatis; foliis lanceolato-linearibus erectis, margine scabris; corymbis contractis; sepalis ovato-lanceolatis cuspidatis pergaihaceis, nitentibus bracteis-que albo-marginatis.

var. (S.? an spec, distinct a" — Foliis ovatis vel rarius lanceolatis, superioribus deflexis. — *L. reflexum* Ait.

— Crescit var. a. in Gallia mediterranea, in Italia borcali a Nicaca ad Carniam. in Hispania, in regni Granatensis regione montana et alpina inferiorc, var. P- verosimiliter in Hispania. — *L. scariosum* Scheole in Flora s. Bot. Zeit. 1843. p. 433. — *L. reflexum* Ait. Horfc Kew vol. I. p. 387.

U. *L. NERYOSUM* Wsldst. ft Kit. — Planch. 1. c. 173. f — Perenne: caulibus oscendentibus erectis virgatis, apice paniculato - divisis, inferne pilosis, caeterum glabris et laevibus; foliis In pane inferiorc ramulorum emarcidis parvis squamaeformibus minute ciliatis imbricatis, caulinis ovato- vet lineari-lanceolatis aut lanceolato-linearibus, acutissime setacco-cuspidatis, 5—3-nerviis. margine senbriusculis glabris; pedicellis ad apices ramulorum paucis vel demum sub fructu laxe raccniosis, inflmis fructu raulto longioribus; sepalis eximio cuspidatis subimarginalis glanduloso-cilialis, capsula ovato-acuta paulo Kmgioribus; stylis inferne connatis. — In Hungaria ft Banatu.

var. p. *glabrata*: caulibus inferne glaberrimis. — In Rossia australi.

12. *L. VIRGULTORUM* Boiss/ft Ileldr. mss. ex Planchon I. c. 172. t — Annuum glaberrimum; caule virgato gracili tereti lacvissimo, basi'ima nudo, apice in ramos alternos elongatos. interdum fere a busi unilateralter fruoti - et floriferos diviso; foliis inferioribus emarcidis baud imbricatis, cauliiis lanceolato-linearibus, basi rotundatis, brevissime subpeiolatis, aeutissime cuspidatis, margine leviter involuto asperis; pedicellis fructiferis patenti-erectis sulcatis, capsula triplovIODgioribus; sepalis exterioribus lanceolatis, micrioribusque ovalis, inferne albo-marginatis, eximie cuspidatis glanduloso-cilialis, capsulam ovato-globosam superanlibus: stylis inferne connatis.-'Crescit inter fruiicos montium Pamphylliae, in fauce-Tsimboukchan. — (Boiss. Diagn. pi. nov. orient. Till. 105. i). — Species *L. neruoso* nflmis, sed duratione, omile basi ima nudo.. inflo-

iCcntia longius unilateraliter rncmosa flonbus (PX SICCO) minonbus, et capsula piso minore vel aequali absquo dubio distincla

- 13 L AUCHERI Planchon 1 c 173 f — Perennp? ghbpinnum caulibus subsimplici* bus, folus alterms approximatis sc-silibus lanceolatis acutis trincmis subtus ^ubglau-ceicentibus, maigmp snbns pedicellis solitirus ramulos breves conmbosos terminantibus. fiuctifens stride erectis cihcibus L *ncnosi* capsula o\ata bievionbus — Caules veiosimilitpr c basi communi perennante onentes, pcdales stncti teretes obsolete stnati Folia approximaia inlet media circiter pollicana, 3 lin lata. internodus subduplo longiora inflma supremaque scn^im brp\iora. omnia basi obtusa, apice aculissiraa, maiginc scabra, subgluuco-vindin, subtus pallidiora Rami inrtrescentiae fructiferae 3—4 MX 1— 2-pollicares, pediceLbs enciter 3 Im longis, caçci subaequahbus bepala inaequnlia. cxtciioia \ix 2¹/₂ lm longa omnia ovato-lanccolata, acutissime acuminaia, margine scanoso angusto eglanduloso serrulate Stjli ad basin lib en Capsula ovata acutiuscula 3/i Un longa — Crescit in raonte Djulfeck prov Mazendaran secus mare Ca*pium

Series •• *ADEISOLINIM* Reichenb Stigmata capitata

14. L PERLNNE L Sp pi 397 •) — Planchon 1 c 173 f — Perenne vel subperenne (Schit.de) multicault folus linearbus \el linear-lanceolatis, glanduhs stipulanbus 0,

) Addenda sum

- 1 L NAXKOIAJoid Car du jard de Dyon 1848 p 28 +- Pedunculis fructifens ^ubtortiN fprcto - patulis spjnl/s o\atis obtusi»simis bre\iter apiculatis obscure ^iih-5-nor\n^ inferioribus maiginc antrusto albido-staiiosis, capsula ovata-^lobosa duplo bitMonbus puahs laeto CO*MUICIS late o\atis latitudine sua paulo longionbus, mnr^i> htuai It te toto itKuinbenihus inj»nc unguiculis, ralje tnplo longioibus semuubus fuse is mtictillis o>ato-oblongis leriter margmatis folus glaucescentibus oblongo-lmoaiibus iruminali«» uninemis ad marginem tenui&sime serrulatis, omnibus eucim, a basi ftic id medium (uuli adpres&is, superne patulis vel extrorsum subaicuaiis caulibus numeiosis erectis, inferne palenier ramosis, superne pamculalis, caudice perenni ciasso — Aifne L *perenn a montano* — In Delphmatu.
- i L LORLYI Jord. 1 c p 27 + — Pedunculis fructifens patulis subarcuato -pendulis, sepalis ovatis breviter acuminntis 5-nervus, nrr\is u&que ad medium el ultra valde tonspicuis, inteioribus late scanoso-marginatis capsula globoso-o\ata duplo bre-MonhiH, pctalis intense coeruleis in teitia paite mfenore lutescentibus obo\alorunpaiis, margine laterali fere toto mcumbentibus calyce haud tnplo longionbus, seminibus fuscis subaequahier ovato-oblongis leviiier margmatis, folus Miulibus crassiuStulis bie\ibus subacqualucr et anguste linearbus acutis, nervo crasso piominulo instructo ad mnrginem ttiutier subserrulaiis infernp tauh aide adpres^is «uperne painlo-eieci* mferionbus dpnsis approximaais, omnibus erectis, caulibus plunbus gracilrbus. basi bieviter istendenlibus stncto ciectis, lacemo pauciflorp teiminatis. caudice leuui peiennanti ^^ Aifne L *montano & ycicnm* — Ciescit in arvis prone Dijon
3. L CARNOSLLUM Boiss Diagnos. plant oripnt nov VIII n 104 + — Perenne glabenimum ghucum raudiculis subteirands cvlindncis, caules infeine filifoimes dmudaios mnr lapides itpcntos, superne exseitos bre\issimos dense foliosos simplices edentibus. folus paivis tarnosulis obsolete unmpMus oblongo-linearbu« aculiusculis. bisi sessili lolundatis \cl subtruucalis, margine lteMs^mis pedicellis 2—3ienmnalibus el ex axillis supremis oilis calyce subduplo longionbus, inferne saope bibracteolatis. si pilis \indibus o\atis obtusis late albo-marginatis, basi prominula 5—7-nor\ns. npiai/s /lamenti *cai*ce longionbus, hasi (JfK/tjs fere usque ad ovani apicein fntei se connatis, anlbris oblongis sub lente impunctntis, st>lis rah com apqumuibus. sligmatibus oblongo-capitatis capsula — (iescit in glaitosis Libani aupia cedros
- 4 L TMOLEUM Boiss 1 c 105 f — Glabrum Mnde radice annua >el bienni 1 — 3 caules vngaios lenues teretes foliosos sjmplices vel medium versus stnete inmulos cidenti: loins alterms l mceolatis stnctis ramulose umneivus, margine denticulato-scabns spssilibus obsolete coidato-aunculads, racemis d emu in elongiis virgatis laxis ad et miei pedicellos bracleatis oblongo-linearbus acutissimis, pedicello breMonbus sepalis angutte ianceolato-linearbus aculissimis trinenns, basi subcannads, angu*te membranaceo-maiginatis, margine glandulis sessilibiis legulnnlcr deniculatis, petalis caeruleis talyce subtnplo longionbus, sUhs filioimibus anlheias mUto superanlibus. in s igmaia obldAgo-clavata abeuntibus, "capsulae conico-globosae<^ caçce, bre\ions pedicello lecto submcassato ea \ix longion suffultao valvis in mucronem longum tenuem, capsulae subaequilongum conjunciis, seminibus lubeiculalo-punctatis — (reicit in regione «\halien subalpma Tmoh supra Philndclphiam in Lydia

floribus racemoso-corymbosis, saepius ante anthesin nutantibus; sepalis ovatis, vix ac ne vix quidem acuminatis eglandulosis; stylis a basi liberis, staminibus longioribus aut brevioribus. capsula acutiuscula haud acuminata. —4

a. *Anglicum*: elatius: caulibus ascendenti-erectis; foliis angustis; floribus majusculis. demum racemosis; pedicellis fructiferis stridite erectis; sepalis quinquenerviis, interioribus obtusissimis, capsula subglobosa parum brevioribus. — *L. Anglicum* Mill. — Smith Engl. Bot. tab. 40. Reichenb. Icon. Fl. Germ. fig. 5159. — *L. perenne Anglicum* Schiede 1. c. — *L. Uispanicum* Mill. Herb.

fa *Sibiricum*: humiliter; caulibus numerosis erectis; foliis latiuscule linearibus; floribus magnis, sub anthesi corymbosis; sepalis interioribus obtusissimis; pedicellis fructiferis stridite erectis. — *L. Sibiricum* L.

Y- *Pyrenaicum*: humile: caulibus numerosis ascendenti-erectis, dense foliatis; foliis late linearibus; floribus ad apices caulium paucis; pedicellis fructiferis stridite erectis; sepalis nervosis, interioribus obtusis, capsula anguste ovata majuscula tertia vel fere dimidia parte brevioribus. — *L. Pyrenaicum* Pourr.

\$. *montanum*: praecedenti conforme, nisi folia angustiora et capsula et flores minores. (Hi variant staminibus stylo duplo brevioribus. aut duplo longioribus). — *L. montanum* Schleich. Reichenb. Icon. Fl. Germ. fig. 5160. b. — *L. punctatum* Presl. Fl. Sic. p. 172? Subvar. f *decumbens*: caulibus decumbentibus, (in forma illa stamina saepius stylis breviora, observante Hudsonio, qui illam ex eadem radice ac forma erecta clatiora, floribus majoribus et staminibus stylis longioribus instructa crescentem se observasse asserit). — *L. sylvestre caeruleum perenne procumbent, flore et capitulo minore* Ray. Syn. 362.

Subvar. f+ *Leonii*, Hollandre Fl. de la Tép. t. I. Gay. — *L. Leonii* Schulz. Reichenb. 1. c. fig. 5159.

e. *alpinum*: humile: caulibus ascendentibus; foliis angustissimis, in parte inferiore caulium confertissimis; corymbo laxo subflexuoso paucifloro. — *L. alpinum* Jacq. Vindob. 229. — Reichenb. 1. c. 5160. — *L. montanum* 8. *alpinum* Schiede 1. c.

£. *Lewisii*: omnia var. 8., sed pedicelli fructiferi sigmoideo-flexuosi, erecto-patentes et sepalorum nervi obsoleti. (Variat cacterum in eodem specimine stylis staminibus brevioribus, aequalibus vel longioribus.) — *L. Lewisii* Pursb, Fl. I. p. 210. — *L. perenne* Nutt.

T). *Austriacum*: caulibus ascendentibus. foliis linearibus pellucido-punctatis; floribus quam in var. a. minoribus, demum laxo racemosis; pedicellis fructiferis unilateraliter vel vage deflexis; sepalis interioribus obtusis. capsula subglobosa parum brevioribus. — *L. Austriacum* L. Spec. pi. 399. Reichenb. 1. c. f. 5156. — *L. perenne* £. *Austriacum* Schiede 1. c. — *L. barbdatum* Lange. Reichenb. 1. c. f. 5156. p. — *L. marginatum* Reichenb. 1. c. f. 5156. Y- — *L. squamulosum* Rudolphi. Reichenb. 1. c. f. 5156. b.

S. *Italicum*: omnia varietatis £. sed sepala omnia acutiuscula. — *L. Tommasinii* Reichenb. 1. c. f. 5156. a. — *L. perenne**? - *Italicum* Schiede 1. c.

t? *pallascens*: caulibus erectis: foliis linearibus carnosulis; pedicellis fructiferis stridite erectis; stylis brevissimis. — *L. pallascens* Bunge in Ledeb. Fl. Alt. I. p. 438. - Crescit stirps quam maxime polyinorpha ab Europa australi et media per Siberiam totam ad montes scopulosos America borealis inter gradus 37 8c 57 lat. bor. et ad sinum Hudsonis usque extensa.

5? L. STELLEROIDES Planchon 1. c. 178. + — Glaberrimum: caule (e radice annua?) simplici recto, superne conferte ramuloso; ramulis strictis erectis, in racemos subsimplices paucifloros abeuntibus; foliis ericoideis laevibus; glandulis stipularibus 0; pedicellis culyce triplo et ultra longioribus, erectis; sepalis ovatis, margine glandulis igris hinc inde obsitis; capsula ovata acuminata acute brevioribus. — Radix simplex breviflora, hinc inde filniosa, verosimiliter nnum. Caulis ascendens rectus subnodosus

teics semipedahs c̄jassitudmc pennac | a<->einiif latus cicaincibus folwruui delap s̄orum punctiformibus infeinc notatus subapicc (casuquodam ihscisso) conferte ramulosus Folia line^A i)lyntn 3—4 lin longa V« VP) y₃ lin lata plana interdum subtorta glaucebc̄M̄riucvissnna Flore» us / mantmu paulo minores v̄sepala ovata \india enervia 3 exteuoia icuta intenora obtusata Petala non me usa sed ex sicco ut vidotui rvinpa C̄t̄psu a grano piprns subaequalis ovata eximie acuta val-aium semilnaniuin ainubus dm cunnt\i# styh ima bisi concreii stigmata capitel l̄t̄q̄ — Cicscit in China

Subgen II **Cliococca** Rabingt — Wlprs Annal I 94

Jb L SLLAGINOIDS Lamk — IManchon 1 c 178 + — Perennr glabrura cauhbus c cauriict denudato \el | lunbus -iscendenubus simplicibus \el saepius a basi ramuliferis t apice coryinbos.0 - dniM', 3 10 pollicaubus folns alternis confertis incurve - imbn-ratis subulalis mucroruto - j ilifens flonbus ramulos foliosos cimae paucidivisae tcr minaniibus subsussilibus pctilis cahce brevjonbus (albidis vel iufescentibus interdum ipicc roseis) in unguem oltcnuatis capsula obo\ato-globosa apice ohtusa (\ umbi licati) complete 10-loculari piso parvo aequali vel parum minDre

^ *Chilensis* caudicc sublcnono tortuoso in caudiculos pluies graciles (subtenacos) divisn nmulis foliatis 1—3 pollicaubus capsula globosa grano pipens subae quail — / *stlagin idts* Srhiede in Linn I p 67 — Cres>ct stirps Upica in Drasiliae prov Cisplatanii proj e Montevideo \ir p in icgno ChilcnM̄ prope Valdivia

IV L BABIN(JTOMI Planch I t 179 f — Perenne glabium humile caulibus e caudice lignoso plunbus pnium) i iniosis folu* confertis mcuno-imbncatis subulatis mucronato-pilifens floubus. ad apices lamuloiuft subsessihbus petahs calyce duplo brevionbus purpuitis oblon^is MY basi attenualis Inud ungu culatis capsula subglobosa truncata (in parte supcnoie fu^co-purpui ci) cahce brevior complete 10-loJulan — *Choocca UnuifuUa* Bibingt in Tiansact boe I in Lond XIX p 34 t 3 — •Crescit in hoi to Canlabngiensi

Suhgtn HI **Iinastrum** Planchon — Wlprs Annal I 95

(Linopsis et Calhartolim sp Rcichonb)

Ser • *DICHRouMM* Planchon — Wlpis 1 c

ib L TENUIFOLIUM L — Rthb Ic II (eim (lg 5165 — Planch 1 c 180 f — Perenne caule primano abbreviate) »ecundaius virgatis simplitibus (ranssune furcatis), slenh* bus pubculis folus subuhtis pungcnlibus ghbns mirgine aspero - cilialis corolla (ev cl Bpnth) subrotati fundo putpurco petahs hneis purpureis striatis sepals ovatis atuti^siinc cu;>pidaiis ioseo-albi-> c̄t̄psula ovato-acuminata longionbus — Va-ijit folii^ impuiibtalib vel punttis imprtssis sparsis — fiescil in Europa media et ou-^tiall el in Vsi'i innoie beimsepta capulae versus basin pilu> albis barbata, caetemi glabia Stjli simpor stamimbus longiores

W I S U SOLOIDrS DC Piodr I 427 — Rchb 1 o fe 5163 C — Planchon 1 c 181 f — Fiuticulo->um humiil* iamik» sloulibus vix pilosuhs foliis subulatis mfenonbus abbitviati» ot -siipia bitulu^ glabns-aspeio ci ntis coiolla (ex cl Benth) campnulatı fundo mtus purpuico sepalis ovalis icutissime cuspidatis capsula longiojnbu» — \ tnat <,hlis st linibus conspicue longionbus \tl nsdem bioioribus petar. l& num ciiciı pollicanbus nunc vix ultra 8 lin longis Specimina e dinone Su^J / nna oiollam idlm nunoem cum stjls stamtnibus longionbas exhibent — Crescit in Galia media a mediiciraei ot in Inlii — Species stquenti proxima sed caules stcundaiii bioioies f ic i basi ramulobi nte in altiudinera semipedalcı et ultra eurgentes stmles ftrc plane glabiati et folia praeter scAbntiem marginum, glabra Tla cictemm in parte mfouore cauliura ferulium %d in wmulis propms sterilibus,

baud axillaribus abbreviata et, more *Sedi rupcstns*, collecta. Spccimina florida plura adsunt, sed frucius desiderantur.

30. *L. SUFFRUTICOSUM* L. Sp. pi. 400. — Cav. Ic. II. 1.108. — Planch. 1. c. 183. f— Fruticulosum: ramis stehlibus dense lutescehti-pubescentibus; folhVsubulaU'9, ramulorum axillarium sterilium brevibus, conferiis crassis, supra bisulcis, undique dspero-papillosis vcl cinerco-pubescentibus; pclnlis cunoaio-obovalis, in acumen breve abrupte angustatis: scpalis ovatis, acuti^sime ^spnlitis, capsula ovata acuta brevioribus. — *β Jacquimi*: humilior, omni parte gracilior; an sp. disincta? — Crescit in ~~Hispania~~ ~~Hispania~~ provinciis fere omnibus, var. (S. in Austria. — Caules plures ascendenies, ~~subulaia~~ furcaio-ramosi, vel bine inde ramulos allernos conferlos emiltentes, tri—sex-pollicares et ultra, crassitie pennae corvinae vel anserinae, denudaii, epidermide rimulosa vcl in squamas dclitescente, saepius flavescente. Folia ramorum fertiliium subulaia, 5—6 lin. longa, breviter mucronala, marginibus et nervo inedio inlcrdum parum ipcrassatis. his saepius involutis, facie utraque papillis raris asperata, vcl pilis brevibus crispulis raris vel densis cinerea, rarius subglabra, rumulorum sterilium abbreviatorum 1—3 lin. longa, subulalo-gladiata, nervo unico utrique in carinam elevato, marginibus crassis involulis, superflicie lota pilis brevibus papilliforniibus cinereo-flavidis aspcjpia vcl pube cinerea tecta. Folia, floralia linearia subulaia erecto-potentia. Pcdicelli pars nuda semper calyce brevior, nunc brevissima. Calyx et corolla ab iis *Lfsalsolaidis* DC. in sicco non dislinguenda. Petala alba, inlus, praescrtim versus unguem, dilute violacea, extus flavescencia vcl interdium brunnea fis *L. angti8lifolii* majora. Capsulae parvae, grano *Piperis mgri* vix aequules (sed iliac calyce minore quam solilo suffuluae sum), ovalae aculae, calyce fere terlia pane breviores. Stylos sepala nequanlesel staminibus conspicuc broviores observavi; sed hi variant in specie affini *L. salsoloide* DC. staminibus longiores aut vice versa.

Description var. (3. — Caules ex uno fere subterraneo abbreviaio plures, tortuosos-ascendentes graciles, sup erne vage ramuliferi denudaii. Ramuli foliati, sieriles et fertiles, sicut folia omnia, pube brevi scabridi. Folia illis *L. salsoloidis* DC. conformia, infima cujusve ramuli conferta brevia recurva. Inflorescencia et flores in sicco nulum character distinctionis ab afDnibus praebent.

21. *L. ORTEGAE* Planchon I. c. 184. H— Fruticulosum: ramulis gracilibus pluries furcaii; foliis parvis brevibus triangultfri-subulatis acutis, praeter ciliis brevissimas glabris, more *Lycopodii* vel *Andromedae tetragonae* imbricalis; inflorescencia *L. angusiifolii* et *L. suffruticosi*. — Crescii in Hispania. — *L. suffruticoswn* Ortega mss. non L. — Species insigois, *Andromedae tetragonae* faciem prae se ferens, nisi caules elatiores et laxius divisi. hi teretes sunt, crassitie pennae corvinae, inferne denudati et epidermide laevi nitida vestiti, superne in ramulos mullos divisi. Folia 3—4?-fariam imbricata triangulari-subulata, 2—2½ lin. longa, leviter incurva, dorso carinata, facie concaviuscula, annotina in sicco pallide viridia, vetustiora emarcida straminea. Flores et fructus in specimme semidestructi, sed stirps fere absque dubio hue recte collocata.

Ser. * * *CATtiAMTOUNtN* Grieseb. — Wlprs. 1. c. 95.

- *#. *L. CATHARTICUM* Linn. — Planchon 1. c. 185. + — Foliis inferioribus obovatis. intermediis oblongis vel elliptico-lanceolatis; pedicellis sub athesi et antea nutantibus. fructiferis erectjs, capsula multolies longioribus, septis semiseptisque pilis longis albis barbatis. — Occurrit foliis alternis ex cUJoreau, quod monstrum potius quam varietas. — Crescit ab Islandia et Lapponia^lr Europam totam in Asiam minorem, ACricam borealem et insulas Canarienses et Maderam.

Ser. * * * *LINOPSIS* Planchon. — Wlprs. 1. c. 95.

(*Linopsidis* et *CatharioUni* sp. Reichenb.)

- *#. *L. MULTICAULE* Hook. mss. in Torr. ft Gj; FJ. N. Am. I. Suppl. 678. — Plaochon 1. c. 185. — Humile: caulibus pluribus gracilibus, supra bis vcl rarius aimpliciter corymbwo-divisis, angulato sulcatis; foliis rrebbis erecto-imbricatw. ~~lineari-subulatis~~

aristatisnigidis, margino aculeolaio-cilians, summoiuin ner\o unicosubtus basi tumido, floralibus squarrosis, inferno albo-maignaiis, florem subscsilcra fulcrantibus, floribu? pan is sepahs ovato-acuminatis anstatis, capsulam ovatam obtusam superantibus — Cresnt in dilione Teianas Amer sept prope S Felipe — Chutes e radice simphci 4—5. central] mox in ramulos ascendentes rimso, \el onines ex uno crassiusculo lignescente connati, inferno inierdum cicdtnubus fohorum notati, el lbi terotes, caeterum fere per longitudinem totam sulcato-angulati, aqgllis puberulo-aspcrulis Floies etiam junioles erecti Pedicelli frucuicn elongati 2—3 hn longi capsulae longitu^} 2—3 plo superantes Styli ad medium {?) connati

24. L HUDSONIIFRES Planchon 1 c 186 f — Humile caulibus plumis, apice simplicher coivmboso-divi&is angulato-sulcatis foljis imbricato-ercttis linca - subulalis cnslatis glabns, margine lacvibus, summis sub&ijuarrosis angustp-maigmatis, podicelhs floridis duplo breuonbus flonbus in npicc lamuloium solliariis sijlis longe supra medium connatis sepahs ovatis acuminati* ausiaiiis. capsula ovata acuta decemloculari longionbus — Crescit in ditone Teaxmis Americae septent inter Bajar et El Rio de la Trinidad — bpeues«-praccdenti sjnulis Planta tota 4—7-pollicans Radix simplex descendens, verosimiliter perennans Caules e collo plures, cenirali robustioie c basi ramulos crebros conferte alternos ascendentes emittente lawrales simpliccs \el ianus a basi diusi, nunc cauli centrali conformes et cum. eo in ^aosjitem donsum congesli, omnibus apice tanlum in ramulos 3—4 Ineves floio unito lernunatos divisio inforne tcietibus el minute pubeiulis, supernc sulcato-angulati, angulis pube breu subpnh cracea seabndis Folia crectu-appressa, internodus longioia, lineari-subulata, 3—4 Im longi 'J lin Ian snepius semitoita, margimbus paululum mcrassatis laevibus cirjsta ternnnali pungpntc, ronsistentia ngida ^er\us unicus in folns summis bisi sublus le\iter turn id us (noc adeo ut *m L multicauh*) Ramuli flonfen in speci-riiui, anto anthesin nutantes (an chaiacter constans->> aldbnstns jumonbus inter folia sumina semi-occultis. floiuii pedicello contra 5—6 lm longo profunde sulcato, angulis pubrrulis, aptce cum floro aititulato Sepala ovata. 2A lin longa, margimbus late membranaceis. apice denticulatis eglandulosis, dorso undi - fulvo, neryo unico centrali et duobus lateralibus apice tantum conspicuis mstructo, seta apicali 1/2 lm longa ngida Petala ignota Stvli apice tantum liben Stigmata capitata. Gapsula plane *L multcauhs*, sed fere duplo major nempe Pto minori subaequalis.

25. L BERLANDIERI Hook JBot Mag tab 340 — Planchon 1 c 473 + — Perenne (et pnmo anno florensl) glabemmum caulo suepius a basi in ramos'ascendentes, apice paucidivisos soluto, foius approximatis alterms lineanbus crassiuscuhs, summis seta bre\i, infenonbus mucrone tabesceae apiculatis, pedicelks (londis conferte corymbosis, fructiferis in cyinas umlateiales racemiformes digestis, calyci fructifero subacqualibus, capsula o^ala acuta 10-loculan subduplo brevionbus, sepalis ovatis vel llineanlanccolatis tnnenus anstatis bracteisquo margme glanduhfens, flonbus magma. stjlis supra medium ronntis — *L Beiendicn* Hook (spbalmale) — Scheele, Linnaea XXI 597 f — *I ngidum* p. (*) *B&ndim* Torr ft Gray Fl. of N Am I p 204 — Specimua quaedam constant e rauio sirapliu crecto, 4—5-pollican, radici tenui condnuo, apice coijmbo 6—9-floio terminato, alia contra e caule pnuario crassiusculo, e basi et supia basin cnules pluis 7—9-pollicaies ascendentes agente Folia majora 7—10 lin longa. 1 lm hta crassiusculd Chaiactenbus omnibus, si ainplitudmem florum excipias, cum ^ngido convemt, attamen facie distincta vi* detur Capsula in ulraque specie basi Tata, leceptaculo seu mehus fiucius Ipsiua pane basilan carnosu stellaeforni • pentagona, angulo siqqulo (stellae s pentagon* carnosu) intra interstitia vahularum carpellorum ciustaceorum locato et inde vad* las basi sibi inuicem agglulmante, unde advenit, ut si capsulam aqua immerges, valvulae carpellorum ab apice versus basin dehiscentes giadauinque divergentes basiqu* (ainosa tantum conjunctae in stellae modum expandunlur Septa spuna carpe''' CUJUSMS completa. attamen pars dorso loculi affixa falciformis crassior septoqt« mcompleto *Lmoium* fere omnium respondens, dum pars antica columellae a<tm^{ow}

- fenesii tmque alenus claudens c membiana tcnuissima constat — Crescit in ditone Texana Amencnc sept prope Jlezai
- Id₄ L RIGIDUM Pursh — JPhntlion J c 474 - j — Glabemmum caule infra et supra medium in ramulos plures ucriiin corjmboso-fuicatos dmsio rfmulis pedicellisqne piofunde sulcatis folns, altci m> ci oln i> rrcilo-patentibus lineanbus apiculatis, summis inargimbus in>olutis et glanduloso-senulatis ghndulis stipularibus 0, pedicellis sub calyce leMtei dilatatis sepalis hncolqfs seticeo-cuspidatis, margine glandulifei is, shlis feie ad apicem connatis op^ula o^ata acuta terlia parte longionbus — Crescit in dltione Missuicnsi a lluminc Phtte ad flumen Saskatchewan, et in California — Plánta iota 4—15 - pollu, u is Radix simplex \eiosimilicr perennans Caulis spatio 2—6-pollican simplex (nisi casu abj>ct>us, quum lamulos fere a basi profert), leies folus denudatus Rami ciebio dmsi fastigiali Folia conspicue longiora quam m *L multicauh* el *L hudsonoidi* patonti-cicna inlunodia semper supeianlia, longiora 2—6-pollicaua MI 1 lin lali ciasMiiscula iminmia, mucionulo sacpius bicMssimo Ramulorum et pedicelloium anguli lacMssimi Cjmnrum rami saepius conferle diMsi Pedicclh floie breMenes taljctm fiurlifciuin aquantes |e| cum duplo superantes sub flore ailiculati aiticulo supcuoie nodifoimi-pusmalico, a basi ad apitem mciasato, sub calyce in margmem pcnla^onum dihtato cujus anguli cum sepalorum basi-bus alternant, mdc quasi ciljculum sub caljce L (Form ante Sepala lanceolata tnci-Ma ncnis prommenlibus margine glandulis nasse stipitatis ornata, sub fructu 2—Va lin longa Petah expansn ignoti, sod flos lotus illo *L Bcilandicii* conspicue minor Capsula et stjli illis *L Ictlandicn* confoimia
- 27 L BOOTH PJanhon 1 c 475') — CauJp stneto brevi ramulisquo cicbiib sulcato-^stnatis, folus lineanbus alterms glandulis stipularibus geinims racemis subumlaleralibus cymosis sepalis lanccolau acuiis capsula subglobosa vix longionbus, sijlis circiicr ad medium concietis
- Vnr. a. humihor ladice exih, caule solitario inflorescnliis laxioubus, flonlms capsulisque majoiibus
- Var P- clatior ladice crassa (peienni^), caulibus geminis ninorescentns confoitio-nbus capsulisque minonbus
- Crescit in America septent, \ai P- in ditone Texensi prope Houston
- Species charactenbus et mpmnis glandulis stipulanbus ab omnibus Boieali-Amcn-canis distinctissima, caeterum inter *L ugidum* et *L Vngmianum* quasi media Pi ion occedit habitu, rmmis crebns fastigiatis profunde striatis, folus margino scabus ot stjlorum concieione. posteriori sepalis brevibus, capsulaque subglobosa MX magmtu-dine gram Pipens nigu
- 28 L STRICTUM Linn ") — Planchon I c 476 + — Perenne' (pnmo anno floien*.) fflabrum folus lineanbus unmervi^, maigine et subtus secus nenum medium scabjM-

*) Hoc loco addendum erit
 L RUPLSTRE Engelm Host Journ of nat hist VI 232 — Perenne glabemmum, cau-
 libus e radice lignescente plummis stntis gracilibus (1-2-pedalibus) stnato-angulatis;
 superne corymboso-paniculatis, folus lineari-subulatis mucronulatis glandulis stipu-
 laribus conspicuis post lapsum foliorum persistentibus pedicellis calyce subbreuioribus
 sepalis ovato-cuspidato-acummatis, margine glanduloso-c.liatis. petalis flaus multot.e,
 breuiot. nit^ flmmpntis aicribus dentibusque plane nullia, shlis a basi discieti>
 capsula ovato-gIXsa⁸ cal^cem aequante, locals bilocellaw - Cicc.t in repubhea
 Texcnsi ad New Braunfels

L CA 1665 - Annum croctum .uporne >ub-
 fastigiato-ramosum glandulis stipularibus geminis, folis lineari-subulatis mucronulatis, sepalis
 ovato-lanceolatis acutiusculis, margine glandulosis, capsula subglobosa vix longioribus
 stylis a basi liberis — Caules 6—9-pollicares, basi simplices, stricti rigidi tenues
 Folia semi-paniculata, marginibus in parte superiore involuta, raro glandu-
 liferi^ Panacula subclmosa, ramis semel bisle billis Floies ad apices ramuloum
 confertim c/m0si subcap^itati, us *L tenuifoln* paulo minorcs Folium adest ad basin
 Mmuli allerius cujusvc bifurcalionis, et ramulus aller paulo supra bifurcationem leit
 folium floremque folio oppositum Folia lolalia in c^rnis lermmalibus gradatim
 >beunt m bractcas cahce breMOres Ppdicelli pei anthpsin br^vissimi, MX cahcem

tiiiix jōinlliv anik* M |>»i RtnlifMn ft-rriaa in iin^n nmulu infUrMrtntiaī **ot^e**
 trillif tin inii rilui/i mil ilililm* /iJ'U/«n» l>»i>innin inn IM «ll> wl prnrhoribtu rl
 i ipuih ilufilm M tilir.i l«ttif>iorlni<» mp.iln 111 n <n ililm* r lil>l «»\ia MI a* unim luirjr^
 l iuuuulum %aritle* rtrfnlnii pr<nurii% »t\ln a IM «l lllMll*

Vir ot. < iijnruMi^M llliih <<iMnlniIM *• n%i» in i Mlll'DllJ «<ir|>< »iurn f «*t»»ii tn « nl-
 luili prilji«lln ltrfHiMinn til fnuin llliiitfnuil u» — / »lin/nm *«i» nipi/nfiim Knifi
 - f **structum** l|*»|«l» IM.ll lit; M7(l - ft t' / MUHMBI ll<>fli«l

l. zambulusa or **adans** **zambus** **composito** **taxusulo** **pedicello** **calyx**
 & .|. | | | | luiff/it'i iltia — l. {<nvuhulii^utn lint lilt l r llf M70

Y **tilirnum** |Vi% ii llnlh l «l |'«nt l nurf *» — ^ . »»rulM«» ,i n/lrmum **Resub**
 l : Ng 370 h

δ apudum l|lilili c«ir«mKiih< lllii«i« in r>irrnrim Hpuiformem densum collectio
 pedicello brevissimim \fl fni«lfi ilij|> llll('IOMllll^ — / **apudum** **Pers** — l. **structum**
 f »)Mifi/uni |lrn lih l « ffr Mid i / **nuiifunt** l^i>l

l ll »i il uli imnli* l m imf'ii>ilni» |n i r« |>i«iM in mi ilinr im MM f* l r lutJin in Orii«ll« lit
 us.jnr nil r<v^ll>> 1 ilMjlltiim «l in \d\>"iin tin **diffusa**

~ I i (tinMlllH III M lbi %f IM im lion l . i;? 4 ^piimin • l iiiiini prnrin Mraliritu in
 in ll, ill11in fi lioMiin (l itn iiiiiniiii i mil siiii|lni oit it ln in i oi \llllMlll (OllKOlllll niiipliilii
 ll\lM't f« llll IM llll- \ | hM lll ' iiii C o| lll K^iil^MllllH |tl ll|« |ll>|ll fills frill lfl Hi C lplillllj*
 Mil .ll «ll llllllln »l|llll> (M.iim tit iiiiiliii iiii lll k« i«» nili hiillijk , » \lH a lll^l lihri> —
 (ir>iii in M i iint iru i in morilf Ailn |ip>|n M^ MI in

MM M h i l l M llroi l'IM l UMI l no A' l »• \- lManrlion l < 47M — „K annuitii
 c • ii l < tin lk ii mo - p mi< ill tin » ut» lll IM »llllMlll fulio « 11111 n .i l • % «<lJCM* fttibterrotu-
 rillir^ < n>» ii« nli« riii ill iiii> l J U < ^ foljulift OVJU'l'JU l iildin infu medium cilia-
 ll« l < l lll lull l

l< l i i Mini* | lUMlll/IP pltiim|tir insi^iitiir fl'iuoMs, loritlln luk^A, fim«k»
 > H mil (i ^tiis |ij|l|iiM ii - l **btalui** SLllOU>ll Mniui p l&

lHMll in l.miWiiid |llOJM ((iiuulilii|{nui. llikjain ou-trjh. el ngno SllTOllllO.

ll. 1. MI l J . hll Muim A|.l. <l l-lfnili H Sunl 1 ii Fl Sard l AX. t SO — l'inrlion
 l i 47H | — l'ftHiuin mini" grnnlibu* a^f cmdonilni* nlicrni l\l (ippumii^ inTcmc
uloculis, folia inferotibus opposita vel alternis abaxato-ellipticis vel lanceolatis
 MUIHiiikt ulii uliolaiM. *ii|»«Mlonliu* an(ru>ir liuraribii* alt^rm««. nirHiilto pnucifloro,
 M<ll ili« utaii* in iiiiititai-v (tiptulain OllllJllll n« iitnin nu>M>|tlanl>» — Cre^ul in Sar-
 ilii ia in MllllMIS •ll<ll% inn r fruIKn propi l|>r«iilN — l, **Swdoutn** Mull

Ola S|Mt ll n lmlilu, f«lllH infruiiilMM o|ijiiinim, f\,nvi% vi cnpkuln ad L. ("nut
 in tnlr-ii*, a quo Uini'ti l'Kn^Kiu diiriri itigiiMlilui cBpiljli*. cauk |>«*rnni. pedirllt*
 jMiLiiffii* pnu«i« «OIUIIMI>IH. net |ijuiU»u* HI **ratnun** »«rundo* ili»pomiu

l l (f\l.l.MIMI. 8p pi KM — fir |«b |< n Li-rm (IK "H^# — VMnliun l < 179 —
 \«iriiiimi K> "•ll^ |'fl<irr niinfirifn foliorm u «rp.il(iMim lllM< (r.l.lMTrinium foliM
 Inn-IMllM. nuinilii lllllO l. M iMii.ir null* ninhr>iri « ITlllJIN prpnlm linnri - flilnlilali«.
 • dtoil i p.ir\i MX iluplo l m \orihim — l. **annum** W «t Kit IM rnr HllllK t>l». 177.

,i **Sithni** l'luhiin Kiocilliuuii P«(|K>|lK inciioriliUN rrunifriM <npsuh
 j—4-|, |<, |<r>?i<itil»in l'n rurinn vul^an |w«k< >|li \nri.uu mmr bn-viMimi, cpinlr^ Hro-
 rrvu in Fl Lu^M dciirrlptii. ^il in «<«lem rmcino (opmila duplo **longiora**)

l. callicum var. thysanotum sub sepals capsula vix longioribus an ap distincta*
 l< **AhtfHainnum** llorlitl

<.resell oh inatiln Mmlfia, |"» MKlOIMlll lllMlHITlari^Viui loim m pro\innan Cnuca-

IMK nfiTum niipvram r.n>it mi>ilio H^pnlorum pariim ronapn ll.l. ulandulac muitfinole^
 l.uuiii' l^fiuhi (jiha, anb anhoMi ljhrrn. roljcc pln« duplo longura SuJorum p>f*
sigmatum n oblungtu.ilavau. gpiftiei iliniilicli^ioia. habilu f«rmm nonnullU L **itnctt**
accedi, n>i folu. flunbuiqufl ob **llia** Joitte rocedil, ib L **Uootu. quooma** cooito^1
 ylandul< iipiilaribua, iliff«n innor«acfnla* mrlia W Hoium rolort?) - Credit »<
 (.nlifornii ln lorn. «ie<i, artnu«i_s vollll Sacnin<»nio

»ica> aj UMM LttkplUUi Hujut VltftkliMIU *, tltvUMI. VMUI 10 diUoUO f'aillkIChkl uicumi.

(At. L *Oulinum* II diiit iili JuJ tbt laa<iuin iigiduui. ratuulva crasuuicului. llue> ia>kuU>quc oiuUo lu^oir* \a but •ixiiaik «d tar £• L alruui propius acco- diir \ldetur \tl fulkjii k|ircirm |iroj.ritin M^il

M L MW)HKNSh llttuc HIM ci P1 nit li<iii I i 4HU — .(libruu rfocluun fuliu alii i• liik nbl<in,u obiu>u, I>JXI JIHUUJU> Aoiiltuk paimulalo • turjmbokit. »rpalu uiaiu a<uUiatulu maiKiiM. »uli« aI•iu» JHIIID (l\|ik cāhriu br<til<*i »upt*r<iniibuv 'h'l* ~~lano~~ coniaut kti^'iu iuliu> ^lol'jiik itipMila » UIJ luuduiaaln" Diiilb. — (roml a **Zeyl**aiiil Ail 11 IK k klJiH liios ^<l< MJJIMIMO* l'm l|jd (U l \r||»j

W L. MMUMWHI Iiilin - mh̄b l< out lab 1^ - |l MC lion I c 4*O f — l*cionu> ^labi miiiuu i.iulibiik v » olio I.KIHI« I — J siiuiis. kupiin¹ panicuUIM il m.i^is iiiiiiu>i kultaiu lai vibiiik foliu iiii'iiluauai«is. ludrguie loctibui, uiftTiui ibua oppo- MIIN olKnaio-oltloigm. iiiirimidiik IJU folaiji plum* aiutik. glandulu aupularibua 0 podicllik fiuilifuk Ian c juioko - raiuiuoiik capnule kubaquahbua \il ra luugion- bus, ~~apula unucisus, mar, the~~ glamliulukift. kijlu a IM^I libvru. (upkulac par\ue d<- p<aso - ~~glubus~~ te ^iiiiikipllk (vV tvlllplil)

lji I *murmarjum* fl.iiiui, raiuuiv fiudilrna ilnaiicno - palcnUbui, taljcc c qkllti iiiiuii i d< pr« mo- (dolu^i olitnta lubbntiuir, f'ticklia luuluruui subduusfl \u J *midium* biuiliut. lllllllB fruciiftni IIMlII ITOHO •pjioaubui. calui c p<ulau p<ae<dentu paulo ~~majoru~~ piulo »uperaule; feucitra luculuruni lincaii- angustissima

Var Y- C) *Httridanum* ilaiuiu. wmiM iianculdf ciebrit aritico-fnHiiyialia, frur- liforis coir<*riioribu«. capulia oraiit vubacuiic calrci a«qualibu«. fen<'k'ira loLulomni •rmlcllipK a drmm brininbua tUlaVpra<bcnle An afi diMinIa*

Var ^ . ') *Irsanum* liabiu var. «» *»d Qoribua unjoribua. l/uimi* mljeltn* \alde inn* «ii IIIIMIS . iiiiNjorn |ndirrluin brr^cro At rajiaulaaft (non plane mntuiain) ob- tu»am leu <lit*lo »ii|Miniir An »p dUimclnT — Claulu inftfi<*riiiiiiii<infrinr nb- ~~st~~ IIMU, irj|« diilin i<ii'« IMPI i r.is>nif |riu>a« (oniuae. kubrntuldi*. tumuli* IUIK<I ~~nu~~ p<^ iim'diuui (MIUIH alh Mil* p<it« nil<«r<*ct). 3—4-p<||i< ailiu%, apu v |iain iduiiu Folia lauhii (<.ilifu |*ni (it illiuo inulnt. quJfl nubii •u|>nn, .ilimm uili mulii* loii- Kiora cirila pulhiaria. latr lincarín, uiuironulalo*«ph<iif*lii.i. niirtdiin atm.ihl uinrg- me aub Icnlo puntliulia iiiiinuliHiiuu obacMB, (iiiiiin<D t.n Wi I.M\IH\ ~~unucisus~~ avema. «roa>ivra quam Ila foroiae rulfriaria /. ttryinui »Mui<in Rl.unn v| ~~obu~~ u< tiridia, lamrnlia «l floraliti ajffualo liuearia \rl aobulaln. miridmbiM niwi* ~~unucisus~~ unolula Fiutliu poditHlo adj<rio iniernodin rncnim aubduplu brf\iur<i, iiiiorduun reiuuliuii v| ronfrriiorn ~~bd~~ M rlli 1/• — 2 Im luniri. 3-angulatJ, infra tncdiuui articulali. riidculo RUM>iore kubrla|aiu Sopala anKii<i* laiiccolnta, pnnun moe<pi<dio. rrcunu-ntuuiinala (.opMila tfinnu pipona minor. n\ala acutiHtulu

Ircitit in AmITH II »rpl a (utiadu nd Floridaiu C) vi diiKineiu Toianuni (T;

H L MATHMALh.W. Until. «»i llekh \oy. Sulphur «7 adn — IMauchon I. c 4HI i — ..Olabiuii <.iulf airuljio «rgaiu auperna patuculato, fullia alimnla lancoolalia \n| lincaii-laucclulii aculin. glaudulia tiipuJribUR gcuiiiii*. flunbuM nd apic«« minuloruui pauut pedicllalii, Aupalu lalo-u<uln. apite glanduloio-Uliaua. capiula oculiuttula bif\iuribua, pctalis lulcia cakiu \n inplu lungturibui (filaMonlii alaiuinutu ferihum baai vdcoluiiik »hlia liben*' — Lrt«>til in Guatemala

*» I- II\FLIUUF0Mt3i |ial — IMauchon I c 4W f — „L aufliuironum Klubrum caulibus cicclu angulalii. fulm o«aio-oblungti, utrmqut aculip, spaiiai, oppomiM ter- m»w. puuiiula uuiplo, aopalii o>aU§ acuroinaili unineniu. i<ipsulu niurtouaiis Pnl — Cream in Meico — Florea alb I. unguibuf poialoium na\ost(Miibuj ci aun Ooniir |>ouui florci luivi. ui In omnibus affliibui^ ruiuiiuiuir ilt'ioluiifli'). Stjli u bu<i libm vl gtiKinaia capilullala.

¹⁷ L. MhXILAMN II II KIUL >o* g<n. VI. 31 — llui. ltcK t,,|, n?« - Pfhchon I c | — (jabrum datum cau|bua laotibuv, auporiu punuiliiuo.duiaii, fulhi intorme- lui oppoiaii Unccolmo-tliplicli ^cl ODUi aiutiu^cuhs miinbrnncels, morgine icmu

- ic\oluti» glanduli* stipulaiibus &enni!>, tomnbit muliillnii*, sepalis ovatis bievitei icuminalis, maigino glanduloso-eiosia fllanipnii* stimum fcitilium basi utrinquo denliculo auctis, shlis ad medium connate — CKIUL in regno Meccano, in s>|\is pi ope Sta Rosa, alt 1300 lioxap piupc \alapam S \ndiez San Miguel del Soldado, mtPi Mineral del Monte et Huazelote
- is L ORI/ABYH Planrhon 1 r 482 f— Mabium tault simplici elato apice conbOM)-laniulObO folus (intPimediis et supci lonbus) altcinit basi in pctiolum brevissimum ibiuplo contractis lanccolatis acuiis mucionulatis nmgine Mibcnsputis, glandulis ilipuldiibns gemims, floubus laxo coryinbosis breviter pedicellalis parvis, sepalis bre- vissimp a< uminnli->. margine glndulis paucis scssilikfc? oinatis, staminum filaments rdentulis shlis brevibus a basi libcris, capsula ovato- subglobosa, cahci subaequali — Giesut m legm Mcvicam prov Vein fru/ in monte Orizaba — Habitus *L Aiexi-* (ant et *L tuutemaluisis* Caulis giacilis leies Imci> e basi pelioli utrinque decur- icntibus lewiu angnlatus, lucidus rubescens. Folia in tamo cncitei pedali sparsa mfenolia intcinodiD longion, cauli scmiadpicssa, supenora magis distamia erecto- parentia oinma lespedu caulis magis immut>c oblique vert>a, majora 7—8 lin longa 3 lin lain (or\inbuli lloium 4axi iamulo& gracilos a^cendentes, in feme nudos tei- minantc-i FIOJCS US *L Wencuni* multo minores Sepala ovala. 1—IV2 lm longa, breMssuno acuminata heibacca rnargine inlcgia glandulis nigns sessihbus aucta Petala lutca, cahce vi\ duplo longioia late oboxata supra iingucm latum, basi trun- catum glabium tuplmeivi 1, veins tenui^simit. Liccolus Ulamentorum bio\is, glan- dulis 5 (uncatis, cum stainimbu^ fcitilibus allcruanibus substanliae urceoli semi- immioisi** Jilamenti st\lu> t>ubacquaha Ambeiac IICVI - ellipticac, utrinque emargi- nalac (ipiuh giano *Smapeos albae* subaequali, calyce adpre^so lecta
- V) L ORGAM NM Gaiiln in Hook IoniL)Oinn of hot I\ 100 — Phnchon 1 c 483 f — , G[abruin cnuli suffTiudcoso larnoso loins oppoxlis bicvissime petiolatis exacte Hliplicis floubus fpiucis) avilhubus capilatis, capsula o\ala ohtusa valvulis dorso plains' Gardn — Crescit in Brasiliae montibus Oi^ancsibus, veisus summitatem, in dumeds sicci — SufTiute< ascendens inmosissimus glaber Rami tcietcs stnati, lineis 4 elevatis mtei alias minus conspicuas noiati mdc mtcidum subtctragoni Folia 5—b lm laid, 3 lin longa membranacea Glandulae stipulates utrinque ge- minao feepnh glanduljs maiginata Semen tenuissime punctulalurn
- 40 L P\LUSTRL Gardn 1 c 99 — Plinchon 1 t 484 f— Glabium caule sulliuticoso tamoso iam-> oppositis angulatis folus opposite API nmuloium altcims linearibus \p| lincau-lanceolatis aculis flonbus torimnilibus (solitauis), sepalis ovatis acuti* nliatis pellucido-punctali> petalis fla\is, stvlis basi liberis capsula globosa, lalvulis dorso planis — Oescit \PI<US summitalom inontium Organcnsium, in giaminosis hu- midis — SufTrntos pedalis ascendens ramo<isMimi> Rami teretes (tenues) angulati Folia scssiln 2 lin ciroter longa wx. 1 lm lata Glandulae stipularos 0 fapsula subglobosa quinqueiahi*. *Semon* complanatum fuhum tenuissime punctulatum
- il L LITTORAIT. A S Ilil Fl Ria^il mend 1 133 — Planchon 1 c 484 f — ..Glabium multicaulp caulibus ciecti*. foliib linearbu^ acuiis angustis mfenoribus paucis op- posite flonbus pamcuhtis petalis cahec triplo longionbus, MY cienulalis >ar P *ylamlulosa* caulibus minonbu<; subciassionbu^ magi^ angulosis folus cauli magis appressis glandule 2 nigib basi siipatis pnmcula minoie flonbus paulo majonbus — Croscll in Riasiliic pio\ Rio di^l Taneio, in arenosis maiitins — Caulcs plures subfistigiad 10—18-po!hcares, ba^i suiriuticosi tenues stiiati, suporne (omplanati rami alterni crecti, cauli tonsimiles Folia 6 lm longa, \ix 1/2 lm lata nervo unico in caulem dccui rente Fohola cahcina conarca a medio usque ad acu- men utroque maigine glandulosa \cl subglandulosa, doiso costata, extcuora duo ma- iora ovato-lanceolaia ruspidata, intenora ohmata. cuspidata Stjli graciles longi lutti (apsuln MX ciassitudine semmis Cannabis, obsolete qiunqueloba Sommn sub- irregulantor ovata complanaia tenuissime punctulala
42. L ERIGFROIDES \ * Hil I c 13? - Pjonchon^r I. c 485 f - ..Glabium croctum

- raule subsimplici foliis. alicrms subconfciti* lincaribus acutissimis, basi biglandulosis (i e glandulis stipulanbus gemims) pamcula corymbosa. petalis caljce duplo lon-
^ioiibus, vix crenulatis* — Crescit in Orasiliae provincia Cisplatma — Caulis erectus 12—17-pollicans, infcnus crassitudine circiter pennae Com A el tenuior, angulosus, basi lignosa vcl sublignosa saepeque olbido - lutescente tercs vel terctiusculus Folia 12—15 lm longa cimtei 1—2 lin lata, uninervia. nervo medio subtus prominente, supra impresso Foliola calycma cuciler 2 lin longa, coriacea uoummata suppeus infra acumen glanduloso-sonata, glandulis atro • purpureis, extenoin o\ato-lanceolato inttioia suboibiculan - lanccolatn Petala 4 lin longa obo\nta obtuba Stamina caljce subbic\ioia. dentibu^ (Uaincntis inierjectis longiusculi* Shli lutti hbcn Sugmata paivula
- 13 L IIACEUM A S Hil 1 c 134 tab 24 — Planch 1 c. 485 f — Glabrum crectum loins caulium adultioium alteinis roinotis, cauli adpiessis. lineanbus acutis. flonbus laxc pamculatis suuglomeratis petalis calyco 3—4-plo longionbus — Crescit in Brasiliae piov Mma* Geiae* in paludosis — Planta facie fere *Bupleun*, tenuissima Cauli* fruticosus, cncitei 1 1/2—2% poll longus, basi circiter crassitudine pennae Com, angulosus subsimplex vel parum ramosus, slriatus, ramit> erectis Folia no-\cllorum stei ilium et quandoque inferiora ramorum debihum juniorumve opposite, poi pana di&tanlia, circier 3—4 lin longa, 1—1'A lin lata, sessilia lanceolala acuta tuncrMa, plcraque (adultorum et fertiliium caulium) dltorna, valde dislantia, cauquo adpies&a, et ideo punio iniuitu \ix manifesta, circiter 2—6 lin longa, Vi—1'A lm lata, giadatim minora. sessilia, basi haud attenuate, saepe.subliinervia Pamcula valde laxa, parum ramosa (pauciflora) Foliola caljema circiter 17, lm longa lanceolata acuminata, infia acumen suponus glatlduloso-serrata, 5-nervia. Petala circitci 5—6 lm longa obovato-oblonga inte%ernma Stamina pistillo breviora lutea, denies mterjcti minimi Styli tenues Stigmata parva jubpurpurea Capsula globosa, obsolete pentngona, diametio circiter 2 1/2 lin , saepe subpuiporea, dissepimontis spuius mcompletis Semen ciiciter 2A lin longum, valde compjanatum fulvum
- 4) I BREVIFOLIUM A b Hil a Naud Ann sc nat (2 Ser) XVII. 30 — Planch 1 r 486 f — Folns alterms subulatis e glandulosis, infenonbus brevissimis distanlibus, flonbus in lami* paniculac simplicis suberectae spicatum disposals subsessilibus, confcite bractcitis — tiescit in Drasiliae mend prov Rio grande do Sul
- i) L OLIGOPHYLLUM Willd ex R aSchult Syst veg VI 758 — Planch 1 c. 487 f — Cauhbus arcuito - ascendentibus, basi lignosis folns inferioribus paucissimis latiusculis lineanbus suboppositis caetens inullo minonbus lmean-subulatis, glandulis stipulabus minutis geminis vel solitarns, flonbus terminalibus Solitarns, sepalis abrupte brevique acuinatis capsulam subrotundam colore bacjiam subaequantibus, stylis bicvibus a basi ima libens — Crescit in regno Quitensi, prope pagum Paute alt. 7000 ped
- 46 L. POLYGALOIDES Planch 1 c 487 f — Cauhbus e caudice multicipiti plunbus ascendentibus vel subprostratis, folns lineanbus confertis, infenonbus suboppositis, supcnonbus nltcrms glandulis slipulanbus duabus, pedicellis terminalibus vel oppositolus caljce longionbus stjlis basi breviter connatis, petalis flavis calyce jsubtnplo longionbus. capsula subglobosa parva. cahci subaequali — Crescit in Peruviae montibus Ccrrro Pas>co — Habitus *Poly gal ae amaiae*. radix crassa tortuosa, alte descendens rum cicbu 4—5 poll longi graciles dun, inlerne denudati, opicem versus parum di\i<i, folia majoia 5—b lm longa, 1—1 1/2, lata, summa sensim minoia in bracteas ^ubuluas abeuntia Pedicelli raro alares et tune calyce fructifero duplo longioies, plenque ternunales vel suLtermmales et oppositifoln, calyce dimidio longioies Flores *L ohgophylli* Stvli inferne breve connati (in *L oligophyllo* plane lib en; Capsula giano *Pip&is* minor obiususcnlca, calyco arete inclusa, stjlorum basi persistente mucionulaia
- *I I PROSTRATLM Lamk — Planch I c 488 f — Clabruin caulibus (ex uno abbreviato) pluubus ascomlenlibus \el prostiatis (⁹), feitilibus apice pluncs dicbotomodivims foliosis, folns lanccolato - lineanbus A el lmean-lanceolatis acutiusculis, caulims, basi attonuatis membranacei^ glandulis ^iipulanbus geminis vel solitarns vcl obsoletis

- flonbu* opposiufolu* peJictllia Cdlset (^acpiub) biCMuübut bijali* o^alQ-lanceolate ncutiusculi* ton&picuo inaequalibu* majorc capt>ulam depicisso-ovutam subobtusam superantt — Gi tacit in Peiuvia piopo Limam in collibus SICCIS — Facies *Polygalae mljuns* taulid prunuus \ciuslus apico ubscibiib \ix besquipollicdiisf tortuosus crassitu jennic comnic sicut bisca cauliuin litcialium epidminide &nudeicisa flavescenti uilria itttus Caule* aocundru giaule* alus sienlibus dcbilibus glaucis ferrilibw* subpedilibus ciasswe illi cmporeliu sluatis i ubescniibui* Folia m caulibu* omnibus altoinu &ctus pariein indivisdiu laiualiuin trebia inicinodus multo lontuua ucclo-paicnm unguiculana 1/4—1 lin laia consiscentia ilia *Luplwrbiat pr^liis* relertnlio bæi longo cl sentim angut>lati ramealiu et lloialm rhackidi obhquo nilprts^a ngidioiQ, minus conspituo ailouuaia Ramuli infloresconliao sal ciebu breves l'odicolli fiucufen 1—1 ||||, lausbimt inllmo 3 liu longo Scpala marginc sub glandulosa ugidi uno ex extciuiihua micidum inlcuorem ^ubduplo j>uperante Lap-sula sacpius coluic inigis minus\c Aisca I lures expausi ignol^
- 1M L UIVMIS60MS Schude I inn I bJ — Planch 1 c 488 f— Caulibus ascendentibus basi li^ntbecnlibus lamis aliunib fullis lanceolatis basi eglandulosis mfeio-liunbus buboppobilis supenonbus alterms flonbus oppObitifolus (erminalibusque pctalib ll\<> sulib. a basi ima hbcus biigmalibus jcapitatis capsulis acutiuculis >al\uli8 doibo plams — Cioscit in regno Chilensi in elms ad fluincn Liobio — *L lanwsisblmum* (0 Claud Gay hist flt> Glul I pay 46J — Caules c ladicc liguosa b>Uircs ba^i ligiL&conies circioi quinqucpollitares hupernc in ramos alicruos soluti Hurts ptdunculatu 1 olia iniogonima uninuvia neno marginibubque lolioium stui^ LICVIIS per caulm dccurrentibus Caljcina loliola ovaia acummaia dcniculala tinner-
\ia Luiulla llava magmludinc *L ptuifhis* oblusa Filainenta lincana inferne paulum latioia stenlia uon obscaia
- 10 I MACUALI linth Dot Reg adn ad i 13^6 - Planch 1 c 490 f — Glabrum caulibus bibi fiuico»is foliis opposiis alicimsve lanceolatis (saepius lanceolato-Unca-nIJUS) acunmiatis n^idis (tlandulis stipulanbus 0) sepalis, malis acuminati» pctalis caljet duplo longionbus 5\lo corollam subatquante opicc breviter qumquofido, stig-milibus globo&is capsulis acute niucronatis — Cioscil in regno Chilensi prope Aal paiano — *L Cummyu** Lodd Bot Cab tab 19%?— *L AqiUnum* Cl Gtj H&t U i Cbil p 462 — Caulis pniuaiius \ctustus pennam comnam vel anscunain vel ultra ciass us denudatus cpidermide aiida flavesc<nle, in Ion gum sponte Qssa vtl pro fun do stuaia mdutus, setundai us (uilcrdum nullis) 1—3 poll longis denudilis, conferlo ramuloaib llamuli llondi ascendentes vel treceti stncti 3—4 poll longi apice tanlum in corvmbum pauci-Tel pluilloiuin di\isi an^ulato-small Folia conferia, saepius trecto -imbncata ot' cauli guuiadpressa magi^ iaiiius\c oblique versa ngida lanceo-lato - liuearia aculissimo cu^pidata in lord um falcata ses^ilia intermedia unguicularja Vi—1 lin lata paucissimis ex infimis opposiis caetens confeite alluuis, floralibus siibuldUi sicpiu» oppoailis Coijmbi luminales baepius composm (aunc simp lie & |i| ad pLihtillos genniios vel subsolitarius reducti) ramis brovibus conferus, apicc 3—2- \cl unillou^ Stpala aculissimo cuapidaia margme glandulosa Peiala magni-tudine coi mn *L Unuifolu*
- J) I ALTHIOPICLM Tbunb Piodi 11 Cap 57 — Planch 1 c 491 + — Suffruticosum 8 la I) cm in um loins o\alis vel ovalo - oblongia (nunc lineau-oblongis oppositis decusato-irubriciis paubu^ ^upenonbus internodns bicvionbus aculis ngidis glandubs stipularibus genuus conmbib compoMfib contractis saepius mull/- et densiflons stvhs ad mtdium coninti^ sepahs o\ato-lanceolatis acuminaiis glanduloso-ciliatis capsula subglubosa obtu^a longionbus — Credit in \fnCa Capensi — Species libilulu lobusiioic quam atllne* LauLs primal ms (e>) (in specimint mfernc abscissus) crassiiic pennac ansennac sicut secuodfiru cortice exconato llesccnte tectus Caules secun-daru saepius ramoa Mr>atos erectos opposilos 2—6 - pollicaros agentes Rami tereies lincis quatuor elevatis, c basi foliwiun dccuirntibus slnaii lateralca inderdum longi graciles llagelliforraes cunato-aacendentes lamuli^ sienlibus vel passim flonfens **crebruscults** otnau Folia in pouc infeuoie ramoium confoin, in Mipenoie inagis

- ilissita, nempe internodu* saepms breviora erects \el patenti-erecta (vetusta mflma siepe deflexa) omma 3—4 lin longi 1—2 lin lata rigida nitida, margine saepms plana et lievn mucronulali Coivmbi c CMTIUIS simplicibus vcl plunbus dichotomis, cootraciis 3- \el plunflorib ronstantes inde ?—20-lion Pedicolh flonfen calyce subduplo bre\lores versus medium iiiiiculati Scpah saepms ovato-lanceolata, acute cuspidata tncrua cipsulim grano *Pipcus* subacqualcm paulo superantia
- 51 I PUMGENS Planchon I c 491 f — Fmliculosum glabcirnum caulibus (\ ramis) virgatis sulcato-angulitis ~~fill~~ > oppos>iis \cl in pirie supenore ramorum alternis anguste lmeatribus \el subulalis pungentibus lmrigne obsolete involutis, glandule stipulanbus gemims corjmbis dichotomis laxis vel contractis scpalis lineari-lanccoloiis eumic cuspidatis conspicue glanduloso-ciliatis capsula o\ata acuta longionbus, stylis fere a basi hbens — Grescit in Africa Gapensi — Caulis pnmanus more ifflmum denudatus, mox in ramos (\cl si vclis, caules) virgatos, 12—16-pollicares simplices vel iteium ramosos dmsus Rami lineis 6 clevatis stnati o quibus quatuor ex latcnbus pans singuli foliorum duo ex eorum nervis medils docurrunt Folia infima conferta opposita internodiis 5—6-plo longiora, 3 lm longa 1 lin lain intermedia et superior! anguste lineana vel subulala opposita vel allerna, internodiis breviora vel parum longiora, hacc patertti-erecta 5—8 lin lata, 7<—V* lin longa, omma ngida crassiuscula pungentia uninervia Inflorescentia *L Aethioptci* Pedicelli fructiferi cahce duplo breviores, apice ariiculali Sepala 2—Va lin longa, petali* duplo (?) breviora trinervia ner\is lateialibus apice tantum conspicuis Capsula ovata, grano *Pipcus** subaequahs calyce subduplo minor, styli basi bieu mucronata
- 52 L AFRICANUM L Mantiss 360 — Jcq ft rar tab 353 — Bot Mag tab 403 — Planchon 1 c 492 #f — Fruticulosum glabrum caule vel ramis striatis, foliis oppo-
8iti8 (supenonbus alterms) lanceolato- vel anguste lineanbus pungentibus, glandulis stipulanbus 2 conmbio c>mis demum laxis, fructibus nempe distantibus composito, sepalis extenonbus ovato-lanceolatis (interionbus ovatia) acuminatis brevi-glanduloso-ciliatis capsulam brevier o\atam acuinscuhm subaequaniibus vel parum superantibus, stylis interne connatis — Giescu in Afuca Capensi — Species a *L pungente*, cui habiui valde accedit, caute distinguonda sepalis minonbus brevius cuspidatis, minus conspicue glanduloso-cilia Us, capsulam breviorcm et latiorcm subaoquantibus, nec nullo superantibus, praeserlim stylis mferne connatis,
- 53 L ADUSTUM E Mey mss ex Planchon 1 c 492 f — Fruticulosum el alum glabrum caule (velcaulibus?) stncio supra medium in corymbum laxum amplum abeunii, foliis alterms cauli semiadpi essis looge linoanbus pungentibus glaucescentibus, glandulis stipulanbus 2, pedicellis fructifens capsulae ovatae acutae subaequatibue vel ea paulo longionbus sepalis lanceolatis cuspidatis conspicue glanduloso-ciliatis capsula longionbus stalls longis ad medium connatis — Grescit in Africa Gapensi — Species a *L Africano* et afflnibus certe distmcla Caulis adest secundanus? (nempe verosimiliter ab alteio basilan primano avulsus) l/a — 2-pedalis (corjmbio adjecto), mferne longe denudatus, ibidem teres et tenuiter plunstnatus (nee angulatus), superne in ramos plures solutus alternos, aphjllos (nempe tantum ad furcationes vel ad florum insertionem foliis minutis, subulatis mstructos), tenuiter sulcato-angulatus, spatio 3—6-pollicari nudiis, apice in ramulos alternos vel ranus oppositos, renrote pauciflofos divisus Folia omma alterna, 12—15 hn longa, 1—1¹/_{*} lin lata, sessilia, parte inferiori cauli adpressa. supenore saepius oblique versa, recurvo-patentia, in sicco glaucescentn consistentia ngida, nervo unico utrmque prominulo et basi in caulem decurrente, Corymbus semi-vel subpedahs, ramis eicclo-patentibus Fructus (dum rami mflorcscentjae alterni sunt, quod semper in inferioribus ac^pidit) bractcae oppositi (inde re ^eia terminales, quamvis laterales appareant), superiores saepius alares vel ramulos extremos infl^rescentiae terminanies, bracteolis tune oppositis vel suboppositis Flores ilhs *L Africani* majores *Ulis h tenwfoln* paulo minores ante anthesm saepe cernui Sepala 2'A lm longa trinervia nervis hteialibus obsoletis Petala cahce plus quam duplo longion siccihte pallide flava Stvh pptahs subaequales Stigmata

inmutQ capitellata. Pedicell fructifeu 2 lini longi, apicc articulati Capsula grano *Piperis paulo major, Pt*o minor, incomplete 10-loculans, lenestra semiseptorum semilanccolata*

- 54 L THESIOIDESBaill Linnaea VII. 540 - Planchon 1 c 491 f*; — Suffrulosum glabrum loins sparsis lineabus nculis, basi pglandulosii, panicula tonmbosd erecla, tlonbus brevticr pedicellatis scpalis o\atis acutis pectinalo-ciliatis fructuin acquantibus, pctalis fldMs cnhcu duplo longionbti* — Crescit III \luid Cnptusi in locis lapidoso-arcnensis ail laditc* munliuin Lewenbug cl \>iubug pi opt uibtm tap — Caulos e taudice abbre\iato fruticoso plurts, ascendent!-ciccti, coymbo adjecto 6—12-polhcarcs, crassitic flit emporuici, basi foln^ denudati, superne suhnudi vel folus distantibus adpressis piaedili, infia medium dense foliosi, Imois o foliorum lalcnbus ct c nei\is mediit (leciurctiiltu^ < Ie\ato-stridti Folia A—H lm longi, \ix srmilineam lata, maigmc plamustulo la<\ia, IKI\U unico uliinque fpicseiinn subtuj) prommente Rami coijmbi .iloi mr supiuu Mtuin oppositi, mieioK^ 1—2-pollicais, m cjmam fore regulauler diclioiomam, flonbub alanbus uibiructam desincnubut, I^diccelli fructifon 1—2 lm longi, capsulae aequales vel eam superantes, apice articulati Sopala tipsulae mngis adpressa quam in spccicbus alfluibus, situt biacieae, cilns glandulifons longmsculis ovnatQ. vix vilua limnin longu Putala n<i\ a, non nte obs<i\atn scd evidnrncr illis L *Afincant* nimoin Lipsula tmta .lcuminam giano *Pipms* lcic iunoi, srpli& semisectisqic piloso-cilnlis
- 55 L TIUNULIGH Eckl & /ejh Lnuinei p J5 — IMndium I c 495 t") — SulTmtiosum suberccium glabruin folus alternis oppositc vtriciilldUsve tliipljos vel Inncioltdo-oliloriKis uuirionulniis inoi^iuc itivolutis Houbus (Oiymbosis brevitei pedirt Hall's scp illis o\ilil)us <uj>tlli iitquantibus, puiali<> H\MS calico duplo longioribus - Ciosut in AfiKd (.ij>cnsl <t in LalTna —L <iuatli ijoUum Tbnbrg Fl. Cap. p 277 — /, \j)\uinum Kuiibb Iron rxoi 1 lab 461 — IMunta tola tirtiler pedalis. Folia infcnora 5—8 Jin Jong.i, 2 lm. lota. Tcie r>einpoi inieinodus bre\ioia, mterdum omma alteina vel opposita, \orlicillib Hcmpei rans, rigide uicmbranacea glabra uniorvia Petala euljee plus quam duplo longioia Ciipsuld grano *Ptpeis* subaequalis, semiseplis margine pilio paucis Lilians Smna oblonga compiesbJ, Juea breuoiu, pollidc fulvi nilida laeviasuna
- 56 L GRACILE Planchon I. t 496 f — Fruticulosum glaberrimuin caulibus secundaris Aimplitibus \el parum ramosis giucilibus (enuitPr angulatm, folus oppositis vel alterms anguste oblopgis acutis rigide membianaccis, infenoribus basi attenuate; glandulis stipulanbus 2. aepalis o\ato-lanceolate eximie cuspidatis capsulam breve ovatam Huperaniibus, margine glanduloso-(iliatis. sl\lis longe supra medium connatis. — Grescil in Africa Capensi — Species ab dfflmbus L *Thunbergu* et L *quadi tjoho* atylis longe connatis facillime dignoscenda Kami stenlos undique, ferules a basi supra medium foliosi Folia inlornodiis longioravel bre\iora« feio omma erecla, unguiculana, cucitci 2lin lata, brevitei muironulata ngida, atlamen minus crassa quam in L *Afncano* et afflmbus, inargi-

) Fortasse idem ac

- L FRUTICUIXhSIM Planchon mss — Glabrum caulibus secundaris trebns \irgatis>, suppine subnudis et in coijmbum raulti- cl confertillorum abeuniibus, folus alterms ciobns crocto-imbncntis anguste lineanbus pungentibus, glandulis stipulanbus 0 \el gemiuis. floubus iructibusque parvis. tiylii fere a basi ima libcns, sepalis anguste OVQDS bioMtor acuminatis hiaclei^quc glantulobulo-uliatis, mmd copsulam subacqnaniibus — Crescit in Africa Capensi

- *) Hue dubianter refeio specimina slirpis, CUHS diagnosis et descriptio sequuntur
- L KEICIIENBACHH Planch, mss. — Fruticulosum caulibus secundaris plunbus simplitibus vel tnfuicato- aut allernc ramosis, inferne icietibus pubeulils, caeieium glaberriniis, folus infenonbus sparsis oppositis et quatcini* inguste. oblongis mleimeds lineanbus vel oblongo-lineanbus, summis lloralibusque subulatis, omnibus mucronalo-pungeniibus. corjmbi Ian ^el «\ubcorifeiU rumis unilalralitei Iruclifrnns MI in cjmam dichoiomam divisus, pedicellis fructiferis. capsula ovala brectionbus sepalis o\atis, breviter acuminatis glanduloso-cilialis capsulam subapquantilnis i\|di> distinctn — Habitat in Promontono bonae spci

nibus baud involutis. tinctu laevibus, nervo unico subtus prominente. venis nullis, superficie utraque punctuliculis centro depressis, sub lente validae a particulis salinis referentibus conspersa, summa subulate cauli scmiadpressis, floralia margine glanduloso-ciliata. Inflorescentiae saepius pauciflorae rami alterni, secundarii apice uniflori vel dichotome-cymosi. Pedicelli fructiferi erecti, l'A—2 poll, longi, paulo supra medium articulati. Flores ante anthesin saepius nudi. Sepala uninervia, nervo medio prominente. Petala . . . (in specimine imperfecta). Styli pariter indivisi calyce plus duplo longiores. Capsula grano *Piperis* paulo minor, apice obtusiuscula, septem margine piloso-ciliatis semispatisque glabris, fenestra lata semielliptica. Semina compressa, pallide fulva lacuna nilida.

57. L. QUADRIFOLIUM L. Sp. pi. 402. — Planchon l. c. 497. f—Fruticulosum glabrum: ramis secundariis (saepius) acute tetragonis; foliis inferioribus 4—5-nis vel oppositis vel rarius nullis. saepius patentibus vel subdeflexis ellipticis vel oblongis, utrinque acutis rigide membranaceis, superioribus sparsis alternis oblongis vel linearibus; glandulis stipularibus 2; corymbo composito plurifloro; sepalis obovato-innatis acuminatis minute glanduloso-ciliatis capsulae ovatae obtusiusculam subaequantibus; stylis fere a basi liberis. — Crescit in Africa Capensi. — Caulis primarius (vel unus et secundarius?) saepius elongatus gracilis, decurrens foliorum oppositorum vel dorsum medii foliorum qualiorum quadserviatus. inde magis minusve manifeste tetragonus. fere semper ramulos oppositos laterales agens, interdum apice in ramos 4 umbellatos divisus. In frustulo speciminis horlensis, duo ex bis ramulis lateralibus video flore unico intra folia sessili terminatos; sed speciminibus sylvestribus contra, ut in botanibus melius evolutis, rami superne foliis paucis ornati in corymbum magis minusve laxo divisum abeunt. Flores videtur maioriudine eorum *L. tenuis* Desf. — Pedicelli fructiferi calyce breviores. supra medium articulati. Capsula grano *Piperis* subaequalis. semispatisque glabris. sepiis ciliatis.
38. L. EMIRNENSE Dojer. Ann. sc. nat. (2. Ser.) XX. 99. — Planchon l. c. 497. f—Herbaceum glabrum: caule tenello erecto; foliis parvis suboppositis, superne confertis subimbricatis linearibus vel lanceolatis sessilibus uninerviis: glandulis stipularibus 2; floribus terminalibus solitariis vel laxo paniculatis, pallide luteis; pedicellis calyce duplo superantibus; staminibus fere liberis; capsulis globosis acutis. — Crescit in praealpibus pascuis vallibusque humidis prope provinciam Emirnam insulae Madagascar. — Sepala basi glandulis 2 nigris. illis foliorum consimilibus nuda, quo charactero stirps ab *mf* flibus exlimie distinguitur.
59. L. SCHIEDEANUM Cham. ft. Schlecht. — Planchon l. c. 498. f*)—Pteris glabrum: caulibus e radice subnatis pluribus gracilibus teretibus obsolete quadrinervi-

•) Diagnosin et descriptionem subijcio stirpis dubitanter huc relatae:

- L. COULTEIANUM Planchon mss. l. c. 498. — Fruticulosum glaberrimum caulibus (v. ramis?) parvis sulcato-angulatis; foliis inferioribus 3—4-nis. intermediis oppositis, superioribus alternis, omnibus linearibus vel oblongis acutiusculis rigide membranaceis; glandulis stipularibus 2; cymulis paucifloris corymbosis longe pedunculatis; pedicellis fructiferis alaribus vel oppositifoliis (v. l. terminalibus) calyce aequantibus (infilmo interdum triplo longiore); floribus parvis: sepalis lanceolatis breviter glanduloso-ciliatis. capsulae parvae ovatae acutiusculam partem superantibus. — Crescit in Pagine Mexicanae regione Zimapan. — Species *L. quadrifolio* affinis. a *Schiedeano* imprimis glaberrime inflorescentia, foliis magis dissitis et minus frequenter verticillatis, et corymbis multo amplioribus forsitan distinguenda. Caules (vel rami) duo nascuntur a sese invicem et a caulo (primario?) avulsi, sub inflorescentia circiter 7-pollicare. q. inflorescentiis ipsis 5—6-jollicaribus. Folia haud crebra, rarius verticillata, internodiis semper breviora. 5—7 lin. longa, 2—2.7? lin. lata. inferiora basi attenuata erecto-patentia. Inflorescentiae rami primarii circiter 3, laterales, spatio 2—3-pollicari plane nudi, superne bifurci, cum flore unico alari, ramulis circa oripollicaribus. nudis, apice in cymulum 3—9-norm centrato compositis. Uracinae oppositae subulatae, glanduloso-ciliatae. saepius utrinque denticulo setiformi auctae. Pedicelli fructiferi graciles, striati. apice lantum articulati, fere omnes I—IV, lin. longi. infilmo interdum 4 lin. longiores. Flores illis *h. Gallici* subaequales. Styli non visi. Sepala acuta cuspidata, 1—1.5 lin. longa. uninervia, nervo medio prominente. Capsula grano *Piperis* multo minor, semispatisque margine glabris.

bus subsunplrcibus foliis pseudo mucilhtis (4-nis pscudo-oppositisque, fcic sempu
iltornis ex obo\alo laiuuljljs it MH ui-lnntLjhiis bibi illenuatis scssilibus apicc
mucionuldtis marine subudis Knuitu um- tt liiplinuviit CMiiae fa^Uo'ialde ramis
prinnriis ilicrms biicuis scpilisqu o\ato hnciohtis atutis gl induloso-seiruldlis et
flrnbnas illis c ip&uld puvu acuta longioubus — Crescit in s\l\aiius pi ope Jdhpam
Sin Andres rt,ni Me xit ini — Folia ad surnmmn 7 Jin lon^a 2 lin Ian Rami
Inllorcsetnmt llnuarii willaiPs nterm in c\mas abeunt plurits txactt dithotonm
latnis in ii (jü ltitci uiuhtonlilu ivolutis post piuiim \ quint uu ditholomiam
lloihitis lluiiu ilunu* ldiru &olinrus bibriectetiis ouni Hi icctie lint aits acutae
Flores ptnliincn HUM paivi brtvisniK pedicelloi Stpala connata Jruclus qudm
lilt I nu inthulici p uilo imjor

bO L CRUCKTA Phnclion 1 c 499 f — riuculosum datum inflorescenliac lamis
excej(i) {,11hinm ciulr pniiii rhn^ato Iitmlil)us fer< ad ijuum usque lo
lio^is folns (id)i vtlicillaiis ^4—i-nis; ollj tico -hnceolatis utunque acutis
maiginc nhn lulildis sunniis in^ustioiJJUS altcinis comnbi flonltn parw
ramis jpice (\in so-flonl(iis pidicellitqut | IUnli-pilosulis llonbu^ pai\ib bre-
vilti pc lie ell His c Diifi i tiusculis <>Lj nils o\ito - lanceolatis ru^pidjiis brartosque
ghndiiloso Lilitii sLylis a bast libdis — (resell in icgm Mexicam diiiom Topic —
I Scuduiium Hook & Arn liol Betel) p 411 — Habitus Gain LUUIH (pnma-
iJUS ; 4—10 pollicans baud crassus recius teres obsolete sinatus nliquias inflores-
centnniin \lustirum ramis flaidis mtirspoi>is cvlubens Ranu lloufm giacilos,
sni lie s \il hi aut tiilurcail ramo intcinjedio tune itoium bifurcaio ghbeirimi
icult | Inn in in Idia cicbi i ftic omma \cnicill ila tl lnlnrnodus bie\iorj eirclo
I UIILM \tl pdicniia ml subdeflexa 3—5 lin longu 1—1'Alin Ian txacic elliplico-
hnci JI \ | I asi kvild anustata tpict brevitci acumman spbacchlo-mucronulatd
inii^in \K (IOSO rt iint indt glandulis brevi- el trasse-stipiiQlis ornalo undo inter-
duin t\ ill suit lenicuhilo unmet via crassmsculo niembranacea sicclato rigida fra-
tilii siiuuiic vmdn (jhndulao stipulates pio folio quo\js gtmmao \cl inlidum
qualorn ic una pans singuli alierac tune ^uperposua nigrac Coijmbi (floudi) rami
3—i ilicim vel suboppositi nut umbolluto - teini 1—1'A-pollitares apice cjmoso-
paucidivisi ramulis bre\ibus 1—5-0ons Podicelli florum alanum 1— % lin longi
terminnliuin bicvioics omncs lenues apice ailiculali (Infloiescentue \eiuslae quao
post tapsuhrum omsum scrus caulem persislunt lamulos exbtbent plunes dicholome
ct nLU'ine dm&os ct 'ongitudinc fert tola pedicejlis 2 lin longis umlateraliler vrsis
rrnaios Flores illis / Galliu fere nnnores Sepala ovato-lanceoldta vel lanceolaia,
glabra tuneivia nctvo nudio pioimnente Peiuh fugacia non visa Stigmata cipilel-
laia —XL Schitdeano e\identer differt babilu \egttationo, foliis crebnus verticilla-
tis laionbus niutinc glandulifcns el inQorescenuae laims sjcut pedicelli, pilosulis

61 I TCMLIIMOiam a Schlichtd Lmnaea V 234 — Planchon 1 c 500 f — Perenne
undique \illis pitcnlibus cnspulis subviscosis hispiduluni cauhbus gracilibus, superne
in evns la\iuscuhs abeunlibus foliis obovntis el lunctolatis vtl ellipticis alterms vel
passim oppositis nut t(i nis qu net nisvt ghndults slipulai ibus geminis pedicellis capsulae
OAitic subicquidibus \el (a duplo longioubus apitern versus artitultatis stvlis a basi
liberis smisepii^ (jpsulae miigine glabus — Crescit in s\l\aiicis prope Jalapam
regni Wtvicini — PI inn ion 6—8-pollicins gi icilis I olia dd exiiomum 5 lin lata
Florts et liuclus cntitti iugnildinc illoium L lalhaUci

W h S(ABRLLI L>I Plandion 1 c 507 f — Undique cinereo-scibrellum cault (secun-
dario^ stntto superne in i inios j lines fasligiatis apico pnncilloros diviso foliis par-
vis confute ilteirus ereclo-imbucatis lineanbus aculis ^lanclulis stipuhnbus 2 flo-
nbus bre\itor pdicellatis sepalis o\alo lanceohtis cuspidalis capsulam ovatam acu-
tim supeiamibus petalia flavis cuntldo-oblongis ipico tiuncalis cahce plus duplo
Jongioubu** snlis a basi libens — Tiescit in icgni Mexican! ditione Zimapan —
CauUs implicts rscd \trosinuliter o basi communi avulsi) circiter 7—8-pollicares
giociles lignoscinkS folns irretus undiquo tecu Folia stssilia lineana 3—4 lin longa

semilineam vel ultra hta saepius scuoi*a ti ipite acuto leMter mcurvo - falcata. suptnoia ad basin ramulorum saejuus latioia caeierum sensim in biacteas subulatas abeuntia Florcs sat confcrti n» *L Gallui* subaiqualcs Pedicelli supenores calyce breviorcs mfenoijs et praeseiinn fuciifen longiores Sepala acutissima tner\ia Stigmata capitellan Capsula grano *Pipens* minor

Sci———*HALOLIM*^] ^chon — (Wlps Annal I 95)

- 63 L TKNUI Hesi Hoi All I ^0 iW81 — Plnthon I c 507 f—Annum glaberunium caule 1KM supms sukmo foliis nnguslc - linevibus \cl lmoan - lanceolaiis 1—3 - nemis irni^siinis nngim M\ siabi lusculis corvmbi composili ramis apice cvmikns pc<hc* M*, fiunikiit dunuin unihiii ilitor cjrnoso-racemose cnl\ce paulo bievionbus (mflmi> mlerdum duplo longioribus; <tpahs cuspidatis corolla tnplo brevioribus> cnsulam aculun supuantibus — Crescit in Lusilama, Hispami austraji et Mauntania — *L melanthum* Brotcio Fl Lusit I p 484 — *L vngatum* SchousB — *L scabrum* Kunzo — Sepala 1—3-nervia margine ciliaio-glanduhfera Stigmata Iongiusculc linroii-clavala
- 64 L M4RITIMLM Linn sp pi 400 — Rchb Ic fl Germ fig 5172 5173 — Planchon 1 c 508 f — Percnnc glaberrunum laeve glaucescens foliis elliptico - lanceolaiis vel lineanbus inftnoibus opposilis pedicelhs fructifeiis capsula tricnte vel duplo longioibus sepals o\aiis bre\iter cuspidatis pctalis plus tnplo brevioribus. 4apaula ovato-globosa suboblusa parum longionbus vel ei subaequalibus — Crescit in mantimis vtl submaniimis Luiop\c austr<In> occulenialis et Mauniamae

Submenus IV *Syllinuin*. — (Wlprs Annal I 95)

Series * *UMONIOPSIS* Planch — (Wlprs 1 c)

* Flonbus flavis.

- 65 L ARETJOIDts Boi^ ms^ ox Plnchon I c 509 f — Percnne dense pulvmato-coespilosum ghbi inniuin taudiculis dense fohorum \etusloiuin reliquns fibnllosis vestilis, apicc foliosis. umllois loin*, ad apicem caulium fasciculatis anguste luieaubus substtatti* Dic\ibus> acuuu^culis uninervns nlbo - mirgimtis floialibus apice dilatato -subspaibulaiis flonbus in caespite sessilibus enhns lohis o\ntis acuminaiis albo-margmotis serrulalis eglandulosis pctalis obovalis IUUI>, cahct duplo longionbus cnsula flaxescnte rotunda cahce longioie — Crescit in legione alpma summa, in cacumint mentis (adnn supra Geipa, ct Tmoli, supra \allcm liozdag
- 66 L *CARILNSL Boiss Diagn pi or V 8b — Planchon 1 c 509 -j.— Pccinne basi suffricosum multicuile, totum sub lento parce puberuluni glaucescens caulibus humilibus simplicibus acute angulatis foliosis foliis lincaii-<ub>palhulatis umneviis canatis obtusis, bievitei mucionulatis, maigine ciliatulis, inflmis mimmis imbricoto-approximatis caetciis majoubus spais ilonbus paucis ad apices caulium laxc cor\mbosis sepals glabns anguste lanteolatis ciliatulis coiolla lutea tnplo bicvioubus stamiDibus longitudmo cnljcis <lib eo longionbus capsula caljce puulo bie\iore" Boiss — Liescit in Cana.
67. L FLA\UM I Spec pi 279 — Rchb Ic II Gum fig 5178 — Planchon 1 c 510 f — Fruticulosum glaberrunum ramis (7—12-pollicaiibus) piofunde sulcato-anguldtis> foliis spalbulalo-oblongis (supeuonbus lanceolato-lineanbus) 1—3-nervns, flornlibus subulalis oppositis glandulis slipulaubus 2. cjmao fasiigialae ramis pnmariis bubaeqmlongis, sepnlis lanceolaiis bievier cuspidalis. corolla campanulaia 3—4-plo bre>ionbus, capsulam atuiam aequaniibus >tl vix superanlibus. — In Europa austi all-oriental!.
Vai P- *leiamcum* Gnseb Omni pane minus cjma pauciHora — In Thracia
V *Pamphyhcum* Boiss a Heldr Didgnos planl onent nov VIII p 106 - Caespiiosum caulibus pumilis superne divancatim ramulosis foliis radichbus ovato-pnthulaiis, in petiolum breviter attenuaiis obtusis caulmis oblongo - *el linean-lancoolatis acuiis, bnsi subantruslalis sepals angustis hncan - lanceolatis denticulaus

- corollam dimidiam bubaequantibus — / *Pamphyluum* Bois*. 81 Helder — Ciescit in Pamphylia
- 68 L CAPITATUM Jacq. Rotm ft Nclmt Sjst M 731 — Rclib 1 c l)g 5174 — Planchon I. c 510 i — Fiuliriilosum humile ghibium loins inflims losulalis spothulais margine glabus Ciccins laculnife⁰). supciionbus lanceofhlis acutis acuminatisque, margine srahiis ghnduli* stipulanbus l c\m,i 3—10 -flora m rajululum contactQ >(pahs lanctolatis itummati9 subseiraii^ ~^y^tft '» a'pe Cioatua Plissieueza
- 69 L PAMPHYMCUM Lois*. a Helder HISS dPiManch< n 1 r 311 f — FiuculOhuii ghbrurn humile caulibus urgatis tenuitu lineato-angulatis ioliis alierms lanceolato-lineabus neutissime cubpulalis glauco-wndibus uninciviis, morgine leviiei scabns, floiahbus suboppobiii8 glandulis biipulnibus 2 minutis, cjmis pauciflous leumnalibu^ contractis (toubus sul)scs>ililms sepalis t basi o\ata lanceolala cuspidtis margiue minutisKimu dfnticuhtjs, pciali< >bus. duplo bievioubu* — Oescit in P<ini)h\lid el III regno Kuidisiano, — Caudituli abhiMiui lignosi dcnudali loituosi, epidennide gnsea \estiti, MX. pollicaics, caules 6—7-pollicares urg-atos ag-cntes Folia (in parte inflma caulium sub anthesi nulla) ciccia, mteinodujj longiora, a basi ad a pic em coulis senaim mQ\oia, suprma \JX 1 poll longa, 2 lin lala, oinnia plane sessilia, apicc acutissimc snblalencia CMTII cim'pr 7-llon nmulib secndaru^ oppositis Petala pallide flava
- Ob** Species inter *L flavum* el *I campanulatum* quasi media, a prioie distincta foil is lanceolnto-Imcanbu^ acuminalis nee subspalhulalis el inneivus, ilonbus paucioribus, donsms (ongosti^ < posirnoif floribus paulo m/noubus et corjumbo contracio
- 70 L TAMPANLI VILM L Sp pi 400 - Rchb U 11 Genii flg 5173 — Planch 1 c. 512 f — I luiiculosiim prhiiiiti ||| ghncosocitii> lo Ins mfmoiibus spa t hula us confei-LS supicm^ Innu ol ito - liruaribut opposite ^Iauduli^ *»filiu nibus 2 runoe ramulis paucis iriocquulijus, (iemuin spaisiDoii\$ srpalis lanccolalo -hnomihus cuspidal/^ ultra 1 lin longis niaigiiit' mnnlnanacco vix prosulis corolla infundihulifoi mi - campnnu-Jata subliiplo bievioubus, c ipsulam an^uste ovatuin atumialam suporantibus — Cres-<it in Gullia ausiiali
- 71 L SIMSII Planchon I c 5U f. — Frutico&um 2—3-pedale (el ulna⁹) lamis pluriPfe divisis denudalis, jamnlis lloiidis longiusculis toliosis, supeinc in c\niain Lixain, domum remotilloiam olicunlibus folns angusie ^palhulatu- oblongis*, inlcnonbus ^ubconferlls cunno minis nlicmis domum elongatis sepalis lanccolato-linranbus coiolla 3—4-pIo bievioubus penlis flavu, lonroliiibus — Crescil in Oicnle'— / *aiborevm* Sims Uoi Mig i 231 C>xl s>non Lmn * non Siblln ci Sin FJ Giacc;
- 12 L AHHOHI LM Sibili a Sin Floi (jae< l\ iih 303 — Planchon 1 t 513. f Fnuiculosiim)-p(dalo ^lahruin laeve caulibus ramose dcnudatis. ramis flondfs longiusoulis oinsvis a lusi ad apicem subaoquahtor foliosis, folus alternis intcinodus inu'lo longionbns itcuno -palentibus spatulalu* obtiisiusculia tnnoiMis rjrmulu plunbus paucillois in pdinculnni biai foliosam niuilifioiam teiminalcm collectis, floubus congcsiM bromler pedicellatia sppalis obovalis acumintms coiolla duplo biCMonbus pilaus obo\ \tis llavis lineis auaniiacis vniatis — Cifscii in moniibus S\haciolicib
- 73 L CALSPITOSUM Sjbllb a Sm 1 c lab 306. — Planch 1 t 513 f — Fiuliculosum globirrimum glaucescens lamis (vel caulibus) o caudicc crasso mulucipite plunbus abbreviatis, basi losulalo-foliosis, npice in cymam paucilloiam abeuntibus, fulns acutis, mflmi9 ramealibusqie spalliulalii, (lotahbus obloiigo-linennbus alternis, llonbus in cjma 5—2 vol subinde solitQins, sepalis OMto-lanconlaliis capsulam subglobosam acuinnaiani snbacquantibus, 6t}lis a basi distinclis
- p. i Sieben* elauus, caule fiutitoso trasso lamisque htualibus numeiosis sarpmns mtncato-loituosis denudaus. ramulis extronn^ 2—4-pollicanbus (c\ma adjerta) folus ramtahbus oblongo-lmearibus, summit basin rjmae slipantibus opposilis vel suboppositilis vnl alipinis, c\ma comractn sepalib eximic ruspidoiis — \n species di-
~~uncta~~ ? — Ciesoi in monubua elationbus Tretae

L. arbor/mm Si eh. an ad varieiatcm p. trail on dum *L. globulariaefolitm* Poir. Encycl. sapp. IH. png- 751.?, quamvis calyces obtusi el (lores pedunculati obstare videantur.

74. *L. NODIFLORUM* L. Spec. pi. 401. — Ri-hb. Ic. 11. Germ. fig. 5171. — Planchou 1. c. 515. f— Annuum glaberrimum: caulibus ramisque profunde sulcatis; foliis oblongo-lanceolatis, inferioribus basi magis ininusve aicnuaiis; glandulis stipularibus 2; cymae dicbotomae iamis d em um rcmoiigorjs; pedicellis fructiferis brevissimis; sepalis longe linearibiis, corolla dimiiliu brevioribus, capsulam ovaiam acutam longe superantibus.— *L. campanamim* L. lurb. — Crescit ab Isiria versus Orientem usque ad Euphraiom et mare Caspium oxtonsa.

• • Florilnis albis.

75. *L. ALBUM* Kotschy inss. ex Planch. 1. c. 516. + — Annuim? glaberrimum glancescus: cuulilms ascendnibus, inferne ramuliferis. superne in cymam laxem pauci-et remotifloram nbeuntibus, obtuse sulcato - striatis albidis nitidis lacvissimis; foliis obovato-oblongis, uni- ei obsolete triplinerviia, margine albido vix erosulo scabriusculis; glandulis strimlaribus 0; Horibus subsessilibus magnis; sepalis lanceolato-linearibus. anguste albo-marginatis erosulis. — Habitus *L. noiliflori*, sed planta magis glaucescenti-nlbida (in sicco); ^landulae stipulares 0; corolla alba magna infundibuliformi-cnmpanulaia. - A t . *Persico*, cui valde similis, diiTert radice anoua? cyma ramosa et sepalis anguslioribus, angusle nee late marginatis. — Crescit in Persia australi. inter segctes in collibus prope urbem Scbiraz.

76. *L. PERSICUM* Boiss. mss. ex Planchon I. cit. 016. f — Fruticulosara glaberrimum glaucescens: caulibus virgatis siraplicibus vel supra medium bifurcis; ramis (v. caulibus) apice unifloris; foliis rnrns oblongis coropHcatis recurvls; glandule stipularibus 0; sepalis ovniis cuspidatis. late pelluoido - marguiatis. capsulae subaequalibus?

Var. p. *Aucheri*: loliis lincaribus pluniusculis erectis, sepal Is aDgusiioribus. — Crescit in Persia ausiruli. in convallibus ad radices montis Kuh Dafena.

77. *L. LEUCAMHLM* Boiss. ti: Sprunn. Dingn. pi. orient. I. 55. — Planch. 1. c. 517. f — Basi fruticulosuui glaberrimum glaucescens: caulibus ascendentibus brevibus angvJatis; foliis inferioribus rosulniis spathuhuis, caulinisque lincaribus alieruis, suuunis 0oralibus opposite et suboppositis; glandulis stipularibus 2; cymis semel vel bis bifurcis, pauci- et deinum remotilloris; pedicellis fructiferis brevibus; sepalis lincaribus. longe subulaio-cuspidalis, capsula ovata acuta niullo longioribus. — Crescit in Graecia in rupibus calcarois aridissimis IK nielli, prope Alhenas et in promontorio Sunio.

78. *L. VELUTJNUM* Sieud. mss, ox Planch. 1. c. 517. + — FrulicUlosum. pilis simplicibus velutino-cinernum: folii* Npnhulntis (inferloribus rosulalls) uninerviis; glandulis stipularibus 0; cyran (rorsnm in apeciminc. depauperato) 2—4-flora contracta; petalorum unguibus in tubum longum connais; stylis basi ima connalis; sepalis eglandulosis c basi ovala in cuapidem, capsulam duplo et ultra superantem contracta. — Crescit in Kurdisianiu; in flssuris rupium calcareorum montis Gara. — Habitus quodaminodo *Myssi orientalis**. Rami vniusti abbreviali denudati, cortice cinoteo suberoso puberulo vestilli. Ramuli floridi 3—4-pollicares. parco foliosi, Qoribus 3—4 intra folia suprema brevissime pedicollatis: capsula parva ovata ncuta. semiseptis margine glabris. — Color florum ignotus.

Series ** *DASYLIMM* Planch. — (Wlpr8. *Annal.* I. 95.)

79. *L. OLYMPICUM* Boiss. Diagn. pi. orient. I. 56. - Planch. I. c. 518. f. - Porenne suffruiculosuim humile: caudiculis ramosis, basi nudis; foliis parvis, cliiptico-lanccolatis aculis, obsolete uninerviis, parce et apresse hiraulia; caulibus foliosis brevibus simplicibus, breviter hirtellis; calycibus adpresso hirsntls, laciniis lanccolatis acuminntis glanduloso-ciliatis: corolla violascento calyce triple longioro. Boiss." - Crescit in

elsls Olympi Bithynici.

80. *L. HIRSOIUM* L. Spec. pi. 378. - Rchb. Ic. A. Germ. fig. 5166. - Planch. I. c. 518. f. - Perenne: caulibus pubo brevi crispula vel patente Indulia; foliis caulinis oblODgia vel

oblon^o-linoun)u<; 3—5-nn\iis stl| noihis mirgmc ghmlulifci is \M nudis c\mai
flouftne conloito torjnibosic i nnis fiuctifuis clon^Us scp »li» o\ato-lanceolalis
louge cuspiditis ndpn ssc MIOSIS capsuld o\ati acuminati longionbus Corolla cam
pmulata <aciulscpii!>

- > ir Of fol/is uirimjiio miffi> minus\p \l11 r sis
- \hat{p} folns ulimqⁿl ibiiusrulit an^u^t^{io}iibus tnnoiuis
- Y folds ((to onniibus (lluihusqut inatgmc r,hnduhl< ri-s

L \niil luum Doiss Dn^{nos} pi no\ onnu I pi<j % — ficscil i Nicaca K agru
Lidcasi p(i Iimpim msml - om nlilui in \sia minoi i S\na et provincus
f nucisius

M I MSfOSI M I Sp il 3M« — Rtl**ib** Jr II Gum h<? *5lf7 — Planch I c 519 + —
PiKiino pills ciisjulis v11 | i(< nlibus \uho con>- f(Ins I longis ACI (bloncru-hnceo-
I it/s 3—5 nuMib ulimqiK h\ ibmiiniliM \<1 | IJS f uu<< longis »<<|drsis, supcnonbus
Mornlibus scpnlisquf gl ridnloso-(ih iis r nn(i urns liuciltiis (Umum clorgaii[^]
pedicollis fiuctifoi is iih iioibus I Hid cnsis cti[^]ult loigiouhus sopalis lanccolaiis
birMter cu[^]pidniis pniussmu pilosulis opshum o\ itani ncurinatam j nulo supeian-
tibus COIOIQ cjnipinuhld tost i sublnplo bn \ioubti'. — Criscit in GaMia Itnlia su
periore (t Gennann inferiorn

×2 L PLBI SCI NSRussoll mss ex Phnch 1 c 519 f— Annum ciulihu<> Uiotibus he\i
>us sii|Ciri(combnso di\isis inlci foln dfnsi f iloriti pilo[^]uli* folus Uteinis, JD-
lumcdiis o*ilo oblon[^]is bisi obtusis nj in idjliusLiilis qumquenmiis piaetPi MI-
IOS mus suhmiiguualt s ^<1 in disco s| ir^rs ^1 ibics< < niibus supuims glanduloso-
rilnlis c>nni rompositic nmh -\| ic> <onf(mnoiis ^opalis c bnsi l mctolato-linear
in iiumui liiM.iu I nuiii), IHM subronimuuni ct miulto longius hoibaceum pro-
ductis pilosn-cili itis **siljf** ^hndulosis **intlir** ll» r\ **io** - ohlongis **bi[^]i** profunde emar-
r,imtjs st\lis ll muliun connitis o\nuo slipitilo ^ldbio

\w ,3 *Siltlmi>tanum* fiumilius folns c **lurhus** oblongis tnnmiis cor\mbi flon-
fon minis Inxionbus minus iimosis Ilaec \nriat cnulo giarili simplicis&imo 3—4-
pollican vi I ciulibus jlmibus o radico grtcili a[^]cendnlibiis inlermedio soplcmpolli-
enn pilis ilbis vol nmis passim nigusi cnlibus — / *pilifnm* Pi si H Sic p 171 —
I *Sibthmpianuin* Ucutir in Mem do Gr'n Mlf p ^S3 lib 3 —/ *drcdoiatum* Gn-
seb Spml n Hum I p 11? — / *hututumW* Giuc lib 302 (non I)

Gioscit forma t\piciiiiS\ ni | ropo \ltpnni Html ibano \n 3 InSuiln piopeKephaloi-
diminpascuis *triusitgionisco*\Unu — Hoihi pnhlis t IUIPS < coJlo r.nlicjs ^implicis 4
p quibus i feiili s in H qml< s* tin siciilcs slolomlormts loins nngusiioibus tecli Folia
mflim cilo collabonli i in^Duslt obo> tla oblus I bisi nlicnuata sfir) piucisenoli dispo[^]ua
medn (oi Imm kriilium) ovalo-oblongi \<l suboviii orecto-imbricaia cnuli scmiad-
pittjsi encittr pi **Ilcii** n s» mipollifpm I m bisi saopius oblique subamplialo et ibidem
obtusissinn \d suhr >id it i oinni i Miidii IK. i birra sublaotia pilis albis rans praesertim
\nsii<> miiLinrrn spiiis) (**urn** f njlis r< ntiili-,) qujnquirs \ SCXILS d tbotome divisa
run is irih IU nl us inflmo o\cc| to lion il m subsessili et ALISUS fuicationem folns
I ovills ^(<l blon[^]is ojpjsiUs \ol subcepositis msirutiis supnmib confcile c\moso-
flonferis Hoits subrsssiWs Sepal I **Imcii la** (cum cuspid* Insi conlinuo) 4—5 lm
longi bisi M\ lm I iti (i ibi pli\nio-innfi\n nems llbuli* cuspide basi tr plo et
ultra lontfioit jditissno viudi thndulis >2\jpiiti[^]> tilnlis pilisque piucis sporso
Petala calya plus duplo longioia

KI L C\KM LM \ si H,| FI Brasd mend I 133 — PJmclion 1 c 521 f— **Glabrum**
taule Insi sulTutiLoso folns opposite superlonbus pnutis aliernis ereciis «ubiubn-
citis hnceolnio-lincanhus. icutissimii basi obtu[^]ia glaucesceniibus pamcula sub-
coarctin pelilis cihre 3—5-plo longionbim — Cicscit in compis hnbosi< piov
Cioplantina in Rrisiln

‡ f *Specm non so/16 notat*

- 54 L riUlsERUUM Ruth No\ pi spec IH7 — Phnthon 1 t 321 f — Cahcibus obtusis tricosialis iipsulis feiohosis mutronaiis foliis illtmis lineonbus tncervus — taulis ICILS illifuimis Ime-uus ghlxi Folia alwina iimen densa crecta et quasi iinbncnti scholia limai! icumimli ml 9<IMMI Blabi I inntiMi t>craiunciain ten^a MX ultri sem lmcam laia fluialia in^iiti^s nn Pc UIRUII lerminalos allerni solifirn t>ubangulosi Uibg ^uhfoh J^I Floio j-,uii Lap&uh globosa glabia mucrona a mngniudine J <si mujjii
- 55 L P\LL\sj\MM It U SLII S\sl \(_o d \ 7o8 — IManchon 1 t 521 f — Caljtibus gliiluiubculi^ JLiitis in uDitit lacero ilbo folus lincaubu^!. aculis, cano-publscenlibus — Cirsicii in (lauuiuso lici'idt olico — / puliscens || illd herb — Radix lignos i multiet p> Folia radicals c\ii>piios»a oliUisu»tuh MX poliicnua Cmlis foliib Inplo Jongioi pubci>ccns tolia taulmi iadicaljbu;» sinnlia sed sum ma glabnusculti toiolhc cilvee tuplo majoiti

Species plane dulnae et obliuonc dtgnac

- L VERTICILL\TLM I — Fol u, \citicillalis — Boccon Mus Fl p 49 tab 42 — Bnnil icon Mb 1226
- L STRIATUM V\lt Car p 118 — Feic absquc dubio ex ordinc c\cludendum, an *Hypenemea*^1 (juiUanta' MX inquncndi dignum

III REWARDTI 1 Dumott

(Planchon m Wlprs Annal I 96 a in Hook Lond journ of bot VII 522)

Obs Chaiacter generis essentielle e sdPELLAIUM piacsenia et imprimis ex appendiculis extcrms (') pelaloium tx^truendum Has appon diculas supia }tipeiarn internds-di\i, quia lloics nullos perfectos exanni SUJJIICLIC Jicucial el m icone Roxburphiana mcdila doisum petali nulh nola ab ejus ficie distincm potutiam Hodic lanien lionbus *Ueinwurdtae trujt/nae* exannnalis apptnditulas lineaits in tei^o pelaloium silas, ut sane btalus Hovbur^hius desenpsit, Mdi

- 1 R TRICYSA Planchon in Hook Lond journ of bot MI ^22— Folus OMito-oblongis Integra majonbus opicem Aersus minulissime scrrulnlis glabris lionbus solitouis (vel pnucis umbellato - congos >) stlib tnbus a bobi liberib — Crescit in India orient — *Linum tngynum* Roxb Fl Ind 11 110 — Sims. Bot* Mag t 1100 — Frutex ciruter 2—3-pedalisj suberectus Snpulae mmulae Folia anstaio-miicronata Uaiucs pcaloruin in lubum conniventes versus apicem intus denuculis 2<ieclis aucli Filamentn e ba<i lala subulaia stcnlia setilormia Antherae sagutatac S\li stamimbus multo longiores Stigmata capiiala Capsuh globosi Piso majon acqualis scxloculons, (ie\era 3-loculaii» loculis incomplele bilocellatis) 6-\al\is Semina renifurmin
- 2 R RLPEIS Planchon 1 c 523 — Folus cynoalo-ovatis mucionulatis glabris crenulatis, flonbu* holararii peduntulosu, foliolis calycims lanceolntis niucronulotis, margine denucuatis caulo frutico&o lepente, sulis 3 cnuei ad medium connatis •— Benlh *L lepeni* et *L semilngynum* Hamill mss
p *Cicanobum* folus elliptico-oblongis. acuminaiis»^t.ciratis umbollis termmalibus MOiplicibus muliillons foliolis cahcims oblongis oculist caule liulicoso Don — *Linum Cicanoba* Himilt mss — *L tugynum* Smilb Exotic bot p 31 tab 17 — Crtscit in Napalia ad Narainhctu
- 3 R TETRAGYNA Planchon 1 x 523 — Glabra fruticosa ramosi loins elliptico-oblongis acununaiis scnatiss^ basi auenuaiit, pctiolntis flonbus capitato-cor^mbosis pedunculis biacitatis scpalis o\atis brcMtei acuminotis margine subcihatis peialis caljce duplo longionbus stjhs 4 libcus siigmaiibus globose capsulis obiusis — frescit in NQ-paha et ditione Silhel — *Lnium Utiagynum* toltb niss — Flotes flavi, ilhs *Rcinu trqymae* paulo minores

sect II *HUGOMEAF* Planch — 'Wlpi* Annal I 96/»

IV. (5404; HUOOHri\ L -)

(Planchon in Hook Lond Jouin of hot \II 324 — Wlprs Annal I. %)

- 1 II MYBTAY L Spec pi 954 — Wght Illusti t 32 — Planchon t c 524 — Rimuli* urns, pedicellis cal\cibusque dense lutescenli - pubescenlibu? \el subtomenosis folus lanceolatis |e| lanceolato-obo\atis basi acutis apice brevier acuminate glabnusculis reliculato-Nenosis stipulis subulate indm>is floubus ad apicem ramulorum paucis breviter pedicellaiis — Crescii in msula Z<ylania et in peninsula Ind oucnt — *JJuq uboiata* Hamilt in Transact Linn soc XI\ 205 tx W Q. Am
- 2 II SERRATV Lamk Diet HI 1*9 — Planchon 1 c 524 — llamuli* iifloicscontns biacleis caljibusque fenufrinto-scncf is folus oblon^is biCMUi acuinmatis vol obtusatis glanduloso- et obtuse sirralis glabuusculis Mjipulis subuhitis indimis cjmis piuciflons bracteolatis axillanbu* et terminalibus — Crescit m msula Mauriu in insula Rorboniae — *Hugoma Mystax* Ca\ Diss III p 177 tab Dg 1 - Cirri v<ildi semper oppositi
3. H TOMEMOSA Ca\ 1 c flg 2 — Planchon I c. 525 — Ramis folusque ulunque albido - tomentosii, his ohlongis, apice subrolundalis obsolete denialis stipulis o\alis 2—3-fldis c\mis in axillis foliorum supenorom peduuculali!» — Cicscit in m>ula Maurin
- 4 II AF/LLII R Di mss ex Plantbon 1 c 525 — Ramis lolusque subtus lomenlo denso cano-flavescente indutis, his ma^nis oblongis acutis rcpando- el remote crenalis vel subdenticulais stipulis pinnatipaititis lacinus siibulatis, cjrals 3—4-fions axillanbus Julio brevionbus llonbus bre\ssnne pedicellatis , cahcibus dense scuceis, corolla subduplo bievionbus stamimbuv exserus — Crescit in biena Leone, Afric occid trop — Folia majora 6—7 poll *longa* 2 — 1/a poll lata, omnia breviter et crasse petiolata. ngide chaitacea, crenis obsolete nuno obtusissimis, nuno muoronulatis, adulta praeter norvum medium supra glabraia, novella supra tomento detorsibili albido tecta Stamina 5. majora, stylos longe superantia
- 5 II FLRRUGLNKA W 8c Am Prodr I 72 — Planchon 1 c 525. — Folus oblongo-lanceolatis acuminate intcgmmis. demum supra glabratis, subius touaemo flavescenti-ftrrugineo nilentibus, orris oppositis

^ I *Gardneri* folus minutissime vel olwolete deoticulatis

Rami tcretes vel subcompressi, bine mda ramulosi vel indivisi, secus Longitudinem totam foligsi, Dovelli fei rugmeo - subsenceo - loraentosi, adulti inferne subglabrati Folia saepius interuodus cirri oppositi muHoiies longiora oblongo - lanceolate, bjevitei petiolata basi acutiuscula, apice breviter et acute cuspidatn, saepius inargme de^uculis lnutis hint inde auota nuno subintcgemma. novella supra tenuiter sencea, nervo medio tintum di^colon, nempe ftrrugineo-<:p]rndente, subtus tomento senceo persiatente adpiesso fenugmeo splendontia, adulta demum supia glabrata, 2—3 poll *Idnga*, 12—15 lin lata, nervis utnnque 7—12 in pagioa utnuque prommulis S(ipulae petiolis subduplo lon(iiores subulate in lacimas paucas flssae, sicut pedicelli et calyces feripupinio-sericeae Pedunculi in spccimine axillar<& solilaru 1—3-flon, fiuctifen 2—4 lin longi braciolis 4.—3 £>tipulis conlormibus caducis ornati, pedicelhs breMSSI-mis sub flore ai uculatis Petala oblongo-obo\ata, lacimas cal\cis o\alas superantia. apice eiosa Drupa glohosa obtuj>issima glabia, Pito paulo major, calyce longior 5-loculans Scnivaha (endocarpn) pjienae cujusvis a seimvalva adjaqente (ejuadein tarpelh) lacilhmc secedens, crustacca, exlus rugosa, intus laevis. sub apice, ubi funitulus columellae affixitur, leviter emnrgmaia (prorsus ut in *Lmo*) — In peninsula Indiae onentahs et in Zejlama

“) Cirros singulaies hujus generis inteiduin bracteolis minuiib donatos video, unde patet, eos esse pedunculos innoresceniiarum semper abortivarum

- o. H. PLANGI[^]NII-Hook. HL mss. ex Planchon 1. c. 526. — Hook. Niger Flora 325. tab. 27. — Ramis petiolisque ferrugineo-pubescentibus; foliis lauceolato-oblongis cuspidatis, utrinque acutis, remouiuscule serrulatis, glabris nitidis, rigide chartaceis, pulchre reticulato-venosis; stipulis bracteisque pinnaipartitis, laciniis subulatis; cymis axillaribus brevibus, 1—5-floris; slylis siaminibus longioribus. — Crescit in Africa occid. tropica, Sierra Leone. — Species distinctissima et pulcherrima, facie Smeaihmannias referens. Folia 3—5 poll, longa, 10—20 lin. lata. Cirri saepius alteroi vel subnulli.

V. DURANDEA Planch.

(Wlprs. Annal. I. 97. — Planchon in Hook. Lond. jour, of bot. VII. 527.)

Calyx 5-partitus, laciniis late ovatis obtusis, aestivatione quincunciali imbricatis. Petala quinque, calyce parum longiora, aestivatione convoluta. Stamina 10, filamentis basi in anulum confluentibus alternatim brevioribus; antheris parvis bilocularibus. Discus....? Ovarium ovatum quinqueloculare, loculis uniovulatis, ovulis anatropis, ex apice anguli interni suspensis. Styli 5 fere a basi distincti subulati. Fructus...? — Frutex Austro-Caledonicus glaberrimus, siccitate nigrescens, facies *Ixionanthis*. Folia alterna in petiolum attenuata oblonga, basi acuta, apice complicata subincurva abrupte breviterque acuminata, adpresse obtuseque serrata rigida fragilia nee crassa pennineruia reticulato-venosa; stipulae minutae dentiformes adpressae, lapsu praecoci cicatricem glanduliformem nudantes. Racemi ad apicem ramulorum 3 vel 4 approximati, vix ultra sesquipollicares simplices vel subdivisi; bractee lineares subulatae pedicellis vix $\frac{1}{2}$ lin. longis dimidio breviores; flores inaperti eos *Ardisiarum* quarundam simulantibus. — Dicitur memoriae beat. Abbatis Durand, Monspessulano, qui Floram Hispaniae australis et Mauritaniae summa sollertia exploravit.

1. *D. SERRATA Planchon 1. c. 528.— Crescit in Austro-Caledonia. — Folia circiter 2—2½ poll, longa. 14—18 lin. lata, basi acuta; petiolus gracilis, 3—4 lin. longus, supra brevior canaliculatus; racemi foliis breviores, rachis compresso-angulata, bina inde ramulos 2—9 breves exserens vel simplex; calycis lacinae obtusissimae valde imbricatae nigrescentes. marginibus pallidioribus subscariosae; petala in flore non plane evoluto calyce non duplo longiora crassiuscula, aicitate nigro-rubentia.

VI. ROCCHBRIA Planch.

(Wlprs. Annal. I. 97.)

1. R. SCHOMBURGKII Planchon in Hook. Lond. jour. of bot. VII. 526. — Ramulis rufo-velutinis; foliis lanceolatis cuspidatis acutis, supra nitidis glaberrimis, subtus praesertim secus costam medium pubescentibus; spicis compositis abbreviatis densis. Racemulibus petiolos breves 2—4-plo superantibus. — Crescit in Guiana Anglica. — Facies omnino *Rouchei-iae calophyllae*, a qua differt indumento ramulorum. foliis minoribus ($\frac{1}{2}$ — $\frac{2}{4}$ poU. longis. 3—10 lin. latis) et inflorescentibus superantibus. Flores in specimine desiderantur. sed in herb. Bentham observavit petala 5, aestivatione convolute, oblonga maculata oblique; stamina circiter 15 inaequalia, basi in tubum brevem circa ovarium connata; ovarium 3-loculare. loculis biovulatis? ovulis pendulis, stylos 3 distinctos.

VII. SARCOTHECA Blume.

(Blume, Mus. bot. Lugd. Batav. p. 241.)

Calyx ebracteolatus, pentaphyllus, persistens; foliolis inaequalibus, quincunciali - imbricatis. Petala 5, hypogyna oblonga unguiculata aequalia patentia, praefloratione imbricato-convoluta. Stamina 10, hypogyna, altera breviora; filamenta subulata, basi in urceolum con-

nati, antherae Inroi^u biloculaies subrotundae, dorso %fcumbentes per an'hcsm reihmhe lngitudinahter dehiscentes Ovarmm sessile ellipsoideum quinqueloculare Ovula in loculis gemma superposita ex •uigulo cenliali su«»pensa anatropa Styli 5 terminates fihformes, stigmata pirum dilatata subabhqua Capsula bacciformis globosa quinqueloculans, apice fissuns 5 septicide dehiscens Semma in loculis (quorum 3—4 plerumque faluis) solitana, testa conacea rugosa Lmbr>on in albumine cainoso suboliquum l^ersum, cotyledonibus foha- ceis o\dlibus, radícula brevi supera — Fruttx Aiclupelagi India ramulis quadrangulanbus, folns ulternis breviter potiolatis e basi sub coidata cllipticis acuminatis intepernmis couaceis glabns penninervns, subtus reticulatis racemis elongdtis ramosis a\illdnbus et terminahbu^ bolitarns v confcrtis, flonbus bieivissime pedicellatis paivis

1 • S MACROPHM I A Blume 1 < 242 no 521 f - Sumatra ft Borneo

Ordo XXVI. MALVACEAE Juss.

(DC Prodi 1 iE> — Wlpis Repeit I 290 II 788 \ 88 Annal I. 98 ft 999)

3270 ILTHiEA Lav

(/)(liodi I 43fi - Wlprs Rppeit I 291 II 788 Annal I 99)

- 1 \ (Kit) a i hum) I \\1FIOR\ . DC jun ex Schlcild Dot Zeitung- VI 341 — Pils stellatis IM cvihus schto hispida folns grosse dentatis mfeiiionbus corddtis late ovaus 5 lobib supcii nhus piufunde 5—3-(Idis btipulis lanceolalis acutis pedunculis 1 floris folio brevioubus — Flores quam \ cannabinae dupk> mojoies pnihde TOSGI — Habitat t
- 2 \ fikra) DIGITATA Doiss Diagnos plant orient nov VIII p 106 f — Caule elato otucto simplici indumento adpressissimo pills stellotis constanti aspero folns longe petiolutis fue ad basin usquo digitatim pat tills utunqu€ indumento brevi denso ve- Utino superne nilulo pilis simpheibus constanti inf«rne magis gnseo stellato obsitn 1 irUliombus oblongo-lanceolalis obLusis basi angustalii n regularanter lobulatis cir- (iimcnca obtuse crenulans margme subcnspis racemo terminali simplici laxo, mferne k Ins (lores superantibus stipato flonbus subsessilibus amplis involucello adresse <tel ito - tomentoso ultra medium in lobos acutissimos tngulares dmsio obsolete stuaio rjhci stelhto-tomentosi involucrum tertia parte superantis laciniis triangula- uhii^ arutis polalis intense purpureis obcordatis calyce tnplo longioribus, unguibuf ptnicillalo cili ilis — Crescit in collibus Palacsiiuae m provincia Samaria
- 3 V SLTOSV DoibS 1 t 107 -) — Cault claiio sincto simplici setis e tuberculo fascicu- latis dt/leim lyngi^ lu^pido intei eis glabro folns cordaio subrotundis magis mmusve obtuse J—7-lobi» ucuatib, pilis faciei supenons subbimplicibub nitidis adpressis infenoria fasciuhto stolhiis tomeniellis'saepe glabrescenlibus petiolis retrorsum & ^1 ii sun fibiicul ito - scto&is lacemo tcimmali clongato hto peduncubs solitarus >e' biniti iljMdo-Millosissinus mvoluctllo acquilongis involucello looge et dense stellato* iomento»o ultia medium in IOUOI. acutos Inanguhn hnccolatos diviso calyce vix bre* won caljcis stellato - tomentosi laciniis \i\ s nalis oblongo- triangulanbus obtusis petals inornate obcordatis cahec tiijlo longioribus ad ungues pemcillato-ciliatis — Ciescit in collibus Samanae et Gdlilaeae
- 4 A RrMOTIFLORA lioiss a Heidi 1 c 108 f — Porennis a basi muhicaulis, tota pilis stellatis dense pulverulento-scabnda caulrbus ascendentibus xenuibus, inferne foliobis in ricenibm lougum laxiflorum abeunubus, folu* flavo-vnentibus inferiorib^{us} longe ppnoJati* am him cordato- subrotundis pi ofuadussi/ne palnalira 5—7-lobifl ^{is}

oblongis vel oblongo-linearibus, basi subatenuatis, oblusissimis denticulatis, laterali-
bus brevioribus; foliis floralibus parvis, breviter petiolatis, fere ad basin tripartitis;
pedicellis solitariis brevissimis; involuelli sexlobi lobis triangularibus aculte calyceque
stellato-tomentosis; calycis involucello duplo longioris laciniis triangulari-lanceolatis
acutis obsolete multistriatis; peialis pallide roseis obcordatis, calyce plus duplo lon-
gioribus, ad unguem penicillato-ciliatis; carpellis puberulis, dorso sulcatis, utrinque
transverse sulcato-rugosis. — Crescit in cam pis mari finitimis versus fluvium Gatar-
rhaclum Pamphyliæ.

5. A. SULPHUREA Boiss. 8c Hohen. I. c. 108. — Perennis, a basi multicaulis, basi suf-
frutescens tola dense pannoso-lavescens: caulibus erectis, rigidis simplicibus vel parco
ramosis, inferne foliosis, superne in racemum brevium pauciorum laxum abeuntibus;
foliis crassis petiolo iis subaequilongis suffultis ovalis, obtuse crenulatis inlegris vel
obsoletissime repando-trilobis, inferioribus oblusis basi rotundatis, superioribus acutius-
culis, basi cuneatis, floralibus oblongis parvis; pedunculis solitariis involucello sub-
aequilongis tomentosissimis; involucello sexlobo calyceque striatis, dense et longe
tomentosis hoc vix longiori, laciniis utriusque triangulari-lanceolatis acutis; petalis
sulphureis calyce plus duplo longioribus, ad unguem ciliato-penicillatis; carpellis facie
interna subsulcatis, laterali profunde scrobiculato-rugosis, junioribus stellato-tomentosis.
— Crescit in radices montis Demawend loco Gerdene Kutschek dicto.

5271. HIALVA Linn.

(DC. Prodr. I. 430. — Wlprs. Repert. I. 292. II. 788. V. 88, Annal. I. 99. — A. Gray,
Plant, Fendler. 16. adn, Gbar. emendat.)

Involucellum triphyllum persistens. Pelala obcordato-biloba. Tubus
lamineus simplex, filamentis sigillatim exsertentibus. Styli filiformes
introrsum stigmatosi (lirreli). Ovulum in loculis solitarium peritropo-
ascendens. Capsula depressa polycocca, carpella rotundato-reniformia
v. cochleata, omnino mucosa, semini conformia indehiscencia ab axi
secedentia. Semen reniforme loculum implens. Embryo arcuatus v.
semicircularis, radícula infera. — Herbae gerontogae: floribus pur-
pureis, roseis v. albis.

- *M. BOREALIS Wallm. — Koch. Synops. fl. Germ. (ed.-1.) p. 130. — A. Gray, Plant.
Fendler. 15. no. 75. — *M. obtusa* Torr. et Gray. — Wlprs. Repert. I. 294. no. 22.
- M. OXYLOBA Boiss. Diagnos. plant. orient. nov. VIII. p. 109. — Annuum multicaulis:
caulibus diffusis ascendentibusve ramosis glabrisculis rubellis; foliis petiolo longo
parce hirsuto suffultis, amplexibus rotundis, basi sinu apertissimo cordatis profunde 3—5-
fidis, lobis cuneatis, superne dilatatis, profunde divisis in lacinias lanceolatas acutis-
simas inlegras vel trifidas, ad nervos glabris vel pilosis: floribus axillaribus 3—4
petiolo usaequilongis vel 2—3-plo longiori suffultis; petalis pallide roseis. calyce
sesquilongioribus cuneato-truncatis retusis; sepalis exterioribus linearisectacis bre-
vioribus, interioribus oblongis acuminatis reticulato-nervosis glabris, margine ciliatis:
fructus receptaculo centrali depressissimo; carpellis glabris, dorso intima scrobiculatis
transverse rugosis, margine acutis denticulatis, facie interna radiatim elevato-
rugulosis. — Habitat in Galilæa.
- M. WILLKOMMIANA Scheele, Linnaea XXI. 570. — Radix perennis ligiosa fusiformis.
Caulis prostratus ramosus stellato-pubescentes. Slipulae lanocolato-setacae inlegrae
pubescentes. Folia longe petiolata 5-loba dentato-crenata obtusa trinervi, basi in-
voluta. subtus stellato-pubescentia, supra glabrescens, lobi obtusi. Petioli folii lami-
nam superantes, pedunculo multo longiores. Pedunculi fasciculati erectiusculi flore
breviores. Involucrum foliolis 3 oblongis obtusiusculis stellato-pubescentia sepalis acuan-
tia. Sepala late ovata cuspidata stellato-pubescentia, margine ciliata. Petala purpu-
rascentia glabra anguste obovato-oblonga cuneata, apicem unguem barbata, apicem emargi-
nato-biloba, calyce duplo vel triplo. generis dimidio longiora. Carpella lomeniosa

emargata laevla Semma remformia glabia fmcn — *Malva Mauntiana*⁹ vai ' Willkomm' — Crescit in arena propo Malngam

5271,4. FL.EISCHERIA *Steud*

Sieud in I ohm Plant Preis* I 236 — Wlprs Reper V 110 — Steetz in Lehm Plant Preiss II 365)

Genus e\ ordme *Butlnenaceaiurn* ejiciendum et piopter antheras reniformes uniloculares *Malvaceis* adsenbendum, *Lawrenciae* Hook proximum nee diversum nisi calyce ebracteato patente subiotato, petalis unguiculatis, stigmalibus capituhformibus et habitu, a *Sida* uecedit calyce petaloideo patente petahsque calyce brevionbu"

1 *FL PIBENS Sieud — Wlprs 1 c no 1 — Steetz 1 c J66 f — In No\ a Hollands austro-orcidentali

5272 SPHAERAL.CEA *St MI*

^lahae sect 3 *Sphaeroma* DC Prodr I 435 — Wlprs Reper I. 296 II 789 Annal I 100)

1 SPH LINDHEIMERI Asa Gray. Boston Journ VI 162 f — Lanoso-tomentosa cauhbus decumbentibus, basi, ut Mdetui. suffruticosis ramis flondis assurgentibus folus cordalis saepius rotundatis grosse ticnatis indivisis pedunculis petiolo longionbus bracteis involucelli 3 j>etaceis, calçcis lobis cnato - lanceolatis acuminatis dimidio bre-\ionbu> coiolla rosci — Credit in republica Tixcnsi id Yictonam

6274 I R E M *Linn*

(D(Prodr I 441 — Wlprs Report 1 297 \ 89)

1 »L LOBATA Linn — DC I c no 1 — Wlprs 1 c \ »9 no 2 — W J Hookei. Niger Flora pog 226 — *U diversifolia* Schum tt Thonn — Wlprs Reper I 297. no 6 — *V urgata* Guill 8c Perr — Wlprs Reper I 297 no 7

a. Coult grist o pilis stellatis sparsis aspro folus mtegiis 3 — 5-lobis\o sub-tus pctioloque cano - punescentibus calyce hispido — Crescit in insula Fernando Po id flumini Nun el Quorm, in Siena Leone (ommums in India orientali et occidenlali

p. Folus supei pilis spirsis fulvi> obsitis subius cams \ix pilosis, cahec dense hispido lobib elongatis — Crescit ad flumen Nun

Y Undique pilis palntibus in cnule stellatis obsita caljrc dense hispido — frescit in Insula Fernando Po.

5 Folus profunde tulobis, lobo iniermedio linean-tlongalo, lateialibus oblongs >uba(Utis — Cicscit in Cipite Coa^t

e Folus minonbus Jhetidis pilis st>liatis paiulis pubescentibus rahce hirsuto — Cirscir in Senegambia

5275 PAVOIVIA *Cat*

(DC Prodi 1 442 — Wlprs Reper I 297 II 798 V 90. Annal I 100)

I P (*Typhalq*) SCHIMPERIANA Hochst mss ox A Rich Tent Hor Abvss. I 52 + — Caule erecto 3—4-pcdali, tereti villosa-tomentoso aut vix piloso folus distantibus. longe petiolatis, magnis palmato-5—7-fldis basi cordato-flssis lobis angulatis. acuminatis, grosse et distanter seiratis pubentibus aut MIOSIS praesertim subtua in neriis villosis Donbus magmtudine medus bieivissime pedunculatis, in axilla foliorum aggregatis involucln segmentis 10—12 lineanbus pilosis calycis campanulati vit 5-fldi IODIS semi-ellipticis icutib nnolucro MX brcMonbus sub-3-nervns pilosis carpellit 5 centro ionlitis inflatis subglabns aut hirti<, >onos<< appendicibus ^

retorsum echinatis tejninatis, raonospeimi», indehiscentibus — *P. tomentosa* Hochst mss. — Crescit in dislctu Aderbati provinciæ Agame in regno Tigroensi in Abyssinia

- 2 P REGNELCINA Miqu Linnaea XXII 551 f — Frutescens ramis deorsum glabris supra pubescentibus folus breviter petiolatis oblongo-ovatis acummalis grossiuscule inaequaliter dentato - serratis pellucido - punctatis supra verruculo9is et scabrmscule pubescentibus subtus infenonbus molthei tomentosis supenonbus puberulis stipule anguste hneanbus timenus puberulis petiolum superantibus pedunculis axillanbus el supernu racemoHa solitary A el gemims uni — vel biflons pubescenlibus, folio breuonbus m\olutri foliolis 5 lineanbus subtnnervus puberuli9 caljcis ultra medium qumquefdi lobis acummatis qumquenemis supra nervos pubescenlibus apiceque setulosis coccis quinque tnangulanbus, dorso rugosis tnneiuis tnaristatis neiv»> anstisquo retrorsum hispids — In Brasilia? prouincia Minas Gerafis
- 1 P FLAVISPIA Miqu I c f- Herbacea decumbens pauciramosa ratnuhs cito glabris, jumonbu* uno latere hntellis petiohs pubescenlibus folus niembranaceis pellucido - punciatis utnnque pilis stellaiis sessilibus inspersi*. oblongo - ellipticis aequilateris vel inacquibtns subacuminatis, jma basi mtegerriara obtusis vel acutis, caeterum deniato - serratis, stipulis line an - fliformibus petiolum fere acquantibus flonbus mllanbus solliarus, involucln foliolis 5 hneanbus calycem ad basin fere quinquepartitum aequanlibus coccis rugosis spinis 3 4avis retrorsum hispids — Crescit in Rrasihæ provincia Minas Gera&s
- 1 P (*Malache*) LASIOPETALA Scheele Linnaea XXI 470 f — Caulis fruticosus. a basi rarasus teres nmosus glaber albo - maculntus 2—3-pedalis. rami tomentosi, apice angulati Slipulae subulatae Folia cordaia obsolete tnloba maequaliter crenato-dentata obtusiuscula penmnervia, supra siellato - pubescentia obscura, subius tomentosa cinerascencia, pelioh angulali lamina brevioies, Pcdunculi axillares uniflon petiolo Ion-giores tomentosi angulali, apice ramulorum aggregati Involucln foliola 5 liaean-lanceolata mtogernma acua obscura stelhto - pubescentia sepala aequintia Sepala 5 ovata acuminata stellato-pubescentia, pctalis duplo minora qumquencvid. nervis 2 marginalibus mot cvamdis P eta la lilacina obovato - cuneata multisinata. apice totundata crenulata, supra glabra, subtus siellato-pubescentia gemtahbus longiora Stjh basi connati, stigmata capitnta Carpella quinque inflata obovato-subrotunda glabra obsolete reticulato-venosa bivalvia umloculana monospcrma Semina phoenicea remfoimia trigona pubescentia, dorso et latere utroquo longitudinaliter unisulcala — Habitat in republca Texensj prope Neu Braunfels
- ^ P (*Cancellana*) BLA^CHETIA^i Miqu Linnaea XXII 801 + — Suffrutitosa Mota pilli^ stellaiis biformibus, exihbus albidis ct foitionbus lutescentibus setulosisque seabriuscule hirtella folus (parvis) subdeltoideis aculiusculis, basi subcordatis, integris \el subtnlobis serrato - dentatis membranaceis 5—7-nervns, subtus sublucunosis. calycis eztenons phyllis circiter 26 fliformi - lineanbus sobplumoso ,stellato - hispids calycem inienorem herbaceum parcc pilosum dupfo superantibus. corolla cxtus puberula — Giescit in Brasiliae provincia Bahia
- b P HOSTMANNI Miqu 1 c 469 f — Ramis, petiohs pedunculisque na^icanti- hirtello-tomentosis stipulis illiformibus, folus brevissime pettolatis ellipticis vel ovato-oblongis aut infenonbus obovato - rotundatis, obtusis vel acutiusculis repando-denticulatis supra scabio-pubescentibus, subtus incano-tomentosis, flonbus axillanbus solliarus pedunculo petiolum superanie involucln phyllis 7 hneanbus hirtellis calycem dense hirtum aequantibus, corolla stellulato-puberula. gemtalibus inclusi^ — Crescit in Surinam
- 7 * P (*Lopimia*) VELUTINA St Hil — Wlprs Repert I 301 no J8 - *Lojnmta mala-rophylla* Lk. ft Otto — Hook Bot Mngaz nb 4365 - \An Houtte, Flore des serres IV tab 350.

5275*i* LEBRETOHTIA Schrank(DC Prodr I 446 — *Pavoniae* sect c Endl Gen pi — Wlprs Repeit I 301)

- 1 L GLCCHOMAEFOLIA A Rich Tent fl Abyss I 54 f— Caule lignoso tereti ramoso ramis gracilibus virgntm, junionbus tomentosis, folns longe petioIatitcordatis tenuimembranaceis acutis, grosse seiratis pihs rans stellatis conspersis, 7-nervns, seralauris acutis aut obtusis flonbus longe pedunculatis axillanbus, saepius solitary magmiudine modus, pedunculo versus partem-supeiiorem ariiculato tomentoso. Imolucn calyce fere duplo longions foliolis 5 elliptico-lanceolatis acutis villosis ciliatis, longiludinaliter et reticulato-venosis cnlycis campanulati 5-fldi tomentosi lobis semi-ovahbus acutis ciliatis, carpellis 5 demum solubilibus obovatis, basi interne subtriquetris glabnusculis erhinaus, indchiscentibus exappondiculatis — Crescit in regione niantfhia Choho dicta in Abjssima
- Z I ACLMINATA A Rich Tent fl Abyss I 53 t 13 +— Caule lignoso⁷ tereti viUoso. folns petiolatis ovaljbub oblongis acuminate bdsi coidatis, margine grosse mciso-seria<> pubendbus, subtus pallidionbus, in nei\is cilialis. flonbus axillanbus solitarus. longe pedunculatis, pudunculo petiolo longion, versus apicem arliculalo et hie dcciduo nudo, involucii lobis 4—5 cllipticis fohareis, caUcc longionbus aculis villosis. cal)Cs> 5-parliti lacinus o\ali-oblongis acuti* villosis, margme ciliatis, carpellis 5 di>finciis globosis, vonoso - reticulatis glabris tarinatis monospermis indehiscentibus. — Crescit circa Adoua in monto Selleuda, circa Axum et circa Tchelatckanne in Abjssima

5276. KOSTELETZKYA Prsl/)

(Wlprs Rcpert I 302 II 790 Annal. 1 100)

- 1 K PAMCULAT\ Bntli plant Harhveg 285 no 1593 — Sectionem no\am vel forte genus distinctum indicant characlenbus soquentibus ortbopetalum, ca\p quinquefidus involucello polyphylo nctiis. Pelala erecta convoluta non auncuaia Antherac seciis columnam numerosae Rami stigmatifert qumque. Capsula loculicide quinque>ahis. oculis monospermis Semma calva — Differt a *Pavonia* et *Malvavisco* stylo- rum numero, ob *Ihbisco* ovaru oculis uniovulatis, a *Kosteletzkyis* plensque petals oroctis convolulis Frutex esl ramis heibaceis tereubus, pihs rigidis stellatis birsutis- sunis Duo adsunt specimma Folium in altrro unicum (a basi rami sumplum?) quadripollicare, profunde palmato - quinquefldum, lobis ovato - lanceolatis medio pro- ductiore, in altero specimine folia ramealia late ovata angulato - tn — qumqueloba tn- pollicana, omnia petiolata deniaia, ba<i cordata, utnnque viudia, pilis rigidis in pagina Supeuore simplicibus, m inferiore sielLitis hispida Flores speciosi in paniculum ter- minalem aphyllam disposm Bractoe stipuhformes setaceae htspidae caducae. Pedi- celli in specimine primo Z—Z lin \el pauci 6 hn longi Involucelli foliola circa 10. setacea, 1—2 lin longa (alvx late campaaulatus, florens vir 4 ho . demum fere 6 Jin lougus, pube minuta lomenlellus, lobis ianceolato - tnangularibus aculis. Corolla pollicaris (i\is adpresso pilo^a Columna corolla fere duplo longior. Stamina supra medium columnae ii i egulantei disposita Capsula depressa, minute tomentella, ^ angulo^ eltvaiOb pilis paucis rigidis hispida In specimine secundo pedicelh longiores, calyces et coioliae majores, involucelli foliola 3 lin longa — Crescit Bolaños

5277 HIBISCUS Linn.

(DC Prodi I 44b — Wlprs Repeit. I 302 II 790 V 91, Annal I 100 ft 959 — *Abelmoschits* MEd — Wlpis Repert I 308 V. 92 — De char gener cf A Garcke. Dot. Ztng. VII 817 sq)

- 1 H *polythlacna hmtelzkyi*) TERMFLORIS Gaicl^e. Bot 7eit MI 833 f — Caule herbaceo ramo^o rami>, linea pubestenti a folio USQUP ad folium decurrenli noiaiv

*) Genus, ei *Augush Gtnclte* antenna (Rot 7eiliinq MI 820; iteium cum *Ihisco* ~~col~~ lungendum

praetercaque pilis longioribus sporsis vestitis; foliis cordato-ovatis acutis, inaequaliter dentatis, utrinque pilis strigosis et furcatis obsitis, petiolis lineo longitudinali dense pubescentibus; stipulis filiformibus pilosis; pedunculis plerumque ternatim dispositis tenuibus, folio brevioribus; involucri foliolis octo filiformibus pilosis, catyce usque ad basin fere quinquepartito paulo brevioribus; corolla calycem duplo vel triplo superante; capsula depressa parva pilosa, loculta monosperma; seminibus glabris. — In Africa orientali.

2. H. (*Pmlaspermum*) ADOENSIS Ilochsi. mss. in A. Rich. Tent. fl. Abyss. I. 54. f — Suffrutescens: caule linea pilorum unilateral! notato; foliis longe petiolatis ovali-subcordatis, apice acuminatis crenato-serratis, rarius margine subtrilobis, saepius 5-nerviis, porce pilosis, pilis (praesertim paginae inferioris) stellato-tripartitis; stipulis setaceis; floribus parvulis pedunculatis axillaribus fasciculatis, pedunculis gracilibus petiolo brevioribus; involucri segmentis lanceolato-linearibus hirsutis; calycis tunciniis ovali-lanceolatis ciliatis; capsula depressa pentagona hirsuta, angulis prominulis, setis rigidis hispidis, loculis monospermis; semine punctato-tuberculato. — Crescit circa Adoua et inter Mensah et Adoua in Abyssinia.
3. H. (*Keifaia*) MACRANTHUS Hochst. mss. ex A. Rich. I. c. 55. t. 14. f — Caule fruticoso hispido; foliis petiolatis ovali-acuminatis, basi cordatis, margine crenato-serratis, utrinque pilosiusculis pilis stellatis. subtus punctis depressis notatis, 2% uncias longis, sesquiunciam latis; floribus majusculis breviter pedunculatis. In axilla foliorum solitariis; involucri segmentis 5—7 anguste lanceolatis acutis, margine ciliatis striatis; calycis lobis oblongis, acuminatis, trinerviis, involucri paulo brevioribus; capsula globosa, pilis stellatis dense strigosa. — Crescit circa Memsah. in provincia Gbire, ad rivulos in provinibus Ouodgerate et Tcheikote in Abyssinia.
4. H. BERBEHIDIFOLIUS A. Rich. I. c. 56. f — Caule fruticoso aculeato. linea pilosa longitudinali notato, aculeis brevissimis basi latis; foliis petiolatis ellipticis acutis, margine serratis, praesertim apice pilosis, serraturis apice glandulosis; floribus majusculis in axilla foliorum solitariis, breviter pedunculatis; involucri segmentis 7 lanceolatis acutis, calyce paulo brevioribus; calycis lobis ovali-lanceolatis lanuginosis; capsula. . . . — Crescit prope Sankka in Abyssiniae provincia Hedjou.
5. H. MODATICUS Hochst. mss. ex A. Rich. I. c. + — Molliter velutinus: foliis longe petiolatis. basi cordatis palmato-subtrilobis, lobis acutis serratis, intermedio longiori acuminato, stipulis setaceis ciliatis; floribus axillaribus solitariis; involucri laciniis 6 lobaribus, calycem fere aequantibus; calycis laciniis semi-ellipticis acutis; capsula globosa velutina, apice acuminata; seminibus glabris numerosis. — Crescit in urabrosis ad montes regionis Modat in VIII B Aguar, in provincia Tigre Abyssiniae.
- « H. HARRISII Grcke. Bot. Zeit. VIII. 669. f — Caule arboreo: foliis petiolatis late ovatis, breviter acuminatis, integris vel trilobis glaberrimis; pedunculis axillaribus terminalibusque, apice articulatis glabris; involucri foliolis 8 lineari-lanceolatis, calyce parvulo brevioribus; calycis campanulati, usque ad tertiam tantum partem quinquepartiti laciniis triaocularibus; corolla exserta puberula, calycem triplo superante. tubo atamneo aequilonga. — Crescit. . . . ?
- « H. WCINOIDES Grcke. Bot. Zeit. VII. 884. + — Caule herbaceo piloso et cum petiolis linea aliena decurrente densius pubescente. cum petiolis pedunculisque aculeato; foliis longe petiolatis. profunde quinquepartitis, basi cordatis. laciniis lanceolatis inaequaliter serratis, utrinque pilis furcatis absitis, subtus nervia sparse aculeatis; stipulis parvis filiformibus ciliatis; pedunculis axillaribus terminalibusque solitariis unifloris pubescentibus; petiolo paulo longioribus. apice articulatis; involucri foliolis 8 lineari-^us, ciliatis. calyce quinquepartito ciliato dimidio brevioribus; floribus calycem duplo triplo excedentibus; capsula calyce breviori pilosa, valvulis alatis, apice breviter cuspidatis, loculis polyspermis; seminibus reniformibus fuscis, minute tuberculatis. — Crescit in Africa australi.
8. H. VITIPOLIUS Linn. — DC. Prodr. I. 450. no. 46. — Grcke. Bot. Ztg. VII. 836. f — Hook. fil. Niger Flora 227. — Caule herbaceo inermi vel aculeis paucis obsito; foliis ovato-cordatis acutis obtusisve, 3—5-lobatis, inaequaliter denudis creolisve septem-

- nerviis, supra glabrusculis A el \elutmis subius pillidionbu& tomentosis et pilis furcatis prunenlibus ob*itis» stipuhs lineanbus purvis pedunculis uniflons, petiolo paulo brevionbus pubescentibus supra basin articulatis, involucre 10—12-phyllo fohohs flhformibus, calyce dimidio brCvionbus cahcis usque ad medium quinquepartiti lacinus tnanffulaibus qumquenervhs pubescentibus. corolla expan«a calyceru tnplo excedente capsula calyce bre\iore dorso compressa, pentaptera pilosa, locuhs poh spernns aeimniluis tuberculous — Am it folioruni lobis obtusis crenntis — *H obtusifolius* Willd — 1/ stngosus Schum 8C Thonn — Wipi s Rept I 394 no 21 — Crescit in India orientali et Atnc a onentali
- 9 *H SIICROCARPUS* Gicke 1 cit 836 f — liirsutus caule suffruticoso ramoso, folus hnean-lancoolatis mtegria \c) um-tndentatis, broMter puiolalis, petiolis canahtulatis, stipulis lontanbus persislcptibus p<tiolium longitudine pedunculib rlongatis axillanbus sohlarns uniOons, folio at quilongis \tl broionbus apict ailitulalis et Intrassalis m\olucn foliulis H—10 lineanbus \cl liiicau -lantcolaiis, eal\u acquilongis, corolla taUccm aliquanlulum superante, capsula pana calyce obttlla subglobosa acuta, apite tantum hispida, loculis plciospenms scminibus jc iformibus pubescentibus — Crescit in Africa ausrali
- 10 *II OBTUSILOBUB* Greke 1 cit 837 f — Caulc bcibaceo. cum ramis, petiolis pt Uunculisqifi pilis slellatis scabrusculo folus petiolatis scmitnlobis lobis oblusishimib integns \cl repando-crenatis piacsertirn pagma inferIOIC pallidiore pilis slellati> appressis ob&uis, flonbus pam* axillanbus teiminalibusque \el ad apices nmoium pedunculis solitaiis vtl pltrumque sinuil cum brevi ramo folioso norigeio e folioium supcnorum axillis egieduntibus m\olucu fohohs b—10 lineanbus acutis, cuhce usque ad medium vtl infra quinquoparlito still ito-piloso dimidio bievionbus capsula ovata obtUita, pilis slngo&is adpres^is dense \estila, loculis pohspcimis, semiubus aogula-U, densissimc >in cosis — Crescit in Africa onentali
- 11 *II MACROCALX* Greke 1 cit 838 + — Caulc hctbaceo petiohsque tcrelibus glabrii \ei pilis slellatis sparse obsiis, foliis pcliolatis bipartitis \el summis lineanbus, fohohs (II) lincari-lanccolatis inaequalibus, une altero quadruplo breviorc, supra fere gliibns, sublus pilis slellaus vestitls, stipulis setaceis persisienlibus pedunculis elongatis, folio multo longionbus, apicc articulatis; in\olucn foliohs 7 hncan - setaceis, calyce plus duplo brevionbus cihatis, calyce usque ad basin qumquepartiti lacinus lanceolatis, longe acummatis apicc recurvatis cihatis floubus calycem viz superantibus, capsula oblonga glabra, cahce duplo breviorc, \alvuhs maigme paululum cihatis, semimbus pubcruhs — Crescit in Africa austrah
- U II RHABDOTOSPERMUS* Greke J cit 839 f — Caulc herbaceo subramoao velutinp, folus late o\aiis basi Integra ltviter cordatis, apicc acutis, margme dentato-serraus, utrinque puberuhs et pilis furcatis ohsitis, longe petiolatis, stipulis (1^l iformibus pubescentibus pedunculis axillanbus terminahbusque solitarus, geminis vel in ramulis folio brevionbus uniflons, medio articulatis, pubescentibus, calycis pilosi infra medium quinquepartiti laciniih tngulaubus acuminalis -corolla calycem superante, extus pubescentc capsula ovata acuminata, calvei acuilonga pilosa, loculis 4—6-spernis, semimbus angulatis. lincis parallelhs ele\atis tubercuhsque notatis — Crescit in Africa onentali
- 13 *H SPATIUL VILS* Greke I cit 810 f — Ilispidissunus folus bievjter petiolatis, c basi obsolete rordata late ovatis acutis angulatis, inaequaliler dentatis, pedunculis axillanbus solitarus umflons mvolucn fohohs 9 -spathulatis, apicc acutis, tnnorvu9. calyce dimidio fere bievionbus, calycis usque ad medium quinquepartiti mflati laciniis late o^ato-acutis quinquenervus, capsula pana, calyce obiecta subglobosi Uispidts-sima, loculis poljspernis, semimbus parvis puberuhs, placentis semiorbiculatis — Crescit in America austral/
- 14 *H VARIABILIS* Greke 1 cit 841 f — Caulc basi suffruticoso ramisquo pilis bre>i* bus tomentosis et pateniibus longis bispidis folus pohmoiphis. inttmis late ovotocordatis, modus e basi obsolete cordata utunqce bilobala longe acummatis, omnibus velutims et pagma inferiorc pilis tnfurcatis obsitis, obtuse crenntis pctiolatio **stipulis**

mniscus

- filiformibus pan is pubescentibus, pedunculis apice articulatis unilobis luscis, am solitans et petiolum superantibus, aut simul cum ramulo folioso flongerquo e folio-ium iKillis egredientibus Iniolucu foliolis 7—10 liliformibus, pilosis, calyce dense piloso usque ad medium quinquempartito duplo Ineuonbus coiolla cat)com plus duplo excedente capsula ovoidca, imprimis vaharum margibus longe pilosa, loculis polyspermis seminibus angulato-subremiformibus pilis brevissimis stellatis obtectis — Crescit in Africa orientali
- 15 II ARISTALVALVIS Gicke 1 i 849 f — Caulis lurbaceo. ramoso cum penolis, pedunculis cahiribusque pilis* sinclis pitcnlibu* tiihciculis* msidenlibus obsito, folus pcciolaii*. infononbu* pilm uo-quinquepartitiis supcionbus u ipii tii>, laciniis angustis lanceolatis integris petiolum acquantibus \cl supci uibut supra in ncivis lanium pilosis, sublus praeterea pilit Inluicatis obsili* slipulis pai\is sclaccis pedunculis axillanbus solilams umllous pcciole p mlo biCMOibus involucri foliolis 8—10 lineari-ribus hispidis, calyce ciliato profunde quinquepartito duplo fere brevioribus, corollae in calyce duplo inpleve excedente capsula globosa, calyce dimidio brevioris, valvi> longe cuspidatis, loculis bis — In spmms scniibus lemformibus nigns, pilis brevissimis nlbis obtectis — Crescit in Africa orientali
- 16 II UORBOMCUS Lnk — DC Piodr I 455 no 106 — Gike 1 c 850 + — Caulis fruticosus tereti pubescente folus pcciolati* ovalis ot integris vel cordatis et subinlobis, icuis brevissimis mucronatis, imequaliter crinaliter supra velutinis, subtus pallidis lomentosis, slipulis subulalis, fite aculciformibus, basi dilatatis, subglabris, pedunculis brevibus axillanbus icimianibusque solilams umflons, apice incrassatis, involucri foliolis 5 o basi late lineariter utrinque dilatatis, dein subito atCQuatis el longe subulalo acuminato tormentanlibut. ('), calycis profunde quinquepartito laciniis lunceolatis puerulis, involucrum acquantibus vel paulo brevioribus corolla ampla flava, capsula QTala acua pilosa, loculis polyspermis seminibus magnis remformibus, dense pubescentibus. — Crescit in Capita bonae spei et in insula Bourbon
- 17 H (7IIcanaj VARIANS Splitgibi mss e\ Vncse, ^edellalldsch kruidkund Archief I 338 no 983 f— Folus glabris, subrotundo-ovalis lobisve serratis pedunculis calycibus nuloccllisve seioso - aculeatis! foliolis nulocclli oculo, apice bifurcatis», caule herbaceo aculeato — Crescit in paupae in Siumam
- 18 H (*Abelmoschus*) PYRAMIDATUS Grekt liot Zitng \II 851 f — Caule herbaceo incrassato, sparse piloso folus basi irregulariter vel subcordatis novempalmato - partitis, novemnervus, lobis lanceolatis sonatis, baseo cetens multo brevioribus, utrinque sparse pilosis, pcciolis longis canaliculatis, stipulis setaceis caducis, pedunculis oxil-laiibus solitans uniflons, apice dilatatis inarticulatis puberulis, involucri foliolis 5 oblongo-ovatis acutis, in pinnis margine pilosis, calyce longitudinaliter rumpente ca- uuco, capsula pyramidata pilosa, loculis trispermis, seminibus magnis remformibus puberulis — Habitat . f
- 19 H. OBSCURUS A Rich Ternam flor Abjss I 5? — Caule herbaceo villosa, folis petiolatis subquinquelobis, lobis lateralibus obsoletis, bntis inciso-dentatis, intermedio longioribus, flonbus solitariis, longo pedunculatis axillanbus, involucri segmonibus linen- nbus, saepius 9—10 hullis ciliatisque calycis 5-fidi involucri longioribus lobis semio- vabua acutis subhispidis, capsula subglobosa pentagona villora parum depressa et c cen*ro apiculata 5-alata, carpellis polyspermis transverse reticulato-venosis senu- nibus glabris punctato - tuberculatis — Crescit circa Adoua in Abyssinia
- 20 H CORYMBOSUS Hochst mss ox A Rich 1 c 57 — Caule erecto bipodali subsim- plici pulverulento, superne aphyllo, folus petiolatis puberulis aspens digitalis, usque ad medium trilobis, folium inferius lobis semiovalibus obtusis subserratis-crena- tis, superioribus lobis lanceolatis subinlegnis, pagina inferiore palhdio, slipulis sela- ceis brevibus, flonbus luteis (magnum medus) pedunculatis, in pane caulis super- nio racemum simplicem, primum depresso-corymbosum tardius elongatum nudum cormantibus in involucri segmentis 8—10 linearibus subulatis distinctis, puberulis, ca- lici lobis oblongo - lanceolatis acutis glanduloso-puberulis, involucri triplo longiq- uum capsula ellipsonlon, apice acuminata, calyce longioribus puberulis

in suiuns cihata scmmibus numerosis glabns icnui-lubeiculalis — Cioscit prope Tche'latche'kanne' non procul a co^alle fluui Taccaze\ in legione media descendit a Sana \ersus Fen (fena in Abjssmia

- 21 II INTERMEDIUSA Rich 1 c 58 — Caulis lamoso pedalis et ultia, pilis aculeiformibus, vimplicibus aut sicllalis luspulo folus petiolalis, digilato-S-partitis puhcrulentis, in nervis hispidis, locinus lanceolatis nut lineanbus, obtusls aut acutis, grosse el distanxi snails aut Jntegns flonbus bolitarns axillanbus paivulis, pallide puipurcis. mvo-Uion scgmentis lineanbus hispido-cunitis, cahcis. sumqmnquefdi laciniib oblongo-lanceolata nculis 3-nor\iis>, m ncivis cunito- hispidis, capsula globosa, cahcoin paulo superanc, 5-angulau, npice longe acuminata in paito supenoii cnnita, semimbus mimorosis, pilis In cvissimis ngidis stellaiis micantibu* tectis — Ciescit m prouincia inter ilora inaiis Rubn et lcgionoin Aetliiopiam propno dictam in Abyssinia.
- U II IATROPIAEFOLIUS A Rich 1 * — Laule hiitu lubucuhlf -aculeato. folns lonpe j)diolalis J—5-pahnato-diss((Us 3—5-ncmi!> ba&i tordalo-fissis, lacinns lanicohtis acutis, maigmo giosst et dislanlci stnati», duabus mfeuoribus minimis ili<>iinclis"pilosis, stipulis lineaii-subulatis lurlis flonbus solitams longo pedunculatis, in ixilla loliorum supicinoium unolucn lacimis 9—10 lineanbus lurlis, fere caljcis lon,fiudinc, caljcis sogmenu? clliptico-oblongis acutis luitis. capsula globoso-de-)>rcssa. cahcc Aestita, 5-angulau, membranacca, \cnoso-teticulala, pilis tans conspcrsn, angulis ciliata d apicc appcndice conic o r3-angulari teiminata, semimbus rflnbus subluberculalib — Crescit cnca Adoibati in piOMncia Tigi6, et in piovincia C lui 6 in Abyssinia
- 21 II AftTICILATUS Horbst m<> ox A Rich 1 c 60 - Caulis pedalis aut sesquipedalis (li 11 a Itasi i a mo so teteti piloso, folns subglabiis poljmoiphis, infcnouibus submtegnis, mediib pciolaiis, sacpius digiiaio-tiipdiuis, lobis oblongo-lanceolatis aut angustolanceohtis atuiis subsemitis aut subintegrii, loins iiferionbus minoiibu? aut fere uannhs folus supuims subscsilibus, aliquandiu integriis, flonbus luteis axillanbus solitams longc pedunculatis, magmtudine modus, in\olucn scgmentis saepiusO sublincanbus Lilians ennuis, carets fore 5-paitiit lacinns oblongo-lanceolatis, acuUs, 3-neiMis. pulvciulentis, capsula oblongo-ovoidou, apicc MX acuminata, pulverulenta, in sutuns ciliata semimbus nuin&rosis lacMbus glabns — Crescit in pro>inciaTigr6. prope Tch^latche'kanne' et pi ope Gafia, in pro>incu Tigid Abyssimae
- ^4 II MARTIAMJS Zucc Del sem hort Monac 1848 p 4 adn. — Fiuticosus parrulus (orectus) iamuh. pedunculis et petiolis supra sulcatis, per pilos ramosos villosos-hjr-luhs, stipulis &bulatis patuhs. foil is, coidaloo-ibiculatis \el anlice Ieviter vnlobis rleniatis, supia pilis lamosis simpheibubque \illosulis, infra hutulis, pedunculis soli* tarns folia xcedentibus involucu 10—12-pbjlli foliolis lanceolalis acutis patulis, ac* pahs o^ato-lanceolalis acutis 5-nei\ns corolla (phoemcea) patente calycem paulo W ccdente, stylis 5 stamina supeiantibus capsula ovata pubenti-hntuJa, semimbus num^{er}osis Molaceo-fuscis MIOSUIS — In Mexico
- »J n LEPTOCALYX Sonder, Linnaea XXIII 17 f — Fiuticulosus caule debili W^{rel} lamoso, pihs longis bicMbusque siiphcibus lulescentibus hirsuto, folus petiolalis drk<*>gulari-bastalis \el subcoidatis remote obtuseque crenais adpressepilosis, peduocuti¹ a\illaribus solitams folia aequantibus, involucn 10*—11-phylli foliolis⁶ angustis⁶ lineanbus longe ciliatis, scpala ovala ncominata duplo superantibus capsula⁶ subglobosa⁶ ghbra lugulosa semimbus pubcrulis — Poit Natal
- »i II (*Ketmia** *Abelmoschus*^J ASPER Hook HI ^lge^ Floia pag 228. — Caule ^{erecto,} s>uperne angulato sulfruticoso tubeiculis minimis subaculeato, folus patentibus ^{longis} petiolatis, peuolo scabndo, palmatim scptempaititis, utiunque asperuhs, lobis ^{linearibus} acutis obtusisve integris \cl sinuato-dentatis, flonbu9 axillanbus solitams ^{breviter} imolucelli lacimis subuhlis, cahcem pilosum aequantibus, - ^{Statura} habitusque ^{habitusque} II cannabuu, MAIMJOT, cwto \ucmfolusque septemlobis. ^{Bores 1/4} unc uiam — Crescil in Sierra Leone
- »7 ^{INEENSIS} G Don, Gen syst of gard I 481 (nec DC) — Hook l. c. — herbaceo nermi piloso (pilis furcatis), folus sublonge petiolatis late rotundatis-

- oonlatis, superioribus tri-, caeteris quinquelobis obiuse sorraiiis, utrinquo sc̄i Miblus praecipue pilosis, lobis acutis acuminatisve; pedunculis brevibus clavatis axillaribus vel in incemum dispositi? hispido-pilosis; involucelli foliolis lineari-subulatis calycem capsulamque aequantibus; calycis segmentis appresse pilosis ovato-subulatis sinu obtuso; corolla ampin; capsula ovaio-globosa acuminata hispido-strigosa; seminibus angulatis vix tuberculatis. — Crescit in insula St. Thomas,
- £. If. (*Dombicella*) CRASSINERVIUS Hochst. mss. ex [A. Rich. Ten torn. flor. Abyss. 1. 61. f — Ferrugineo-iomeniosus: caule lignoso ramoso tereti; foliis petiolatis ovali-acutis aut elliptico-oblongis, basi truncato-subrotundis, utrinque tomentosus, sublu[^] pallidioribus, 3—5-nerviis, nervis prominulis. margine dentatis; stipulis sclaceis! floribus roscis parvulis pedunculatis axillaribus; involucri segmentis 9—10 dictmclis spatulato-oblongis sublanceolatis; calycis lobis lanceolatis, involucrum aequantibus. capsula globosa depresso venosa pilosa, calycem superante; seminibus numeros longissimo gossypinis, — Crescit in monte Scilleuda, prope Adoua et in multis alii* provinciis Tigris et Giliic partibus in Abyssinia.
- '-». II. GRANDIFOLIUS Hochst. mss. ex A. Rich. 1. c. Hi. f — Caule erecto tereti, bipedali et ultra, ramoso, vix pilis raris stellatis consperso; foliis longe petiolatis subcorilatis, apice acuminatis, acumine obtuso, margine dentatis, pilis stellatis raris inferius conspersis, basi 5-nerviis, nervis hirtis; stipulis linearibus acutis: floribus maximis solitariis, breviter pedunculatis; calyculi 5-phylli foliolis anguste lanceolate acutissimis, externe subtomentosis, calyce raulto longioribus; calycis quinquefolii erecti laciniis ovalibus acuminatis subuninerviis, in nervo medio externo tomentosus; capsula ovoidea, apice acuminata, dense tomentosa, calyce aequali nee longiori oblecta. — Crescit in praeruptis umbrosis et demissis montanis juxta fluvium Taccadz, infra Tchdlathe'kanne' in Abyssinia.
30. If. CALYCOSUS A. Rich. 1. c. 62. f tab. 14. — Caule tereti ramoso subpiloso: foliis longe petiolatis magnis suborbicularibus, apice obsolete trilobis, margine serratis, membranaccis, praesertim in nervis pilosis, 4—5 uncias latis, et aequilongis; floribus solitariis axillaribus; pedunculis inferiorum 2—3 uncias longis et versus caulis apicem longitudine decrescentibus; involucri lobis 5, basi inter se confluentibus lanceolatis acutissimis membranaccis venosis, externe hirtis; calycis 5-partiti segmentis foliaceis unguiculis ovalibus acutis 5-nerviis villosis; capsula ovoidea acuminata subglabra 10-nerviis; seminibus numerosis villosis, basi quasi barbatis. — Crescit in provincia Chin* Abyssinae.
31. H. CUNEIFOLIUS Grckc. Dot. Zcit. VII. 852. f — Caule suffruticoso ramoso glabro; foliis coriaceis obovatis vel superioribus tripartitis, lobo terminali caeteris longioribus, omnibus acute serratis, serraturis extrorsum versis, basi integris et in petiolum breviora cuneato-attonuatis, utrinquo pilis stellatis sparse obsitis; stipulis parvis setaceis. pedunculis crassiusculis axillaribus solitariis unguiculis. apice articulatis, foliis aequalibus, pilis stellatis minutis vestitis; involucelli foliolis 7—8 linearibus, laciniis calycinis ovato-acutis, densius minute stellatis pilosis dimidio brevioribus; capsula subglobosa glabra, vulgum margine ciliatis; seminibus gossypinis. — Crescit in Africa australi.
32. H. BREVIPES Grcke., 1. cit. 853. f — Exceptis genitalibus omnes partes pilis stellatis minutis scaberrimae; caule ramoso fruticoso; foliis breviter petiolatis ovatis vel rhombo-ovatis. excepta basi inaequaliter serratis quinquenerviis: stipulis setaceis caducis; pedunculis axillaribus crassiusculis brevissimis unifloris. petiolo vix longioribus. involucri foliolis 9 setaceis, calyci parvo aequalibus vel paulo brevioribus; corolla extus pilis stellatis obsita, calycem duplo superante; columna staminifera corollam aquante, apice stylis 5 distinctis terminante (?) — Crescit in Africa orientali.
33. H. FUSCUS Grcke. I. cit. 854. + — Caule fruticoso ramoso, imprimis apicem versus pilis stellatis longiortulis fuscis, tuberculo insidentibus dense obsito; foliis breviter petiolatis ovatis serratis, utrinquo pilis stellatis et simplicibus scaberrimis, nervis quinque subtus prominentibus, medio uniglanduloso: stipulis sclaceis, petiolo pilis stellatis fuscis brevioribus. pedunculis brevibus subuninerviis, apice articulatis et

- jnciu<aiid i ilosi> cihcc jiofundo quinquepaiuto fu^ce j ilo&o hreuonbus, corolh Ktus stellalo - pilosa caljccm piulo supoi into columni stanuniftra apicc stalls 5 distinctis terminante (?) coiollam excedenlc — (ic^at m Afuca austtali
- Jj II POFPPIGII Greke Jhisbr dos mliuw \< icmc-* zu Ihllo 1850 p 133 — *Achama Potppuju* Spi S\st \cgct III 100 - *Hii i cu iuncaUii* \ Rich — Wlpis Repcil I 305 no 3H
- J) MI PHOI MCI US Jcq Hoit Sihocnbi III 11 lib I —DC 1 c 452 no 76 — Grtkc 1 c 137 f — *II umlateial* s fa\ Di^s III 158 lib b8 fig V c — DC 1 c no 78 —
- J6 If friionifitj FFROX Flock Hot M-\g nb 4401 f — \ in Houltto, Florc des series IV tab 100 — Subarborcus supeme subnmosu^ nculcohtus folus pctiolatis ampli>> nilidis oibicuhn-coidatis 5—7 lolntis subtus pi ictipuc villo^is lobis atutis mciso-pimilo^>o-donniis stipulis coid ito itumiinlis hrrbucis npjics>>is pedunculis axilla-ubiii (< niinilis unfluii^1) iinolucn pluitii lulni-s hncoohtis >>ub-10 cal\cc clongato till uloso i Giitsgono lii^pulissun > ij ice 5 h bo dcnium fi uctjfcio mllalo corolhe (lutcac) pctalis spaihuhlis s] nalitci toiUs stigm ui cxstilo nn_fno 5-lobo ->» Habitat m Nova (jianadi

+ **Sectionis diiblae.**

- 37 II CHENATLS Splitgibi m^ cv Nncse ^cdeiland^cli kiuidkundig Aichief 1 pag 33b f — Stellato-pilosus folus cordaiis acuminati> crennio-dcniatii pedicellis longissimis uniflons mvolucio deopbvlllo foliolii spalbulatis — Citscit propa Puia-niaubo
- iS II STLRTII Hook in Mitchell Touinal or tiopicM Australia pag 363 adnot — Suf-fiuticosus ubiqnc, subtus piactipix d_{pn}be sicllatun tomenio^us folus petjolatii oblongu o\itis (lli\iicis< ohtusis giosst cionato-sciratis pedunculis axillanbus unillous solilims folio buvionbui in^olucro monophjlllo turbinato 6—8 lido, cilycim quiMqurflduin atqmic capsuhs hispidiisimis — Ciescit in Australia onentali tropio

f f ICOD addenda.

- II (.ROSSLLARIAEroi IUS Miq — (Wlprs Repert V 92 no 7 fit Annal I 101) — Mon en Ann dc la soc d hoi lit dc Gand IV 11 tab 17^

5277½ ASTROCHI,AE]¥A *GrcU*

(Greke Dot Zcit VIII 666)

Involucium 7—9-phyllum, fohohs distinctis Calyx quinquefidus, ki(inns aestivatione Aal\atis Coiollae pclala 5 hjpogyna, unguibus imo lubo sliminco adnata, acstnatione convolutiva Tubus stammeus brevis toluimicioimim, pctahs p<mllo breMoi, infra apiccm nudum filamenta (opjoba LASucns, nnlhciae icniformes unilocilares bivalves Ovarmm m bsile quinqueloculaiL Sulus leimmahb apicc e\serte decemfidus, sdgmaU capitcllala (apsula ?lobosa quinqueloculans, locuhcide etsep-Utidc decennahis. Scmina m loculis sohtana ascendentia tnquetroi cnifoi nua 1 esla ci ustacca, sinu umbihcata Embi j o mti a albumen parcum Jiucilaginosura homoliope arcuatus, coUledonibiis iohaceis, sesephcato-involventibus, radricula mlcia

- 1 A CUSPIDAfA Gicke 1 c 668 f — Caulc hrbaccT) cum potiohs pedunculisque pa* ttntim pilosis folus cordalo - ovaus Jongo cuspidatis, margmc excepta cusptide producta serratis ppaeberiim subtus pubcscentibus pedunculis axillanbus lermimlibus-quo solitams vel genums pctiolum mullo excedentibus infia apicem articulatis mvolucelli foliohs 7—9 biiblineQiibus basi apicccque ingustionbus nilosis cahcem duplo superintibus cilycis hcirms enpsuhm -.lobo<im -.hbiiu tuhm pnulo (\iodentibus — < ic>>cit in **Pturu**

5263. PAKITIUM *St. Hil.*

(Wlprs. Report. I. 311.)

1. *P. QUINQUELOBUM* Hook. M. Niger Flora p. 227. + — Ramis puberulis. petiolis elongatis pubescentibus; pedunculis foliisque super punctis minimis asperis; foliis latecordato-rotundalis eoriaccis tricuspidatis? vel dense trilobis suberoso-dentatis*, supra puberulis, subtus ad nervos stellatis pilosis; loricibus in racemum subspicatum axillarem folio acquilongum dispositis; involucelli foliolis calyce brevioribus; calyce capsulam vix superante. — Rainuli ultimi herbucci tercies, crassitie pennae anserinae striati, pube sparsa simpliciter sicillata. Folia 5 unc. longa, 7 lata, basi profunde cordata, sinu into vel contrario. Pedunculus axillaris stricius, 9 unc. longus, basi nudus. superne rimosus, ramis abbreviatis. Pedicelli brevissimi, 2 lin. longi, basi bracteolati. bracteolis nunc foliaceis. Calyx 5 lin. longus cano-pubescentis, involucelli foliolis subulatis. — *Hibiscus quinquelobus* G. Don. — *Abelmoschus quinquelobus* Wlprs. Report. I. 310. no. 24. — Crescit in Sierra Leone.

5285/., § TUBTI% *B. Bi:*

(Il. Dr. in Siurt, Idxpcd. Ccny. Austral. II. App. p. 68.)

Involutum triphyllum integerrimum. Calyx 5-dentatus, sinibus rotundalis. Petala cuneato-oboala, basi inaequilatera. Columnae staminum polyandra. • Ovaria 5, polysperma. Styli cohaerentes. Stigmata distincta linearia. Pericarpia .. ? Semina .. V — Suffrutex organalis glaber: foliis petiolatis obovatis integerrimis; loricibus pedunculatis solitariis.

1. *ST. GOSSYPIUM* R. Br. 1. c. f — Folia ramorum alterna, diametro uncia, trinervia, petiolo folium subacquantia, basi in stipulam subscariosam adnatam dilatata. Pedunculi vel pediculi rami floriferi suboppositifolii nec vere axillares uniflori. juxta apicem folio nudo petiolato stipulis 2 distinctis stipato instructi. Involucrum foliaceum vonosum, foliolis distinctis, cordatis, punctis nigricantibus glandulosis conspersis. Calyx dentibus acutis, sinibus rotundatis. Petala sesquipollichria, uti calycis tubus glanduloso-punctata, glandulis nigricantibus semi-innatis, purpurea, basibus airo-purpureis, margine barbatis. Columna staminum c basi nuda, super ad apicem usque antherifera, antheris rotiformibus, loculis apice confluentibus. Pollea hispidum. — Habitat in Nova Hollandia tropica centrali.

5286. GOSSYPIUM *Linn.*

(DC. Prodr. I. 456. — Wlprs. Report. I. 312. II. 791. V. 93.)

1. *G. PUBESCENS* Splitgrbr. mss. ex Yriese, Nederlandsch knoekkundig Archief I. pag. 334. f — Pubescens: foliis quinquelobis lanceolatis, apiculatis integerrimis, subtus irregularibus glandulosis involucellis apice 3-5-dentatis — Colitur in hortis Surinamensibus.
2. " *G. BARBADENSE* L. — DC. 1. 458. no. 10. — Hook. fil. Nig. Flora p. 229. — *Gossypium punctatum* Sebum. & Thonni. — Wlprs. Report. I. 312. no. 4. - *G. prostratum* Schum. ft Thonn. - Wlprs. I. c. 312. no. 5.
- P. hirtum*: ramis molliter patenter pilosis; seminibus oblongis fuscicostatis glaberrimis, ubique v. basi gossypinis, gossypio utro. — Serra Leone.

5288A. CAIKIKCOB *ISutt.*

(Nun. Journ. acad. Philad. II. 181. — A. Geoy, Plant., Feodler. p. 16. adnot.)

Involutum nullum* v. 1-3-ply WHm persistens. Petala cuneiformia truncata, apice saepe eroso-denticulate. Tubus stamineus, styli et oboala ut in Malva. Carpella plurima in rostrum nudum breve crassin plus minusve rectum v. incurvum desinentia clausa, nunc tarde desiccantia, intus processu ligulaeformi dorsali infra rostrum camera

aucta. Semen subreniforme. Embryo arcuatus, radícula infera. — Herbae Boreali-Americanae perennes humiles.

§. 1. *Malvoideae*: Involucellum ad basin calycis triphyllum. Carpella suborbiculata, rostro et processu interno parvo inconspicuo.

1. ⁴C. TRIANGULATA A. Gray I. c. adn. — *Malva triangulata* Leatenw. in Sill'ra. Journ. VII. 62. — *Malva Houghtonii* TOIT. & Gr. — Wlprs. Repert. I. 294. no. 31. — *Xuttal-Ua Iriangulata* Hook. Journ. of bot. I. 197. — *Xuttallia cordifolia* Nutt. Journ. acad. Philari. VII. 98. — *Nuttallia conlata* Lindl. Bot. Regist. t. 1938. — A. Gray, Jll. pen. II. Am. bor. II. t. 218.
2. C. INVOLUCRATA A. Gray I. I. ft III. gen. fl. Am. bor. II. t. 217. — Caulibus c radice nupiformi longe procumbentibus, pilis patentibus hirsutis; foliis pedalo-quinquepartitis. circumscriptione rotundatis. segmentis cuneatis inciso-3—5-fidis. lobis dentibusque foliorum infimorum obtusis, superiorum lanceolatis acutis; stipulis ovatis majusculis; pedunculis axillaribus solitariis unifloris, folio longioribus, involucelli phyllis lanceolatis attenuato-acuminatis dimidio brevioribus; carpellis circiter 20 rotundatis undique rugoso-reticulatis, apice incurvo complanato brevissime rostellatis, omnino clausis. — *Malva involucrata* TOIT. ft Gr. Fl. N. Am. I. 226. — Texas,

§. 2. *Eucallirhoe*s: Involucellum triphyllum v. 3—1-phyllum saepeque a flore remotum. Carpella rostro subuncinato viridi atque processu interno conspicuo donata. Pedunculi uniflori apicem versus saepe articulati.

Involucellum i—S-phyllum.

3. ¹C. PAP AVER A. Gray I. c. 17. adn. — *Malva Papaver* Cav. — DC. Prodr. I. 431. no. 23. — Wlprs. Repert. I. 292. no. 6.

** *Involucellum nullum.*

4. ^{*}C. DIGITATA Gray I. c. — *Malva digitata* Torr. ft Gr. — Wlprs. Repert. I. 292. no. 7.
3. ["]C. PEDATA A. Gray I. c. adn. ft III. gen. pi. Am. bor. II. tab. 2f8. — *Malva pedata* A. Torr. ft Gr. — Wlprs. Repert. I. c. I. 292. no. 3. (excl. P-)
6. C. MACRORRHIZA Gray I. c. 18. adn. — Caulibus strigosis humilibus e radice nupiformi; foliis radicalibus oblongo-cordatis, primariis crenatis integris, aequantibus hastato-lobatis varie incis. caulinis pedato-3—5-partitis. segmento intermedio majore 3—7-fido laciniato; pedunculis corymbosis folio saepe brevioribus; floribus parvulis albidis; calycis strigosilaciniis ovato-lanceolatis; carpellis rugosissimis. — *Miffliva pedata* ^ *umbellata* Torr. ft Gr. — Wlprs. Repert. I. 292. no. 3. — In America boreali („plains of The Platte").
7. ^{*}C. ALCEOIDES A. Gray I. cit. adnot. — *Sida alceoides* Michx. — DC. Prodr. I. 474. no. 193.

5288¹/₂. СИ»АѢИСКА A. Gray.

(A. Gray, Plant. Fendler. p. 18. adn.)

Calyx involucello nullo, nudus. Petala integra v. obcordata. Tubus stamineus apice duplex, nempe in phalanges 5 exteriores pluriantheriferas, petalis oppositas et circiter 10 interiores v. filamenta subindefinita per paria coalita solutus. Styli 5—9 introrsum stigmatosi. Ovulum in loculis solitarium peritropo-ascendens. Capsula 5—9-cocca, carpellis membranaceis reniformibus muticis v. apiculatis solubilibus, intus laevialione apertis. Semen ascendens, embryo arcuatus et radícula infera, ut in Malva. — Herbae Americae boreali-occidentalis: foliis plerisque palmatifidis, radicalibus integriusculis; floribus roseo-purpureis v. albis racemosis.

§. 1. Phalanges staminum exteriores latae membranaceae integerrae truncatae 5—8-antheriferae, interiores terminales 10 saepius biantheriferae, filamentis fere ad apicem coalitis.

1. 'S. DIPLOSCYPHA A. Gray 1. c. adn. ft III. gen. pi. Am. bor. II. t. 222. — *Sida diploscypha* Torr. Oc Gr. — Wlprs. Report. I. 316. no. 36.
2. 'S. CALIFORNIA A. Gray I. c* adn. — *Sida California* Nutt. — Wlprs. Report. 1. c. I. 316. no. 34.
3. *S. DELPHINIFOLIA A. Gray 1. c. adn. — *Sida delphiniifolia* Nutt. — Wlprs. 1. c. 1.316. no. 39.

§. 2. Phalanges cxleriores saepe bifidae, in filam'enta 4—6 usque ad medium v. profundius fissae, interiores e filaments subindefinitis inferne binatim connatis.

Annua vuuaflora.

4. S. HART WE GI A. Gray 1. c. 20. adn. — Caulc tenello subsimplici, apico 2—4-floro, inferne foliisque parvis 5-partitis glabratiss, segmentis superiorum linearibus integris, imorum spathulatis, apice interdum bilobis; bracteis minimis; calycis breviter pedicellati tomentosuli laciniis triangulari-lanceolatis acumioatis; corolla lilacina. — In California.

" *Perennes, flores mrgato-racemosi.*

3. S. HUMILIS A. Gray I. c. adn. — Undique bispido-hirsuta: caulibus e radice lube-rosa ascendentibus simplicibus (6—12-uncialibus); foliis radicalibus rotundis, aino apertis aut subtruncatis, inciso-crenatis indivisis sublobatisve, caulinis 2—4-nis 5—7-partitis, segmentis apice irilobatis obtusis; racemo brevi 9—15-floro basi foliato; calycibus pedicello longioribus, laciniis lanceolatis acuminatis; corolla roseo-purpurea. — *Sida malvaeflora* Hook, ft Am. Bot. Beech. voy. 326. (an DC?)
p. *humilior*: foliis Omnibus indivisis seu vix lobatis rotundato - reniformibus, basi plus minusve truncatis. — In "California.
6. *S OREGANA A. Gray 1. c. adn. — *Sida Orcgana* Nutt. — Wlprs. Report. 1.316.no.35. — *KuUalUa malvaeflora* Fisch. ft Mey. — *Sida malvaeflora* Lindl. Bot. Rcgist. tab. 1036. (vix DC.)
7. S. FLEO-MEXICAN A. Asa Gray 1. c. 23. no. 79. f — Caulc vrgato gracili, superne glabro, inferne cum petiolis foliisque sparsim hirtellis; foliis radicalibus orbiculatis sfau apertis leviter 5—9-lobatis vel inciso-crenalis, primariis basi subtruncatis, caulinis inflmis profunde 7—9-tidis. superioribus 5-3-i#titis, segmentis trilobatis, apice dentatis, supremorum linearibus integerrimis; racemo multifloro; pedicellis strictis calyce hirsuto duplo longioribus; corolla lilacina; coccis laevissimis angulo interno mucronato - apiculatis. — Crescit in Nova Mexico.
- o. S. CANDIDA A. Asa Gray 1. c. 24. no. 80. f — Caulc folioso, inferne petiolisque parvis **hirtellis**; foliis inferioribus e radicalibus orbiculatis sinu clausis semptemlobatis laevibus ciliolatis, lobis cuneato-rotundatis grosse 3-5-crenatis incisive. supremis 7-(floralibus 3—5-) partitis. segmentis lanceolatis integris; stipulis ovalibus; racemo brevi compacto glanduloso-tomentoso; pedicellis brevissimis; calycis tomentosi laciniis JvaiU obtusiusculis; corolla alba; coccis laevibus glabris angulo interno apiculo pu-owcnie mucronatis. — In Nova Mexico.

5288/., 1VAPASSA *Clayl.*

(A. Gray, Plant. Fendler. p. 20. adn.)

' Flores dioici. Involucellum nullum. Tubus stamincus simplicissimus, in stamina 15—20 uniseriata solutus. Caetera omnia Malvae. — Hue Pertinent Sidae species no. 88. ft 89. in DC. Prodr. I. 466. enumeratae.

5288/4. WUUUyASTSLVM A. Gray.

(M Gray, Plant. Fendler. p. 21. adn.)

Calyx nudus, seu bracteolis 1—} setaceis caducis, raro involucello
Phyllo persistente atipalus. Stigmata terminalia rapitellata. Tubus

stamineus simplex, ovulum peritropo-a9cendens, embryo semicircularis atque radícula. inlra Malvae. CarpellJa mutica vel rostrata. — Herbae Americanae: floribus coccineis, aurantiacis ^ureisve axillaribus, raro racemosis.

S. 1. Flores miniati. Involucellum millum, vel parvum, c bracteolis 1—2, rarius 3, setaceis plerumque caducis. Carpella mutica.— Herbae stellato-incanae, perennes.

1. M. COCCINEUM A. Gray 1. c. 24. no. 81. 82. & 111. gen. Am. t. 219. f - Humile incanum: caulibus e basi sublignosa ramosis diffusis; foliis triscclis tripartitisv'e, seg-raentis lateralibus saepius bipariitis, intermedio trifido, *lobis oblongis lineonbusve integris seu paucidentatis; floribus inferioribus solitariis rariusve geininis in axillis foliorum, superioribus iu racemum strictum digestis; bracteis subulatis dociduis; bracteolis inyolucelli 1—2 setaceis fugacibus; coccis 9—12 clausis, dorso subtuberculatis cano-tomentosis. — *Cristaria cocanca* Prsb. Fl. Am. sept. II. 453. — *Malva coccinea* Nutt. Gen. pi. II. 81. — Dot. Mag. t. 1543. — *Sida coccinea* DC. Prodr. I. 465.

& *dissectum*: nanura; foliis 3—5-par this, segmentis 3—5-fldis lobisque angusie linearibus. — *Sida dissecta* Nutt. — Wlpft. Report. I. 316. no. 3ft — Crescit in Nova Mexico.

2. M. PEDATIFIDUM Asa Gray, Dpst. journ. of nat. hist. VI. 160. adnot. f — Caulibus e radice perenni dffusis gracilibus ramosis; foliis tri par tin's profunde trifidisve pilis stellatis parce hirsulis, segmontis lateralibus bifldis, terminali subtrilobo, omnibus subpinnatifido-incisis. lobulis dentibusve patentibus; stipulis subulatis; floribus sparsis axillaribus ct secus ramulos laxe racemosis; bracteolis 3 setaceis calyce subduplo hrevioribus; cnrpellis muticis, rosro brevi complanalo membranacco inflexis. — Crescit in Texas ad flumen Hio Grande.

3. *M. GROSSULARIAEFOLIUM Asa Gray Plant. Fcndler. p. 21. adn. — *Sida gromlariaefolia* Hook. — Wlprs. Repert. I. 316. no. 37. — *Malva Creeana* Grab.

4. *M. MUNROANUM Asa Gray 1. c. adnot. — *Malva Munroana* Dougl — Wlprs. Repert. I. 294. no. 24. ft V. 89. — *M. fasciculaia* Nutt. — frlprs. Repert. 1. c. no. 23. a Hi. Emend.

& M. FREMONTII Torr. uiss. cx»A. Gray 1. c. adn. f — Lana alba dense implexa undique tomentissimum: foliis rotundatis, basi truncatis cronatis subirilobis breviter petur-latis: floribus in axillis glomoratis subscsilibus; bracteolis involucelli 3 setaceis, calyce lanatissimo hrevioribus. — Crescit in California interiore.

S. 2. Flores flavi. Involucellum saepius Iriphyllum persistens. Car-pella 1—3-cuspidala vel mulica.

6. M. WRIGHTH Asa Gray 1. c. adn. + — Pube brevissima stellata undique lepidoto-cinereura; caulibus adscendentibus e radice peronni parce ramosis; foliis oblongo-ovatis dentatis obtusis, basi rotundatis truncatisve, petiolo duplo loagioribus; p«dtmculi8 niillaribus solitariis unifloris brevissimis; bracteolis involucelli tribus ovatis ve| eub-cprdati persistentibus, tubo calycis adnalis, lacinias ejusdem triangulari-ovatas acuminatas subaequantibus; carpellis 15—20 piano-compressis, apice hirtis, extus bliamfel-lato-gibbosis, acie ventrali in cuspidem subulatam attenuaiis.— Crescit in Texas.

7. *M. CARPINIFOLIUM Asa Gray 1. c. 22. adnol. — Sido *carpinifolia* DC. Prodr. I. 'MU no. 18. — *Sida planicaulis* Cav. — *S. spiraeaefolia* Willd. — *S. bracolata* DC. 1. tff 460. no. 17. — *S. cwyinoides* DC. 1. c. 461. no. 19. — *Malva trwvtpidala* Ait. — *Itit' subhastata* Cav. — *M. Americana* Cav. — *M. Domingensis* Spreng.

8. M. ANGUSTUM A. Gray I. c. adn. f — Annuum adpresso pilosum: caule gracili; fo* liis lanceolatis vel lineari- oblongis petiolatis rafiter serratis; stipulisjsetaceis; pedun- culis axillaribus plerumque solitariis circ. longitudine petiolorum; bracteolis involucelli 2—3 sclaccis, calyce hrevioribus; segmentis calycis latissime ovatis subcordatis acu-niinat, post ambesin ampliatis; carpellis 5 obiusis omnino mulicis puborulis laevibus

- Onembranaceis mox bivalvibus. — *Sua hitjnda* Pius. — *Mplva perpus* Ma NutU — In Georgia (Am. bor.)
9. M? (MALVA) AURANTIACUM Scheele, Linnaea XXI. 469. f — Steffato-pubescent sufruticosuro; radix muliicaulu; caules ascendentes ramosi leprosi 1¹A—2«pedale8; stipulae lanceolaiae iniegrae. Folia peiioiaia ovali - oblonga-venoso-nervosa grosse et inaequaliter crenato-serrate. basi rolundua, apice dente juromo brevissime acuminata; petiolus canaliculatus lamina breior; pedunculi azillares solitarii brevissimi angulali incrassaii; involucri triphylli foliola spaihulato-ovaia acuminata integerrima sepalis breviora; sepala (juinque, ampla late ovata acuminata integerrima; petala auramiao obovato-cunenta glabru nervoso-venosa, apice emarginato-biloba calyce duplo longiora; carpel la 14 in orbem disposita fusca compressa lubrculaia, basi reniformi-excisa vcl in formin ferri equini obsolete curvata, infra semen alho-membranacea. dorso tricostam, costis 2 marginalibus, opice erosa barbaia, margine interiori apice cuspidata; si'mina reniforraia glabra. — Crescit io Texas in pratis humidig prope Neubraunfels.
10. M? (MALVA) LINDHEIMBIANUM Scheelu 1. r. 4?0. f — Procumbens ramosiMimum suffruticosum strigosum, pili medio afflxi simplices furcatique; stipulae subulatae; folia longe peiolata ovato-oblonga crennio-settata aculn, basi subcaeaia; (Lores axillareg solliarii pedunculati el ad apices ramoruin capitaio-apicaii; involucri triphylli folioln lanceolaio-subulala longe ciliata, pedunculo longiora, sepala aequantia; se-pate 5 late ovata cuspiihta ciliata; petala flava late emarginata, calyoe paalo longiora; carpella 12—14 in orbem disposita monosperma reniformia Irigona trantfersa rugosa echinaia triuspidata; semina reniforraia fusca glabra. — Crescit in Texas prope Neubraunfela.

5289. SIITA *Lim.*

(UC. Prodr. I. 459. [ex p.] - WJprs. Repert. I. 313. II. 792. V. 93. Ajuat. I. U& [ex p.] — A. Gray, Plant. Fendler. p. 22. adn. ICbar.feju. reform.)

Calyx saepius angulatus nudus raro ve bracteolis 1—2 deciduis involu-cellaius. Tubus stamineus simplex. Stigmata capitellata terminalia. Ovulum in loculis solitarium resupinato-suspensum. Capsula 5—15-cocca. carpella rectiuscula indehiscentia v. saepius apice bivalvia ab axi centrali tarde secedentia. Semen subtrigonum, umbilico sursum spectante. Embi70 conduplicatus, curvatura infra, radícula ventrali cotyledonibusque superis.

* *Species corrigendae.*

1. * S. LINIFOLIA Cav. — DC. 1. c. 459. no. 1. — Hook. III. Niger Flora 230. — S. *Unca-
-rifolia* Schum. ft Thonn. — Wlprs. Bepert. I. 315. no. 21.
- * S. URBNS L. — o.c. 1. c. 465. no. 72. — Hook. 01. I. c. - S. *sesrtiflo* PC G. Don.
Gen. «yst. I. 451. (nec Hook#) — & *debi*US G DON. 1. c.
3. S. STIPULATA Cav. — DC. I. c. 480. no. 9. — Hook. HL 1. c. 231. — S. *prwtrata*
Don. I. c. 490.
4. S. ACUTA Burm. - DC. 1. c. 460. no. 6. - Hook. fIL I. c. - S. *oota* G. Don.
1- c 492.
5. S. J^CAULIS Torr. ft Gr. Fl. N. Am. I. 292. — Wlpw. *ep<rt. I. 816. no. 31. -
A. Gray, Bost, journ. of nat. hist. VI. 163. — S. *piformis* Moric. W. nour. Amer. 38.
tab. 25.
6. S. RHOMBIFOLIA L. — DC. 1. c. 462. — B. Webb, in Hook. Niger Flora 108. — 5.
canescens Cav. — S. *Canar4emsis* Willd. — DC. 1. c. — S. *riparia* Hochst. mss.
7. S. CORDIFOLIA L. — DC. I c. 464. no. 68. *-B. Webb in Hook. %er Flora pag.
108. 8c 320. — S. *herbacea* Cav. DIM. I. 19. -tab. 13. fig. 1. — DC. 1. c. 463. no. 57. —
5. Means Cav. 1. c. lab. 3. fig. 1. — DC. 1. c. 462. no. 42. — S. *rotun&ifolia* Cav. 1. c.
20. Ub. 3. fig. 6.— DC. 1. c. 464. no. 58. — S. *midtiflora* Cav. 1. c. 18. tab. 3. fig. 3.
- DC. L c no. 63, — S, *QHhaeifolia* Sw<, Prodr. 101, — DC. 1. c. no. 7t. — 5. *Afri-*

cana Palis. Beauv. — *S. Portoricensis* Spr. — *S. velutincta* E. Mey. (nee Zucc.) — *S. decagyna* Schum. & Thonn. — Wlprs. Repert. I. 315. no. 26.

8. * *S. HEDERACEA* A. Gray 1. c. 23. adn. — *Malva hederacea* Dougl. — Wlprs. Repert. I. 292. no. 2. — *Malva Californica* Prsl. — Wlprs. Herp. I. 235. no. 36. — *M. plicata* Nutt. — Wlprs. Herp. I. 232. no. 3. — *Malva obliqua* Nutt. mss. — *Sida obliqua* Torr. a- Gr. — Wlprs. Repert. I. 315. no. 33. (III. Emend.)

" *Species novae.*

f *Foliis lineari • lanceolatis.*

9. *S. VOGELII* Hook. III. Niger Flora p. 231. — Gracilis erecta glaberrima: caule virgati ramoso; foliis petiolatis lineari-lanceolatis acutis, inaequaliter subacute serratis, basi rotundatis; stipulis glaberrimis petiolum superantibus; pedunculis axillaribus solitariis (rarius binis) unifloris gracilibus, medio articulatis petiolis ter longioribus; calyce glaberrimo, segmentis acuminatis; carpellis subsessilibus birostratis. — Suffrutex 2—3-pedalis ramosus. Caulis crassitie pennae corvinae. Stipulae majusculae, petiolum gradient 7a unc. longum superantes. Folia utrinque glaberrima, 1½—2 unc. longa, 4—5 lin. lata submembranacea. Pedunculi graciles erecti. Carpella dorso rugosa rosulis paulo divaricatis. — Crescit in ins. Fernando-Po.
10. *S. HETEROCARPA* Engelm. mss.-ex A. Gray, Bost. Journ. of nat. hist. VI. 163. f - Stellato-pubescentis: caule credo ramoso; foliis basi subcordatis obtusis crenato-dentatis, inferioribus lanceolatis, superioribus linearibus, tuberculo sub basi petioli subsessiloso; petiolis brevibus stipulas setaceas et pedicellos solitarios seu fasciculatos superantibus; carpellis 5 nigris divaricato-birostratis, apice pubescentibus, latere tenuiter rugulosis, dorso membranacea tenui evanescente clausis. — In republica Texensi.
11. *S. LINDUELMERI* Engelm. 1. c. V. p. 213. f — Annua puberula? caule erecto ramoso; foliis linearibus vel oblongo-linearibus serratis, basi subcordatis; stipulis lancedato-setaceis petiolum subaequantibus; pedunculis folium demum aequantibus; carpellis 10—12 reticulato-rugosis, apice breviter birostratis, extus pubescentibus et angulo interno in dentem subuncinatum brevem introrsum productis. — Habitat in Texas.
12. *S. SURINAMENSIS* Miqu. Linnaea XXII. 469. + — Frutescens, stellato-puberulenta; foliis lanceolatis attenuato-acuminatis, basi subcuneata integerrimis, caeterum duplicato-serrato-dentatis, supra pilis stellatis minutissimis conspersis, subtus pallidis, pilis supra nervos densioribus; racemis contractis paucifloris axillaribus, vel super ramos axillares folium vix aequantes foliatis aut aphyllos racemum compositum sistentes; pedicellis medio et infra medium articulatis; calycis quinqueangulati quinquepartiti lobis lato-ovalis acute acuminatis puberulis; carpellis plerumque 10 longe birostratis. — Surinam.
13. *S. ANGUSTISSIMA* Miqu. Stirp. Surinam, select. 102.f — Tota hirsuta: foliis ovatis petiolatis, e basi rotundata longe linearibus, angustissimis integerrimis, pilis sparsis super nervos et secus margines densioribus subappressis longis; racemis terminalibus longe pedunculatis abbreviatis; pedicellis medio articulatis, infra articulationem subglabris, supra earn dense appresse hirtis; petalis calyce duplo longioribus. obovalis emarginalis flavidis. — Crescit in Surinam secus flumen Marrowyne.
14. *S. VIRGATA* Hook, in Milbell, Journ. of tropical Australia p. 361. adn. — Rami elongatis virgatis stellato-tomentosis; foliis brevissime petiolatis lineari-oblongis serratis, supra pubescenti-velutinis, subtus calyceque quinquefido stellato-pannosa fulvescentibus; stipulis acicularibus rigidis spinescentibus; pedunculis axillaribus unifloris folio brevioribus; petalis (flavis) calyce duplo longioribus. — Crescit in Australia orientali tropica.

ft *Foliis ovatis v. cordatifi.*

15. *S. DENSIFLORA* A. Rich. Tentam. Flor. Abyss. I. 66. f — Hirsutissima: caule recto 2—3-pedali leveti; foliis longe petiolatis cordato-lanceolatis acutissimis serratis, stipulis setaceis persistentibus; floribus parvulis subsessilibus, nunc glomerulos subglobosos brevissime pedunculatos axillares efformantibus, nunc in spica densa longe pedunculata dispositis; calycis urceolato-campanulati 5-angularis laciniis ovali-lanceo-

- lati> acurainatis hispidis reticulatis in tpsulam facile tolubilem dispositis — Or esc it in provincia Chir^ Abyssnuac
- 16 S SCHIMPERIANA Hochst mss ex A Huh 1 (it 60 — Plocumbens rmosissima (tuinosQ semipodilis loins minimi* oblongo - ulicoi dans suhcunctis basi in peiolom brovoin attenuaiia subeni n«M Mibiu* pili IHIS stellnlis conspoisis floiibus mimniH soliiarns subsosbilibus cnrpcIJn lursutis III cnp»ulmii dopi cssam opico subcomcom iOlostata hirsutam conlitu. — Cresqit inter Mave Gouagoua ul Dobra Sma, in regno Tigo* in Abv>sinin
- 17 S PHMITATA Hochst mss ox | Kieb 1 c 67 — Glabia caulo erecto bi — tripedoll teroti, glabro gluces(cnie folns longe pctiolatis, llgura niaxime vams, inferioribus submdiusis aut vix obsolete tnlobis inedns ulna mediam pan em digiatio - inlobis, lobis ovali-lanceolatis acununatis, mciso serratis, supieims fere 5-parllilis, partitionibus angusio lanccolatis acuiissimis, intermedia longion, stipulis ovali-lanceolain acutis 3-ner^ns flonbus miniinis roseo-piirpurascntibus, longo pedunculatis. axillaribus, saepius binis capsula depress apice subcomca glabra, e carpellis 10 arete coalitis constante — Ciescit in provincia Tchelicot. et in pane montima Choho Abyssiniae
- 18 S PHYSOC\X Asa Gray, Boston Joum VI lbJ — Caulibus e radice cornosa rassa plummis decumbentibus ramo&is singosis loins carnosulis ovalo-oblongis erenato-dentatis, ba^i 5—7-nervns subcoidatis, pciolo subduplo longionbus. supra pilis ^implicibus, sublus pi 11^ 3—5-par tills appressis paico stngosis, mflmis rotundaiis. summis sublantcolalis acuiis, slipulis subulatis, pedunculis axillanbus umflons petiolo bro^ioribus, fructifens nutaniibus, calyce quinqueparlito membranaceo mflato quiaqucalaio dauso, segmentis late ovalis quasi coidoiis, coiolla flavida vix exscrtta. o\ano caraoso arete depresso decemlobo prumoso, demum in carpeliia 10 rotundata, intua Hubrosirata pioducla mulica, semini conformia niuda, minule roliculala, calyce maumo vesicauo incluaa socodcnle — Crescit m republico Texensi
- 19 b TRAGIALFOLIA A Gray I c 164 adnoi — Huimlis caulibus (o radico perenni?) subcreclis petiolisque pube sieJJaia subglutinosa vclutinis* setisque paicntibus gracillimis luspidis, folus ON alo - oblongis angulato - tordnlis grosse denlalis pennmerviis, basi 5-7-nervatis, supra parte, sublus molliler pubesceniibus, petiolo gracili (pollitan) vix duplo longionbus, buperionbus acutis, stipulis setaceis, pedunculis axillanbus uniflons peUoJum subaequantibus. corolla supra col}tcm villosulum paulo excedente, carpellis 10 glabnu^culis, apice obtuso bipartibilibus, sumrao doiso bicorniculaiis. — Croscit in Texa in meridionali
- ^0 S. FILIPES A Gray 1. c 164 adnot. — Furfuraceo-canescens caule erecto paniculato gracili, folus brevissime pciolatis lanccolatis, basi cordatis dentato-serratis obUisuscuhs, supra vcluiino-pubesceniibus, «ubius ramuhsque cano -tomentosis, nunc fulvis vcl ferrugineis, stipulis setaceis petiolum excrdeniibus, pedunculis uniflons capillanbus (2—3-pollicanbus) folus longionbus, paulo sub flore pendulo articulatis, coroUa (purpurea?) cil\cern subduplo supciantc, corpellis 7 reticulah) - rugosis mruic¹⁸» suporne pubesceniibus, dorso canahculalis bivalvibus. — Crescit in republica Texensi
- ^1. S CUNEIFOLIA Asa Gray 1 c 165 adnot — Cano-tomentosa humilis caulibus e basi fruticulosa assurgentibus ramosissimis. folus parvulis rotundato-cuneiformibus flabollaio-3^5-nonnis crenato-dentatis repandisve, ulrinque concolonbus. stipulis lineanbus peiolom subaoquantibus, flonbus (flavis) brevissime pedunculatis folio bre^onbus, caipelhs 5 pubescenubus membranacels lurgldis. apice inter rostra brevviollm demum bivalvibus, semino globoso — Crescit in republica Texensi IOCH sub¹⁸»
- ** & INTLGERRIMA Hook. Bot. Magaz tab 4360 f — Subarborea folus oibiculan-coidans bre viter acurainatis, supra glabns, subtus Stella to-pubescent! bus sublomentosis 5—7-nervus ommno Intogernmis longe petiolatis, stipulis lineari-subulatis deciduis, pedunculis in axillis supremis foliorum soluurus uniflons petiolo longioribus. nfnia apicem articulatis. calyce stellato-tomentoso bemisphacrico 5-Iobo subqulnquantulato, lobis triangular!-acurainatis erectis ngidis coiollae spctiosae petal is oblique

- obovato • cuneans retusis flavis basi macula uianiiatA ovno globoso st\h rami*
 11 — Habitat in Novo Granada
- ^3 S TRINERVH Splitgibi mss etVii.se NederhmUcli kiuidkund \rch I 339 f—
 Folus obovnto - oblongiq basi tnnorviiN ipice dentatis subtus \cnulme canescenti
 bus pedicellis nxillanbus unilloris folio breMonbus cupelli* 7—8 bicMter denials
 — Afflnis S *rhombofoliae* I — Crescit in Savanna Panensibus
- >i * FOI FOS\ Splilgrbi mss ex Vnese I • 340 f — Frlns ovato-oblongts inaequn
 lilei small* subtus stHlato-pilosis pedunculis axilhnlii> mnl/fions breussirais
 carpellis 5 muticis — Afflnis S *cmpmifoliae* I III — Crescit in Para
- >5 S TOMENTLI A Miqu Linnaet XXII 553 f — Frulicosa' ramis pcliolis foliisque
 subtus canescenti-tomentellis folm inodice petiolatis ovaio-oblongis attenuate-acu-
 nunalis basi leviter cordatis \el obtusis summis sublanceol itis maequaliter dentatis
 bflsi sub-5—7-ner\iis, supi i pubtscentibus stipulis anguste lmeaibus peliolo bre-
 MONbus flonbu* axillaribus glomentis bicvissime pedunculalis vel sessilibus versus
 ramorum vel ramulorum apices racemosis caljcis subglabn qmnnuefdi qulnquestnati
 lobis lanceolatis ecutis puboiulis coccis 5 fugaciter puberulis in cornua duo breua
 compressa terminatis monospermis <temmbus subtnngoms — Afflnis S *carpinifoliae*
 L et & *micranthae* St Hil — In Brasiliae prov Minos Geracts
- 26 S FILIFORMIS All Cunn in Mitchell Journ of tropical \ustralia p 361 adnot —
 Tota stellato-tomentosa ramis patentissimis olongatis folus bievissime petiolatis cor-
 doto-ovatis crenato - serraiis peduncuhs axillanbus uniflons gracillimis folio triplo
 longionbu* cahce quinquefldo petalis duplo brevior — Crescit in Australia oriental'
 iropira

5292 JVfAii%€HR4 Linn

(DC Piodi I 440 -VMpr;, Repeit I 322 \ S5, Annal I 104)

- 1 M C4PITATA Linn Svst 5IH — DC Prodi I 440 no 6 — Species in India octi
 dentdli vulgans sed ex auctorum descriptionibue aegie i ecognoscenda — Wlprs &
 Duchass Lmnaea XXIII 749 — Caulo ramoso icreti cum petiolis pedunculis bracteisque
 sens urentibus hispidissimo folus longe petiolatis late ovali* v ovah-subrotundis
 supiemis sacpe obsolete tnlobis obtusis neutis\e irrngulanter crenalo-denticulatis
 fjuinquenervns supia giabnusculis sparseque pilosulis infra praecipue in nervis his-
 pido-pilosis capitulis axillanbus plerumque terms pedunculalis pedunculo uno petio-
 lum acquanlt reliquis brtvionbus flonbus 5—7-nis glomeiato-capitatis bracieis
 profunde cordatis crenato-dentatis ad basin utiinqr lacinuln fliliformi urenti-aetosa
 stipulatis calycis membranacei lncirms trinenus ncuinatis setoso-cihalns corollam
 luteam aequantibus — Caulis I —I ped*lis pelioli 1—2 poll longi folia 1 y₂— 3-
 pollicana, prope basin I^{1/*}—2^{1/2} poll lata ad inscrtionem petioli leviter corddta
 pedunculi plerumque term quatermve vanae longitudims uno peilolum aequante
 altero dimidio brevior, tertio brevissimo Involucrum (ab auctonbus tnphyllum m-
 dicatum) deest sed bractee florum in glomerulo extenorum maximae falsam in-
 volucn speciem exhibent Bractoe extenoies semipollicein latae v majores, prae-
 sertim extus in nervis setoso-hispidissimae lacunae stipulares 4 lin longae Non-
 nulli botamci *Malachaium* bracteeas pro folus floralibus v pro involucro exteriore
 bractearum stipulas pro involucri phyllis desenpserunt alii stipulas omnino ne-
 glexerunt — *Sida captata* Linn Act Upsal 1743 p 137 tab 2 — Habitat vulgans in
 paludibus Insularum Caribaeamm — Cortex ad funcns parandos praestantissimus
- 2 M RADIATA Linn Syst 518 — DC Prodr I 440 no 9 - Cav Diss II t 33 ,
 flg 3 —Specie:* ex auctorum descipiionibus vix recognoscenda — Wlprs & Duchass
 1 c 750 — Caule carnoso tercli nmis petiolisque densissime setoso-pilosis, folus
 longiuseule petiolatis ovitis profunde tnlobis v obsolete qumquelobis lobo medio
 production, acuminatis ir regular Hei crenato-den tails utnnque sparsim setosis
 glomerulis axillanbus sessilibus v brevissime pedunculalis 3—5-flons bracteis et
 ovata basi acumlnatis utnnque lacima flililormi siipulan auctis setaceo - pilosissimis
 cah c;9 membrnacei lacinnns trinervus dense setoso-ciliatis coccus dimidio superan*

tibus. — *Sida pluripedalis*, pet. 9—18 lin. longi, folia & *S. pollicaria*, 1 1/2—2 1/4 poll, let*, profunde iriloba v. obsolete quinquetah, lobia duobus aitoriotibua hrevissimis. palraatint 3—5-nervia. Bractee exteriorea 7 tin. fongae, 51io. latae, stiptltae dimidio breriores. Corollam non vidi. — *Sida radiata* Linn. Sp. pi. 968. ••• Habitat in insula Guadeloupe et in isihmo Panamensi.

- i N. KEGELIANA Grcke. Linnaea XXII. 52. f — Caule erecto, minute puhero tuberculoso-hispido et linea longitudinali villosa decurrenti notato; folib inferioribus trilobis, lobis valde inaequalibus, lateralibus brevissimis, terminali longe producto acuto, foliis superioribus obsolete trilobis vel ovato-lanceolatis, omnibus inaequalitejr serratis acutis: capitulis pedunculatis quinquoioris, foliis floralibus bracteiformihus tribus trianguari*cordatis, subconcoloribus petiolatis stipulalis; stipulis dtcem tuberculoao • hispidissimis.) — Crescit in cultis prope Paramaribo.

5292. ABLTILOIXf *Knth.*

(Wlprs. Bepert. I. 323. II. 793. V. 95. Annal, I. 104. — *Sida* sect. 3. PC. Prodr. I. 467.)

1. A. CYSTICARPUM Hance, Pl. nov. Auslr. Chin, diago. inad. p. 10. — Suffrataioaaa: foliis longe petiolatis cordatis acuminatis inaequaliter eroso-dentatis, utrinqua puba tenuis* siraa tii conspicua subtiliter Testitis, subtus albidis; peduooulia axillaribus l<0oria folia superantibus vel raro tantum aequantibus; carpellis 17—20 vesicariis hirauro - pilosis, npice flubiruncaiiis, calyce duplo longioribus.—Flores flavo-aurantiaci. — Ins. Hongkang.
2. A. WRIGHT 11 Asa Gray, Boston Journ. VI. 162. adn. — Caulibus decumhentibus ramosis visoo-so-pubescentibus et pilis gracillimit patentibus villosis; foliis orato-oordatis obtusiuseulis argute dentatis, supra viridulis soabrido*velutinii, subtus mojlitaim niveo-tomentosis; stipulls subulatis caducis; pedunoulis unifloris petiolum aequantibus vel superioribus folium superantibus; calyco tomenloso quinquepartilo, laoiniis sensim acuminatissimis dorollam auream subaequantibus; capsula tomentulosa calyoi aequilonga, e carpellis septom apice subulato-rostratis trispermis. -^ Creacii in republica Texensi ad Rio grande.
- 3- A. HOLOSERIGEUM Schoele. Linnaea XXI. 471. — A. Gray. Boston journ. of nat. hist. VI. 162. — Caulis teres tomentosus ramosus 3—5-pedalis; stipulaa aubulatao pilosae deeiduae; folia crassa longe petiolata cordala, inferiora subtrUoba, inaequaliter dentato-serrata, dentibus horizontaliter patentibus acuminalis, aouminata uninervia, subtus cinerea reticulato-venosa, nervis vanisque subtus prominulia, utrinque pilis slellatis tuberculo insidontibus holosericea, lobi baseos integri. Padunculi aiillares elongati, uni - v. pauciQori; pedicelli flore sublongiores tomentosi. Calycis quin^ queftdi tomentosi denies laio-ovali acuminato»mucronaii uninerves tubo viz longiores. corolla <|jmidia breviores. Petala aurantiaca obovato-cuneata, apice subtruBcata »ul- •fsirlata glabra, genitalibus longiora. Stylus apice routifldus stamina subaaquans: stigma capitatum. Antherae apice trilobae, lobus medius obtueus. lateral** aouti. Carpella quinque inter se coalita circa axin venicillala inflata uniloearia triaparma bicuspidata, exclus blrsuiissima. intus glaberrima. dorso longtudJnalltar dablscjnUa. SemiDa badia ovata, basi obsolete reniformia scrobieulata. dentissime pupcinta. «r A. *velulinem* A. Gray, III. gen. pi. Am. bor. II. 67. tab. 125. — CraaeH in republica Texensi prope Neubraunfels.
- * A. INSIGNE Planchon mss. in Van Houtte, Flore des serres VI. 41.1. 651. <~ Lindl. & Paxt. Flow. gord. I. 93. fig. 65. — Frutascans: ramis novellis, inflorescentiib calyoir busque exius pube stellata densa rufldis; .|oUis alternis amplis. longe peiolitis cordatis, saepius trilobis nuno iotegris, ambitu grosae dantatia palmtlo-7_TnerYis. raticulato-venosis, utrinque praaertim secus nervoa pfloaulis; siipulia auJiulatis; racemis axillaribus petiolum superantibus, 3—7-floris, padicellit iofarioribua basi folio minuto (bractea^ sUpatis, omnibus gracilibus, supra medium articulatis; calycis canpanulatt

*) A *M. radiata* non differre videtur.

- lobis triangulanbus acuminatis acutis, ternerviis, nervo medio crasso; petalis obovato-cuneatis, apice eroso-sinuato plicato - nervis roseis, nervis saturate purpureis, in corollam infundibuliformem approximatis, quam genitalia parum longioribus, staminibus quindecim, columna staminum inferne pilis stellatis conspersa, apice in adclphas quinque divisa — In Nova Granada
- 5 \. STENOPETALIM Griseb Dot Zeil A III 683 — Velulinum caule suffruticoso. foliis ovato-cordatis acuminatis junioribus crenatis, adultis subintegris omnibus subtus ternescenti-velutinis, petiolatis stipulis linear-lanceolatis eiculis dicitur panicula expansa, pedicelli unifloris, supra medium articulis, petalis sublinearibus*. basi villosissimis, stipula ovata-acuminata in axillis capsula 10-loculari, calycis fere acutiflorae mutica, loculis ternis semmibus remformibus pubescentibus — Crescit in Columbia
- 6 A \COSUM Hook Bot Mergaz tab 416) f — Subarborescens lamis herbaceis glabris foliis longe petiolatis cordatis palmatis profunde 7-lobatis, lobis lanceolatis acuminatis grosse incisospiratis, stipulis subulato-lanceolatis, pedunculis axillaribus solitariis unilobis longitudine foliorum. sub apice articulatis, calycis amplius campanulati tubo globoso 15-lamellato, limbo 5-partito, lacinus ovalo-lanceolatis acuminatis, petalis latissime spatulatis concavis terniventibus venosis — In Brasilia
- 7 A LAINATUM Miqu Linnæa VII 553 f — Ramis, petiolis, foliis subtus, pedunculo calyce quo exlus floccoso-lanatis foliis longiuscule petiolatis lato-ovalis acuminatis. basi profunde cordatis, inaequaliter dentalibus, integris vel sublobis, supra puberulis, 5—7-nerviis, stipulis lanceolato-linearibus, floris axillaribus et plerumque ad ramorum apices confertis pedunculatis, calycis junioris densissime lanatis lobis 5 lato-triangulanbus, intus triangulariter concavis et tenuiter tomentellis, corolla calycem duplo superante (glabra). capsula caetero inclusa depresso-globosa birta 6(?)-loculari, loculis quadrovulvatis vulgo monospermis — Crescit in Brasiliae provincia Minas Geraes
- b A. REGNELLII Miqu I cit 554 f — Frutescens tomentellum foliis e basi profunde cordata septem- vel trilobo-palmatifidis serratis, supra pubescentibus, subtus glaucescentibus tomentellis, lobis acuminalis. medio longissimo. inferius brevissimis. stipulis caducis floribus uxillariis soilaribus et ad ramorum apices confertis. pedunculis petiolum superantibus, paulo infra apicem articulatis dense tomentosis, calycis cupuliformi-semiglobosi Jobi* quinque in angulanbus acutis aldo tomentosis, corolla caetero duplo superante, petalis basi attenuatis glabris purpureo-venosis, capsula multiloculari costata tiuncala inermi liutella, loculis quadrovulvatis vulgo monospermis. — Crescit in Brasiliae provincia Minas Geraes
- 9 A. SEPTIMLOBUM Miqu 1 til 554 f—Foliis subglabris, bicillibus pilis stellatis conspersis longe petiolatis palmato-septomlobis, lobis lanceolatis acuminatis inaequaliter serratis membranaceis, pedunculis axillaribus solitaris, petiolum superantibus, apice ipso articulatis, calycis profunde quinquefidis dense stellato-pubescentibus lobis lanceolatis ternemibus, intus molliter pubescentibus, ovium loculis quadrovulvatis. — Crescit in Brasiliae provincia Minas Geraes
10. A. FRASEIU Hook, mss ex Mitchell, Jouin. of tropic Austral 368. ad. — Tota stellata - pubescens foliis ovatis cordatis acutis argute crenato-serratis, petiolo folium aequante, pedunculis axillaribus solitaris unifloris, apicem versus articulatis; calycis quinquepartiti segmentis ovalo-lanceolatis.— *Sida dumosa* Backhouse mss. —In Nova Hollandia tropica.
- 11 A TUBULOSUM Hook, in Mitchell l. c. 380 adn. — Tota velutino-pubescentibus foliis cordatis ovatis (sinu profundo angusto) sublonge acuminatis dentato-serratis, stipulis flaccidis, pedunculis axillaribus soilaribus unifloris, folio brevioribus, calyce elongato tubuloso quinquefido, lacinus acuminatis, petalis (flam) vix duplo brevioribus — Crescit in Australia orientali tropica.
- 12 'A. GLAUCUM B Webb in Hook Niger Flora 109 — *Sida Asiatica* Cav Difs I. 31 t 7 fig. 2 — *Sida glauca* Cav Ic I 8 t 11.— *Sida mutica* Del — Wlprs Repeil I. 323. no 5 — *Sida yolycarpa* Chr. Sm

5294. *IAOUIVEA Cav.*

(DC. Prodr. I. 474. — Wlprs. Repert. I. 327.)

- L. ABYSSINICA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 71. — Gaule erecto simplici tereti piloso; foliis longe petiolatis, basi cordatis, apice acuminatis, dentatis, membranaceis, basi 5—7-nerviis, vix pilosis; stipulis lanceolatis, basi sensim angustatis subfoliaceis; floribus parvulis subcorymbosis, calycis quinquepartiti laciois oblongo-lanceolatis acutis, externe pilosis; petalis calyce duplo longioribus. — Habitat in Abyssinia in valle fluvii Taccaze.

Ordo XXVII. STERCULIACEAE Vent.

(Wlprs. Repert. I. 329. II. 773. V. 95, Annal. I. 103. — *Bombaceae* et *Büttnenacearum* trib. I. DC. Prodr. I. 475. & 481.)Tribus I. *BOMBACEAE* Schott a Endl.5298. *PACHIBA Aubl.*(Wlprs. Repert. I. 329. II. 793. V. 95. — *Caroltnea L.* — DC. Prodr. I. 478.)

1. 'P. ALBA Wlprs. I. c. I. 329. no. 7. — Hook. Bot. Mag. t. 4508.
2. 'P. MACROCARPA Cham, ft Schl. — Wlprs. I. c. no. 1. — *Pachira longifolia* Hook. Bot. Mag. tab. 4549.

5302. *ERIODEXDRO* f DC.

(DC. Prodr. I. 479. — Wlprs. Repert. I. 330.)

- *. 'E. ANFRACTUOSUM DC. 1. c. 479. — Wlprs. 1. c. 330. no. 3. — Wght. Icon. lab. 440. — Hook. fl. Niger Flora 232. — *Bomhax Guineensis* Schum. ft Tbonn.? — Wlprs. Repert. I. 330. no. 3.

Tribus II. *HELICTEREA*E Schott & Endl.5316. *HELICTERES L*

(DC. Prodr. I. 475. — Wlprs. Repert. I. 332. II. 794, Annal. 1. 105.)

1. H. INTEGERRIMA Krthls. Nederl. kruidk. Archief. 1848. I. p. 303. — Folia ovali-oblonga obtusa mucronulata. basi obtusa trinervia, subtas et in petiolo dense fiico-tomentosa; pedunculi multiilori axillares; fructus ovati hirsutissimi. — Crescit in agris andis Martapoera, Poeloe-lainpei etc. insulae Borneo.

Tribus ffl. *STERCULIEAE* Schott a Endl.I. *STERCULIJA* Linn.

(Wlprs. Repert. V. 97.)

- *. ST. LINEARIS Krthls Nederl. kruidkund. Archief I. p. 305, — Folia oblonga, obtuse acuminata, nervis perpendicularibus; racemi axillares; carpella di« vel trUperma. — Crescit ad insulae Borneo pedem mootis Sakoembang

2. ST. GRACILIS Krthls. 1. cit. pag. 306. — Folio ovaia, longe acuminata, basi truncato-obtusa, trinervia, utrinque glabra; racemi axillares; lacinae calycinae lineares pubescentes. — Crescit ad insulae Borneo montem Prarowin.
3. ST. STIPULATA Krthls. 1. cit. pag. 906. — Folia oblongo - obovalia acuminata, basi obtuse, supra in nervo medio pilosa; stipulae lanceolatae fragiles; racemi axillares; **carpellis** oblonga sertea. — Crescit ad insulae Borneo montem Prarowin.
4. ST. PURPURASCENS Krthls. 1. cit. pag. 306. — Folia oblongo - obovata obtusiuscula, supra nitida, subtus et in petiolis dense purpurascens-tomentosa; carpella subglobosa, intus glabra, extus rubro-fusco-velutina.—Crescit ad insulae Borneo montem Sakoembang.
5. ST. RUFULA Krthls. 1. cit. pag. 306. — Folia obovata-oblonga acuminata, basi obtusa, supra in nervo medio et subtus fusco-tomentosa; flores racemosi; carpella oblonga compressa sericea. — Crescit ad insulae Borneo flumen Banjermassing.
- (i. ST. ZIPPELII Krthls. 1. cit. pag. 307. — Folia subrotundata undulato-sinuata mucronato-acuminata cordata, subtus canescenti-tomentosa; flores paniculati. — Colitur in horto Bogoriensi.

la COVILHAMLIA Krthls.

(Krthls. Nederlandsch kruidkundig Archief. I. pag. 307.)

Calyx hexasepalus, sepala ad medium usque in tubum urceolatum conniventia. Stamina monadelphia; antherae vacillantes. Ovarium stipitatum trigonum triloculare, loculi pluriovuleti, ovula biserialia, angulis internis affixa.

- i. C. OVATA Krthls. 1. cit. — Arbuscula. Folia ovalia breviter acuminata, basi acuta, subtus pilosa; racemi axillares simplices pubescentes. — Crescit ad insulae Borneo montem Pamatton.

IIa- DELABRIFICHA Mitchell.

(Mitchell, Journal of tropical Australia pag. 154. adnot. c. ic. xylogr. p. 154.)

Calyx quinquefidus valvatus. Antherae congestae. Styli Stigmata Folliculi coriaceo-papyracei hexaspermi, longe stipitati, intus utroque pubescentes. Semina albuminosa, albumine bipartibili, cotyledonibus fofoveatis parum adhaerente, pube stellari basi vestita, inter se et fundo folliculi cohaerentia; primina laxa tenui fragili, apice foramine incrassato notata, secundina crustacea, demum hbera, chalazam magna circulari notata. Embryonis radícula hilo contraria.

1. D. RUPESTRIS Mitchell 1. 1. c. c. pag. 155. - Arbor grandis, truncus in doli speciem tumescens. Lignum album Jaxum, mucilaginosum repietum, vasis porosis (boihenchymate) maximis faciem internam cujusque zonae occupantibus; radiis medullaribus tenuibus aequidistantibus. Folia lineari-oblonga acuminata integerrima, in petiolo filiformi ipsis duplo breviora insidemia, subtus pallida et quasi vernice quadra cinerea ebducta. Inflorescentia «Hic trichotoma tomentosa, foliis brevior. Calyx valvatus» **utrinque** tomentosus. — Crescit in Australia orientali iropica.

Ordo XXVIII. BITTNERIACEAE R.B.V.

rbC. Prodr. 1.481. [excl. Irib. I.] — Wlprs. Repert. I. 336. H. 795. V. 107, Annal. I. 105 ft 959.)

Tribus I. LASIOPETALEAE Gay.

5322. SBRIItfCtIA Gay.

(DC. Prodr. I. 488.)

1. "S. PLATYPHYLLA Gay. — DC. I. c. 448. — Steetz in Lchm. Plant. Preiss. 11.349. — (iaya platyphylla Spr. Syst. veg. I. 971.

1) Bittneriacearum in Nova Hollandia sponte provenientium genera cl. Sletetz (in Ichin. Plant. Preiss. II. 317.) ad novam melUodum disposuili:

Tribus I. LASIOPETALEAE.

Calyx corollinus. Pctola minutissima squamaeformia vel nulla. Filamenta libera vet Itasi^coalita, sterilia nulla vel angusta, fertilibus alterna. Antherae coniiguae.

II. *•. Monocarpae. Carpidia in capsulam loculicide dehiscentem connate.

- A. thomasiac. Antherae rima laterali utrinque dehiscentes.
1. GUICHENOTIA Gay. — Pctala 5. Filamenta 5 omnia fertilia. Stylus simplex nudus. Folia vericilhUa. Stipulae nullae.
2. THOMASIA Gay. — Petala 5 aut nullu. Filamenta 5 omnia fertilia aut 10, alterna aterilia. Antherae subtetragonae erostrcs. Stylus simplex nudus. Folia alterna. Stipulae foliaceae.
3. RHYISCHOSTEMON Steetz. — Pctala nulla. Filamenta 5 omnia fertilia. Antherae com-Planauie, rostratae. Styli 3 coaliti demum a basi soluli nudi. Folia alterna. Stipulae nullae.
4. IKUCOTHAMKUS Lindl. — Pctala nulla. Filamenta 10. alternu sterilia membranacoa. Ovarium fundo calycis semiimmersum. Stylus simplex nudus. Folia alterna. Stipulno foliaceae.
5. Lafionctalcae vwac. Antherae poro apicis intus ulrinque dehiscentes.
6. ONDIALUM Sin. — Petala 5. Fifamenta 5 omnia fertilia. Stylus simplex nudus. r. fm. S.4!!S^{oriUL} Stipulae nullae.
7. QUETHROSTYLIS Endl. — Peiala nulla. Filamenta 5 omnia fertilia. Stylus simplex distinct), superne cohaerentes. Ovarium simplex. Styli 5—7, basi distincti, superne cohaerentes.
8. ENIA Gay. — Folia alterna. Stipulae parvae deciduae. Pedicelli supra medium arttculnti.
9. whi*riJ^{ciocar}P<iC' Antherae rima dorsali utrinque dehiscentes. Ovaria 5—7 approxi-ri?li *yli 5—7, basi distincti, superne cohaerentes. Folia alterna. Stipulae parvae dociduae. Pedicelli non aniculaii.

Tribus II. BUTTNERJEAЕ.

- A. \$ & wnspicua. Filamenta in tubum stamhieu eoaoiur, sterHibus dHMttit peia-10 Rr*TrinA^{ntherae} d'dymae. Fructus capsularis loculicide »Ive septicide dehiscens.
- ut. RULINGIA H. Br. - Petala 5 e basi lata marfinibas inflexi concqva m ligulam pro-ducta. Tubus stamineus urcoolatus 10-parlitiw. lactipils 5 stenlibus cum petalis alternantibus petaloideis. totidem alternisifenilibus petalis oppositis. Antherae loculi bivalves. Capsula loculicMt dehweens.
11. GOMMERSONIA Forst. — Omnta Bultafiae, sed, tubus, stamineys urcoolalus 20-par-it V. i^{US} aciniis 15 sterilibus elongatis ligulatis, basi lernatim inter se cohaerentibus.
19. MACAUTHURIA Endl. — Calyx pentaphyMus, sepalis aestivatione quiacuiccialibus. Petala 5 sepfflorum longitudine. Filamenta 10. interne in cupulam coalita. superne Vpera, omnia Xertilia. Antherae subfflobosae didymac longitudinaliter dehiscentes. Ovarium liberum, Styli 3—4. Ca^sula 3—4-locularis loculicide dehiscens. Semina adsofindontia, basi strophiolatn.

- 4 S LANCEOLATA Sleou 1 c f — Folns oblongo-lanceolatis obtusiusculis ~~submuc-~~errimis, supra glabris subtus cano-tomentosis petalis nullis filamentis inaequali hW) ovana superinlibu^a - Lat> [^ai i t/torum Bauei lib — Habitat in Nova Hollandia
) S (OROLLATA Sleet/ 1 t 350 f — Joins oblongo-lanceolatis acutiusculis integerrimis sive obsolete denticulatis supra vclutim>>, subluⁱ albido-tomentosis petalis 5 >quamacformibu:> — *Uruena pannosa* Bauei niss — Habitat in Nova Hollandia
 yi a ntali

5322/, (6889) **UKACARTHURIA** Hugel

(Wlprs Reperit V 107)

- 1 * l \IVTR\ LIS Ilu
- ^e
- l — Wlprs Report 1 c no 1 — Hook Icon plant tib 40H

5323/, **RHYTHOSTYLIS** Steel:

(bteu in Lehm Plant Preiss II 333)

Inlorescentid oppositifolia racemoso *Biacctia hypocalypta* demum
 i cil\((pdiilspei remold, 3-paitid Cdlyx corollam 5-paititus per-
 shns (oiolla nullis Stamina 5 hypogyna, tdlucis lacinis alterna
 hi mic nl A bievissima, bdsi hbcra omnid lertid, dntheiac compldnato-
 toinpi LSS u lineari-lanceolatae, miorum bubatquilonffum allenujilae, infid
 liidiuin iriscrae, suprd ovdiium connivenles biloculatis, oculis nmd
 lateiah dehiscentibus Ovdium 3-loculatis, ovuli in oculis gemmatis
 (Ollateiahd, < \ dnguli centidlis bdsi ddscendentid driatiopd btyh 3
 • longdli antheris supeiantib sttatei felabu SUJ anthesi arcie coaliti
 • I syluni simplicissimum Mtnulantes post anthesin a basi soluti, versus
 apicem diu cohaerentibus stigma tenninale subcapitulum truncatum
 simplex Capsula 3-loculans loculicide 3-\al\is \alvis medio septi-
 lⁱⁱ^a, stylis rudimento persistente supeiantibus. Semina in oculis gemma
 M\C abortu soctata, e basi eicta, oblonga, strophiole umbilicali
 (itpulaeformi, hinc breviter bifida aucta Embryo ignotus (semibuc
 maturis non suppetentibus) — Suffrutices Novae Hollandiae australi-
 occidentalis foliis alternis, cordatis, petiolatis, exstipulatis integris si-
 hastato-lobis, pubescentibus, iacemibus oppositifolius, biacteis
 trifloribus, hypocalycina demum a basi calycis remola.

- I RH GLUTINOSA Steetz I c 334 f — *Hispidulus foliis petiolatis cordatis, mfen-*
obus paucis late oatis superonibus hastato-lobis pedunculis calycibusque glutino-
is — *Thomasm glutinosa* Lindl — Wlprs Reperit I 336 no 4 — Habitat in NOVA
 Hollandia ad fluvium Cygnorum

- 0 RH CANESCENS Steetz I t 335 f — Incano-tomentosus foliis petiolatis cordatis,
 mfeioibus late oatis summis paucis subhastatis pedunculis calycibusque mcano-
 lomentosis — *Thomasm canescens* Lindl — Wlprs Reperit I 336 no 5 — *Thomasta*
aemula Steud — Wlprs. Report V 109 no 12 — *Thomasta lastopetaloides* Steud —
 Wlprs Reperi \ 109 no 13 — In Nova Hollandia dd fl fognorum

5324 **THOASIA** Gay

- (DC Prodr I. 489. - Wlpris I 336 II 795 V 107 & Ann bot svst I 10* - Steel*
 in Lehm Plant Preissian II 318 sq)

Sect I *pfk*TANDRAE.

S 1 Capsulis caipophoio suffultis

- 1 TH PURPUREA Gay in DC Prodr I 489 — Sleetz in Lehm PI Preiss II 318 f —
Laxopetalum purpureum An — *Thomasia rupestris* Steud — Wlprs Report V 108
 no 4

2 Til UNDLLATA Steetz I c 320 f - Pube stellata appies^sa cinerea asperula ~~fact-~~
mis laieralibus termmalibu<?que saepe ramosis petalis nullis filamentis anthera multo
bieuonbus — In No\|a Hollandia australi - occidental

J| 2 < iipsulis scssihbu>

- j TH PVSKLLATA Lindl — Wlpr« Rcpoil I Sib no 2 — Sieoiz 1 L 123 f — *Th. snbhastala* Steud — \Mpis Roper Y 109 no 10
- i>'TH GRANDIFLORA I mcl — Wlprs Report I 336 no 6 — bteelz 1 c 324. f — *Th Cymopotamua* Steud — Wlprs Repeit ^ 108 no 5 — T* *luada* Steud — Wlprs Repeit V 108 no b
- i *TH F0I10SV Ga\ - 1)f I < 404 — Meet? 1 c K3 — *Th uudiv* Meud — Wlpris Reper | 109 no 15
- h TH GILBERTIVISA Tun? Bulletin de la soc imprc dcs natur de Moscou XXII II p 10 — Pentandra apotala viridis caule petiolis pedunculisque pilis stellatis rufes aentibus tectis folns pctiolatis o\ato-coidatis qmnquelobis subpanduraeformibus obtusis in costis \emsque pilos stellatos hmc mde gerentibus caeterum fere glabns sti pulis magms cordato-orbiculatis tacemis a\illaribu:> nutanlibus 2—4-flou^, folia ex redentibus antheris filamenta quadriuplo superantibus ovario sericeo stylo anthera i urn Jongnudine villosa — Species insignis folns feio *Th foliot,ae sed* multo majors bus fere bipollicanbus flonbus eliam majonlms raetensque charactenbus A aide di slincla — In Nova Hollandia occidenlali
- TH DISCOLOR Steud — VVlprs Roperl | 109 no U — Steetz 1 c 326 f — *Th quercifolia* Bauer mss

bed II DELAKDRAH

- TH TRIPHYLLA Ga^ — DC 1 c 489 — Steetz 1 c 328 — *Tk mpulatea* Lindl — Wlprs Report I 336 no I a | 107 no 1 — *Th glabiata* Steud — Wlprs Report V 109 no 16
- 0 TH QUERCIFOLIA Ga\ - DC I t- Stecu 1 c 329 f — *Th hypoleuca* St^ud - Wlprs Report V 109 no 17
- 10 'TH SALYIAEFOLIA Hook m»s — Foilasso e gtnen exdudenda

5324/, LELTCOTHAMtfUS Lmdl.

C\Mpis Repeit I 336)

- 1 *L MONTANJS Lmdl — Wlprs Report 1 c no 1 — *Tk mauocarpa* Steud in Lehm Plant Preiss I 235 (et Hugel mss V Cf Wlprs Report I 336 no 7)
- 2 t POLYSPERMUS Tui 07 Bulletin de la soc imp des natural de Moscou XXII II pag 11 — Filamentis fertilibus stenlia superantibus loculis ovaru 5—7-ovulatw — Frutex pede TIX altior *Lcuc montano* simillimus, omnibus cbaractenbus cum hoc ge^ »ere convemens et vix separable propter ovaru loculos polyspermos. nam numeric ovulorum et in alns genenbus hujus tibus inconstans csse observatur Caulis pe "oil folia stipulae pedunculi brnctcolap et calyces pilis steltaus rufescentibus dense obsm t_{amen} in SUPerflcie suponon foliorum pili minus densi apparent Folia o\ata >asi truncaia vix sinu parvo subcordata obtusa grosse et obtuse mciso-dontala sub quiniuplmorvia Stipulae subrotundatae crenatae fofus multo minores Raceim oppositifoln 5-non flonbus non secundisJlfalyx profunde 5-partitus, lacimis connivontibus obtusis (expansus circitor 7 hn Xtus) intus glabns , nervo mediano basi latiore versus apicem evanescente et diviso Tubus stammeus brevissiraus annulari ^ubpentagonus Ovanum tubo stamineo semummersum stellato - tomentosum Filomenta fertilia basi dilatata filiformia glabra. stenlia membnmacea fere Imeana acutiuscula vel occumata superantn antherae incumbentes bam subcordatae o>ato-oblon- E*» rimifl laterahbns dehisotnus — Ihbitit in No\» Hollndia

5325. *ASIOPITALUM* Sm,

(DC. Prodr. I. 489. — Wlprs. Report. I. 336. V. 110.,

⁴ *ScgmeiUifi calydnis utrinque lomentosis.*

1. L. SIEBKRI Steetz in Lehm. Plant. Preiss. II. 338.f — Foliis ovato-lanceolatis sive ovatis cordatis. basi latioribus; calycis segmentis ex I us stellato-lomentosis, dorso ferrugineis, margine virescentibus; ovario albido-tomentoso sive glabriusculo mutico.
(§. *subtrilobum*: foliis basi subtrilobato - trilobis. — In Novae Hollandiae ora orientali.
2. L. RUBIGINOSUM Cunningh. in Fields Trav. ex Steetz. I. c. f — Foliis deltoideo - ovatis cordatis; cymis paucifloris; calycis segracantis cxius stellato-tomentosis fusco-brunneis; ovario tomentoso sordide albo mutico. — In Novae Hollandiae ora orientali.
** *Segmenti calydnis intus glabriusculi.*
3. L. UALIFOLIA Steetz. I. c. 339. f — Foliis linearilanceolatis, utrinque velutinis; cymis longe pedunculatis deflexis paucifloris; calycis segmentis nixtus stellato-pubescentibus acuminatis, intus interdum puberulis. — In Nova Hollandia.
4. L. DASYPHYLLUM Sieb. — Wlprs. Report. I. 337. no. 3. — Steetz. I. c. 341. f — *L. nutans* Hook. mas.
5. L. GUNNII Steetz. I. c. 342 f — Foliis ovato-oblongis obtusiusculis; cymis paucifloris; ovario tomentoso purpurascente mucronato 4-loculari, mucronulo albo-tomentoso. — In insula Van Diemen.

5326. *CORETHROSTYLIS* Endl.

(Wlprs. Rupert. V. 110, Annal. I. 106.)

1. L. CURDIFOLIA Steetz in Lehm. Plant. Preiss. II. 344. — *Lusioptalum cordifolium* Endl. — Wlprs. Report. I. 237. no. 2.

5327. *KJERAUDREYIA* Gay.

(DC. Prodr. I. 4W.)

1. K. MICROPHYLLA Steetz in Lehm. Plant. Preiss. II. 347. f — Foliis obovato-oblongis. supra glabris. subtus cano-tomentosis, margine crispato-sinuatis, apice obtusis; calycibus intus glabris, extus stellato-hirsutis; filamentis basi connatis; ovario junnicato. — In Nova Hollandia austro-occidentali.
2. K. INTEGRIFOLIA Slouder in Lehm. Pl. Preiss. I. 236. — Steetz I. c. f — Foliis obovato-oblongis, supra glabris venosis, subtus cano-lomentosis, margine integris, apice obtusis; calycibus intus glabris. extus stellato-hirsutis; filamentis basi connatis; ovario nixto hiraulo vel donso suriceo. — In Nova Hollandia austro-occidentali.
3. K. VELUTINA Steetz I. c. 348. f — Foliis oblongis, supra velutinis subaveniis, subtus cano-tomentosis, margine integris, apice obtusis; calycibus intus glabris, extus stellato-hirsutis; filamentis basi connatis; ovario summo apice hirsuto, — In Nova Hollandia austro-occidentali.
- *. K. HOOKERIANA Wlprs. mss. — Foliis oblongo-lanceolatis apiculatis, subtus panuoso-lomentosis. margine integris. COMH imrvlsiuo flumulosi. — *Kuruudrcniu inlogrifolia* Hook, in Mitchell. Journ. of tropic. Austral. 311. unnot. (nm: Studol). — Crescit in Australia orientali trojita.

5327*i*. *^ AROTKS* Lindl.

(Wlprs. Report. I. 337.)

- i. L. LEUIFOLIA Lindl. — Wlprs. I. c. - Steetz in Lehm. Plant. Preiss. II. 345. f — *Thmtuia pumila* Steud. — Wlprs. Report. V. 109. no. 11. — *P. latifolia*.
2. S. MICRANTHA Steetz I. c. 346. f — Sepalis folio multo brevioribus; bracteis liliiformibus; petalis basi hrevissioe unguiculatis; antheris erosiribus. — In Nova Hollandia austro-occidentali.

Tribus U. *Büttnerieae* DC.5328. *Rivina* R. Br.

(Wlprs. Repert. I. 337.)

I. *Eurulaigia: Pelalis basi cucullalis patentibus.*

- I. R. PANNOŒA B. Br. — Wlprs. I. c. no. 1. — Steeiz in Lehm. Pl. Præss. II. 351. + — Foliis dentato-serratis acuminatis, supra pilosis scabriusculis, subtus mollitor hispidualis pollidioribus, inferioribus ovalis, basi cordatis 3—5-lobis, superioribus ovato-lanceolatis, basi obtusis; petalorum ligula obtusa calyce brevior; capsulae setis elongatis sparse pilosis vel glabriusculis. — *Büttneria dasyphylla* Gay in DC. Prodr. I. 486. — *Büttneria inodora* Cay mss. — *Lasiopetalum tomentosum* Cols. — *Commersonia Fraseri* Sieb. mss. — In Novae Hollandiae ora orientali.
- ⚔ R. RUGOSA Stoezt J. c. 352. f —* Foliis oblongo-lanceolatis acutis, basi obtusis crenulatis, supra molliter hirsulis, sublus incanis dense villosis reticulato-venosis; petalorum ligula obtusa calyce brevior; capsulae setis elongatis rigide pilosis. — *Büttneria pannosa* DC. — In Novae Hollandiae ora orientali.
- 1. R. HERMANNIAKFOIA Steetz I. c. 353. — *Büttneria hermanniacfolia* Gay. — DC. I. c. 486. — *Commersonia hermanniacfolia* Kntli. Nov. gen. et sp. V. 311. adn.
- i. R. OBLONGIFOLIA Steetz I. c. f — Foliis linearilanceolatis, utrinque attenuatis obtusis repando-denticulatis, marginu recurvis, supra glaberrimis, subtus cano-tomentosis; cymac pedunculo folium subacquant; petalorum ligula obtusiuscula, segmentis calycinis acutiusculis brevior; capsulae setis brevissimis glabriusculis pilo stellato terminatis. — In Novae Hollandiae ora orientali.
5. R. CISTIFOLIA Cunningh. mss. ex Steetz I. c. 354. f — Foliis linearilanceolatis, utrinque alieniis obtusis repando-denticulatis, margine recurvis, supra pilosis scabiusculis, sublus pallidis inolliter villosis; cymac pedunculo folium longe superante; petalorum ligula obtusiuscula, segmentis calycinis obtusis brevior; capsulae setis brevissimis rigide pilosis. — In Novae Hollandiae ora orientali.
- *R. GRANDIFLORA Endl. — Wlprs. Repert. I. 337. no. 2. — Steetz in Lehm. I. c. 355. f — *Commersonia cinerea* Sieud. — Wlprs. Repert. V. 111. no. 3.
- *R. PARVIFLORA Endl. — Wlprs. Repert. I. 337. no. 5. — Steetz I. c. 356. f — *Lasiopetalum minus* Hort. — *Lasiopetalum prostratum* Hort. — *Thomasia dumosa* Hort. — *Thomasia prostrata* Hon.
3. §R. MALVAEFOLIA Steetz I. c. 356. f — *Commersonia cyathorum* Steud. — Wlprs. Repert. V. 111. no. 2.

II. *Saccophora: Petalis basi saccaUs et cells.*

- R. CORYLIFOLIA Grah. — Wlprs. Repert. I. 357. no. 4. — Steetz I. c. 358. + — *Commersonia Proissii* Sieud. — Wlprs. Repert. V. 110. no. i.

5328A. *Achillea* Turcz.

(Ullstein de la soc. imp. des natur. de Moscou XXII. Part, II, p. 90)

calyx profunde quinquelobus ubracloolatus. WeUa.5. J*cnils
 -alycinis aitarina triangulari, dorso corinali. basi cuneata, aptca in ligulum
 "ubujatam brevem producta, calyce minora. Stamina decem, filamentis
 iberis, quinque antheriferis, petalis oppositis, illommque basi adnatis
 °mpJanatis, 5 alternis majoribus anantheris ovato-lanceolatis. Antherae
 ^ubrotundae biloculares, longitudinifiter dehiscentes. Ovarium quinqueloculare, loculis biovulalis. Styli 5 filiformes breves stigmatibus cohaerentes. Capsula (immatura) echinata. ~ Genus *Rulingiae* in omnibus praeter stamina libera et semina forte estrophiolala affine, habitu peculiari gautlens fere *Achillearum* nonnullarum. Frutex ramosus pubescens: foliis fasciculatis, fasciculis inferne distantibus, superne praesertim in

iamis conleitis Folia breviter petiolata linear-oblonga obtusa pin-
natipartita, lacmus denlatis junionbus m\oluiis, dein subplanis, supra
bdis ngidis tecta, subtus setis confertis pilosa. Stipulae linean-
setaceae cadiuao pilosac Paniculae terminales confertae e racemi*
appioximatis composiLu Podicelli filiformes Calyces soidide albi
utiinque piiⁱ^ scllatis dense obtortj Filamcna anthenfera puberula
petala gobia acquantia stcnlia majora tomentosa ovani tomentosi
lonpitudnit loculoium OMIH unum incidum excrescit et caetens
duplo lnajus cvadit tune stjli latcialcs et o\ula multo majora fiunt, saepe
ftiam in OAaius jumoribus o\ula loculi unms, majora quam in caetens

1 A DLP^SIFI ORA Turcz 1 < p 10 f — Habitat in Nova Hollandia

Adnot Commrsoma pulchella el 6 cnspa pcipram ab auctore ad hoc genus re-
hia filament') ttuiln tanium r> habont ergo ad Ruhngias lepellendae el sectioni
Meetzianac Funthnqiae adnumcimdac etiamsi petala in priore omnino plana esse
videantui Ambao species nililominus noMe sunt et Rulmqia pulchella et ciispa no-
mnnndae

5331 Btj¹TTHnEBIA Loffl

Df Prodr I 48b [CKCI spec Australasic] — Wlprs Reprt I 338 II 796 \ 111 An-
nal I 107)

1 B REINWARDTII KrthU Ncdail kiuidk Archief 1848 I p 310 f — Scandens folia
oblongo-omta acuminata basi eordita quinquenema subtus furfuracea mlflorescen-
>a racemoisi florilius ronprpi?aii< — ficscit id moniom Pamatton insulae Borneo

¹iril)Ub 1H HERMANNJEA DC

533? MEL.OCHIA linn

(Di Piodr I 440 — Wlprs Reprt I 341 U 79b;

1 M DENSIFI OR\ Miqu Linnaci XXII 800 f — Caulibus molhter patenti-hirtis loins
hrevjter petiolatis ovitis \cl ovato-oblongis obtusis basi cordatis inaequahter sub-
duplicato-senato-dennii¹* utnnque pilis senceis apfkssis sub\illosis stipulis lan-
reolads scanosis ciliatis petioluin superanlibus flonbus axillanbus et termmalibus
dense fascicuhtis hiacteis lanceolatis vindibus hntis calvcis lobis lanceolatis acumi-
natis biitis tubo staminco !>cmiquinel)do glabio o\ano hirio stylis 5 glabns —
(icscit in nnsilno proMiicn Bahia

5338 RJBiiEIA \ent

(DC Piodi I 490 - Wlprs Repeit I 54J II 797 V IU Annal I 108;

- 1 R SPARSIFLORA Klotzscli mss — Caule rotundato lamoso, infenus glabro, supenus
pilosio fol/is ovatis anguste simplicilor - ^cl duplicato - serratis glabnuscusis, subtus
pallidionbus pctiohs pilosis stipulis lanceolatis ciliatis capsula giobosa pilosa duplo
longionbus — In sepibus prope Poe)ebant|e Surinam
- 2 R (MELOCHIA) (ONCINNV Miqu Lmmei \MI 467 f — faulo suffruticuloso erecto
parco ramoso ramisque fuscpscctibus puberculis peiolis stipulis bracteisque densius
birtclhs folns ovato-oblongis vel sublanccohtis acutis basi intcgerma subtruncatis.
dentato - serralis (senatuns tenemnic scriulalis), utnnque praesertim in nervis parce
pilosis racemulis roniractis axiUaiibus paucifolialis pauciflons breviter pedunculatis
bracteis bracteolisquo lineaiibus flore ter longionbus capsula depresso - globosa lo-
culicide et septiude dehiscentc semimbus fusco-maculalis — J\ (M) mehsvapfol¹
Bnth var Miqu — Crescit in Surinam
- 3 R (MELOCHIA) IIYPOLEUFA Miqu I c 468 f — Fiuticosa tola stellate-tomentelh
foliis modiro prtiohiis o>^tis obtusis \o\ nrniis diiplirnto->cl irntqunlitci serrato-

dentatis, subtuftr incanis \emsque utnnque 6—7 paiule orectis parallels pronunentibus Ljmis umbelliformibus axillanbus paucifloftb, sub anthesi petiolum vix superantibus, laljce qumquedentato tomentello, stylis 5 munculatis,, capsula ovata acuta pubescence locuhcide et septicide dehiscente. seminibus in locults solitarus sub^lobosis — Cres- ut in Surinam prope plamalionem la Prospcnit

Tnbus IV *DOMBEYACEAE* KNTH5346 *DOMBEYA* Lav.

(DC Prodr I 498 — Wlps Report I 349 II 797;

- 1 D NATALLNSIS Sondei, Linnaea XXIII 17 f — Ramis teictibus glabus fulii* lon^ petiolalis orbiculan - cordatis acutis» \el acuminaiis dentate sublobatis^e, junionbus pubescentibus flonbus racemoso - pamculatis pedunuili!» clongatis lenimsime pubescentibus, apice umbellatis, umbellis 2—b-radialis iinolutelli umlatcralis inpylh loliohs lineanbus alabastra oblonga acuta stdlato-tomcntosa acquantibus, calvce re- llexo, lacinus Inntcolatis* acuinmati» ptialis niaequil.ueii* scanosis persistennbus stamimbus 5 sclrilibus stylum apice 5-fldum aequantibus o\ano globoso tomentoso — In Piomonlono bonac spci ad Poit Nilal
- I D BRUCEANA A Rich Tent 11 Abyss I 77 — Folus longe pctiolatis cordalis acuminatis, maigine obtuse senatis piaesertini subtus ^tellato-pubentibus, scabeiu- lis stipuhs lanceohtl^ acutis lloiibus ppedicellatis in sertulo siraplici aut bifldo **avil-** lan pedunculato di*positis mvolucii tripb^lii ioliolis ovah-lanceolatis acutis, valdt caducis stjlo usque ad apiccm lanuginoso appendicibu:> stimmeis obtusis non glandulosus — \etoptalum Ihucci Hochst mss — Penlapetes Bruce Vo* V 84 t 20 — (^escit in montc belleuda nun piotul ab uibc Aduua in provincin (lioaa, et in moni< Scmajita non procul ab urhe Adoun in Yb\ssima
- J I> SCHIMPERIAN^ A Rich I t 78 I 19 — frohns longt prtiohtis cordalis aculi- utunquo stellnto-lomcniosis lnaigme subdinlaiis 9-nervns stipulis ovahbus mem- luanaceis, apice longe acuminatis llonbus inajoribub pedicllatis, in cjraa dichotoma •lensa longe pedunculala axillan dispositis mvolucii decului foliolis ovali-oblongs tcutis, appendicibus stammeis longionbus glandulosus sulo basi hnsuto apice gla- hriusculo — Xeiopetalum hirwtum Hochst mss — frescit ad latPia montis Ab>i prope Adesela in piovincia Semiene in Abvssimn

5348. *MKliHALiriA totsk*

(DC Prodi I 499 - Wlprs Report I 349 II 798, Annal I 109)

- 1 'M LEPRIEURII h Webb in Hook Nigei Flora 110 f tab 4 fit 5 — Broiera Le- . pneurn Guill ft Perr — Wlprs Report I 349 no 1 - Hook Ic plant I 753-755
- 4 * LINEARIFOLIA Sonder. Linnaca XXIII 18 f — Caule erectio. folns hnearibus mte- gerrimis, apice obtuso denticulatis, superne senceo-pilosulis, mferae oano-velutinis subrufescentibus, pedicelhs axillanbus apice biflons petiolo 3—4-plo longionbus mvolucelh tnphylli foliolis late coidatis cuspidato - acuminatis — Port Natal.
- 3 » ABYSSINICA A. Rich Tent a Abyss I 76 t 18. — Tola clnereo-tomentosa •amis erectis teretibus folus petiolalis oblongis ovalibus, apice basique obtusis, mar- gme crenatis ct versus pattern mfenorem obsolete subtnlobis, supremis sublanceo- lallis ticutis, stipulis lanceola'o-hneanbus. pedunculis axillanbus solitanis petiolo sae- pms longionbus, apice bilurcatis et biflornd involucri foliolis lanccolato-lmeanbus, 'olvcis sepals ovali-lanceolatis acutis. capsula subglobosa 5-loculan loculicida, se- ninibus numerosis punctato-tuberculaiis. — Crescit circa Aderbati m con\alle fluvn Laccazd in Abyssinia
- " PERRUGINEA A Rich I c — Tola fei rugmeo - touientosa taule erecto bipedah parce ramoso folus petiolalis o\ali-oblongis obtusis maigine seiratis, utnnque de^{nse} tomentosis, praesertim subtus in neim fennginds petiolo pollican tereti fer-

rugineo-tomentoso: stipulis lineari-subulatis; pedunculo axillari tæreti tomentoso 2-3-unciali, apice 3-floro. Aoribus pedicellatis; calycult triphylli foliolis unilatera- libus late ovalibus, apice longe acuminatis; sepalis lanceolatis acutis; capsula ovata tomentoso, locuiis 10-spermis; seminibus subquadrato-cuneatis tuberculatis. — Crescit circa Aderbati in convalle fluvii Taccaze* in Abyssinia.

5349. ASTRAPAEA Lindl.

(DC. Prodr. I. 500. - Wlprs. Ropen. I. 350.)

- I. A. VISCOSA Sweet mss. in Hook. Bot. Magaz. tab. 4544. f — Paxt. ft Lindl. Flow. gard. I. 189. fig. 118. — Arborea: ramulis viscosissimiiis; foliis cordato-rotundatis 3—5-an- gulato-lobatis serratis, lobis acuminatis; stipulis cordatis acutissimis; pedunculis axillaribus subterminalibus solitariis, supra medium bibrnclealis; involucri communi obsoleto; bracteis cordatis concavo-enrinatis, pediculis lobisque calycinis ovatis extus hirsutis; petalis patentibus; staminum tubo urceolato, (filamentis sjerilibus elongatis. antheris 15. — *Dombeya Ameliac* Guill. Arch. d. bot. 1.367. — Van Houito, Flore des serres V!. 225. tab. 605. — Madagascar.

5352. PTEROSPERMOI Schreb.

(DC. Prodr. I. 500. — Wlprs. Repert. I. 350. V. 114.)

1. PT. BLUMEANUM Krihls. Nederlandschi kruidkundig Archief I. pag. 311.—Folia ovni.1. breviter ncuinata, basi subcordatn obtusiusculave, inaequalia, supra glabra, sublus incano- vel rufescenti-tomentosa; ovarium ovalum pilosum, — *IH. lanceaefolium* Rombr. — Crescit in insulis Sumatra et Java.
2. PT. DIYKRSIFOLIUM Blmc. 1. cit. pag. 312. — Folia oblonga, supernc laliora. trun- cala sinuata acuminatu obliqua cordata, sublus canescenlia; capsula ovato-oblonga pentagona lepidioia. — Crescit ad litlus australe insulae Javac.
3. PT. ELONGATUM Krtbls. 1. cit. pag. 312.—Folia oblongo-ovalia obliqua, breviter ncu- minata, basi rotundata aut subcordata, subtus rufo-tomentosa; capsula oblonga pen- tagona glabra. — Crescit ad ripas fluminis Banjormassing* insulae Borneo.
4. PT. FUSCUM Krlhls. 1. cit. pag. 312. — Folia ovato-oblonga acuta, basi inaequa- liter cordata, sublus fusco-tomentosa; capsula, quinquangulata, dense furfurnoo- tomentosa. — Crescit ad ripas prope Danjcrmassing in insula Borneo.

5353A SCHOLTEIVIA Krthls.

(Krtbls. Nederlandsch kruidkundig Archief I. pag. 312.)

Calyx pentasepalus, sepala persistentia excrecentia. Stamina multa submonadelpha, antherae basi affixae. Ovarium globosum. Stylus brevis. Stigma trilobum. Fructus trilocularis, locuiis trispermis. Semina basi angulis internis affixa.

1. SCH. OVATA Krthls. 1. cit. pag. 313. — Folia trinervia ovalia, apice simiato-dentiflW acuminata, basi obliqua; racemi axillares. — Crescit in paludosis Krawang insulae Javac.

t Genera ex ordine expellenda.

- FLEISCHERIA Steudel. (Wlprs. Repert. V. 110-) ad MALVACEAS relata esl.
LACHNOSTYLIS Turcz. (Wlprs. Annal. I. 109.) EUPHORBIACEIS adscribenda orit.

Ordo XXIX. TILIACEAE Endl

(Wlprs. Reperit. I. 352. II. 798. V. 115. Annal. I. 110. ft 959. — *Tiliaceae* ei *Elaeocarpeae* Jus9. — DC. Prodr. I. 503. ft 519.)

Subordol. TIZtlACEAE FJEULAJEJ fiRdi.

5369. SPAMMAmn\ Thnbg.

(DC. Prodr. I. 503. — WJprs. Ropert. I. 353, Anna). I. 110.)

- i. SI¹. ABYSSINICA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 79, lab. 20. — Foliis longe petiolatis palmato-3—5-partitis, praeserlim subtus pilosis, taciniis lanceolatis elongatis longe acutis inciso-dentatis tanui-membranaceis; stipula linearilanceolatis ncutissimis; floribus purpurascensibus jkedicellatis sertulais, sertub pedunculate 8—12-floro oppositifolio; involucro e bracteis loearUlanceolatis tftcutissimi* constant*; petalia subspatulatis, znargiae undulatis; capsulis ovali-acutis ebinatis 4-locularibus, loculicide 4-valvibus, loculis poljuperinij. — CresU io valla fluvii Mareui, et inter Entchetcab et Schoata ia provincia Semiene Abyssiniae.

5371. €#BCIE#RUg Lim.

(DC. Prodr. I. 504. - Wlprs. Reperit. I. 354. II. 799. V. 117, Aonal.I. 110.)

1. C QUINQUENEVIS Hochst. ass. ex A. Rich. Tent. fl. Abyss. I. 80. — Ceule herbaceo pedali subsimplici tereti piloao; foliis petioiatis ovalibus aut ellipticia, tenui-neo^branceis acutis, margine serratis, a basi 3—5-ncrviis, vix pilosis, stipidis lineari-setaceis pilosis; capsulis teretibus aut subtriquetris, apice acuminatis, pilosis, viz uncUm longa ragfQlosis trilocolanbus; seminibus triquetris subtuberculatis. — Crescit in valla fluvii Tacoai6, sub umbra arborum in rupibus in Abyssinia.
- *. C. ITORICATDS Hochst. mss. tx A. Rich. I. c. 81^ — Annuus: caule erecto ramoso pedali, tinea pitosa unitaierfili notato; foliis eHiptico-lanceolulis, basi apiceque obtusis, triserriis y|t pilosktsculis, marylne grosse serratis, stipulis lineaiibus acutissimis; florito* vinimk, soepius binis extraazaribus, brevissime pediceltatis; capsulis brevibus orcuatia obtuse Irfquetrs. torulosis et in angulis lineis duabus longftudnalibus muri-Jj<W>serratis notatis, a-locuiaribus, 3-valvibus. — Cresoit prope Gafta miotriiwaie Tltf* inter segetes in Abyssinia.

5372. TBUJMFETTA Plum,

^C Prodr. I. 506. - Wlprs. Reperit. I. 8». II. 796. V. 117, Aanrt* T. MO.)

1. TR. LAVESCENS Hochst. mss. ex A. Rich. Tent. fl. Abyss. LA - Frotescens: foliis petiolaiis late ovalibus aut suborbicularibus acatis. basj trunoatis aut subemarginatis. 5—7-ner?iis, praesariim sttbiut appresse toinentosia. marglna inciso-dentatis; floribus tomentosis icosandris; petalis cuneatis glabris, seosim in unguem ciliolatum attenuatis, apice obtusissimis, urceolo intra petlla membranaceo cUiolato; fructibus parvulia oblongis ebinatis villosis (echinb brevibus snperne incurvis) bi- aut unilocularibus indehiscentibO9, aliquando monospermis. — *Tr. monoica* Hochst. ftStaud. mas.— Crescit in mpestrUxts vaHhim pf ovinacia Mda prope Adeganna in Abyssinia.
2. TR. TRICHOCARPA Hochst. mss. ex A. Rich. I. c. 84. — Annua parvula: caule, ramis petiolisque linea pilosa unilateral! notatis; foliis longe petioiatis membranaceis, ovafi- II.

bus am ellipticis, grosse serratis 3—5-nerviis pilosiusculis; pedunculis 3-floris; fructibus globosis, 4-locularibus. 4-ventribus aculeatis, aculeis longis, dense et longe setosis. — Crescit prope Gafia in provincia Tigre Abyssiniae.

9. TR. CUNEATA Hochst. mss. A. Rich. 1. c. — Herbacea annua: foliis petiolatis suborbiculatis, apice acuminatis aut subtrilobis, margine serratis, basi subcuneatis, saepius 5-nerviis, stellato-pilosis; floribus parvulis axillaribus; petalis oblongo-linearibus obtusis; fructibus globosis pamilis albedo-lanuginosis echinatis, echini apice uncinatis. — Crescit in provincia Chire in rupibus vallis Maye - Mezano prope Tchelatche-kame" et in viciis provinciae Meza in Abyssinia.
4. TR. ERIOPMELIA Hook. Hb. Niger Flora p. 235. — Caule erecto ramoso laxo patentim piloso villosiusculo; foliis petiolatis deflexis, superioribus lanceolatis, inferioribus late ovatis subtrilobis, omnibus acuminatis, basi rotundatis, ad petiolum cordatis subgrosse irregulariter dentatis, utrinque birsutis pilis patulis, nervis subtus dense albo-lanatis; Utriusque mediocribus axillaribus pedicellatis subracemosis; sepalis, longe acuminatis; staminibus 10; ovario hispido; capsula immatura lanata setisque uncinatis tecta. — Petioli 5-unc. longi. Folia 2 1/2 - pollicaria submembranacea, pilis patulis fulvis vestita. — Crescit in insula Fernando Po.
3. TR. ? W. J. Hooker/1. c. 236. — Caulis lignosus ramosus, pilis patulis stellatis velutino-pubescentibus; folia breviter petiolata, petiolo 5-unc. longo, linearibus, basi lata, ad petiolum cordata, utrinque dense velutino-tomentosa, coriacea triloba, inaequaliter serrata, segmentis infimis glandulosis; capsula immatura uncinato-setosa, inter setas pubescens, malura globosa puberula, breviter setosa, 3—5-cocca, coccis monospermis; seminibus majusculis. — Sierra Leone.
- ii. TR. TRICHOCALYPSA Sonder, Linnæa XXIII. 19. f — Fruticosa, pilis stellatis vestita: ramis teretibus scabris; foliis alternis brevissime petiolatis oblongis vel ovato-oblongis obtusiusculis, basi acutis trinerviis dentatis, utrinque velutino-pubescentibus; pedunculis axillaribus solitariis subtrifloris, in apice ramuli subcymoso-aggregatis; sepalis linearibus, apice fornicatis, dorso cornutis; petalis oblongis, basi angustatis; ovario biloculari; capsula setosa, setis longissimis cecis patentim pilosis. — In Promontorio bonae spei (Makalisberg).
7. TR. SINUOSA Miqu. Linnæa XXII. 466. + — Stellato-tomentella: foliis lato-vel obovato-rotundatis, inaequaliter dentato-serratis, dentibus infimis glandulosis, supra molliter pubescentibus? subtus tomentellis incanis, apice abrupte trilobis lateribusque luagis minusve sinuatis subquinelobis, aliis obtuse angulatis, summis ellipticis vel denique sub lanceolatis; stipulis caducis; floribus axillaribus fasciculatis, breviter pedunculatis vel sessilibus, vel et racemos foliatis sistentibus; sepalis linearibus acutatis stellato-puberulis quam stamina longioribus. — Crescit in Surinam.
8. TR. HOSTMANNI Miqu. 1. c. f — Stellato-puberula: foliis longe petiolatis ovatis acuminatis duplicato-serratis, serraturis infimis glandulosis, floralibus multo minoribus ellipticis membranaceis quinquonerviis, supra sparse, subtus praesertim super nervos petiolisque ramisque densius pubescentibus; floribus axillaribus fasciculatis breviter pedunculatis vel in racemos foliatis collectis; sepalis linearibus mucronato-acutis pilis stellatis sparsis. — Crescit in Surinam.

5374/x. (6887.) HEPTACA Lour.

(Loureiro, Flor. Cochinch. 807.)

- i. H. (?) LATIFOLIA Oardn. f. Champ, in Hook. Kew gard. misc. I. 245. f — Foliis late ovatis vel subrotundatis acutis vel subacuminatis, basi rotundatis vel subcordatis, margine minute demiculatis, supra glabris, subtus stellato-tomentosis; cymis axillaribus folio brevioribus multifloris; floribus compactis; petalis quinque. — Crescit in Hong-Kong.

5375. CHRISTIANA DC.)

(DC. Prodr. I. 516.)

- i. CHR. CORDIFOLIA, Hook fl. Niger Flora p. 238. — Foliis petiolatis oblongo-ovati* obtusis, basi cordalis quioquenerviis ^ supra glabmimis, subtus molliter ferruffineo-pubescentibus obsolete trilobis integerrimis; corjumbo trniinali; pedunculis pedicellfc-que velutino-pubescentibus; calyce trilobo persistente; carpellis 2—4 brovissime \$t- pitatis subglobosis verutino - toiqentosis uoilocularibus bivalvibus monospermis. — Arbor excelsa. — In,Nigritia.

5376. CtREWIA Juss.

(DC. Prodr, I. 506. — Wlprs. Repert. I. 360. II. 799. V. 119.)

1. GR. CINEREA A. Rich. Tent. fl. Abyss. I. 86. — Foliis elliptico - oblongis acutis, **bas** obtusis inaequilateris, 3-nerviis, margine subserratis, dentibus incrassatis, utrinque cinereo-tomentosis, subtus pallidioribus, 2—2^f/i uncias longis. 8—12 lineas latis. floribus...; fructibus globosis aut didymis pilosiusculis pisiforraibus pediccllatis; pedunculis pedicellis-que petiolo multo longioribus tuberculatis glabriusculis; nuce ossoa 4-loculari. — Crescit prope Tchelatckehanne non procul a valle fluvii Taccaze in Abyssinia.
2. GR. CANESCENS A. Rich. 1. c. — Foliis obovali-oblongis, acutis aut subobtusis, basi rotundatis, inaequilateris imerviis, margine subdemiculaio-crenatis, utrinque nldo-tomentosis, concoloribus, unciam aut sesquiunciam longis, 6—8lihas latis; pedunculis petiolo longioribus, apice J>i—trifurcatjs, albido-tomentoais; fructibua pisiformibus globosis pilosis; nuce 4-loculari. — Crescit in Abyssiniae provincia Ghire et inter Massouah et Adoua in locis montosis.
3. GR. FERRUGINEA Hochst. mss. ex A. Rich. 1. c. 87. — Maxime varia: foliis petiolatis Mlipticis, obovalibus, acuminatis, basi obtusis, saepius raagnis, 3—4 uncias longis, 2 uncias latis, rarius diroidio et infra minoribus, margine obsolete dentato - serratis, praesertim subtus suhferrugineis, pilis stellatis, 3-nerviis; pedunculis axillaribus terminalibus-que, sericeo-tomentoajs ferrugineis, 3—multifloris; sepalis linearibus, tomentosis; petalis lanceolatis acutis, calycem aequantibus; fructibus 2—4-pyrenis caraoiis glabris. — Crescit circa Adoua (prov. Tigre), in provincia Chire et in caeteris Abyssuiae partibus.
4. GR. PETITIANA A. Rich. 1. c. 89. — Foliis ellipticis, acuminatis, basi o]>tusis, saepius inaequilateris, margine inaequaliter dentato-sfrtratis trinerviis, superne subrugoso-punctatls, subtus- griseo-tomentosis, sesquipollicem aui vix 2 pollices longis, pollicem latis; pednnculis 2—3 axillaribus trifurcatitt, appresso tomentosis, stipite glabro, apice 'dense^ciUaio; petalis oblongo-lanceolalis, apice integris*; antheris glabris; fructibus globosig. junioribus pilosis, senioribus punclatis. — Crescit in Abyssiniae pro-vincia ~~Umdonaria~~.
5. GR. TRICqoCARPA Hochstett. mss. ox A. Rich. I. c. - Foliis obovalibus aut ellipticis acuminatis, dentato-serraiis. 2—2% uncias longis, vix unciam latis, ba«\ irlner-viis,>«uperne punctatis. subtus pilosiusculis, pilis appreaais ajellatis; pedunouls axilla-Hbus solltariis 1—2-noris, pediccllis gemiais; sepalisTloear&us; peialte obovali-oblongis. calyce paulisper brevioribua, apice emarginatis. uoguicujatia, unguelanato; ««pite oblongato glabro; fruclibus globosis pisiformlbas. **aetls** longiusculis erectis ct Pilis stellatis conspersis. — Crescit prope Gafta in AJ»yssiniae provincia Tigre".
6. GR. MEMBRANACEA A. Rich. L c. 90. — Foliis longlusuule petiolatis, ovalibus aut ellipticis acutis. basi obtusis. aequaliteris, margine denticulatis, 3-nerviis. tenui-membranaceis, praesertim subtus pubentibus, I¹/* ad 2¹/* uncias longis, unciam .ad sesqui-unciam latis; pedunculis axillaribus, petiolo longioribus. apice 2—3-Qoris, pedicellis

^r ^ Nec CHRISTANNIA DC. (Repert. I. 360.), quoe est *Biracearum* genus, auctore

- pilosis, pedunculum aequantibus; sepalis lanceolatis acutis, externe subtrinerviis; petalis obovali-oblongis obtusis, basi glabris, calyce paulo brevioribus; carpellis parvulis globosis solitariis, geminis quaternisve ex eodem flore, pilosiusculis. — Crescit in Abyssinia provinces Chiro", Choho.
- 7 GR. HETEROPIIYLLA A. Rich. 1. c. — Foliis parvulis, figura maxime variis, oblongo-obovalibus obtusissimis aut suborbicularibus aut ellipticis obtusis, rarius acutis, margine denticulatis. cinereo-tomentosis, subtus pallidioribus, vix unam unciam longis aut dimidio minoribus; floribus___; fructibus longe pedunculatis, pedunculo 3-floris, pedicellis fere unciam longis: fructibus globosis vix pilosis, solitariis aut geminis. — Crescit prope Tche'latche'kane' in Abyssinia provincia Chird.
8. GR. PARVIFOLIA Hochst. mas. A. Rich. I. c. 91. — Foliis petiolatis parvulis ovalibus aut ellipticis. basi obtusis, apice acutis aut subobtusis, margine dentato-serratis, subtus patentim villosis; petalis villosis. sacpius apice trilobis; floribus pedicellatis; sepalis oblongis subspathulatis acutis; petalis oblongis obtusis, viz calyce brevioribus; gynophoro apice setoso; carpellis 4 globosis glabris parvulis. — Crescit in Abyssinia montibus inter Massouah et Adoua.
9. GR. CANA Sonder, Linnaea XXIII. 20. f — Ramulis. foliis calycibusque caeco-tomentosis; foliis brevissime petiolatis oblongis vel lineari-oblongis obtusis crebre serrulato-dentatis, basi trinerviis; pedunculis solitariis unifloris; sepalis sub-3-nerviis petala oblonga superantibus; ovano dense villosa; drupa didyma depresso-globosa subpilosa. — In Promontorio bonae spei (Makalisberg).
10. GR. MONTICOLA Sonder 1. c. f — Ramulis rufo-tomentosis stellato-tomentosis; foliis brevissime petiolatis ovatis acutis inaequaliter serratis, basi semicordatis trinerviis rufo-tomentosis, supra rugulosis mollibus, subtus albo-tomentosis; pedunculis 1—3 axillaribus 2—3-floris calycibusque rufo-pubescentibus; sepalis oblongo-linearibus, petalis oblonga superantibus; drupa globosa crustata munda glabra diphyrena. — In Promontorio bonae spei (cum praecedente).

5376A. CULYPHAEA Hook. fil.

{Wlprs. Ann. bot. syst. I. 110.)

1. *Gl. GREWOLDES Hook. 01. — Wlprs. 1. c. lit. — Hook. Niger Flora 238. f tab. ». — *Grewia laleriflora* G. Don. — Wlprs. Report. II. 800. no. 5.

5376B. OMPHACABPITS Krthls.

(Krthls. in Flora [B. Z.] XXXI. 580.)

Calyx hypogynus pentasepalus, sepalis linearibus, intus coloratis, aestivatione valvatis, apice induplicatis. Corolla pentapetala, petalis hypogynis, calyce multo brevioribus, basi intus glandula instructis. Stamina numerosa in apice dilatato stipitis inserta, filamenta filiformia libera; antherae basi affixae, longitudinaliter dehiscentes. Germeo in apice stipitis insertum bi-triloculare; gemmulae geminae ternae in loculi axi superimpositae ascendentes; stylus simplex; stigma truncatum. Fructus baccatus abortu unilocularis monospermus; sarcocarpio fibroso cucurbitacino; semine solitario; spermodermis membranacea. Embryo circumscissus; cotyledones planae foliaceae. — Arbusculae: pubes stellata cylindrica, cotyledonibus planis foliaceis. — Arbusculae: pubes stellata folia alterna integerrima, stipulae geminae, flores axillares vel terminales paniculati umbellulati, umbellulis involucriatis.

1. 0. OPACUS Krthls. Flora (B. Z.) XXXI. 580. — Verhandling. over de natural. Geschiede. 1. « + ~" Foliis oblongo-ovalibus breviter acuminatis; stipulis lineari-lanceolatis; fructibus obovoideis opacis. — Crescit in Borneo.
7. 0. HIRSUTUS Krthls. 1. c. p. 580. ft Verhandling. 192. t tab. 42. - Foliis ovalibus vel ovatis; stipulis tripartitis; fructibus obovatis hirsutis. — In insula Borneo.

3. O. AFRIGANUS Hook. III. Niger Flora p. 237. — Ramulis puberulis; foliis bmktr petio*
 latis ovatis acumioatis, super glaberrimis nitidis. aubtus puberillu Kuegerrimis Tel ob-
 solete serrafu; fructibus oblique ohevato-cunealis «ompratsis. — Frutex majutculus.
 Hami teretes. cortioe atro. ramulia fusco - pubescentibus. tiscosis? FoHa 2 unc. looga
 subcoriacea. Flores panicuiaU, Fruotus % unc. loagus, -* Crescit in Sierra Leooe.

Subordo II. **ELAEOCARPEAE Juss.')**

5384. ELAEOCARPUS Linn.

(DC. Prodr. I. 519. - Wlprs. Report. I. 363. II. 800. V. ftO, Annal. I. 112. & 959.)

- 1 E. OBLONGUS Wall. Gatal. no. 2678. — C. Müller (Berolinensis). Adnot. cfe iamil. Elaeo-
 carp. p. 19. f fig. 30. — Foliis ovatis v. ovato - oblongis leviter sinuatis v. remote
 crenetis membranaceis; sepalls 5 acute lanceolatis gtabralis; petalis usque ad tertiam
 v. dimidiam partem lobatfs lobisque singulis irregulariter flmbriatis; antheris valvulis
 sobaequalibus, altera pilis nonnullis coronata, altera laevi; ovario triloculari; nucu-
 laneo osseo, autuns tribus perspicue notato. — In India oriental! (Penang).
1. B. FOLYSTAGHYUS Wall. Gatal. no. 2671. — G. MQUer (Berolinensis) 1. c. 50.+ fig. 43.
 15. — Foliis longe pefiolatis oblongo-elliptScfs, basi rotundatis, remote obsolete ser-
 ratis subcoriaceis; racemis densifloris; floribus resuplnatis; petalis 4 aploe patrllflum
 irregulariter dentatis tamquam erosis; staminibus 40—50. antheris piUwtascuiis;
 orario subgloboso, pilis strigulosis obsito; fructu drttpaceo habitu parvae olirae seu
 baccae viniferae paullulum elongatae; testa lffevl alldn. — In India oriemaif.
- r E. OVALIFOLIUS Wall. Gatal. no. 2655b.— G. Moller (Berolinens.) 1. e. 21. + 4g. 20.
 31. — Foliis late lanceolatis-oblongis remote serratis. In axillls brevfter tometitosis;
 racemis longissimis multifloris; pjetalis sepalorum longitudinem paullo superantibus
 3—4-lobatis lobisque multifldo-flmbriatis; staminibus 20 v. paucioribus, antheris
 pilis nonnullis sparsis obsitis; ovario 4-loculan. — In India oriental! (Sillet).
- i. E. LEPTOSTACHYUS Wall. Catal/no. 2672. - C. Müller (Berolinensis) I. c. 23. t fig-
 5. ft 21. — Foliis ovato-oblongis perspicue serrato-crenais; racemis longissimis
 spfcaeformibus subsecundis, undique ferrugineo-tomentoso - pubescentibus; petalis
 basi aiienuatis pilosis, opice lobatis et profunde incisus v, flmbriatis; ovario disco insi-
 dente subgloboso triloculari. — In Iadia oimalah (Peoang).
- * E. PARVIFOLIUS Wall. Gatal. no. 2662. — C. Muller (Berolinensis) 1. c. 24. + fig. 4.
 14. 18.19. 28. — Foliis novellis sericto-vHiosis, adultis glabratls lanceolato-oblongis
 oreaulatif membranaceis, basi euneatun attenuati»; racemis brevibus; floribov minlmU
 l-^iinearibus; ^epalis acute lanceolatis; petalis calyceno supennMibus.'iipioe r«gula-
 *i)*r JMi«is\ deRtibus «outis usque ad tertiam fere petti! partem p«rrig*niifaus; fimctus
 nucamentaceo. — 1B India ofiantali (SingDpore, P«nang).

5364/., ÄJyt9TJBIJTUffilfIA GarOn.

(Garda.^N in M'CAelland's Calcutta journ. of nat, titu. Tt «W. MJt 4J

f/ores berroaphrodit. Calyx bibracteotws f^MpvIMtt, folwlis
 ovati4subaequafii>us, aestiTffione varvatis, per>wton«lM»- Corolta« petala
 quatuo^hypogyiMi, aetivalaoiie imbricate e«Deate,«iibregtfarrter lacimata.
 lamina circiter 30. hypogyna; filamenta fliformia glabra; antherae
 fii'cctae cordato - oblongae obtusae biloculares, longitudinaliter d^hiscen-

*) Adnotationes quaedam de familia Elaeocarpeacearum specierumque nonnullorum
 generum et Elaeocarporum et Monocerarum descriptiones secundum specimina ex her-
 bario Wallichiano sumpta. Diss. inaugur. bot. quae auct. ampliss. philos. ord. in univ.
 Fried.-Guil. ad summ. in phil. honor. capessend. d. XXIII. m. Jul. MDCCCLIX. publ.
 defend. auctor Carol. Müller, Berolinensis, Berolin. 8. p. 41. c. tab. lithogr.

tes. Ovarium sessile triloculare; ovula in loculis 2, pendula. Stylus simplex persistens; stigma capitato-subtrilobato. Bacca siccamembranacea ovata glabra trilocularis indehiscens, loculis monospermis. Semina pendula compressa glabra; embryo in axi albuminis carnosus orthotropus; cotyledonibus planis ellipticis venosis, radícula tereti eiongata crassa snpera. — Arbor parva ramosa Zeylanica: foliis oppositis petiolatis ovato-ellipticis acuminatis integris; stipulis deciduis; pedunculis axillaribus unifloris, solitariis vel binis, petalis glabris albis.

1. A. ZEYLANICA Gardn. 1. c. 34\$. f tab. 4—In insula Zeylania.

5385. MOTFOCERA W. Jack.

(Wlprs. Repert. I. 364, Annal. I. 112.)

1. M. GRIFFITHII Wght. - Wlprs. Repert. I. 365. no. 8.— C. Müller (Berolinensis), Adnotat. de famil. Elaeocarp. 12. f flg. 6. 25. 33. 34,— Foliis lanceolato-oblongis obsolete crenatis coriaceis; racemis longissimis longifloris (?1); petalis fere integris tanturaque" apice leviter dentatis; staminibus circa 50; antheris undique praesertim in apice villis longis obsitis, valvula antherarum altera exteriori apice in tubum laevem continuata, tubo angulum fere rectum cum anthera efformante; ovario pluriloculari. — *Elaeocarpus paniculata* Wall. Gatal. no. 2663. — In India orientali.
2. M. INTEGRA C. Müller (Berolinensis) 1. c. 14. + fig. 8. 29.— Foliis membranaceis oblongis integerrimis; racemis floralibus in foliorum plerumque axillis dense conferlis laxifloris; sepalis 5 late lanceolatis; petalis apice leviter fimbriatis; staminibus 20—30 asperitatibus microscopicis undique obsitis; valvula antherarum altera exteriori in Plum v. aristam longe producta; ovario biloculari. — *Elaeocarpus integer* Wall. Gatal. no. 2668. — In India orientali (Sillet).
3. M. PRUNIFOLIA C. Müller (Berolinensis) 1. c. 15. + Qg. 10. 11. 16. — Foliis obliquis oblongo-lanceolatis plerumque falciforme recurvatis, utrinque opacis glabris cinereo-viridescens; racemis laxifloris; petalis fere integris, apice leviter tantum fimbriatis; valvula antherarum altera exteriori prolongatione cuculliformi magis minusve producta; ovario bi- v. triloculari. — *Elaeocarpus prunifolius* Wall. Catal. no. 2669. — In India orientali.

5387. FRIESIA 46'.

(DC. Prodr. I. 520. — Wlprs. Repert V. 121.)

1. FR. CHINENSIS Gardn. Be Champ, in Hook. Kew gard. misc. I. 243.+ — pjoica: foliis alternis longe petiolatis oblongo-lanceolatis vel oblongis acuminatis, basi acutis serrato-dentatis, serraturis incurvo-apiculatis, subtus resinoso-punctatis; racemis simplicibus lateralibus 6—12-floris; pedicellis calycibusque pubescenti-hirtis; stigmate trilobo. — Folia 3—4 poll, longa, 9—12 lin. lata reticulato-venosa, stipulae deciduae 1V₉ lin. longae. Flores in racemos erecto-patentes dispositi, calyx profunde quadripartitus, foliolis linearibus acutis, extus pubescenti-hirtis 2 lin. longis, petala 4 cuneata, apice obtuse 3—5-dentata, utrinque puberula albida, calyce vix distincto discus glandulosus hirtus, stamina 7, filamenta brevissima, antherae erectae tetragonae muticae puberulae biloculares, apice rima transversa bivalves, ovaria abortiva, styli parvus apice obscure trilobus. — In insula Chinensi Hongkong.

Ordo XXX^b. ANCISTROCLADEAE *Planchon.*

(Planchon, Ann. des scienc. natur. [Ser. III] Vol. XIII. p. 316.)

Flores hermaphroditi regulares. Calyx accrescens, tubo cum ovario concreto, laciniis quinque inaequalibus, aestivatione imbricatis. Petala quinque, laciniis calycinis alterna et iis paulo longiora, aestivatione leviter contorta. Stamina 1Q (5, in specie unica), uniseriata, alternis 5 paulo longioribus, filamentis brevibus ima basi in anulum confluentibus, antheris basifixis, connectivi productione brevissime apiculatis, bilocularibus, loculis rima verticali introrsum dehiscentibus. Ovarium calyci adnatum, cito post anthesin uniloculare (an revera antea triloculare?); ovulum unicum funiculo brevi imo loculo affixum, facie concava loculi fundum spectans, mox superficie accreta rugoso-lobatum; stylus supra basin conicam in crura tria obcuneata, apice retuso stigmatica divisus. Nux. laciniis calycinis foliaceo-accretis inaequalibus coronata, obconica, styli basi persistente mucronata, unilocularis monosperma. Semen subglobosum, alte corrugato-rurainatum, versus loculi basin affixura, integumento membranaceo simplici, albumine farinoso, embryonis carnosii fungiformis radícula cylindrica longiuscula, oblique descendente, massa cotyledonari (an cotyledones 2 talde divergentes?) disciformi, margine sinuata indivisa, plumula inconspicua. *— Frutices Asiae tropicae, alte scandentes. Ramuli unciferi (uncis e parte revera terminali, sed specie laterali, ramulorum efformatis). Folia alterna, breviter petiolata, hinc inde plura approximata, spatii nudis longiusculis interjectis, magis minusve ampla integerrima coriacea, saepius glaberrima, lucida penninervia, saepius reticulato- et subfavoso-nervulosa. Stipulae 0. Paniculae terminales vel secus ramum unciferum secundae, dichotome divisae, ramis divaricato-incurvis, extremis tantum laxe floriferis, caeteris nudis, bracteas 1—2 (situ variou) squamiformes adpressas scariosas, dorso gibbo 2—3-foveolatas gerentibus. Flores ob pedicellos basi articulatos facile caduci, quam fructus aliferi multo minus conspicui.

I. AISTGISTHOCIABUS *Wallich.*

(Character generis idem ac ordinis, ex analysi flor. et fruct. *Anc. extensi* elioium. — *Ancutroolafau* WaU. mss. in herb. Ind. orient.—Arnott. PugT 'pU Ind. orient, no. 15 in Nov. ^{aci*} ac «d- nat. cur. XVUL l.a. — *Bigamea* Endl. Gen. no. «M». — *Warmia* Vahl, in Scriptr of natur. historic Selskabet, non Rottb.)

^x A. VAULII Arnott, mss. ex Planchon l. c. 317. — Foliis oblongis utrinque angustatis, margine revolutis coriaceis. supra impresso-punctatis (punctis concoloribus); paniculae brevis ramis gracilibus secundifloris; floribus parvis brevissime pedunculatis; calycis fructiferi tubo obconico crasso quinquecostato, alis (laciniis ampliatis) oblongis brevibus inaequalibus, basi confluentibus. — *Warmia hatnata* Vahl. l. c. ~ Crescit in insula Zeylania.

* A. EXTENSUS Wall. Catal. no. 1052A — Planchon l. c. 318. — Foliis obovato-oblongis, basi cuneatis (4—6 poll, longis), coriaceis, supra squamulis minutis albis impresso • adnatis conspersis; paniculae terminalis ramis crassiusculis; calycis fructiferi

- lubo parvo obconico sublaevi. alis (laciDiis) obloogis basi angustatis sextuplo brevior. — Crescit in provincia Martaban.
8. A. PINANGIANUS Wall. 1. c. no. 1054. — Planchon 1. c. — Foliis oblongis, aplice obtuse acuminatis, basi cuneatis, rigide chartaceis nee crassis, supra albo-puncticulatis nervo marginali nullo; paniculae terminalis, folio brevioris ramis gracilibus in ramulos breves confertiuscule divisus. Flores. . . . : fructus. . . . ? — Crescit in insua Penang.
4. A. GRIFFITHII Planch. I. c. — PoHis angustis, basi in petiolum brevem aensim attenuatis. apice acuminatis epunctatis, textura tenui. sicciate fragilibus. reticulo nervulorum tenui ssime promlnuh), nervo marginali non conspicuo; paniculae terminalis ramis gracilibus flexuosis, bracteolis geminis, pedicellos breves utrinque stipantes et fere superanitus. — Grescit in Mergui.
5. A. WALLICHII Planchon 1. c. p. 319. — Foliis angustis, acute acuminatis, basi longe curvato-angustatis, marginibus inferne revolutis, epunctatis nitidis, tenuiter chartaceis, norvis secundanis remotis, areolas latas includentibus; inflorescentiae oppositifoliarum perfunculo primario angulo recto patentem, interne denudato stricto, demum in ramulos paucos subpatentes furcato. (Flores et fructus ignoti.) — Grescit in Pundua.
6. A. (?) SAGITTATUS Wall. Catal. no. 1055. — Planchon I. c. — Foliis magnis obovato-oblongis. abrupte et breviter acuminatis, basi angustato-cuneatis, supra petiolum brevissimum acute auriculaio-sagittatis, nunc cum petiolo sensim continuis, rigide chartaceis epunctatis, supra (siccitate) livide fuscis, subtus pallide castaneis, nervis secundariis crebris parallelis patentibus, in nervulum marginalem connexis. — Grescit in India orientali.

f *Nomine tantum cognitus.*

7. * A. HEYNEANUS Wall. mss. - Planchon 1. c. p. 319. - Grescit.

Ordo XXXI. TERNSTRALIACEAE DC.

(DC. Prodr. 1. 523. — Wlprs. Report. I. 367. II. 801. V. 129, Annal. I. 114. ft 960.)

5405. COCHLOSPERMUM *Knth.*

(DC. Prodr. I. 327. — Wlprs. Report. I. 567. — Planchon in Wlprs. Annal. 1.115.)

1. C. (*Eucochlospermum*) PLANCHONI Hook. III. Niger Flora pag. 268. + — (Wlprs. Anntl. I. 115. no. 6.) — Caule subarborescente; ramis puberulis striatis foliosis; ramulis, petiolis foliisque subtus subvelutino-tomentosis; foliis late orbiculato-reniformibus, profunde cordatis quinquelobis, lobis rotundatis obtusis, basi recurvo sinuato-dentatis; floribus ad ramulos ultimos axillaribus; sepalis quinque inaequalibus rotundatis pubescentibus, duobus exterioribus minoribus. — Arbuscula sexpedatis. Rariora crassitie palmiferae colorinae, pube grisea. Petioli $\frac{3}{4}$ —1 unc. longi. Folia coriacea, 2 $\frac{1}{2}$ —3 unc. long* 3—4 lata, supra atro-fusca, (siccitate) nitida, subtus pube densa grisea, venter palmiferae palmiferae radiatis» veolis obscuris. Alabastro V, unc. longa. Flores lutei. — Grescit in avonnis Nigritiae.

5409/2. (4528.) ABEVAIYKA ||| *Jack.*

(Wlprs. Repert. V. 130.)

- U A. DUMOSA W. Jack. - Wlprs. Repert. 1. e. — W. Jack in M' Clelland. *Calcutta* Journ. of Nat. Ustor. iv. 2. « Baccis 5-ocularibus palmispermis. — Sumatra. »
% 4. SYLVESTIS W. Jack. |. c. 208. — Baccis irUocularibus. — Sumatra.

5412. **FHEMKRA** *Smti.*

(DC. Prodr. I. 924. — Wlprs. Report. I. 370. Annal. I. 117. — *Lettsomia* Rz. ft Par. — DC. Prodr. I. 325.)

I. * FR. THEOIDES Swrtz. — DC. 1. c. no. 1. — Hook. Dot. Magaz. tab. 4546. — Paxton ft Lindl. Flow. gard. I. 189. flg* 119.

5412/i. **PSSHTTAPHYIAX** *Gardn. Sf Champ.*

(Gardn. ft Champ, in Hook. Kew gard. misc. I. 244.)

Calyx persistens bibracteolatus pentaphyllus, foliolis imbricatis ovaiis obtusis inaequalibus. Corollae petala 5 hypogyna, basi libera obovato-oblonga, calycis foliolis alterna. Stamina quinque hypogyna libera. Filamenta crassa complanata, infra medium dilatata. Antherae introrsae biloculares, basi insertae, loculis discretis ovatis compressis, poro apice dehiscentibus. Ovarium liberum quinqueloculare. Ovula in loculis gemina collateralia, angulo centrali inserta pendula. Stylus filiformis, apice quinquefidus. Capsula ovata quinquangularis, Jocularide quinquevalvis, valvis lignosis, medio septiferis. Seraina in loculis gemina collateralia pendula, superne in alam membranaceam oblongam obtusam producta. Embryo ignotus. — *Arbuscula Cbinensis*: foliis alternis petiolatis ovato-oblongis acuminatis integerrimis penniveniis; floribus parvis albis pedicellatis, infra folia hornotina ortjs, in pseudo-racemos igitur dispositis.

I. P. EURYOIDES Gardn. ft Champ. 1. c. 245. f — *Arbuscula* valde ramosa. rami trectes, cortice cinereo vestiti, ramuli angulosi puberuli. Folia alterna petiolata ovata vel ovato-oblonga acuminata, basi obtusa, iategerrima glabra pennivenia, 2% polj^ longa, 10—15 lin. lata; stipulae nullae. Flores hermaphroditi, infra folia hornotina in pseudo-racemos dispositi, parvi albi, 2 lin. longi pedicellati; pedicelli $\frac{1}{2}$ lin. longi, basi unibracteati, bracteis parvis deciduis, apice bibracteolali, bracteolis late ovatis apiculatis ciliatis, calycem stipantibus. Calyx persistens pentaphyllus, foliolis imbricatis ovaiis obtusis inaequalibus glabris, margine ciliatis. Petala 5, hypogyna libera obovato-oblonga, apice obscure dentate, calycis foliolis alterna, per aestivationem imbricata. Stamina quinque hypogyna libera, filamenta crassa complanata, infra medium dilatata. antherae introrsae, basi affixae, biloculares. loculis discretis ovatis subcompressis, per aestivationem pendulis, demum erectis, poro apice dehiscentibus. Ovarium liberum QUinqueloculare; ovula in loculis gemina collateralia, angulo centrali inserta pendula; stylus filiformis, apice quinquefidus. Capsula ovata qumquangularis 3 lin. longa, locu- Ncidē quinquevalvis, valvis Ugnosis* media septiferis; seuina in loculis gemina colla- leralia fendula, awperne ia alam mejobrauaceain ebloogam oklm»ia producta; embryo gnotus. — Crescit in Hong-Kong.

5416. **IiAJftLACEA** *H. B. Knth.*

(Da Prodr. I. 527. - Wlprs. Report. I. 372. n. 801. V. 182* AnnaL I. 121.)

1. L. CAMELLIODES Sonder. Linnaea XXU. 549. f — Ramie ramfalisqoft glabris; foliis wevlteime petiolatis oMongis, utPH9«« afitii aefiM>a*afit>errät»# ima basi integorri- ml» subcoriaceis. supra glabwimh. atom aec***r— puke**illbus; floribus axil- laribus erois quinise, rarius solitarias; c«lyce gl^Mio obi wo; petalis plerumqiM octo; ovario sericeo; stylo triflido. — Brasilia.

5424. **GORDOFLA** *EU.*

(DC. Prodr. I 528. [e>cl. jsecu 2] - WJprs, Beperu I. 374. II. «K. V. 134, Amah |. *»*)

1. G. JAVANICA aolUsoft «... ex Ifoe*. Bot. Mag. t. 039. — Paxl. ft Undl. Wow. gird. I. ^40. flg. 99. f — fotiis becvUer petioUtü obtongo ^ tancootetis aetwuhertis glabris II.

integerrimis penninerviis; pedunculis solitariis axillaribus unifloris folio brevioribus sub calyce bi—tri-deciduo-bracteat o, bracteis spatulatis; calycis sepalis ovali-ellipticis concavis parce hirsutis; ovario hirsuto 5-loculari, stigmalis lobis rotundatis subfoliaceis; capsula pisiformi semi-5-valvi. — In insula Java.

5424A. *SCHIMA Reinwardt.*

(Wlprs. Repert. V. 135.)

1. *SCH. SUPERBA* Gardn. ft Champ, in Hook. Kew. gard. misc. I. 246. f — Ramis teretibus verrucosis glabris, ramulis pilosiusculis; foliis ovato-ellipticis acuminatis, supra medium serrato-crenatis glabris, petiolis alatis puberulis; pedunculis ad extremitatem ramulorum axillaribus solitariis unifloris petiolum subaequantibus; sepalis rotundatis glabris sericeo-ciliatis. — Arbor pulcherrima. Folia alterna coriacea penninervia, obscure reticulata, 4—5 poll, longa, 1/2—2 poll, lata; petiolis 9—12 lin. longis. Pedunculi teretes glabri, 8—10 lin. longi, ad apicem incrassati bibracteolati, bracteolis deciduis. Calyx pentasepalus persistens, aestivatione imbricata, sepalis aequalibus recto-incurvis rotundatis glabris, margine longe sericeo-ciliatis, 2 lin. latis. Petala 5 alba obovata obtusa, basi cohaerentia et ibi exclusa sericea, inaequalia, majora pollicem longa, unum cetera ante explicationem calyptratim legens. Stamina numerosa pluriserialia, filamenta complanata, inter se et cum petalis connata, antherae basi affixae tetragonae, lateraliter et longitudinaliter dehiscentes. Ovarium depresso-conicum. basi dense sericeo-pilosum quinqueloculare, ovula in singulo loculo 3, collateralia pendula. Stylus quinquosulcatus, versus apicem incrassato-clavatus; stigma quinquelobum. — In insula Hong-Kong.

5425. *CAMELLEIA Linn.*

(DC. Prodr. I. 529. — Wlprs. Annal. I. 135.)

1. *C. KAEMPFEIANA* Roboul. Atti della terza riunione p. 494. — Foliis late ovatis acutis serratis; petalis sex patentibus; capsula apice umbilicata. — Habitat. . . . ?
2. *C. JAPONICA* Linn. — Rebol 1. c. — Foliis ovatis acutis serratis; petalis quinque erectiusculis; capsula nuda.

5426. *THEA Linn.*

(DC. Prodr. I. 530. — Wlprs. Repert. I. 375. — S. Ball. An account of the cultivation and manufacture of Tea in China. — London 1848. 8. pp. 382.)

5432A. *OCHTHOCOSMOS Benth.*

(Wlprs. Repert. V. 135, Annal. I. 124.)

1. *O. AFRICANUS* Hook. III. — Wlprs. Ann. bot. syst. 1.c.1. — Hook. fl. Niger **Flora** 240. f tab. 23.

Ordo XXXII. *OLACMAE Herit.*

(DC. Prodr. I. 531. — Wlprs. Report. I. 377. II. 802. V. 136, Annal. I. 124. ft 960.)

5488/. *APODYTES E. Meyer.*

(DC. Prodr. V. 136. — Wlprs. Annal. I. 124.)

1. *A. ACUTIFOLIA* Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 92. — Caule arboribus ramis, ramulisque glabris; foliis alternis longe petiolatis exstipulatis ovalibus acutis margines glabris, sesquiunciam ad 2 uncias longis. 10—15 lineis Inti*. basi orbiculatis

aut paulisper angustatis. utrinque glabris; Horibus parvulis racemulos terminates ramosos foliis breviores efflorantibus; petalis oblongis obtusis; ovario glabro, stylo persistente. — Crescit in monte Abcr. in Abyssiniae provincia Semieno, altitudine circiter 8000 pedum prope Adossela.

5488/. RHAPHIOSTYLIS Planch.

(Planchon in W. J. Hooker, Niger Flora pag. 259.)

Flores hermaphroditi. Calyx parvus liber quinquepartitus. Stamina * totidem, iis alterna, sterilia nulla. Ovarium uniloculare, ovulis duobus, hinc ab apice pendulis collateralibus. Stylus excentricus, basi postice gibbus, gibbo sulcato. Fructus .. ? Inflorescentia axillaris. — Frutices Africae tropicae glabri. Folia alterna integerrima perennantia. Flores in nodis axillaribus plures pedicellati, iis *Apodytis* similes.

fc RH. BENINENSIS Planch. 1. cit. 239. f. tab. 26. — Frutex glaberrimus; rami teretes vel striati. Folia petiolata ovali-vel elliptico-oblonga, breviter et obtuse acuminata integerrima, margine recurva, basi obtuse angustata, rigide membranacea vel subcoriacea, costa venisque paucis primariis validis, rete venarum tenui, 2—4 poll. longa. V. — 1/2 poll. lata, petiolo bilineari canaliculate. Pedicelli in nodos axillares per 10—12 aggregati, tenues erecti uniflori, 2—3 lin. longi, ima basi minute bracteolati. Alabastra oblonga, 3 lin. longa. Calyx minutus, fere ad basin quinquepartitus. laciniis ovato-triangularibus acutis, basi leviter imbricatis. Petala linearia, apice uncinato-innexa, intus glaberrima. Filamenta lenissime ciliata, a basi ultra medium concavo-dilatata, superne filiformia. Antherae oblongae, polline trigono. Ovarium sessile ovatum compressum glabrum obliquum. Stylus excentricus filiformis incurvus, basi postice dilatatus in gibbum superne sulcatum, sulco fere ad medium styli obscure continue styli apex clavato-stigmatosus obliquus. — *Apodytes Deninnetois* Hook. (11. — Wlprs. Annal. I. 124 no. 2. — Habitat in Capite Palmas in Africa tropica occidentali.

5488/9. POBA%CKIBA Aubl.

(Aubl. Guyan. I. 123. — Juss. Gen. Plant, p. 288. — Endl. Gen. Plant, p. 1331. no. 6872. — *Barreria* Scop. Introd. ad hist. oat. p. 182. no. 767. — Tulasne, Ann. des scienc. natur. [Ser. 3.] XI. 169.)

Calyx minimus pentamerus, sepalis late ovato-triangularibus, acutiusculis oblongisve, aequalis, margine deorsum brevissime quincuncialiter imbricatis marcescentibus. Corolla pentapetala, tubo nudo inserta, hypogyna caduca; petalis ovatis oblongisve, acutiusculis aequantibus liberis, aestivatione valvatis vel basi ima angustissime margine imbricatis, cum sepalis alternantibus, exteriis pubentibus, antice pilis longioribus diversaeque indolis in medio imprimis obsitis acpraeterea rima media prominente deorsum ampliore vel etiam altera transversa angustiore instructis, et quapropter sigillatim veluti 2—4-locellatis foveatis. Stamina quinque, petalis longioribus alterna libera glaberrima; filamentis planis dilatatis obovatis obtusissimis; antheris continuis quadrilocellatis, locellis linearibus connectivo crasso quasi tetragono mucronulato longitrorsum impositis, geminatim approximatis, anticis brevioribus sursum attenuatis obliteratedisve, singulo rima longitudinali juxta connectivum dehiscente; polline pulvereo. Ovarium centrale liberum, receptaculo haud incrassato sessile impositum ovato-filiforme, glabrum vel minute pubens, uniloculare bivulvatum. Ovula summo latere loculi superposite pendula anatropa, globosa vel obovata; micropyle placentam spectante, funiculis brevissimis. Stylus petalis centralibus erectus brevissimus integer; stigmatibus terminalibus exiguis

obscure 2—3-lobo. Fructus ? — Arbores. Americae tropicae: foliis alternis simplicibus integerrimis et exstipulatis; floribus exiguis racemoso-paniculatis, brevissime pedicellatis bibracteolatis; antheris axillaribus terminalibusve.

1. P. GUYANENSIS Aubl. 1. cit. 123. t. 47. — Tulasne I. c. 170. f — Foliis ovato-oblongis oblongisve, longe angustaque acuminatis, costa media subtus minute pubente petioloque cinereo; petalis ovato-linearibus angustis acutis, amice quasi quadrilobellatis. — Crescit in Guiana Gallica et Baiava.
2. P. SEHICEA Tulasne I. c. 172. f — Foliis latissime ellipticis ovato-ellipticis mucronatis, basi rotundatisve) abrupte breviterque in petiolum decurrentibus, supra glabris, subtus sericeo-pubescentibus lucentibus nervosisque; petalis longis aequalibus; petalis ovato-ovatis, basi copiose pilosis, membranulaque inferne tantum auriculis. — Crescit in Brasilia.

5488/4. BTOTHAPODYTES Blume.

(Blume, Mus. bot. Lugd. Bat. p. 248.)

Flores hermaphroditi. Calyx parvus obsolete quinque-dentatus, immutatus persistens. Petala 5 kypogyna, linearia, basi inter se et cum laminibus cohaerentia, praefloratione valvata. Stamina 5, cum petalis inserta et iis alterna; filamenta subulata; antherae introrsae, dorso medio affixae, oblongae, biloculares, longitudinaliter dehiscentes. Ovarium liberum, disco annulari cinctum, elongato-ovoideum, uniloculare. Ovula 2, apici loculi collateraliter appensa, anatropa. Stylus terminalis, filiformis, stigmate subclavato, emarginato. Drupa baccata, ellipsoidea, monosperma. Semen inversura. — Arbor mediocris Archipelagi Indici ramosissima: ramis dichotomo-ramulosis; foliis sparsis petiolatis exstipulatis oblongis v. lanceolatis, utrinque angustatis integerrimis subcoriaceis glabris, supra lucidis, subtus reticulato-venosis; paniculis corymbosis axillaribus v. infra gemmam terminalem ortis, cum alabastris pube sericea obductis; floribus parvis brevissime pedicellatis ebracteatis, sub calyce articulatis.

1. *N. MONTANA Blume 1. c. no. 536. — In Java insula.

5489. OPILIA Roxb.

(WJprs. Repert. I. 377.)

- i. O. PENTITIDIS Blume, Mus. bot. Lugd. Batav. p. 246. no. 632. — Foliis oblongis v. lanceolatis (3—5 poll. longis, 1/2—1 poll. latis) acuminatis, basi Boguftatu; fitticemmis selilartibus v. confertis, rachibus pedicellisque fulvo-tomentosis; drupis cylindricis. — *Pentitidis scanient* Zipp. — In liuoribus Novae Guineae.

5489A. CAHTSJEZRA Jim.

(Wlprs. Repert. II. 803. V. 137. Annal. I. 124.)

1. C. MANILLANA Blume, Mus. bot. Lugd. fiat. p. 246. no. 531. — Foliis ovato-oblongis v. ovato-lanceolatis (3—5 poll., 1/2—2 poll. latis); spicibus ramosis, floribus tetrandris rarissime tetrandris. — In Manilla.

5490. XIJIEIXIA Plum.

(DC. Prodr. I. 533. — Wlprs. Repert. I. 377. V. 137.)

1. X CAFFRA Sonder, Linnæa XXIII. 21. f — Tomentosae ramis spinosis rubeis; foliis ellipticis v. oblongo-ellipticis obtusis emarginatis coriaceis, ad nervos supra glabris pedunculis axillaribus sessilibus geminisve immixtis: pedicellis eitis pubescentibus, dense barbatis; drupa ovali glabra edula.

p. *Natalensi**, ramis foliisque glabris, petiolis, pedunculis calycibus imbricatis. — In Promontorio bonae spei.

5490/. FL. BUBOPETALIA^T *Blume*.

(Blume, Mus. bot. Lugd. Bat. p. 248.)

Flores abortu monoici. Calyx parvus, pentaphyllus; foliis ovatis, imbricatis. Corollae petala 5, hypogyna, erecto-patentia, intus crista elevata superne* deliquescente percursa, praefloratione leviter imbricata apiceque inflexa. Stamina 5, petalis alterna; filamenta petalis ima adhaerentia, subulato-filiformia, crassiuscula; antherae erectae, cordatae, obtusae, biloculares, Jatere dehiscentes. Ovarium liberum, uniloculare. Ovula 2, ex apice anguli centralis pendula, anatropa. Stylus filiformis; stigma obtusum, subtrigonum. Fructus ...? — Arbuscula Javanica erecta ramosissima: foliis alternis breviter petiolatis ovato- v. elliptico-oblongis lanceolatisve integerrimis coriaceis, supra lucidis, subtus reticulato-venosis; racemis compositis terminalibus densifloris rhachi ramulisque fulvo-tomentosis; floribus parvis albis odoriferis.

I. 'PL. SUAYEOLENS Blume 1. c. no. 535. — In Java occidentali.

5491. IUGISTEBIA *Linn.*

(DC. Prodr. I. 532.)

I. 11. RADDIANA *finth.* in W. J. Hooker. Niger Flora p. 256. adn. — Ranalis aubangalis; folia ovatis oblongis obtusis vel breviter acuminatis crasse - coriaceis nitidis; calycis fruiferi profunde lobis ovato - orbicularibus obtusissimis post fructus delapsoe patenlibus, sinuosis subrequeis. — Crescit in Brasilia ad Rio-Janeiro.

5492A. SCHDPIA *Linn.*

(DC. Prodr. IV. 319. — Wlprs. Annal. I. 960.)

1- SGH. CHINENSIS *Gard.* 8c *Champ*, in Hook. Kew gard. msc. I. 308. + — Foliis ovato-oblongis vel oblongo-lanceolatis acuminatis, basi aculis; racemis axillaribus solitariis, 2—4-Boris; floribus sessilibus; corollae (ubo tereti, lobis acutiusculis. — Arbuscula ramosa glaberrima, rami subflexuosi teretes striati albidi; folia alterna petiolata pennivenia, 2,7, - 3 poll. longa, 10—15 lineas lata, petiolus marginatus 2—3 lin. longus; racemi 6—9 lin. longi, corolla lulea 5 lin. longa: drupa oblonga, utrinque obtusissima 5—7 lin. longa. — In insula Ghinensi Hongkong.

5942/.. STROITBOSIA *flume*.

(Blume, B(4r. U54. — Endl/Gen. pi. no. 5752. — *Gardn.* in M'Clelland's Calcutta Journ. of nat. hist. VI. 350 — Blume. Mus. Lugd. Bat. p. 251. fig. 47.)

—A Calyx adnatis quinquefidus. Corollae petala quinque, intus villosa, aestivatione valvata, apicibus sub anthesi revoluta. Stamina quinque, cum petalis inserta iis opposita et basi adnata. Antherae oblongae in* wosae biloculares, longitudinaliter dehiscentes. Ovarium dj»co immersum,, basi quinqueloculare. Ovula tot quot loculi spurii ex apice placenta pendula anatropa. Stylus brevis filiformis. stigma quinquelobum, lobis obtusis. Drupa oblonga exsucca, calyce toto adnata, monosperma. Semen inversum, testa membranacea. Embryo in axi albuminis (copiosi carnosi) orthotropus, apici fructus proximus teretiusculus; cotyledonibus complanatis orbiculatis, radícula magna supera. — Arborea Javanicae et Zeylanicae inermes: foliis alternis exstipulatis integerrimis lucidis penniveniis; floribus in fasciculis axillaribus dispositis.

i. STR. JAVANICA Blume 1. c. 1155. ft Mus. bot. Lugd. Bat. p. 251. no. 546. fig. 47. — *Gardn.* 1. c. f — Arbor procera * foliis alternis oblongis numinatis integerrimis glaucis

berrimis lucidis; floribus viridibus in fasciculis axillaribus paucifloris. — In sylvis montosis insulae Javae.

2. STR. (?) GRANDIFOLIA Hook. fl. Niger Flora p. 358. f — Foliis amplis obovatis vel elliptico-oblongis acuminatis; floribus axillaribus congestis breviter pedicellatis; calycis brevissimè adhaerentis limbo profunde 5-fido; ovario sublibero iriovoluto; stigmate obsolete trilobo. — In insula Fernando Po.

5495. PLATEA Blume.

(Wlprs. Repert. I. 378.)

UPL. SUMATRANA Blume, Mus. bot. Lugd. Batav. p. 249. no. 937. — Foliis e basi obtusata v. rotundata elliptico-oblongis acuminatis subcoriaceis venosis, subtus cinereovirescentibus. — In Sumatra insula.

5496. STEMORURUS Blume.

(Wlprs. Repert. I. 378.)

1. ST. QUADRIFIDUS Blume, Mus. bot. Lugd. fiat. p. 249. no. 538. — Foliis e basi acutiuscula oblongis v. oblongo-lanceolatis ($3\frac{1}{2}$ —6 poll, longis, 1— $1\frac{1}{4}$ poll, latis) obtuse acuminatis membranaceis; cymis umbellato-quadrifidis multifloris. — In Sumatra.
2. ST. PRASINUS Blume 1. c. no. 539. — Foliis e basi acutiuscula ellipticis v. elliptico-oblongis ($4\frac{1}{2}$ —6 poll, longis, 1'A—3 poll, latis) longiuscule acuminatis membranaceis; cymis trifurcatis multiQoris. — *St. Javanicus* Krthls. mss. — In Sumatra.
3. ST. MAGROGARPUS Blume 1. c. p. 250. no. 540. — Foliis e basi acutiuscula ellipticis v. elliptico-oblongis ($4\frac{1}{2}$ —6 poll, longis, 2y«—3 poll, latis) obtuse acuminatis subcoriaceis; pedunculis solitariis pauciQons; fructibus elongate*-elliipsoideis. — In insula Borneo crescit.
4. ST. MACROPHYLLIS Blume 1. c. oo. 541. — Foliis e basi acuta ellipticis ($6\frac{1}{2}$ —9 poll, longis, $2\frac{2}{3}$ — $4\frac{1}{2}$ poll, latis) obtuse acuminatis coriaceis; racemis geminis confertisve; fruclibus cylindraceis. — In Archipelago Indico.
5. ST. PARVIFLORUS Blume 1. c. no. 542. — Foliis e basi acuta v. obtusa oblongis v. elliptico-oblongis (5—10 poll, longis, 2—4 poll, latis) acuminatis membranaceis; cymis brevissimis densifloris; drupis cylindricis. — In sylvis montanis Sumatrae.

+ Species dublae.

6. ST. ? LITTORALIS Blume 1. c. no. 543. — Foliis e basi acutiuscula v. obtusa ellipticis (6—9 poll, longis, 3—4 poll, latis) acuminatis coriaceis. — In Nova Guinea.
7. ST. ? MEMBRANACEUS Blume 1. c. no. 544. — Foliis e basi acuta elliptico-oblongis v. oblongo-lanceolatis (6—10. poll, longis, 2'A—3% poll, latis) acuminatis membranaceis. — In Java.

5496A. AUTACIOSA Blume.

(Blume, Mus. bot. Lugd. Bat. p. 250. fig. 46. — *Stemonuri* sect. 2. Blume, Bijdr. p. 04\$⁷
Wlprs. Repert. I. 378.)

1. A. FRUTESCENS Blume. Mus. bot. Lugd. Bat. p. 251. no. 545. fig. 46. ~ ~~Stemonuri~~
frutescens Blume. — Wlprs. 1. c. no. 4. — In Java.

Ordo XXXIII. AURANTIAE *correa.*

(DC. Prodr. I. 535. — Wlprs. Repert. I. 379. II. 804. V. 140, Annal. I. 126.)

5500. TRIPHASIA *Lour.*

(DC. Prodr. I. 535. — Wlprs. Repert. I. 379. II. 804.)

1. T. GLAUCA Lindl. in Mitchell, Journal of tropical Australia pag. 353. adnot. — Spinosa: foliis coriaceis integerrimis crenatisque linearibus glaucis obtusis retusisquo: floribus trimeris dodecandris bi—lernis breviter pedicellatis. — Crescit in Australia orientali tropica.

5501. LIQIAXIA *Linn.*

(DC. Prodr. I. 536. — Wlprs. Repert. I. 379.)

1. L. OLIGANDRA Dalzell in Hook. Kew gard. misc. II. 258. + — Fruticosa scandens, aculeis brevibus recurvis crebris armata: foliis trifoliolatis petiolatis, foliolis ellipticis, apice obtuse acuminatis, basi cuneatim attenuatis, leviter crenatis; floribus axillaribus paniculato-racemosis¹. racemis (compositis) folia subaequantibus. — Foliola turn petiolo 2¹/_a—3-pollicaria, .9—12 Un. lata. — Habitat in Indiae orientalis montibus Sihadree.

5502. CULYCOSMIS *Correa.*

(DC. Prodr. I. 528. — Wlprs. Repert. I. 380.)

1. GL. (?) AFRICANA Hook. Al. Niger Flora p. 256. — Folioli? solitarii oblongo-elliptici, breviter acuminatis, margine recurvis coriaceis; drupis obovoideo-oblongis (abortu?) monospermis. — Petioli teretes 3—4 lin^o longi, apice articulati. Foliolum 4—6 poll, longum, 2—2¹/₂ poll, latum coriaceum nitidum pellucido-punctatum, venulis a costa divergentibus tenuibus crebris parallelis reticulatisque. Inflorescentia omnino G. citrifoliae. Flores desunt, sed ex calycis restigiis pentameri videntur. Drupae 4—5 lin. longae, stigmate subsessili disciformi coronatae, pericarpio carnoso cellulis oleiferis numerosis, endocarpio membranaceo, pulpa in sicco nulla apparet. Semen unicolum apice pendulum, cavitate implens; testa rigide membranacea; embryo ad hilum spectans, cotyledones crassae carnosae, basi integrae, cellulis oleiferis numerosis, radícula brevissima, plumula minima. — Crescit in insula St. Thomas in sinu Biafra.

5508. CLAUDEA *Burm.*

(DC. Prodr. I. 538. — Wlprs. Repert. I. 381.)

1. *CL. ANISATA Hook. fl. Niger Flora 256. f. Aroyw^o *anisata* Willd. Sp. pi, II. 337. - *Faqarastum anisatum* G. Don, Gard. diet. II. 87. — Wlprs. Repert. I. 559. no. 4.

5511. LIMNOCARPA *namnt.*

(Wlprs. Repert. I. 382.)

1. *L. SCANDENS Hamilt. — Wlprs. I. c. — Hook. Bot. Magaz. tab. 4522. — Paxt. *Bi.* Lindl. Flow. gard. I. 109. fig. 75.

2. L. ELEUTHERANDRA Oalzell in Hook. Kew gard. misc. II. 258. f — Fruticosa scandens spinosa: spinis axillaribus reflexis vix curvatis; foliis trifoliolatis longe petiolatis. foliolis late ellipticis vel obovatis coriaceis glabris integris; floribus axillaribus paniculato-spicatis, spicis pctiolo brevioribus. — Foliola 3-pollicaria, sesquipollicem lata. — Habitat in India orientali in montibus Syhadree.

Ordo XXXIV. HYPERICINEAE. DC.

(DC. Prodr. I. 541. - Wlprs. Repert. I. 383. II. 805. V. 141, Annal. I. 156. ft 960.)

5463. ASCYRUM Linn.

(DC. Prodr. I. 555. — Wlprs. Repert. I. 383.)

1. *A. STANS Michx. — DC. I. c, no, 5, — Wlprs. 1. c. no. 4. — Torr. Gen. pi. fl. Am. bor. I. 211. tab. 91.

5464. HYPERICUAE Linn.

(DC. Prodr. I. 543. — Wlprs. Repert. I. 383. II. 805. V. 141, Anna). I. 126. ft 960.)

1. H. (*Adenosepalum?*) DECUSSATUM Knze. Delect, sem. hort. Lips. 1. 848. p. 2. adn.— Mullicaule: caulibus simplicibus ascendentibus; foliis decussatis oblongis obtusis, basi attenuatis pellucido-punctatis, margine dense et minute glandulosis; pedunculis cymosis; cymis 8—10-floris; sepalis ellipticis obovalisve obtusis. margine glandulosis, tenuiter 5—7-nerviis, petalis triplo brevioribus; stylis ovario duplo longioribus. — Habitu fere *M. adenotnchi* Spach. — Prope Arturin.
2. II. (*Adenospalum?*) INTERMEDIUM Steudel mss. ex A. Rich. Tent. fl. Abyss. I. 95.— Caulibus caespitosis erectis 1—2-pedalibus teretibus glabris, subcinereo-pulverulentis; foliis sessilibus semi-amplexicaulibus, basi cordatis, ovali-oblongis, apice obluisiusculis, subtus pallidioribus, densissime pellucido-punctatis, pulverulentis puberulis penninerviis; cyma terminali ramosa raultiflora; sepalis lanceolatis, margine serratis. serraturis glandula nigra stipitata terminatis; capsula ovoideo-acuminata glabra trilobulari, septicido-trivalvi. — Crescit circa Adoua et inter Dobra-Sina et Mayegougoua in Abyssinia.
3. H. (*Drosocarpium*) UMFL011UM Boiss. ft Heldr. Diagoos. plant, orient, nav. VIII. p. 109 f. — Caulibus caespitosis filiformibus aogulato-bilineatis foliosis simplicibus, apice unifloris; foliis ininulis subsessilibus ovatis obtusis, praeter marginem papilloso-scabridum glabris, parce nigro-punctatis; flore e summis foliis breviter pedunculato; calyce corolla triplo breviori, in lacinias bncecolatas neutiusculas dorso-nigro-punctatas. superne margine glandulis nigris sessilibus obsitas profunde diyiso; petalis nigro-punctatis, margine integris; capsula vesiculis magnis oblongo-clavatis adspersa. — Crescit in schistosis regionis alpinae montis Anemas Lycaoniae.
4. II. TRICH0GAUL0N Boiss. ft Heldr. 1. c. 110 f. — Glaberrimum rubellum. basi suffrutescens, caules numerosissimos pumilos erectos filiformes rigidulos, basi nudos simplices, rarius trifidos edens: foliis parvis myrtiformibus ovato-oblongis obtusis. subsessilibus nerrulosis, vix pellucido-punctatis, serie simpliei punctorum nigrorura marginatis integerrimis; floribus ad caulium apicem solitariis vel trichotome 3—6-nis; bracteis oblongis breviter denticulatis; calycis dimidio corolla brevioris laciniis oblongis obtusis nigro-punctatis, margine obsolete et remote denticulato-glandulosis, glandulis minimis; petalis nigro-punctatis integris. subtus rubellis; capsula vesiculis ad margined valvarum tranaversis obsita. — *H. repens* Heldr. — Crescit inter saxo in quercetis montis Idae in latere australi supra Vorfea alt. 3080-4000 ped.

5. *PAPILLARE* Boiss. ft Heldr. l.c. 110. f— Glauceseens, totura brevtoshne et dēnsis-ime papilli⁹ tuberculiformibus loprosum: radice crassa; caudice Ugnoso; caulibus brevfolmis flifloraiibiis teretiusculis foliosis simplicibus procumbentibus ascendentibusve eximie nigro-punctatis, apice laxe brevissime et trichotome paniculatis 6—9-floris; foliis minuti⁹ ovato-rotundfe carnosulis opacis, pellucide et parcius nigro-punctatis, ad partem inferiorem caulium diminutis confertioribus; bracteis miniois lanceolatis subdentifculalis; calycis minuti carnosuli estriali corolla tripjo brevioris laciniia oblongis obtusis nigro-punctatis, glandulis nigris subsessilibus remotiusculis marginalia; petalis nigro-punctatis; capsula . . . ? — In Anatolia.
- ti. *H. HELDREICHII* Boiss. l. c. (11. f— Glaberrimum: rhizomate indurato caules plurimos graciles simplices ascendentes pumilos foliosos, utrinque bilineatos, apice cymose et confertim 1— 9-floros edenti; foliis elliptico-linearibus obtusis pellucido-punctatis, margine remote nigro-punctatis scssilibus. infimis basi subattenuatis, auperioribus basi truncato-subaunculatis. auriculis minulissimis nigro-fimbriolatis. summis margine stipitato-glandulosis, superne subattenuatis; bracteis e basi subdilatata auriculata lineari-setaocis, longe flmbrinlis, flobriis glandulifens; calycis corolla triplo brevioris segmentis oblongo-lancoolalis acutiusculis circumcirca dense et tenuiter ciliatis, ciltut glandula terminalis, tricostatis, inter *coslms* pellucide 2~3-vittatis nigro-punctatfc, punctis in lineas longitudinales saepe confluentibus; petalis parce nigro-punctatjs, margine teuissimo sub lente stipitato-glandulosis; capsula ? — Crescit in siccis prope Roukaka prov. Sitia in Greta.
7. *H. CASSIUM* Boiss. l. c. f — Glaberrimum glaucum: caulibus erectis elatis teretibus elineaiis, superne corymboso-panioulatis, ramis paninulae strictis; foliis coriaceis. inferioribus obiongis* basi subangustalis. caeteris oblongo-vel ovato-cordatis, margine revoluis acutiusculis evcsiculosus vel mpreiris p̄aroe pellucido-punctatis, sparsifzi ad margines nigro-puocctatis, omnibus integerrimis; bracteis lineari-lanceolatii fimbriatis, fimbriis glanduliferis; calycis corollam dt̄midiam superantis laciniis linearibus acutis, punctis elongatis pellucidis conspersis, fructiferis deflezis costatis, margine parco fimbriatis, fimbriis brevissirais ascendentibus remotis, apice nigro-glandulosis; petalis fiigro-punctatis; capsula calyce duplo longiori cylindrica, apice subattenuata trisulca, vesiculis magnis globosis inordinatis aspera; seminibus longitudinaliter striatis. — Crescit in umbrosis jugi Casii.
8. *H. SPRUNERI* Doiss. l. c. 112. + — Glabrum viride: caulibus ascendentibus simplicibus obsolete bilineatis, laxe foliosis, superne laxe corymboso-eymosis; foliis pellucidis oblongi» obtusis sessilibus, inferioribus minoribus epunctatis, basf attenuatis, superioribus subcordatis, valde pellucido-punctatis, margine parce nigro-punctatis; bracteis magnis calyci aequolongis e basi auriculato-dilatata lanceolatis acutissirais fimbriatis, fimbriis glanduliferis; calycis laciniis corolla dimidio brevioribus Mnceolato-linearibus acqtissimis lacero-fimbriatis, fimbriis diametrum dimidium lacinae aequantibus ascendentibuj, in glanduldm capitata abeuntibus, tenuiter trinerviis valde nigro-punctatis; - Petalis integris parce nigro-punotatis; capsulaT — Crescit in monte Yelugo (Tymphresto) Aetoliae.
- » *H. BITUYNICUM* Boiss. l. c. f— Glabrum viride: caulibus tenuibus ascendemibus smplicibtw teretibus laxe foliosis. superne dense corymboso-cymoslf paucifloris; foliis subpeUncidis breviter ovatis obtusis. basi sessilibus', brevltter cordatis, prorsus eglandulosig, margine nigro-punctatis; bracteis basi subauriculatis lineari-setaceis fimbriatis, fimbriis bractearum dia metro longioribus nigro-glandulosis; calycis tacinlis corollam dimidiam superantibus lanceoiato-linearibus acutissimis fimbrialis punctis nigris elongatis valde aspersis, fimbriis in glandulam oapUalam abeumibus, laciniarum dimidiam latitudinem aequantibus; petalis margine sllpfit&to-glandulosis; capsula vesiculis inordinatim dispositis ovatis, saepe elongatis obsita. — Crescit in regione inferior! Ohtapi Bithyni,
10. *H. RUMELIACEUM* Boiss. l. c. 112. f — Glabrum glaucescens: caulibus plurimis basi iaduratis virgatis simplicibus teretibus bilineatis, apice confertim et paucifloro-corymfo<is; fohia strictis subcoriaceis oblongo-linearibus obtusis, margine valde revoluis

- opacis non pellucido-punctatis parco mgro-punciatiss bracteis mogms oblongo-lanceolatis acutissimis, flmbrns mgro-glanduligenis latitudinem bractee aequantibus, calycis corollam dimidiam aequantibus laciniis oblongis acutis, margine flmbrns ascendentibus crebris ejus dimidiam latitudinem aequantibus, apice glandulas nigras capitatas intercalibus obsis, mgro-punctatis, punctis mferne in lineas longitudinales coalitis, petalis margine minutissime slipitato-glandulosis — Crescit in Rumelia
- 11 U (*HyyeTincae?*; CONCINMUM Benth Plant Hailucg 300 no 1670 — Suffruticosum glabrum ramis hrbaceis terribus ^el superne compressis, foliis oblongis sessilibus semimplexicaulibus opacis, subtus nigro-punctatis, cymis confertis paucifloris, sepalis ovalis aculis glanduloso-denticulatis linentibus, petalorum dimidium aequantibus, staminibus numerosis obsolete inaequalibus, stylis tribus disimicis subrectis. — Caules e basi lignosa numerosi erecti simplices semipedales Folia crebra 8—10 lin. longa, 2 lin. laeva, acutiuscula mtergeriima, subtus sparsim mgro-punctata, costa media prominula, nervis inconspicuis Flores ad apices caulium 3—7 conferti, magnitudinem eorum *11 perforati* Pedicelli breviter, biaccolae duae, oppositae, calyce duplo breviores Sepala inter se fere aequalia, 3 7a lin. longa, mucronato-acuta, ad margines glandulis paucis et interdum dentibus 1—2 acutis instructa, glandulis longe lineantibus pellucidis costa subparallelis percursa et punctis maculisve oblongis nigris paucis notata Petala lutea, oblique obovato-oblonga, margine irregulariter crenulata et nigropunctata Antlicrae parce mgro-punctatae, ovarium complete trilobum, apice trilobum. stylis ovario longioribus — Crescit in valle Sacramento Californiae
- 12 II (*Tacmocarpium*) PESTALOTIAE Boiss 1 c. f — Caulibus filiformibus simplicibus, basi nudis. ascendentibus, apice paniculam divaricatam brevissimam laxam feculentibus foliis minutis sessilibus ovatis obtusis, utrinque breviter velutino-canalicatis, minute pellucido-punctatis, paniculae ramis pedicellisque tenuissimis, bracteis minimis linearis-scarteatis, foliis parvis calyce corolla plus dimidio breviorum nee flmbrata nec nigro-punctata, parco pellucido-punctata, in lacinis linear-oblongas obtusas ad basin usque flosso petalis epunctatis, capsula . . . ? — Crescit in Pamphylia propo Adalia
- 13 II ATOMARIUM Boiss 1 c 114 — To turn **papillae** albis minutissimis tomentoso -*velutinum canescens caulibus terribus simplicibus cinctis, apice in paniculam brevem ovatam abeuntibus foliis lemotiusculis internodio brevioribus oblongo-lanceolatis obtusiusculis, basi cordato-amplexicaulibus, punctis pellucidis magisque sparsis obsitis. bracteis minimis lanceolato-lineantibus, utrinque 1—2-glanduloso-denticulatis mtergerisve, calyce corolla dimidio breviorum, ad basin usque in lacinis oblongo-lanceolatas acutiusculas valde mgro-punctatis innervatis, margine 4—5 glandulis stipitalibus ascendentibus denticulatis denticulatis, petalis nigro-punctatis lineantibus, capsula longitudinaliter glanduloso-vitiata — Crescit in dumosis montis Sipyli supra Magnesium in Ljdia.
- 14 11 NEUROCALYCEUM Boiss a **Heldr** I c 114 f — Basi suffrutescens caespitoso-mullicaule lolum densum et minutissime puberulum glaucescens caulibus procumbentibus ascendentibus gremiis punctis densis, dense foliosis simplicibus, superne in paniculam propter ramiolos brevissimos laciniiformem brevissime oblongam abeuntibus. foliis parvis sessilibus linearibus, ob margines valde revolutos subteretibus obtusis. nervo medio valido percurtis, parco pellucido-punctatis. omnibus axillis fasciculum foliorum subaequilongum terribus-lintarum edentibus, bracteis ovalo-rotundis breviter denticulatis, ciliis cuiuslibet dimidiam aequantibus laciniis oblongis, apice rotundatis, dense parallelis et alternis 8—9-costalostialibus, inter costas lineis pellucidis totidem longitudinaliter percurtis marline regulalibus pectinalo-fimbrialibus. fimbriis brevibus glandulam capitalem ramiis feculentibus, capsula . . . ? — Crescit in montibus bunulionibus andis mto lacum Bechtler et planum Komah in dumosi*.
- 15 II STENOBOTRYX Boiss 1 c 115 f — Basi suffrutescens multicaulis glabrum caulibus rubellis pumilis virgatis simplicibus dense foliosis, in paniculam propter ramulos inflorescentis brevis: imos anguste racemosam abeuntibus, foliis sessilibus oblongo-linearibus obtusis, margine subrevolutis, nervo medio valido percurtis. punctis pellucidis magnis conspersis, axillis omnibus fasciculum foliorum brevioribus

ob margines valde revoluios tereti - hneanum edentibus, braetis ovatis brevitei denticulatis, calycis corolla tuplo brevioris lacinus ovato-oblongis obtusis parallele subquincervus, inter nervos pellucide lincatis, circumcirca flmbrus apice nigro-glandulosis earum latitudine triplo brevioribus pectinatis petalis vesiculis flavis obsitis, capsula . ? — Crescit in sjlvi* jugi Cassu

16 H MICROCALYCINUM Doiss fHeldr I c + — Glabrum glaucum mulucaule cauhbus ascendentibus crassis elatis teretibus ramulosis, superne longe racemoso - paniculatis foliis omnibus primariis axillaribusque convolutis. tenuiter linearibus depresso-punctulatis, flonibus longiusculo pedunculatis, pedunculo medium versus bibracteolato, bracteis minimis oblongis integris eglandulosis calyce rainuto obsolete stnato, ad medium usque in lobos rotundos vel ovato - rotundos, glandulis sessilibus nigris regulariter marginatos diviso, petalis calyce 5—6-plo majoribus, margine breviter nigro-flmbratis. capsula attenuata vittis ciebriis longitudinibus percursa. — Crescit in campis andis prope Kuralu non procul a lacu Devchehr in Ljcaonia

17 H (*bremante*?) PEPLIOFOLIUM A Rich Tent a Abyss I 95 — Herbaceum glabrum caule diffuse ramoso hiunifuso, ramis teretibus gracilibus, foliis parvis oppositis, brevissime petiolatis ovalibus obtusis carnosulis, pellucido-punctatis flouibus breviter pedunculatis axillaribus solitariis aut ramulos terminantibus sepalis fohaceis, ovalibus, obtusissimis, pellucido-punctatis, staminibus parvis numerosis (25—30), stylis 5, distinctis, capsula conoidem icnui 5-valvi, calyce vix longior — In Abyssinia

18 H (*Eiemanthe**) LEUCOPTYCHODES Steudl mss ex A Rich I c 96 — Arborescens ramulis teretibus glabris, lineis 2 longitudinibus notatis, foliis parvis approximatim semi-amplexicaulis oblongo-lanceolatis, acutis eglandulosis, non punctatis sed venis pellucidis notatis, flonibus magnis solitaris. ramulos terminantibus, sepalis subrotundo-ovalibus acutis, glabris integris eglandulosis staminura phalangibus 5. flouibus subcarnosis? ovoideo-acutis, 5-locularibus — Crescit in plensque regionibus montosis Abyssiniae, ab 8,000 usque ad 10,000 pedes supra maie

19 H (*Tamyosjwts*?) JROFPERIANUM Schimper mss ex A Rich I c — Glabrum caule arborescente, ramulis glabris teretibus, foliis sessilibus semi-amplexicaulis oblongo-lanceolatis subacutis inaequalibus pallidis glaucescentibus, 3 unciis longis, 7—8 lineis punctis pellucidis minimis notatis, flonibus magnis, cymam terminalem foliosam cetero terminalibus, sepalis ovali-oblongis-acutis, margine vix glanduloso-dentatis, staminibus persistenteribus, stylis 5, usque ad apicem coalitis glabris capsula ovoideo-acuminata, 5-locularibus 5-valvi, calyce percislenio quadruplo longior — Crescit ad montem Kubbi prope Adoua et ad montem Aber prope Dschinausa in Abyssinia

* H (*Norysca*) QUARTINIANUM A Rich I c 97 f tab 21 — Glabrum caule arborescente, ramulis teretibus glabris foliis semi-amplexicaulis sessilibus elliptico-oblongis acutis micris glabris glaucis pallidis, margine subtus glandulis minimis nigris sessilibus et punctis lincisque pellucidis irregularibus notatis, flonibus maximis cymam terminalem efformantibus sepalis oblongo-lanceolatis acutis coriaceis glabris, margine acute denticulatis glandulosisque staminum phalangibus 5 caducis, stylis 5 longis in unicum coalitis glabris, capsula ovoideo-oblonga glabra, stylis terminata, 5-locularibus 5-valvi, vix calyce persistenter duplo longior — Crescit in provincia Choa Abyssiniae

U H (*Hoscyna**) SCHIMPERI Hochst mss ex A Rich I c — Glabrum caule arborescente, ramis teretibus glabris foliis oppositis, ramosis ternariis-verticillatis, ellipticis et oblongo-lanceolatis glabris integris subacutis, subtus pallidioribus, sesquiunciam et 2 uncias aut paulo ultra longis, 4—8 lineis latis, eglandulosis?, punctis oblongis aut lineolis brevibus pellucidis notatis, cymis paucifloris, flonibus magnis, sepalis brevibus semi-ovalibus acutis aut obtusis, integris glandulosis¹, glandulis stipitatis, staminibus pentadelphis persistentibus capsula ovoidea acuminata glabra 5-locularibus 5-valvi — Crescit in Abyssiniae provincia Ouodg¹ in sjlvu Goumasso, altitudine circiter 8,000 ad 8 500 pedum

* H (*liotcyna*) GNIDIAEFOLIUM A Rich I c 98 — Glabrum caule arborescente

(15 pedes alto), ramulis teronbus glabris, Coins parvulis approximatis opposms, oblongo - lanceolatis acutis integns, margine subtus glandulis paucis nigm sessilibus et punctis oblongis lineolisque pollucidis notniis, scsqmunciam longis, 3—5 lmeas latis, flonbus majusculis podunculatis, cjiuam terminalera pauciflorom ofTormoniibus, &epali* oblongis ovalibus, obtusis acutisve, margine mtegn glandulosjs, glandulis siipitaiis. sinmmibus subpersilentibus, copsula pviamidato-subconica 5-loculan 5-valvi — I resell in Abyssinia in plamtie momosa Mayc-Bocbha, oltitudine 8,500 ad 9.000 peduii, in provincia Ouodgerate

‡‡ II (*Diathys?*) NLRVATUM Hance, PI nov Austr Chin diagn med p 7.-* Herbaceum glabemmuu dodrantale caulibus tetragonis erectiuflicuhs subsimplicibus. foliis scsbilibus ovntis obtusis. basi subcordatis 5-nerviis integerrimis subtpliter pellucido-punc-lalis decussalis cymis axiUaribus et terminalibus Urns dichotonus. floribus peduncu-late vitellinis pedunculis 2—5-flons. basi bibracieolalis, sepalis persistentibus t>ubao-qualibus cglandulosis ovato - lanceolatis acutis nervosis obscure pellucido • punctatis petalis oblongis obiusis subinaequilaten calyce vu longionbus marcesoentibus po>t **anthesm** involutis stammibus circiter 20 libens persistentibus, stylis 3 divergentibus **capsula** 4-plo bievionbus, capsula oblongo - elljpsioidea uniloculan Irivalvi calyem adaequantc. semmibus indeflmtis. — Ins Hongkong Sinensiujn ad margines oryzeto-lum locisque humidis — *il Wighhano* Wall proxime affine

U II (*B*) *athys*) GYMNANTHUM Engelm ft Gray, Dost. Journ V pag 212 — Anouum taulu bimplici vel suporne raraoso erecto quadrangular!, folus o basi cordata ovali6 ovato - oblongisvo amplexicaulibus 5—7-nerviis pellucido-punctatis, cyma dichotoma pcdunculata stnctiuscula lanflora aphylla, semper folus IJoralibus *m* bracteis paivis Idnccolnto - Jubulati5 dinunuii flonbus pedicellatis, sepalis laoeolalis acutis peula bupcnnubus, &tamimbus 10—12, capsula ovato-comca calyem vix supcraile unilo-culan semmibus flavit longitudinalitor costatis. — Habitat in Texas et Louuiana

t Ieones adden^ae*

- II, GRAVIOLLNS Daikl — Torr Gen pi. Am sept I 213 tab 92
 II KALMIVNUM * — Torr Flor New York I 86 tab 13
 II PYRAMID \T(j)M An - rorr I c I 85 tab 12
 H SAHOTIIT V Miclu — Torr Gen pi Qor Am. sept I 213 tab 93

5465. EitODEA *Adam.*

(Wlprs Report I 390 II 809, Annal I 127,

- 1 'r MRGINICA iNutt - Wlprs Repert I 391 no 4 — Torr Gen pi flor. Am. sept I 215 tab 95

5466. VISMIA *Veliozo.*

(DC Prodr I 542 — Wlprs Repert I 391. V 144)

- I \ I LONLNSIS Hook fil Niger Flora pag 243 — Ramulis teretibus opposing velatmo-pubescentibus, folus potiotalis late elliptico - ovatis oblongo - lanceolatisve, utnque m_o'uslaili mombranaceis, supra glabratis, subtus fenugineo-tomentosis nigio-punc-tiis cymis axillanbus paucillons, pedicellis elongatis pedunculo aequilongis sepalis-que obiusis pubsoentibus, bacca globosa pulposa qujnqueloculan, oculis polysper-inis, scmimbu9 subcylmdraccis — Sierra Leone
- ^ V PANAMENSIB Duchass ct Walp. Lmnaea XXIII 748 — Arborea ramulis tetra-goms, petioliq, pedunculis calycibusque ferrugineo-tomentosis, folus breviter pctio-lans ovatis acuminaus, supia nilidis, subtus ex albo - fulvescentibus, lomentellis, cymib terminalibus pamrularis multiAons, ovrio globoso quinquosulcato — Pioxime accedit ad *V ferruginam* II B Knth (DC Piodr I 542 no. 8) quac iccedit foluj> elliptico-obloiiigis infia auico-lomenlcllis — Habitat in istbmo Panamensi
- J \ UVMLLIFLORA Miqu Stirp Sunuamens &clct 88 f — Ramis subcluidricis< ram-
 muli> tonipie^iu^cuus teneuimo a fugaciter puberuh* cito glabratto, loins breviter

petiolotis ellipticis tumkiatis, bail acoiis, membranaceis glabris, aupra nlttdis. subtus punctulatis, venis quinis scnisve patulis ante marginem unitis; cymis brevibus ei axillis etiam dofoliatis subfasciculatis paberulis; floribus breviter pedtoeilatis; »epalis oblongo-ellipticis obtusis pilis substelbtis puberulis; peialis crasie glandulosis ellipticis. extus glabriusculis, intue birtis; adelpbjis pilosulis, squamis hjrtellis. — Crescit in sylvis umbrosis in Surinam.

5467. PSOROSPEttMUIH *Spach.*

(Wlprs. Report. I. 391. Annal. I. 128.)

1. PS. FERRUGINEUM Hook. fl. Niger Flora p. 241. f— Caule tereti erecto; folijs brevissime petiolatis elliptico-obovatis oblongisve obtusis vel acutis, adultis glabralis, subtus reticulatis immaturisque utrinque ferrugineo-tomentosis. marginibus loviter revolutis; pedunculis axillaribus subtrichotomis pedicellisque rufo-tomentosis; sepalis obtusis pubeacentibus fasciculos staminum penlandros aequantibus; peialis intus sub-Mllosis. — Rami cortice pallide griseo rimoso tecti, ramulis ferrugineo-tomentosis. Petioli '» unc. longi. Folia 1—2-uncialia, ³/₄—1 unc. laia, aupra siccilate fusca sub-niida, subtus pallidiora, reticulatim venosa, pube stellata ferrugineo-subtomentosa. Cymao sub-12-florae, pedicellis post antbesin elongatis. % unc. longia. Flores 3 lin. longi. Audrophora ciliato-barbata. Daccae immaturaa globosae acuminatae quinqueloculares, loculis 3 vacuis, caeieris dispermis; testa seminis scrobiculata. — Crescit in Sierra Leone.
2. *PS. TENUIFOLICM Hook. ffl. — Wlprs. Ann. bot. syst. 1.128. no. 1. — Hook. fl. Niger Flora 242. f tab. 21.
3. PS. ALTENIFOLIUM Hook. fl. 1. xit. p. 243. — Glaberrhnum: ramis validis tere-tibus, ramulis crassis elongatis glaucis; foliis petiolatis, inferioribus alternis. omnibus obovato-oblongis obtusis aculisTe valde coriaceis, basi ongustatis, supra nilidis, subtus glaucis, reticulaiim venosis, sparse nigro-punctatis; podunculis axillaribus latera-libusve laxe paniculalis; paniculis di—trichotorais; sepalis.4—5 glaberrimis obtusis; petalis basi squamula minima auclis. apice inflexls acurainatis, intus subvillosrs; androphoris barbalis 5—7-andris; ovario-quinqueloculari, loculfs subbiovulatis; bacca abortu bi—triloculari, loculis dispermis; testa scrobiculata. — Frutex bipodalis. Ramuli diamotri pennae corvinae laeves glabemmi. Peioli 4—6 lin. longi. Folia erecta, superiora opposite, caetera alterna, 4—7 unc. longa, 3—4 lata, seniora rigida coria-coa, supra nitida venosa, subtus opaca albido-vel coeruleo-glauca. nigro-punctata. Baccae parvae, vix 2 lin. latae, calyco paulo aucto suffultae. Semina omniao ul ia *Ps, tenuifolio.* — Grescit in Sierra Leone.

5470. AWCISTROIiOBUS *E. Spach.*

(Wlprs. Report. I. 891.)

- I. 'A. LIGUSTRINUS Spach. — Wlprs. 1. c. — Lindl. in Hook. Lond. joura. of »ot. VII. 472. — *Elodea Chinensis* Hance in Hook. 1. c.

5471. TRI»ESMISL£. *Spach.*

(Suites à Buffon V. 358. — Liber a me non visus.)

1. *TR. FORMOSA Krthls. Verhandl. over de natnrl. Geschieden 179. f ub. 97. ft Flora W- Z.) XXXI. 579. — Foliis ellipticis v. ovalibus; floribus (aseiculatis v. solilariis. — In insula Sumatra.

5472. C R A T O H T I U M *Blume.*

(Blume, Bgdragen 143.)

1. Ch. POLYANTHUM Knhls. Flora (B. Z.) XXXI. p. 579. — Foliis ellipticis acuminates, basi acutis; squamulis acutis. — Crescit in Borneo.

2. CR. GLAUGUM Krthls. 1. c. — Foliis obovatis' vel ellipticis; squamulis obtusis cucullatis. — Crescit in Borneo.
3. CR. HORNSCHUCHII Blume 1. c. - Wlprs. Report. I. 391. — Krthls. 1. c. — Foliis ovatis acuminatis, basi obtusis, ulrinque glabris; squamulis obtusis cucullatis. — *Homschuchia hypericina* Blumc. Cat. pi. Buitenz. p. 17. — Crescit in iosisulis Sumatra et Java.

Ordo XXXV. CLUSIAGEAE *Undi.*

(DC. Prodr. I. 557. — Wlprs. Report. I. 392. II. 810. V. 114, Annal. I. 128.)

5437. 4UAPOYA *Aubl.*

(*Clusinc* S. 2. DC. Prodr. I. 559. — Wlprs. Report. 1. 393.)

1. <JU. SURINAMENSIS Miqu. Stîrp." Surinam, select. 92. f — Foliis breviter petiolatis obovalo-spathulatis, apice obtusis vel rotundatis, basi longe cuneatis, crasse coriaceis, costa supra medium evanescente, venis tenuissimis fere obsoletis; floribus basi bibracteolatis; sepalis sex vel septem, rotundatis concavis imbricatis, inferioribus multum decrescentibus; petalis quinque; floris feminei staminibus quinque nanis obovato-tuncatis compressis retusis; ovario pentagono; stigmati conico quinquesulco. — *Q. Pona-pinari* Miqu. haud Aubl. — Crescit in Surinam iirdistrictu Para ad Osembo.

5438. CAITSIA *Linn.*

(DC. Prodr. I. 558. [excl. S- 21 — Wlprs. Report. I. 393. II. 811. V. 144, Annal. I. 128.)

1. 'CL. GRANDIFLORA Spltgrbr. — Wlprs. Report. II. 811. no. 1. — Miqu. Stîrp. Surinam, select. 90. f tab. 25. 26.

5438A. AHTDROSTYMUM *Miqu.*

(Miqu. Stîrp. Surinamens. select, pag. 93.)

Flores polygamo-dioici bibracteolati. Sepala quatuor imbricala (colorata?). Petala quinque. *Fern.* Ovarium quinqueloculare, loculis multiovulatis; stigmatibus quinque peltatis triangularibus arcte conniventibus, basi androceo sterili, e staminibus conglutinatis annulari cinctum. *Masc.* Androceum e basi tumida columnare, apice convexo-capitatum antheriferum; antheris subplobosis numerosis imbricatis. — Frutex haud parasiticus, *Cluriarum* facie, calyce *Havetiae*, antheris *Mic antherae* aliquomodo accedens, filamentis (cum toro elongato?) in columnam apice antheriferam connatis inter contribuales insignis.

1. *A. FOCKEANUM Miqu. 1. c. f — *Clusia Fockeana* Miqu. — Wlprs. Report. II. 811. no. 2. — *Tovomita? myriandra* Benth. — Wlprs. Report. II. 810. no. 2? — Surinam.

5443. GARCINTIA *Linn.*

(DC. Prodr. I. 560. — Wlprs. Report. I. 394. II. 811, Annal. I. 128.)

1. G. FLORIBUNDA Miqu. Stîrp. Surinamens. select. 89. f — Foliis lanceolato-oblonge breviter apiculatis, basi acutis, margine incurvis (fere semipedalibus) coriaceis, venis prominulis reticulatis; floribus axillaribus e tuberculo numerosis; pedunculis filiformibus petiolum multo superantibus; sepalis duobus majoribus, duobus minoribus; petalis obovatis; staminibus 16—20, filamentis basi liberis; ovario hemisphaerico sulcato, stigmati sessili pileato pluriradiato. — Crescit in Surinam interiori.

5448. *CAIOPHTTXCM* Linn.

(DC. Prodr. I. 562. — Wlprs. Repert. I. 396. II. 811, Annal. I. 129.)

1. *C. MEMURANACEUM* Gardn. & Champ, in Hook. Kew gard. misc. I. 309. — Ramulis junioribus quadrangularibus glabris; foliis oblongo-lanceolatis obtusis vel obtuse acuminatis, basi aculis membranaceis; racemis unllanbus paucifloris, petiolo paulo longioribus; pedicellis pedunculo plerumque longioribus puberulis, basi bracteatis; bracteis linearibus membranaceis pedicellos aequantibus: sepalis quatuor; petalis octor drupa ovoidea. — Arbuscula ramosa, folia 3—3% poll, longa, 10—14 lin. lata, petiolus subtus convexus, supra canaliculatus, 3—4 lin. longus. Pedunculi 1—3-flori, scapala et petala obtusa, 3 lin. circiter longa, drupa 8 lin. longa. — Crescit iⁿ insula Honkong in monte Victoria,

Genus anomalum*

5448/a.. a *VIIUTA* Aublet.*)(Aubl. Pi. Guian. II. Suppl. 19. — Tulasne, Ann. sc. natur. [3 Ser.] VII. 377. ft XI. 156. — *Quina* Poir. Eneycl. VI. 34.)

Flores hermaphroditi vel abortu unisexuales diclinici, floribus diversi sexus in diversis ramis (dioici, monoici s. polygami?). Calyx ebracteolatus tetraphyllus, sepalis liberis decussatis orbicularibus, ellipticis oblongisve obtusissimis concavis, aestivatione imbricatis, marcescentibus, duobus (exterioribus) saepius minoribus. Corolla tetra- rarius octo-petala, toro nudo inserta, petalis (quaternariis) cum sepalis alternantibus, oblongisve sublanceolatis obovatisve, obtusis vel acutiusculis, glabris, vulgo liberis, rarius ima basi connatis, aestivatione imbricatis, sub anthesi inlexis patentibus veb reflexis caducis. Stamina 15—30 toro cum pelalis inserla h\pogyna biseriata, libera, rarissime breviter monadelphae simulqne petalofum basi adnata, erecta (etiam in alabastro), inclusa glaberrima; filamentis linearibus; antheris minutis globosis didymis, basi continuis, bilobis, longitrorsum birimosis, connectso crassiusculo; polline pallido. Ovarium in medio thalamo sessile bi—triloculare, loculoutroque biovulato, in floribus masculis prorsus nullum. Styli 2—3 apicales hnears crassi, introrsum longitrorsumque canaliculati; stignjatibus terminalibus oblique pellatis pertusis seu emarginalis. Ovula oblonga anatropa, dissepimenti ad basin collateraliter vel superposite affixa, ascendentia, funiculo brevi. Bacca subexsucca striata, interno pariete maxime fibrosa, unilocularis. (saltern in speciebus paucis fructigeris observatis), 1—2-spcrma. Semina globosa crassa, tegmento tenui subcrustaceo fragili, extus dense ferruginoso-tomentoso, intus glabraevi JJitente. Embryo semini conformis bicotyleus exalbuminosus, rectus nomolropus; cotyledonibus aequalibus crassissimis subhemisphaericis contiguis non conferruminatis, deorsum in caudiculum acutum brevissimum vix distinctum attenuato-conniventibus; plumula inconspicua. — Arborea frutescve, nonnunquam scandentes, omnes Americae tropicae ndigenae: foliis oppositis verticillatisque simplicibusque epunctatis, interrimis crenatisve, petiolatis, venosis et etiam subtiliter lineatis, venis enim tertiariis transversim et elegantissime parallelis; stipulis caulinis saepius magnis foliiformibus oblongo-lanceolatis setaceisve rigidis; floribus spicatis racemosis vel cymoso-paniculatis; anlhemiis terminalibus vel axillaribus. — Fructus character in solis 0. *obovata*, *macro-*

*) *Guina* C. Krüger (in Wlnrs. Annal. I. 116. nee Aubl.) a genere nostro differt floribus pemameris, ovarii quadriflocuUns locuhs umovulatis et fructu capsulari 3—4-valvi.

phylla et *Guianensi* observatus est.— Genus Clusiaceum, sed ob stipulas monomalum.

A. *UMSEXUALES.*

1. *Oppositifoliae.*

Flares in cujuslibet bracteae axilla jolilarii.

1. Q. *OBOVATA* Tulasne 1. cit. 157. f — Foliis ovalia obovato-oblancia, amplis, brevissime obtuseque acuminatis, deorsum in petiolum longiusculum attenuatis; floribus racemosis oppositis, longo pedicellatis exiguis unisexualibus glabris; racemae gracillimis adnodum laxifloris. — Crescit in Guiana Gallica.
2. Q. *LEPTOCLADA* Tulasne 1. cit. 159. + — Foliis ovato-lanceolatis longe acuminatis integerrimis subsessilibus glaberrimis; racemis brevibus gracillimis 2—4 - floris glabris; floribus oppositis longe pedicellatis glabris; sepalis angustis. — Crescit in Guiana Gallica.

* *Flares plures in singulae bracteae axilla.*

3. Q. *MICRANTHA* Tulasne 1. cit. 160. f — Foliis lanceolatis oblongo-lanceolatis. utrinque acutis, brevissime petiolatis; stipulis selaceis rigidis subpungentibus; floribus dioicis exiguis racemosis oppositis glabris; racemis exilibus.— Crescit ad ripas fluminis Amazonum.
4. Q. *POEPPIGIANA* Tulasne 1. cit. 161. f — Ramulis cinereis; foliis elliptico - lanceolato-oblancia, breviter acuminatis, basi acutis, curte petiolatis integerrimis glabris; racemis geminis erecto-patentibus, interrupte floriferis; floribus opposite fasciculatis, breviter pedicellatis; petalis reflexis. — *Fretiera dioica* Poepp. — Crescit ad ripas Uumini Amazonum.

2. *Verticillatae.*

5. Q. *MAGROSTACHVA* Tulasne 1. cit. 162. f — Foliis oppositis ternatis quaternatisve, longiuscule petiolatis elliptico - oblongis, brevissime angusteque acuminatis, acumine obtuso, utrinque glabris; floribus longe et interrupte paniculatis; paniculis bracteatis ferrugineo - tomentosis. — Crescit in Peruviae provincia subandina Maynas.
6. Q. *CRENATA* Tulasne 1. c. 164. f — Foliis quaternatisve verticillatis obovato-lanceolato-oblancia acuminatis repando-crenatis glabris; floribus paniculatis, interrupte verticillatis; paniculis terminalibus ferrugineis; petalis octoobovalis spatulatis*. staminibus creberrimis. — Crescit in Guiana Gallica.

B. *HERMAPHODITAE.*

* *Pelala libera inflexa; ovarium bicarpium.*

7. Q. *MACROPHYLLA* Tulasne 1. cit. 164. + — Foliis elliptico-vel obovato - oblongis breviter acuminatis. basi attenuatis, petiolo crasso brevissimo cinerascete; racemis simplicibus densifloris ferrugineo-tomentosis, floribus subsessilibus. — Crescit in valid Orinoci juxta urbem Concepcion d'Arana.
8. Q. *RHYTIDOPUS* Tulasne 1. cit. 166. + — Foliis ovalo-v. lanceolato-oblancia, utrinque acutis; racemis solitariis axillaribus laxifloris; floribus oppositis longiuscule pedicellatis majusculis. — Crescit in Guiana Anglica.

** *Pelala infra coalita, reflexa; ovarium tricarpium.*

9. Q. *FLORIDA* Tulasne 1. cit. 167. f — Foliis elliptico - oblongis lanceolatisve, breviter acuminatis acutis glabris integerrimis, petiolo brevi cinerascete; racemis axillaribus solitariis laxe floriferis; floribus solitarie geminatimve oppositis, longe pedicellatis; petalis simul et eum staminibus deorsum coalitis; ovario tricarpio. — *Fretiera* Poep. — Crescit in Brasilia boreali-occidentali seu Amazonica.

••* Species minus nota

- 10 Q GUIANENSIS Aubl Guian pi II Suppl 19 tab 379 — Tulusnc 1 c 168 f — Folus amplis ovato-oblongis acutis glabnis integemmis subsessilibus, bocca subrotunda umbilicata sublutea sriata disperma semimbus lerrugineo-iomento»is, plano-convexis — *Q Luyanensis* Poir — Crescit in Guyana Gallica

Ordo XXXVII. HIPPOCRATEACEAE *Juss.*

(DC Prodi I 567 — Wlprs Repeit I 400 II 812 V 146, Annal. I 130)

5700 HIPPOCKATEA *Linn.*

(DC Piodr I 5b? — Wlpis Reperl I 400 II 812 Y 146. Annal I 130)

- 1 II GLAGA Krthls Flora (D /) XWI p 580 — Carpellis oblongo-ovatis retusis conmbis tlichotomis folus oblonger'-ovalibus obtuse acuminaiis \el acutis Integernmis, — Crescit in Borneo occidental]
- * H SALACIUDES Krihls 1 cit p 580 — Honbus pamculatis folns ovalibu* acuminaiis serrulaus — Sumatra
- 3 H SCHIMPLRIANA Ilcobst a Steud mss ex A Rich Tent fl Abyssin. I 99 tab 22 — Folus breviter peliolatis ellipticisrobtusis, saepius basi abrupte desinentibus conaceis nitidis glabns, margine integns aut obsolete serratis, 2—5 uncias longis, I ad 2y₂ uncias latis flonbus cymas termmales folus breviores dichotomas pubentes tHbrmanlibus, calvcis minimi cupulacformis sepahs orbiculan-oblu&issimis petalis abiupte unguiculalis sublnangulan-oblongis, coiiaceis, staminum filamentis basi dilatalis, cum disco coalilis. fiuclibus oblongis, opice lationbus emargmatis, conaceis sinatis glabns — Crescit in Abyssimae provincia Cboa et m valle tnta montem Selleuda prope Adoua
- 4 H. ROTUNDFOLIA Hook 01 Isiger Flora pag 279 f — Caule tertti scandente? cortice laevi loins peolati^ late oblongis rotundntisve obtusis vcl subac^Bnatis rugosis, utrinque relicUtis conaceis pamculis axillanbus terminahbusque dicholomis, ramis erectis elongatis petalis rotundatis concavis, disco depresso concavo, anihemis 4-lo-batis ^xtrorsum dehiscenlibus — Crescit in Sierra Leone

5702. SAIiACIA *Linn.*

(DC Prodr I 570 — Wlprs Report I 400 V. 146, Annal I 130)

- 1 * > AFFINIS Hook fit Niger Flora p 281 f — Ramis teretibus, cortice pallide rufo ^errucis quadnlobis pallidis dense consperso, folns suboppositis altenusque petlolaua elhpuco-oblongs ocumindlis, basi angustatis subintegerrinus conaceis, »upra luridls aubnjtidis, sublus pallidionbus, venis reuculdiis pedicellis axillanbus foaciculatis uol-fions gracilibus, petiolum superanlibus, alabastris cylindraccis. lobis calycims late oblongis obtusis apicibus incur vis, disco conico. filamentis planis elongatis — Crescit m Sierra Leone
- * s CORNIFOLIA Hook fl 1 c p 281 f — Ramis teretibus, cortice gnseo verrucu-^to, ramulis laeTibus glabemmis. folus oppositis peliolatis ellipticis utrinque angusta-^{ll}». apice obiusis, ranus elliptico-lanceolous, longe acuminaiis conaceis, supra mti-^is, subtus pallidionbus reticulaus. margine tenuier recurvo obscure sinuato-serrato, pedicellis 2—3 axillanbus validis umfloris, peliolo longionbus, alabastris globosis. disco depresso annulan, filamentis brevissimis, antbens iima hippocrepiformi extror-«um hiantibus vix bilocularibus. baccis parvis p>nformibus tnloculanbus — Crescit 'Q Sierra Leone

II

- 3 S. *ELONGATA* Hook fil 1 c p 282 f — Ramis validis obvio luberculatis vel granulatis, ramulis laevibus ad axillas foliorum jcompiessis folns petiolatis oblongo-obovatis elongatis, basi angustatis, apice rotundatis vel *ubacuminatis obscure sinuato-serratis jntogerrunivse, supia niidis, sublus pallidionbus opacis consents, pedunculis aillanbus, fructifem peliolo longionbus — Crescit in Si Thomas, insula ad oram Africae iropirae occidentalem
- 4 S (?) *RUFESLENS* Hook III 1 c p 283 f — Ramis teieubus laevibus stnatis, ramulis creberrimis laevibus breviter petiolatis submembranaeis elliptico-oblongis %d oblongo-lanceolatis utnunc angustatis obtusis, siccitate subcrispatis iufescentibus sinuato-dentatis, pedicellis solitarius binisve aillanbus unifloris, petiolum superantibus alabastus globosis, lobis calycis pctalisque (?) rotundatis anthesis transverse elongatis — Sierra Leone
- 5 S *PRINOIDES* DC Piodi 1 571 no 8 — Kuhn's Flora (B Z)XXXI. pag 579 — Foliis ellipticis obtuse acuminatis, basi angustatis serratis, pedunculis unifloris aggregate, floribus tandem, disco superne attenuato — Crescit in Java et Sumatra
- b S *MACROCARPA* Krthls I c p 579 — Folns ovah-oblongis mucronulatis-aculis basi obtusis subserratis, pedunculis breviter racemosis multifloris, raro unifloris floribus tandem, disco profertur — Habitat in insula Borneo
- 7 S *POLYANTHA* Krthls 1 c — Folns ovahbus obtuse acuminatis, basi acutiusculis, obtuse serratis. pedunculis unifloris aggregatis, floribus tandem — Crescit in Borneo
- 8 S *OVALIS* Krthls 1 c p 579 — Folns oblongo-ovalibus breviter et obtuse acuminatis, basi aculis subintegerrimis, pedunculis aggregatis unifloris, floribus tandem — Crescit in Java occidentali-boreali
- 9 S *KALAHICENSIS* Krthls I c p 579 — Folus ellipticis acuminatis, basi aculis serratis, pedunculis unifloris aggregatis. floribus tandem — Crescit ad lacum Kalauen in Borneo
- 10 S *EXSCULPTA* Krthls 1 c p 579 — Folns oblongo-ovahbus obtuse acuminatis, basi dentiusculis, integerrimis vel obsolete serratis, pedunculis unifloris aggregatis, floribus tandem, latere disci exsculpto — Crescit in Sumatra
- 11 S. *MACROMYLLA* Miqu Stirp Surinam select 85 f tab 23 — Folns late ellipticis oblongis apice rotundato abrupte in apiculum breviter canaliculato-complicatum contractis, margine leviter incurvo integerrimis (ad lentem sphacelato-erosum). conaceis glabris laevibus, venis patulis supra prominentibus, cymis ramulos laterales terminantibus densis ramosis multifloris rubiginoso-tomentellis, calycis lobis rotundatis petalisque obovato-rotundatis conaceis puberulentis — Crescit in Surinam ad fluvium Marrowne

5703. *tiACEPteUBA* // *B. Knth.*

(DC. Prodr. I 571)

- 1 *L *INSIGNIS* I! B Knth — DC I c 572 no 1 - Hook Bot. Magaz tab 4459

Ordo 20TIII. ERYTHROXYLEAE *Knth.*

(DC. Prodr. I. 573. — Martius in Wlprs. Repert. I. 403. II. 81?.)

5597. ERYTHBOXYI; OIY L

(DC. Prodr. I. 573. — Wlprs. Repert. I. 403. II. 812.)

- 1 C. (*Sparo&anlha*) MACROCHAETUM Miqu. Linnaea XXII. 798. + - Glabrum; foil* breviter petiolalis ellipticis vcl obovalo-ellipticis obtusis vel acutiusculis submicro-QulaUs, basi acutis, membranaeois, subtus glaucescenti-pallidis, veais erecto-patulw subobsoleiis; stipulis fuscis coriaceis anguste lanceolatis, lonjje pallidcque tri-, raro lusetis; rawemis conformibus brevioribus; caJycis loiiis lanceolaiis acutatis; petalis obovdllis ooncaviusculis. — Crescit in Brasiliae provincia Bahia.
- 2 E. (*Engyanthq*) CAFFRUM Sonder, Linnaea XXIII. 2%. f — Glabrum; raa|ls teretibus, ramulis compressis; foliis brvissirae petiolutis ovato-vcl obovato-oblongia emarginalis. basi acutis subcoriaoeis reliculato-venosis lucidis, stipulis aculissimis petiolum dimidium aequantibus; pedunculis 4 — 6 in apice ramulorum aggregati» flores duplo superantibu8; calyois laoiniis triangularibus; petalis obovulis; Btaminibus stylos apice mcrassatos superantibus. — Port Natal.

Ordo XXXIX. MALPIGHIACEAE *Juss.*

(Adr. Juss. in Wlprs. Report. V. 147 — 357, Annal. I. 130.;

I. IfMXPI^HIA *Plum.*

(A. Juss. in Wlprs. Report. V. 151, Annal. I 130.)

1. M. HETEROPUYLLA Grsbch. Linnaea XXII. 2. f — Foliis ovato-lanceolatis acutiusculw idtogecriinis, supra glabris, «ublus sparsim setigeris, deuaura glabrutit, margine glanduliferis, bractcanlibus orbioularlibus; umbellis quadrifloris; oalyoe glaadulifero; fruciu....? — Species afUnis *M. Galooltiana* A. Juss., foliis biforaribu* demum glabris, subtus eglandulosis ot petiolis longioribus distiacta. *- In Mexico.

II. JBYSfSOHTJUHA *Biah.*

(A. Juss. in Wlprs. Report. V. 156.)

- 1 «. RUGOSA Bnth. in Hook. Lond. journ. of bot. VW. ^18. — Foliis ofcovaUs, basi auutis bullato-rugosis. supra glabratis vel ad venas pulverleniis. subtiis rufo-toq}entosis et ad cosiara hispidis; stipulis petiolo longioribus; culyce 10-glanduloso; antheris parce hispidis, connectivo ultra loculos producto; ovario apice birsuto. — Rami eras si, novelli pilis rufis dense hispidi. aduki glabrati. Folia 5—7 poll, longa, 2—3 poll. lata. apice saepius breviter acuminate, basi longiusoule angustata in petiolum brevem, supra glabra, nisi ad basin cosiae mediae pilulis minulis pulverulenta nitida, inter venas bullata, margine revotata, subtus midique tomento brevi rufescentia, costa venisque primariis valde elevatis et uti petiolus pilis longi« rufis rnagis ninusve hispidis. Slipulae ~~avillares~~ (ex 2 coalltne) 8—3 lin. longue, extus pilosae. Racemi ut in *Coleostachyde*

- bo si bracteis 2 stipulaeformibus vaginantibus stipati semipedales fere a bast flonfen, ihachi pedicellis que ferrugineo-tomentosis Bractea et bracteola omnes e specimine delapsae Callicis glandulae magna lacrima extorsum revoluta vix linea brevior — Petala valde inaequalia. majora caetero plus triplo longiora Filamenta brevissima, basi pilosi et coalita Ovarium ipse dense, basi parce pilosum Fructus ignotus — Crescit in Guiana Britannica
- i B PROPISQUA Benth 1 c 120 — Folium breviter petiolatis ovato-oblongis acuminatis basi acutis glaberrimis vel novellis subtus pilis parvis conspersis, venis primariis nervis 10-glanduloso antheris glandulis connatis ultra loculos vix producto. ovium apice piloso — Affinis varietatibus grandifolia *B. spicatae*, sed petiolus multo brevior et ovarium pilosum Haud etiam absimilis specimen Martiano *B. bumehacfohae glaberrima* sed in hac etiam ovarium glaberrimum Folia *B. propisquae* 3—5-pollicaria venis It *tjneatae*, inflorescentia etiam consimilis bractearum minores — (rescit in Guiana Britannica)
- 3 B HOSTWAWI Benth 1 c 120 f — Folium oblongis elliptico-lanceolatis acuminatis basi acutis subconatis, supra glabris, subter adpressis ferrugineo-pubescentibus, venis caetero subparallelis calyce deinde glanduloso antheris glabris, connectivo ultra loculos breviter producto ovario glaberrimo — *B. lanceolata* Miq. Linn. Willd. 602 (an DC ?) — Habitat in Guiana Batava
- i B CERAMHERA Benth 1 c 121 — Folium obovato-vel oblongo-ellipticis vix acuminatis basi acutis glabris, praeter costam subtus pilosam petioli ramulisque novellis rufopilosis raris 10-glanduloso antheris hirsutis, connectivo clavato ultra loculos producto, his in acumen longum desinentibus ovario apice piloso — Arbor 20-pedalis Itamulio subtoietes novelli, petioli et stipulae pilis lufis adpressis vestiti rami adulti et interdum etiam petioli demum denudati Stipulae axillares breves latae extus multosati Folia pleaque semipedalia, 2—3 pollicum lati petiolo 4—6 lineis longo apice acutatis vel raro rotundatis mine breviter acuminata, consistentia chaitaceo-subconacea adulta utrinque glabra, juniora subter ad costam rufopilosa et novella pilis minutis pubescentia siccitate rufescentia, supra nitida, reticulato-venosa, Aenis majoribus in calicibus sat distinctis Rami 4—5-pollicares, rami bracteis pedicellis que fructibus in calicibus Bractea et bracteolae breviter in sinu semiobliquae Flores immixtae Calicis lacinae latae obscurae rufopubescentes Petala alba inaequalia tosa-alba Antherae luteae pilis adpressis tectae lineares, apice loculis in acumen in summo connatis subter liberum productis quasi biconis Ovarium superne pilosum, basi fere glabrum — Crescit ad flumina Essequibo et Ripunon Guianae Britannicae
- 5 B INUNDATA Benth 1 c 122 — Ramulis novellis ferrugineo-tomentosis, mox glabris folium ovatis oblongis sublanatis obtusis, basi cuneatis rotundatis subconatis glabris reticulato-venosis supra nitidis calyce 10-glanduloso, antheris pilosis connectivo clavato loculos breviter mucronato-acuminatis superante, ovario apice piloso — Frutex ad ripas fluviorum et vulgo in locis inundatis crescens Ramuli longati, foliorum panibus distantibus Stipulae brevissimae latae acutae Petioli breves Folia 3—5 pollicum longa 1—2 pollicum lata basi raro acuta, venae primariae irregulares, pagina inferior glaberrima sed squamulis minutis rufescentibus Pedicelli subsessiles solitarii vel gemini, 4—5 lineis longi uli rachis tomento minuto lufescentes Bractea minutae Calicis lacinae breves latae, pubescentes rufescentes Petala alba inaequalia pallide rosea Antherae luteae — Crescit ad Rio Negro
- 6 B FONCINNA Benth 1 c — folium glaberrimum vel pilis in petioli ramulisque perpaucis foliis ovatis vix acuminatis, basi acutis caetero nitidis bracteis ovatis submerabranatis calyce 10-glanduloso glaberrimis antheris glabris connectivo clavato ultra loculos producto ovario glaberrimo — Hinc *B. dentatae*, hinc *B. vacciniifoliae* similis Folia quam in hac majora. minora tamen similia *B. densae*. antherae ab utraque diversa Folia plerumque 2-2%-pollicana, 1-1% pollicum lata, utrinque viridia reu-

lato-vtnosa, pctiolo 2~3 lin longo approve ulloso vel glabro Supulae breves lata? ohiusac Racemi 2—4-pollicarcs densi vel basi interrupti Pedicelh 2-r-4-m bcsiles fractae lacves o\alne obtusissunae infenores 2—3 lm longae, bractoolae similes sed miñores Caljx glabcrnmus nee pili ulli in flore apparent nisi circa ovantum et in tubo stamineo Antherne ob ongae recunae connectivo breviter producto — Crescit in Guiana Brilannica

T. B DRACTROF VRIS Dnth 1 c 123 — Folns o\aiis obovatisve vn acuminate, basi acutis conaceis mtidulis bincteis o\aii* ihachi, pedicellis cahceque 10-glanduloso rufo-villosib, anther^ glabns connectno cln\ato loculos subduplo supciante. ovano glabcrnm — Species purao iniuiiu lnuri ab^milis, scd folia basi ncutn et subtus glabcrnma Fru(c\ videtur ramosissimns Ramuli no\elh rufo - villosi, moi taraen glabciati Folfe 2—3 poll longa, 1¹/₂—2 poll, lata, oblusa vel brevissirae et obtuse acuminata, vems pinnanis a costn valdc diveigentibus numerosis Petioli 2—3 lin. longi. Mipulae parvac Racemi 3—5 poll longi, pedunculo, rbachide pedicelhsque dense ferrugineo-viUosis Bractee persistentes 1—1¹/₂ lin longae crassiusculae puboscentes, >pito recurvae, mfeiiioe? siepo in foliolum petiolatum 2—3 lin longum excrecentes. Hiactcolao consimiles sed minores Pdcicelli bievcs lecuru sessiles, solitaru vel gemini Calycu* lacimie oxtus dense uifo-villosne Puali paulo majora us *B densae* Annulus siamincus denso rufo-Mllosus Aniherae us *D densae* subsimiles, loculi tamen ratione connectivi majores Orupa fere globosa glabia, 3 lin diametro — Crescit m Guiana Bntannica

⁸ H SCHOMBURGKIAN\ Bnth 1 c — Foliis obovah-oblongis brevitei acuminatis, basi acutis chartaceis glabro petiolis brevibus rufo - MIOSIS , bracteis linean-lanceolatis, pedicellis calyceque 10-glanduloso ullosulis, anibens birlis connectivo clavato recurvo loculos superante, ovano glabeiurao — Arbor rainulis ullimis abbreviate, novellis dense rufo-villosis, rarais glabratis Foli< ad apices lamulorum conferta, 4—5 poll lon^a, V/t—2¹/₂ poll, lata, apice rotundata et \ulgo in acumen breve acutum producta, sat tenuia, glabra at non in tula, subtus dense oblecta squamellis minutis et >>icitate canescentia ^l palhde rufescentia Ptilioli breves, pilis rufis subappressis dense vestiu Racemi km, majoics seimpcdaleh Pubes pedunculorum et caljcum tula, la\e subadpressa, facile drtcigibilis Biactee 1¹/₂—2 lin longae, quam in omnibus afflmbus angusiores, membianaceae, bractcolae consimiles scd bieviores Pedicelh sessiles, solitaru \cl gemim Caljcis lacinae laiae suborbiculatae Petala fnajuscula palhdo rosea Antherae lineares fla\ae — Ciescit in Guiana Bntannica

⁹ B SCSSILIFOLIA Bnth 1 c. 124 — Foliis sessilibus obovatis glabns, inflorescentia iulo-villosa, cahcis 10-glandulosi lacimis extus glabns, intus villosis, antheris apice birtis, ovano glabemmo — Folia illis *B Schomburgkiancw* latiora, obtusiora lmo saepe retusa, crassiora vix tamen conacea, versus basin angustata et ibidom oblusa, >n lamulo glabro arete sessilia Slipuhe breMs^unac lalae Raccmus tnpollicans Braccae ovatae. Flores majusculi Calyces ab omnibus *Bij) wnums* differunt lacimis '>>tus, nee extus villosis, pili eiiam pauci adsunt in tubo calycino inter glandules ex-Tiores Antheiae in omnibus flonbus ab inscctis magis minusve apice laesae, sed lineares videnlur, connectivo clavato ultra loculos breviter (vel vix?) producto — Ciescit m Guiana Bntannica

¹⁰ B LOLEOSTACH\A Grabch Linnaea XXII 3 f — Ramulis junionbut rufo - hispidis. foliis ellipuco-oblongis obtusiuscuhs. basi subacutis petiolatis, supra glflbratis, subtus 'ufescenti-villosiuscuhs. stipula majuscula petiolum paulum excedente, oalyce glandulifeio, petalis aurantiacis, aniherae hispidiusculae. connectivo oblongo loculos excellente, ovano hirsute — Proxima *B. stipulaceae* Adr. Juss., caljce 10-glanduloso di-Mincta. — Crescit m Guiina Anglica ad flumen Cuyum supenus

¹¹ B RETICULATA Kltzsch tt Karsten mss. ex Gneseb]. c 6. f — Ramulis glabnus-°ulis, folus obovatis obtusis m petiolum breviter altenuatis^conaceis glabns, subtus pullidionbus et venoso-reticulatis, calyce glandulifero petalis rubris, antherae connectivo apice conoideo aculiusculo recurvato loculos glabros apice breviter mucronulato duplo superante, ovano glabro — 4 *B Trtmtensi* Adr Juss s\millima ntedisuncu

esi arbor 50-pedalis. foliis subtus reticulatis et antherae loculia glabris mucronulatis. — Crescit in Venezuela.

12. B. *OBVERSA* Miq. Stirp. Surinamens. select. 76. f — Ramulis petiolisque juvenilibus oppress* puberulis; foliis modice petiolutis elliptico-obovatis obovatisque, apice late rotundatis, raro obtuse subapiculatis, basi cuneata vel acua in potiolum decurrentibus, utrinque glabris, supra nilidis, subtus pallidis venulisque circiter dens erectopatulis tenuibus; racemo terminali pedunculato subsericeo-hirtello; braciis bracteo-lisqueovan's oblusis hirtis; floribus modice pedicellatis'; calyce decem-glanduloso liir-U'lo; petalis rotimlatis basi subsagiltnto-cordatis; antheris appresse birtcllis, apice bicornulis. — Grescil in Surinam.
13. B. *BLANCH KUAN A* Miq. Linnaca XXII. 799. f — Foliis densis brevissime peliolatis pnrvis obovnto-elliptici.* vel obovalo - rhomheis obiusissirais, basi acuffs, rnarginibus incurvis coriaceis egtandulosis, supra nilidis puborulis, subtus incano-vol lutescenti-luiiiciitosis, costae pilis fuscis; racemis fusco-hirtcllis; calycis glandulosi lobis oblon-iro-ovatis oblusis. adpresse.pilo.?is; pclinlis obovalo-rotundatis unguiculatis, subintc-j-enirnis; filamentis complnnalis autice liirtis; antheris oblongis connectivo subclavato sup era tis parcequo pilosulis; ovrio glabro: stylis stamina superantibus, — Crescit in Drasilino provincia Bnliia,

IV. COIKOSTACHYS *Adr. Juss.*

(*Adr. Juss. in Wlprs. Reperl. V. 178.*)

1. C. *VESTITA* Unlit, in Hook. Lond. journ. or bot. VII. 124. — Ramulis novellis raccino-que rufo - villosissimis; foliis ovali - oblongis ellipticive orassis supra villosissiuis. subtus dense lanatis; racemo simplici, calyce 10-glanduloso; staniinibus glabris. — Frulex 15—20 - pedalis. Raniuli novelli pilis longis mollibus rufis dense vesiiti, adulti denudali. Stipulae circa 9 lin. longae, cum peliolo et inter se usque ad medium vel ultra connatac, ramulum vaginantes. parte libera ovata acuminata. membranaceae stnaetae, pilis longis molliter villosae. Petiolorum pars libera 2—3 lin. longn, dense villosa. Folia l'A—3 poll, longa, 1—1¹A poll. lata. apice obtusa vel breviter acutata. mucrone molli terminata, lmsi obtusa vel subcordata crassa mollia, supra pilis rigi-dulis dense velutino-vel subsoriceo-villosissima, subtus lanugine intertexta albido-rufescente dense ohtecta. Racemi 3—4-pollicares floribundi, basi bracteis 2 stipulis summis brevioribus vaginati. Rhachis villis mollibus ferrugineis patentibus vestita. Bractea el bracteolae parvae lanceolalae caducissimae. Pedicelli solilarii vel geniini sessifes, 4—5 lin. longi ferruginco-villosi. Calyx florens vix 2 lin. longus quinque-partitus, segmentis basi crassiusculis, apice membranaceis villosissimis, glandulis parvis, fructifer valde auclus quasi quinquealatus, sgraentis 6 lin. longis, basi profunde cordatis ovatis acutiusciilis vel suboblusis membranaceis reticulato - venosis rufscenli-bus, pilis paucis sparsis liirtis. Petala quinque lutea, calyce florifero duplo longiora. parum inaequalia, glabrn, lamina ovato-cordata, margine crispula, leviler creuulata. Stamina ocio (an interdum 10?) glabrn libera, illamenta inferne dilatata. Antherae filamentum subduplo breviora, connectivo crassiusculo loculos excedente, his terminotis aristula rigida fusoa. Annulus pilorum longus et densus inter stamina ct ovariuu. Ovarium glabrum subglobosum triloculare, loculo uno alterove interdura abortientie. Styli tres filiformes acuti. Fruclus spliaeroideo-sublriqueier iinteger, indobiscen\$?> extus venis elevalis reticulato-rugosus crustaceus 1—3-locularis. Semina fuoiculo brevi appensa. Integumentum tenue. Coyledones planae carnosao, altera paulo nia-jore. basi margine in alterum recurvo. Radicula accumbens. ail apK;em fructus sppcinns..— Crescil iu montihu-s Guianae Brilauniceae

Nn BltKPHARAITBRA *Grsbth.*

(*Gjiseb. Linnaea XXII. 7. *)

Calyx quinquelidus eglaudulosus. Petala quinque, limbo oibicularj-
Stamina riecem, omnia fertilia, filaments barbatis, antheris exappendl-

culatis, ciliarum longarum serie cinctis. Charium triloculare gfabram, carpophyllis connexis exappendiculatis. Styli 3 distinct], apice attenuato acuti. Fructus ignotus. — Arbor Guianensis: foHis oppositis petiolatis coriaceis, subtus pruinosis, stipulis axillaribus magnis liberis, utrinque geminatis. Raccmi levminales, stipulis basi involucrali, pedicellis fasciculatis, basi articulatis et bracteolatis, pedunculo communi brevi ab axi racemi distinctly. — Genus nondrnm satis notwn, *Coieostachydi* soli eique eximie stipularum indole, calyce ct floris fabrica accedens, distinct um tamen inflorescentia terminal], stipulis discretis et caractere artificiali e staminibus petito.

1. **B. HYPOLEUCA** Grsb. 1. cit. 7. f — Ramulis laevibus; foliis cordato-ovatis, apice rotundatis, supra lucidis, subtus crustacco-albidis; racemo rufo-tomentoso. — *Cofeos/a-chys hypolmca* Bnth. in Hook. Lond. Journ. of bot. VII. 125. f — Crescit in Guiana Anglica in montibus Roralma.

VIII. **CtAIIPHIMIA** Cav.

(A. Juss. in "Wlprs. Repert. V. 182.)

- I **G. LINIFOLIA** Asa Gray. Gen. pi. Am. bor. ill. II. p. 196. t. 173. & Boston Journ. or nat. hist. VI. 166.— Humilis: caulibus gracilibus e basi pubescente herbaceis gbbeJiis; foliis glabris glaucescentibus lanceolatis vel linearibus subsessilibus (inflmis saepe oblongis vel ellipticis in petiolum angustatis), juxta basin i^inque uniglandulosis repando-subilenticulatis vel iotegerrimis; racemis laxis; pedicellis basi articulatis; petiolis flavis ciio rubris. — Habitat in republica Tezensi.

IX. **S P A C H E A** Adr. Juss.

(A. Juss. in Wlprs. Repert. V. 187.)

1. **SP. TENUIFOLIA** Grsbch. Linnaea XXII. 9. f — Foliis lanceolatis, subtus albido-punctulatis; racemorum axi rufo-villoso, secundariis supra basin articulatis subbiQoris; bracteola alt era in glandulam desinente; floribus decandris; petalis parvis roseis ciliatodeniiculatis; stigmatibus disco subbilobo truncatis. — A. *Sp. parviflora* differt floribus decandris, a *Sp. perforata* foliis non pellucido - punctatis, ab utraque inQorescentiae Renere. — Grescit in Guiana Anglica in ripa flumfnis Takutu.

X. **BUSTCHOSIA** Rich.

(A. Juss. in Wlprs. Repert. V. 189, Annal. I. 130.)

- * **B. (\$ 1.) MOLLIS** Bnth. in Hook. Lond. Journ. of bot. VII. 127. + — Foliis ovatis breviter acuminatis, subtus ramulisque molliter villosis; oalyce 8-glanduloso; ovario triloculari ghbros; stylis distinctis. — Frutex 12 — 18 -pedalis, ramis subscandentibus. Ramuli novelli dense villosi, adulti magis minusve glabrati. Stipulae mioutae intra villas petiolorum absconditae. Petioli raro linea longiores, dense villosi. Folia 9—5 poll, onga, 1/a—3 poll, lata vel suprema minora, ex ovato rhomboidea, pleraque breviter acuminata, infra medium angustata, ima Jasi *aepius obtusa, moUiter herbacea, novella utrinque dense villosa. ndulta supra fere glabrata. PU* parlium juntorum «urati. Racemi ad apices ramulorum axillarium diphyllosum solitarii, 2—4-pollicares flavo-villosi. Bractae breves villosae. Pedunculi infra articulationem vix liueam longi bibracteolati, bracteola una vel saepius utraque glandulifera. Pedicelli circa 4 lin. longi. Flores magnitudine *B. nilidae* vel paulo majores. Calycis glandulae majusculae, omnes distinctae, laciniae membranaceae, extus priosulae. •Stamina, recceptaculum et ovarium Slaberrima. Styli a basi distincti, «pioe tmncati et subcapitato - sliigmatiferi. Fructus ignoti, Bed ovarium jam post anihesin auotum Bubglobosum est carnosum et laeve. — Crescit in Pirarara Guianae Britannioae.
- * **B. SQUARROSA** Grsbcb.-Linnaea 'XXII. 11. + — Foliis ovato -teoceolatis •cutiosculis ~~Rh bntu~~ ooriaceis; pedicellis medio articulatis et bibracteolatis; bracteolis orbicwlaribus

squarrosis, basi glandulosis, talyce dccemglanduloso ovano triloculan glabro stjlis distmctis — Crescit in Venezuela in Savanna pi ope Carom

- 3 B (g.2) HYPOLEUCA Miq Stip Surmamens select 77 f—Rarnis \errucosis, ramulis, petiohs folusque subtus sencanli-pubescentibus, his junionbus supra pilis ranoubus conspersis adultisque glabns, oppositis modice petiolatis lale subovato-ellipticis, acute acuminatis, basi rotundatis, margimbus subcrispulis, petiolo apice biglanduloso, race-rms axillanbus terminalibusque pube&cenlibus pedicellis (pedunculis partialibus) op-po<utis et alierms, bracteola una \ulgo glandulosa, caljce ciliolato novem-glanduloso lllamenus basi dilatatis imaque cohaereulibus, o\ano stjloque piloso - pubescentibus stigmaiibus semiorbiculatis pellatib. — Crscit in Sunnam

WIL STICMHAPHYIiliOlr *Adr. Juss.*

(A Juss in Wlprs Report V 202, Annal I 130)

- 1 ST LATIFOLIUM Bnih in Hook Lond journ of bot VII 128 f — Foliis ovato-sub-orbiculatis, basi lale coidatis breviter acuminatis obsolete angulatis el minute ciliolatis, ulrinque glabns \el |n ad \enas puberulis, anthers glabns, stylis apice foliace»s samaiis puberulis a latere cristalis, ala oblonga divancata, bas-i anlicc appendiculata — Affine *S uliato* ct piaeseilim *S Humboldtano*, a priori impnms foliis basi sum \alde aperto nee profunde cordatis, ab hac glabriue diTert Folia majora 3 — 4 poll longa et lata, 2>superiora minora et angustioia. Pctioli apice biglandulo^i Rami flon-fen compressi. apice bis ter\c dicholomi Folia lloraha raro pollicana, basi acutn Umbellae sessiles \e^tirminales nullifloiae Caljces uli tota inflorescencia puberuli Cacieium flores et inflorescentia ^alde similes us *S Humboldtianae*, cujus foraan cm lonna glabrescens Samarae in specimnc nondum maturae jam ala 9 lin longa do-natae — Crescit in Surinam.
- 2 Sf PURPUREUM limb 1 c f— Foliis late coidiformibus suborbiculatis obtusis mucio-natis, subtus pube brew nitentibus, anthers glabns, stylis apiCe foliaccis, samarae puberulae laienbus tuberculatis vcl obscure cristalis, ala oblonga basi mlroisum ap-pendiculata — *S Maitiano* et *S Htchardiano* afflne, a pitore diTert folioium forma ct samaris non cnstatis, multo magis convenit cum descnptione Jussiaeana *S Ricliai • diani*, sed petioli longioies ct petala atropuipurea, ungue tan tum leviter lutescente. Folia 2—3 poll longa ct lata, supra glabra vcl ad cosias puberula, non nitidd, subtus pube nitente canescencia \el albida Petioli supenorum 1/« poll , mfenorum 2 — 2 1/» poll longi puberuli, apice subius biglandulosi, stipulis latis caducissimis Rami flonfer¹ 1—6 poll longi apbjlli (foliis ncmpe floiaibus ad bracteam biglandulosam reductis) apice bis ter quatenc di — tnchoiome ramosi, umbellis in axillis ramoium sessilibus et iamulos teimmantibus 4—8-flons Pedunculi 1—1¹/_a lin loogi. uti pedicelli duplo longiores puberuli, ad articulationem bibracteolali Petala 3 maiora cucullalo-concava, margino leviiicrcnclato - flmbnata Antherae glabcmmae. Sijli apice foliaceo - dila-tati Samarae facie intenorc concavao, extus adpresse pubescentes, a lateie nudeae >el obscure tuberculato-cristatae, ala divancata pollican, mc dio5hn lata glabrescente, appendicula baseos lineam longa, 2 lin lJta obtusa — Crescit ad Piraia in Guiana

t loon addenda.

- 1 ST CILIATUM *Adr Juss* - (Wlprs Reprt V 205. no 7) — Paxt Magaz. of boi XV 77 (c ic)

|||. BAJVISTERIA // *B. Knth.*

(A Juss in Wlprs. Reprt V 222)

1. B. LUTEA Ruiz _{mss} cX Gnsch. Linnaea XXII 15 f — Foliis ovatis acuminatis, basi acutiusculis, supra pubemlis, subtus tonientosis longe peiolaus. petiolo apice bigl<''' dulo, umbellis quaduflois in paniculam racemiformen dispositis. pedicellif'' basi #. r ticulatis tnbroctolatis, calyce eglanduloso. petalis ciliato - deniiculatis glabns ^{utis} anthers glabns stylis pube patula mferne hirsutis superne glabns samarae ^{pubes-}

- centis laterc lobulatio - muncaio ala inius ad basin appendice acuta aucta — Crescit in Penivia in nemonbu⁹ Sladiuin
- 2 B CRISTATA Gisbch 1 cil 16 f — Foliis ovatis breviter acutatis sibi blus puberulis membranaceis petiolatis, petiolo ad mediam partem biglanduloso umbellis quadrifloris sparsis pedicellis basi articulatis thibactohiis calyce eglanduloso petalis glabris fimbriato-denticulatis lobis antheris glabris subs inferne pubescentibus coniformibus samarae utrinque ciliatis lobis parallelis imbricatis auctae ala oblonga intus id basin appendice obtusa instructa — Samaiae fabrica plane convenit cum *B heterostyla* Adr Juss quae petiolo ad apicem biglanduloso, petalis pubescentibus et stylis difformibus distinguitur *B eglandulosa* Adr Juss foliis basi acutis, petalis pubescentibus et stylo omni busulo differt — Crescit in savanis Guianae Anghae
- 3 D PLATYPTERA Gisbch 1 cit p 17 f — Foliis ellipticis vel elliptico-oblongis, breviter et abrupte acumatis concavis glabris petiolatis, petiolo brevi eglanduloso, umbellis quadrifloris sparsis pedicellis basi aliculatis tubercleolatis calyce 8-glanduloso petalis autato - «enceis fimbriato - lacens antheris siliisque glabris samarae maximae utrinque enstato - lobulatae ala spatulata - oblonga intus ad basin appendice subrotunda obtusa aucta — Crescit in Venezuela
- 4 B CIERASCEAS Pisbch I cil 18 f — Foliis elliptico - lanceolatis utrinque acutiusculis supra lucidis glaberrimis, subtus cuneo-pubescentibus concavis breviter petiolatis petiolo apice glandulifero umbellis 4—5-floris, in corymbis laterales dispositis pedicellis lenibus basi aliculatis tubercleolatis, calyce 8-glanduloso petalis panis flavescens glabris ciliato - denticulatis antheris siliisque glabris; samarae (junions) pubescentis laeviter crista parvula auctae ala exappendiculata — Medium locum tenere videtur inter *B laevifoliam*, petiolo breviori, tomento forniculato et inferioriscentia distingendam et *B feirugineam* Cav — Crescit in Guiana Anghae in ripis fluminis Cotinga
- 5 D AMIFFRILIS Rm2 mss ex Gisbch Linnaea XXII. 15 + — Folia ovatis acuminatis basi acutiusculis glabris longe petiolatis umbellis quadrifloris in paniculam effusam congestis pedicellis supra basin aliculatis et bibracteolatis, calyce 8-glanduloso petalis ciliato-denticulatis rubris junonibus extus pubescentibus, antheris glabris siliisque pubescentibus albida lursulis fruclis — Proxima *B aliosangumcae* Adr Juss, nee nisi folis pedunculisque glabris iph evanidi sunt minuti et sparsi) et sicutis hirsutis differt — Crescit in Peruvia prope Pueblo nuevo
- B SHANKURGHUANA Benth in Hook Lond Journ of bot VII 129. + — Ramulis senecis folis ovatis oblongisve acuminatis, basi acutiusculis membranaceis supra pubescentibus subtus argenteo-senecis paniculis axillaribus terminalibusque foliatis, pediculis brevibus, aplec bibracteolatis pedicello longiore calyce eglanduloso argenteo-senecis — Fmitex scandens, floribus roseis, in omnibus cum icone et descriptione Kunth *Bamstenae argenteae* A Juss [Heteropteryde Kunth] exacte convenit. nisi calicibus eglandulosis An ejus varietas? Fruclus ex ovario vix deflorato *Bamsteriae* Pelala stamina (antheris lobis difformibus). ovana et stylis omnino *B argenteae* — Crescit ad flumen Rio Branco
- 7 B POLITA Miq Sturp Surinam select 80 t 21 f — Ramuli compresso-teretiusculi laeves fusciscentes parce pilosuli, dein glabris graciliores quam in *B lucida* Rich Nodi lines transverse marginati Petioli in sicco fusci. antice sulcati, raris pilis conspersi, mox glabris. 2—3 lin longi Folia 3% plerumque 4% poll longa, 1% «ulgo 1% ad mediam alt lata. elliptico-oblonga acuminate, oculo recto vel obliquo obtusiusculo, nee adeo abrupte exorta quam in *B lucida*, basi acuta, membranaceo-coriacea supra nitidissima splendidissima, laevissima. haud punctata, nervisque notata, subtus haud punctata. paulo pullidiora nuda, glabris costulis qui Lermis vel quinis. ^a margine remotius conjunctis reiculatissime Instructa, in praesenti specimine excrescentis callosis orbicularibus concavis ac margem obsita inque margibus similibus impressiombus glandulosis ac in specie modo nominata instructa Umbellae axillares vel inter summa folia terminales, vulgo e quavis axilla tres, villosulae Pedunculae communes 2, raro 4 lin longae, infra vel supra medium articulati et bracteati

oppositis ovatis vel sublanceolatis inslrudi, ex apicc pluribracieato pedicellos, pedunculum ut plurimum aliquid superantes, exsercetes. Flores paulo minores et teneriores in *B. lucida*. Petala superiora majora, inferiora minora, unguiculata suborbicularia lacero-denlata, basi abrupte (nee subacule vel cunealim) in unguem contracta, dorso praeter marginem dense villosa, 2—3 lin. longa. Stamina calyce longiora, filamenta basi villosa, superne glabra, antherae oblongo-lineares, utrinque emarginatae, loculis villosulis. Stylis ovato ut in *Ji. lucida*. Samarae 2%—2' poll, longae, ubique pilis appressis rarioribus villosulae ala dimidiato-obovata, margine exteriori recto vel vix concaviusculo erosulo - exlenuato, interiore incrassato recto, superne apiceque convexo-rotundato, superne 5 lin., basi 2—1% lata, ala accessoria interna subtriangulari-ovata, obtusiuscula circiter trilineari (sin stylus adstans imo pilosulus, superne glaber), corpus globosum ubique, altamen uno latere magis quam altero, crisulis denticulatis muricatum. — Habitat in Surinam secus flumen Marrowne sup.

8. *B. LEPTOCARPA* Bulb. 1. e. 130. f — Foliis ovalis oblique acuminatis glabris vel supra pilis paucis inspersis coriaceis, supra lucidis, subius concoloribus vel ferrugineis, margine bine inde glanduloso-denticulatis; paniculis axillaribus terminalibusque multifloris; calyce eglanduloso; antheris glabris, connectivo majorum exescente; stylis glabris; samarae a latere binervalae ala anticae reclilinea, basi longe angustata. — Rami juniores leviter compressi, brevi tomento ferruginei, adulti teretes glabrati. annulo nullo ad nodos. Folia 3—i poll, longa, 2—2½ poll. lata, anguste vel late ovala, in acumen breve desinentia, basi obtusa vel levissime subcordata, margine denticulis minutis remotis notata, quorum alii aculi, alii glanduliformes, supra pilis paucis melifixis interdum conspersa et subius ad venas tomento raro ferrugineo pubescentia, ceterum glabra nec subius albicantia. Paniculae oblongae multiflorae, semel, bis lervae ramosissimae ramosae, umbellis ramulos terminantibus quadrifloris, lateralibus saepe bi—trifloris. Pedicelli glabelli graciles, 5—6 lin. longi, in umbella sessili, basi bracteolis parvis suffulti. Calyces fere glabri, laciniis ovatis per anthesin vix linea longioribus. Petala glabra calyce triplo longiora. Stamina glabra valde inaequalia, trium antherae multo majoris. connectivo valde exescente. Ovaria villosissima. Styli graciles, apice capitato-sigilliferi. Samarae sericeo-villosae, venis utrinque 2 parum prominentibus noliatae, ala demum 10—11 lin. longa orbata, anguste oblonga obtusiuscula. supra medium 3 lin. lata, basi valde angustata. — Crescit in Cayenne et Guiana Britanica.

+ Icon addenda.

- B. LUCIDA* A. Juss. — (Wlprs. Repert. V. 239. no. 37.) — Miq. Stirn. select. Surinam. 78. + tab. 20.

XXI HETEROPTERYS *Adr. Juss.*

(*Adr. Juss.* in Wlprs. Repert. V. 254.)

1. **H. CANDOLLEANA* *Adr. Juss.* 1. c. 270. no. 45. — *H. suberosa* Grisb. *Linnaea* XXII. 21. — *H. carinata* Dnili. in Hook. Lond. Journ. of bot. VII. 133.
2. *H. OLEAEFOLIA* Griseb. *Linnaea* XXII. 19. f — Foliis lineari-lanceolatis acuminatis, apice obtusiusculis subsessilibus coriaceis, supra glabris, subius tomentosis, marginibus revolutis; racemis corymbiformibus axillaribus; pedicellis tenuibus albido-pubescentibus, infra medium auriculatis et infra articulationem bibracteolatis; bracteolis ovalibus! sepalis glanduliferis; petalis flavis; fructu. . . . ? — *Hiraea oleaeifolia*. Benth. — Crescit in Guiana Anglica ad montes Roraima.
3. *H. CRISTATA* Benth. in Hook. Journ. of bot. VII. 131. r — Foliis ovatis vel ovali-oblongis acuminatis, basi obtusis coriaceis lucidis, utrinque glabris vel novellis subius adpressis villosis; panicula terminali laxa; pedunculis infra apicem minute bibracteolatis; calyce 8-glanduloso; samaris transverse crisato-appendiculatis. — Frutex alte scandens. Rami glabrescunt, lenticellis luberculatis. Stipulae in specimine laudatae. f*

4—5 poll longa, iy₂—3 poll. lata, reicuJato-venosa petiolo 3—4 lm longo Pamcula terminnhs, pube rufa tomentosa, rami racemosim opposili, infenores compositi, caeieri urabellas seu potius raccmos in umbellas feie constructos ferunt tres, quoruriPterminnhs subsossilis, lau rales pedunculnti Folia floralia sub ramis pan a, ovato-lanceolaia petiolata Rractcae panae Pedunculi infia aiticulalioncm 3—4 lm. longi, infra apicem bibracteolali, bracteolis minutis adpressis Pedicelli pedunculis subaequilongi. Calycis lacunae rufo-pubescentes, a glanriulis feie omnino tectae Pctalu glabra tosea, unguic calyce dimidio longioic, lamina subintogia canntim concava, ungue bre-
 \ior. Stamina glabia, anthciac oblongae, connectivo lenui Ovaua villosa. Stjli crassiusculi, apice iruncaii mtus stigmalosi Samnrao subglabrae slnalo - nervosae. cnsiis lateralibus irregularier lobatis 1—2 lm latis, ala fere pollicans falcato-oblonga, margine extenore ultra medium rectilmea mcrassato, mterioie curvilmeo — Oescit in Guiana Bntannica

- * H (?) CINERASCENS lnth 1 c — Foliis elliptico-oblongis bievier et obtuse acummatiss, basi acutiuscuhs eglandulosis, supra glabns lucidis, sublus emereo-pubentibus, paniculis axilhribus brevibus racemifoimibus, pedicellis subsessilibus confertis; calyce 8-glanduloso; ovano lur&uto — Scandens videtui, ramis novellis cinereo-pubescentibus, adultis glabratiss Stipulae dosunt Petioli 2—3 lin. longi cinereo-villosi Folia 2—4 poll longa 1—1/« poll lala, saepe basi complicate, margine subrecurva. vix conacea sed supra mtida, rete venarum leviter prominulo. sublus adpressis molthei cinereo - pubescentia, costa media venisque primarius paucis prominens 1 bus, harum infonoros fere a basi folu ortae Pamculae 1 —2-pollicareas. rhachi subsenceo - pubescente, pedicellis parce pilosis Rami breves opposili Urobellae (seu potius racemuli umbelliformes) ad apices ramorum et pamculae, ipsae plunQorae Dractcae sub ramis pamculae 1 —2 lm. longae lineari-lanceolatae, sub pedunculis brevissimis minutae, cum bracteolis similibus confortae Pedicelli 3 lm longi Calyx parce MIOSUS, lacmus obtusiss Petala oho\ah-orbiculata, cannato-conca\ a subintogia glabra Stamina glabra Antherae oblongae, connectivo ciassiusculo loculu buviore Ovanum dense husulum Styli crassiusculi, apice tiuncati Fructus baud suppetit, sed ovanum vi* defloratum jam in alam dorsalem ex-crescere incipit. et sljlus *Hclei oplei ydis* nee *Banntenap* — Giescit in Guiana Bntannica
- o H REGNILLII Miqu Linnaea XXII. 548 f — Folus breviler peliolatis ovatis acutiuscuhs \el obtusiss, alus ovato - ellipticis, supra cito glabralis, sublus discoloribus, pihs tenons appiessiss inspersiss, ad basm glandulis 2 scutellaeformi-planis mstructis venulisque ulnque 3—4 ascendentibus parce reticulatis, umbellis plun-(6-)flons vel in racemos contractos dissolutis, pedicellis medio vel infra medium bibracteolalis cum calyce appress^birtelliss. calycis lobib oblongi* obtusiss. praeter unura biglandulosis, samans ~~junio~~ ~~Mus sericeo-villosiss, adultis~~ glabroscentibus, ahs oblongo-obovatis — ~~Oescit in Grassiliae MOnrcia Minas Geraes~~
- 6 H JUSSIEUI Hook fir Niger Flora p 246 — Foliis elliptico-oblongis linean-lanceolatisve acuminatis conaceis, supra lucidiss plants bullatisve, subtus reticulatim venosis fflaucis, paniculis terminalibus tiichotome ramosiss pubescentibus. calycis l>ciniis biglandulosis. samara circumscnpiione semicuculan, ala plana semiiu conforme. — Crescit in Sierra Leone
- 7 H (') APICULATA Miqu Stirp Suunamens select 81 t - Ramulis petiolisque medio biglnndulosis parco pilosis, foliis olliptico-oblongis, ptnnque rotundatis. apice brevissime acute vel obtuse apiculatis. basi leviter emarginatw conaceis. nascentibus supra induraentd cretaceo obductis. adullis glabns. subtus costatis pubeque metallice renitente aurea (verrucisque numerosiss in supp specimme) Insruclis, paniculis ternunahbus (terms) basi foliatis rubigmoso-sericeo-tomentellis. umbellis singulis pedunculaiis vulgo quadnflom, pedicellis medio bibracteatis, pedunculum apice bractea-lum superantibus, calyce dense rubigmo^o piloso octoglanduloso, glandulis geminatis ovatis demum patulis, mtus pilosis, dorso pallidiss. pelalis parvis unguiculatia oblongo-obovaiis concavis Iriegulanter denticulatis — Ciescit in Surinam locis humidiss secus fluvium Marrowyne.^{fc}

XXIII. ACRIJIOCARPUS *Guill y Pe>r*

(Adr Juss in Wlpris Report V 285 Annal I 131)

- 1 A *fi>GIFOLIUS* Hook (Il Niger Flora pag *44 f — Glaberumus iimi< **gracilibus** loins alternis brewier pctiolatis linean-oblongis clongatis apice angustati* acuminatisque. margine undulaisf membioniccis, subtus vix glandulosis, petiolo biglanduloso, lacemo terminali breviusculo paucifloio pdicellis gracillimis sepalisque puberuhis bractcohs subulatis eghndulosis — *Anomuluptens longifolia* G Don Gen s\st I 642 — Crescit in Nigntia
- i *A *CORYMBOSUS* Hook fil — Wlprs. Ann bot sjst I 131 no 1 — Hook fil P>iger Flora 246 tab 24 —

XXX TETRIPTERIS *Car.*

(A Juss in Wlprs Repert V 300)

- 1 T *MAGNIFOLIA* Ruiz mss ex Grsbch in Linnaea XXII 22 f — Fohu maxiinis elliptico-ohlongaiis, breviter apiculatis, basi rotundatis glabns supra mtidit. brevuer petiolatis cicatnce stipulan intrapetiolan umbellis quadnflons in pamculam terminalem fohosam dispositis cjus foliis subrotundis axibus puberulis pedicellis crassiusculis, mcديو aiticulatis et bibracteolatis bracleolis mi nut is cahce glandulifero samara (jiinion) tomentosa — Crscit in Peruvia prope Chicoplaya et in Brasilia boreali ad flumen Amazonum
- i T *ADENODON* Miqu Linnaea XXII 548 f — Ramulis teretibus fuscescentibus fo|ns-que adultis glabns his brfviler potiolatis oblongo-ellipticis mucronato-aetis conaceis supid nitidis* (per lenKm minuto impresso-punclulatis), subtus discolonbus, nascentibus pilosulis pilis in neivo me IO diutius persistentibus, margimbus fere a basi usque ad medium utnnquc glandulis plunbus (4—8) prominentibus quasi remote denticulatis peuolis uinnque 2- raro 3-glandulosis racemis termmalibus in pamculam clongatam dispositis hirtellis, calycis 9—10-glandulosi lobis senceo - hirtelUs petals subglabns — Ciescit in Drasihae provincia Minas GcraSs
- 1 T *COMPLICATA* Miqu Stirp Sunnamcns select 82 f — Ramulis peliolis folisque nascentibus subtus iaut>simis pilis mspersis caeterum glabernmis his modice petiolatis rcurvato-patulis, ovato-vel saepe elhptico-oblongis breviter acuminatis, basi obiusis, aniorsum complicatis, couaceis eglandulosis nitidis, venis ei ecto - patulis teneris quinis vel septenis, racemis ex axillis supremis plerumque gemmato•termmalibus breviter pedunculatis appresso hirtellis caljcc decemglanduloso pelalis parvis (Qavis) obovatis eroso-denticulalis glabns samarae glabiae ahs (quatuoi) subaequalibus. riuabus paulo lationbus apice utplunnum paucidenticulatis \el sujir/jisis — Crescit in Surinam prope in Bergendaal
- 1 T *H I\CLUDL^S* Bnth in Hook I ond journ of bot VII^33 — Foliis o\atis. apicid rotundatis et breviter acuminatis glabns conacei* lucidis. Subtus basi biglandulosis. racemis subpamculatis umbellis quadnflons. peduncuhs apieo bibracleolatis, bracteolis magms concaus alabasrum sdbsessilem involventibus calvce 8-glanduloso, petals magms flmbnatis — Ramuli verruculosi, lineis elcvatis ab msertione fuliorum decuricntibus tetragoni, novelli uti infloresrentia tomenio minuto rubentes Stipulae ignotae bed hnea adest transversals intcipctiolans verosimiluer a cicalnce stipularuoJ caducarum Idicu Pctioli *A — 1-polllcares Folia 5—6 poll longa. 3¹/₂—4 poll lata, vems primarus subdistantibus reteq venularum subtus prominuhs, utnoqu^ glabra, at novella ignota glandula sessilis in ima basi paginae inferions ad utrunaqu* latus costae mediae, acumen apicis 2—6 lin longum Racemi in axillis folioium supcuoruna 4—6 longi, quoiu supeiores pamculam eflormare vidntur toha fl^o ralia sub ramulis racemi reducu ad bracteam pouolatam lanceolatam biglandulosam Rami breves medio bicroctcati, umbella quadnllora lermmati Peduncuh bractea ovaW toncava subtenui, 3-4 lm longi Bracteolae 3-4 lm longae, late obovalae ¥el<rbi-culatae concavae, aliera altcram aestivauone obtegente, ulrMue alabastrum **tote** anthesm includente per amhesin persistentes patentes Pediceffi brevissmu vel vix ulu<

- Flores ampli. Calyx quinquaAdus rnfopubeaieas, glaoduJia V/t Mn loflgw lacifias fere obtageniibus. Petala inaaqualia, majores 6 lin. looga lata coocava. margins flm-briuta. Stamina glabra. flamopta crassa, basi coatita, antherae oyaUfl. qua^^aliae (5? v. 7?) niioores, connectivo crasso glanduliformi loouios tamen baud suJSrante, aliae (? 5 v- 3) mnjores, connectivo piagno loculos parvos duple fere mperante. Ovaria pubescenlia fei e distincta. singula dorso crislis 5 longjudinaliter aucta, quarum 2 (inter marginales et dorsal em mediae). minus prominulae nee ad apiccm ovarii attingunt. Styli erccii, inferne valde incrassati, apice truocati. Fructus. . . .? — CresciV in Cayenne.
5. T. sp. n? Dih. 1. c. 134. — *T. glaberrimae* simillima, sed calyx 4-glandulosus et ovarium hiraqlum. stylis crassiusculis truncatis. Appendices ovarii omnino *Tetrapterydis*. — Crescit in Surinam.
6. T. GLABEHRIMA Bnth. 1. c. — Foliis ovalis ellipticisve breviter acuminatis, basi obtusis coriaceis glaberrimis nitidis; paniculis axillaribus folio brevioribus glabris; bracteis parvis acutis; calyce 8-glanduloso; samarae glaberrimae alls oblongis. superioribus paulo longioribus. — Specimina pube omnino destitute. Slipulae interpetiolarefl lanceolatae caducissimae, cicatrice transversali parum conspicua. Petioli crassi, 2—*3 lin. longi, supia canaliculati vel versus laminatn marginali. Folia 5—6 poll, tonga, ?—3 poll. lata. crebre retjculato-venosa, veois primariis prominulis sed leniibus. InQorescentiae axillares complures vel a basi ramesae bipollicares, umbellae quadriflorae pedunculatae. racemosim oppositiae vel lerminales. Bractee sub ramis Tit 2 lin. longae lanceolatae acutae, sub radiis umbellae minutae. Pedunculi nunc brevissirai vel subnulli, nunc lineam longi, apiSe minuie bibraeteolaii. Pedicelli 4—6 lie. longi tenues. Calyx glaber, laciniia erectis ovatis, glandulis lineam lpngU valde prominentibus. Petala subintegro. magnitudine 7*. mucronalae. Aotberae •bUagae recurvae, connectivo crassiusculo. Ovaria glabra. Styli tenues. aptee leviter cUlati truncato-stigmaiferi. Fructus alae majores circa 7 longae, 2 lin. latae, crista dorsalis parva. alulis parvis inter cristai et alas. — Crescit in Guiana Britannica «t in Cayenne.

\\X. fIIKABA Jacq.

(Adr. Juss. in Wlprs. |lept. V. 320. Aonal. I. ^3^.)

- 1- H. MULT IF LOR A Miqu. Stirp. Surinam select. 83. f — Ramulis, jnHaresoeotia, pdtiolo nerveoque medio subtus canescenti-birtellis; petiolis breviusculis, apice biitipula^t biglanduiosisque, foliis obovato - vel lato - ellipticis breviter obtuseque apiculatis. baai rotundatis vel emarginatis. junioribus subtus in nervis venulisque pilosis, senaim praeter nrvum medirfr glal^escentibus_T supra glabris pergamaceis: inflorecentia peifi^ncH-utis tri-umbellalis, in axillis superioribus solitariis, in inferioribus saepe ternis, 4^{en} sis robustis; calyce c^landuloso. — Crescit prope Paramaribo In Surinam.
- ^ II. ROSEA Miqu. 1. c. 84. f — Petiolis. ramis junioribus et jnflorescentia lutescenti-lomentosis; foliis breviter peiolatis obovatjs, breviter acyte apiculatis, subtus iocano-pubescentibus. supra scabriuscule puberulis, pills simplicibus vel plerumque bifidis; thyrso lerminali opposite ramoso raemoso bracteato; bracteis oppositis aubspathulalolmearyibus obtusis vel obtusiusculis; calycis octoglandulosi sepalis longluaouulis apalbulo-linearibus obtusis, utrinque pubescent! - hirtellis reflexis; petalis longe unguiculatis cristulato-denticulatis. dorso puberulis. — Crescit in Surinam locis bumidis sccus flumen Commewyne superius.
3. H. GRACILIS Bntb. in" Hook. Lond. journ. of bot. VII. 135. f — Grsbch. in Linnia XXII. 24. — Foliis membranaceis lanceolatis breviter acuminatis brevissime petiolatis glabris; racemis simplicibus multifloris lateralibus; pedicollis medio arliculatis bibracteoluiis; bracteolis lanceolatis; sepalis glanduliferis pubescentibus; petalis glabris "avis? fructu. . . .? — • *galphimioides* Grsbch. mss. — Crescit in Guiana Anglica, ^aI monies Canuku.^
- *" > (TETRAPTERYSWect. *Penlapterys?*) GRACILIS Bntb. in Hook, Lond. journ. of bot. VII,

135. — Foliis breviter petiolatis ovatis oblongisve obovatis, adultis glabris; racemis axillaribus ramealibusve elongatis simplicibus; pedunculis apice bibracteolatis pedunculatis aequilongis. Calyce 8-glanduloso, ovano villosa, appendiculis marginalibus biparutis, dorsali constaeformi — Rami tonues elongati, novelli pubescentes, mox glabrati Stipulae parvae villosae, petiolo adnatae Petioli 1—IV* lin longi glabri Folia 2—3 poll longa, pollicem circiter lata, apice in acumen acutiusculum angustata, basi obtusa glandulosa. Nervulae chortaceae, reticulato-venosa, novella utrinque, praesertim in pagina in fenestris pilis adpressis medullis villosa, mox glabrata. Racemi vel in ramis annotinis ad axillas foliorum superiorum, vel saepius in ramis inferioribus infra folia orti. solitarii, 1/*—3-pollicares, fere a basi triflori, ima basi squamis paucis stipulis stipati Pili in rachide, pedunculis bibracteisque pauci adpressi. Pedunculi oppositi 2—2' lin longi uniflori, pedicello pedunculo aequilongo. Dracae subtendentes lineari-lanceolatae acutae 2—3 lin longae, bibracteolae ad apicem pedunculi paulo breviores et obtusiores Calyx 1' lin longus, lacini erectis adpresso MIOSIS, quatuor basi glandulosae Petala fere 4 lin longa ovalia, leviter troso-crenulata, fere plana, dorso parce pilosa Stamina glandulosa inaequalia Antherae oblongae, connectivo loculis breviter Ovula villosa, minus connata Stylus apice leviter subrecurvatus, extus acutus, intus truncato-stigmatifer. Fructus ignoti, sed ovarium paulo accretum fert cristam dorsalem et alas marginales usque ad basin bipartitas — Crescit in Guiana Britannica

5. H. OLEAEFOLIA Duth 1 c. 136 — Foliis subsessilibus oblongo-lanceolatis acutiusculis, basi acutis coriaceis, supra demum glabris, subtus aureo- vel albido-pubescentibus. racemis ramealibus paucifloris, pedunculis infra apicem bibracteolatis, calyce 8-glanduloso, petalis glabris. — Ramuli cinerei. ad nodos incassati Stipulae ignotae Petioli brevissimi crassi Folia 2—3 poll longa, 5—94m. lata glandulosa, rostrata revoluta. novella supra pubescentia. mox glabrata et demum fere lucida, subtus pube adpressa subsentia obducta, costa media prominente, venis vix conspicuis Inflorescentiae pube brevi aucae, in ramulis annotinis infra folia oppositae 4—6-florae Rachis communis brevis, pedunculi semipollicares medio bibracteolati, bracteolae ovatis 1 lin longis, pedicelli pedunculo longiores, apice incrassati Calyx fere 2 lin longi. lacini erectis crassiusculis, glandulis parvis Petala calyce plus duplo longiora. margine lacero-fimbriata Stamina glabra, basi connata antherae ovatae, connectivo crassiusculo plerumque loculo brevioribus, in nonnullis tamen (3?) connectivum loculos breviter superat Ovula villosissima, dorso costata Stylus crassiusculi apice truncati. Fructus ignoti — Crescit in Guiana Britannica

t Icon addenda.

H. FULGENS A Juss in Wlprs Report V 336 no 47. - Miqu. Stirp. Surinam, select. 84 f tab. 22

XXXI ASPICARPHA A Juss.

(Adr. Juss. in Wlprs Repert V 348)

- 1 A. HYSSOPIFOLIA Asa Gray, Dost Journ VI 167 adnot 1 — Gaudibus e radice lignescente plumis erectis (6—12-poll), foliis lineari-lanceolatis, basi rotundatis subcordatisve sessilibus, pedicellis axillaribus soli ternis, petalis rotundatis eximie emarginatis. — Crescit in republia Texensi

Ordo XL. ACERINEAE DC.

(DC. Prodr. I. 593. - Wlprs. Repert. I. 406. Annal. I. 131. ft 960.)

5558. A C E R *Much.*

(DC. Prodr. I. 593. - Wlprs. Repert. I. 408, Annal. I. 131. & 960.)

- 1 A. NIVEUM Blume, Rumphia III. 193. f t. 167. B. fig. 1. — Foliis ovatis vel oblongo-ovatis ouminatis, basi rotundatis integerrimis coriaceis glabris, subtus niveis; floribus racemoso-corymbosis hexandris. — *A. Javanicum* Jungh. Tydchr. nat. Wet. VIII. 391. — *A. launnum* Hsskrl. Cat. hort. Bogor. 222. — Java.
2. A. CASSIAEFOLIUM Blume 1. c. f tab. 167. B. fig. 2. — Foliis oblongis vel elliptico-oblongis acuminatis, basi acutiusculis integerrimis Coriaceis glabris, subtus glaucis; flonbus racemoso-corymbosis hexandris. — *Laurus alba* Reinw. mss. — In Java occidentali.

t Icon addenda.

- A. DASYPARPUM Willd. — (DC. 1. c. 595. no. 21.) — Torr. Fl. New York I. 136. f lab 18

Ordo XLI. RHIZOBOLAE DC.

(DC. Prodr. I. 599. — Wlprs. Repert. I. 410. V. 358.)

5642. C A R I O C A R I.

(DC. Prodr. I. 599. — Wlprs. Repert. I. 410. V. 358.)

1. C BAHBINERVE Miqu. Linnaea XXII. 802. f — Foliis trifoliolatis, foliolis breviter petiolulais ellipticis vel subovatis acuminatis serratis, supra glabris, subtus secus costam et in venarum axillis barbatis, glandulis binis in npice petioli inter pedicellos obovatis; petalis ellipticis inaequilongis; antheris ovato-ellipticis. — Crescit in Brasiliae provincia Bahia.

Ordo XLII. SAPINDAGBAE *Juss.*

(DC. Prodr. I. 601. - Wlprs. Repert. I. 411. II. 813. V. 358. Annal. I. 132. ft 963. - *Hippocastaneae* DC. 1. c. 597.)

Tribus I. S A P I N D E A E Cambess.

5598. C A R D I O S P E R M U R E *Linn.*

(DC. Prodr. I. 601. — Wlpra. Repert. I. 411. II. 813. V. 358.)

- ¹> *C. HALICACABUM fc— DC. 1. c. — Wght. Icon. pi. tab. 508.- Blume, Rumphia HI. 183. J «.

p. *miaocarpum* Blume 1 c 184 foliorum segmentis utrinque appresso-pubellulis, capsulis multo minoribus turbinalis — *C microcarpum* II B Kunt — *Conndum* \6& et fructu nunoie Tournef — *Ithum xesicanum*, fructu mgio macula alba notalo Indicum, Penala Herm — *Hahcacabum Indicum tncoccon*, fructu mgio minore, lunula alba signato Pluk — *Uhnja* Rheed — tor Indum. sive *Halicacabum peregrinum*, minus Herm — In Java

y. *acuminatum* foliorum segmentis terminalibus in acumen integerrimum proiraciis, incisus acutiusculis capsulae turbinae-tigonis — *Card acuminatum* Aliqu — Wlprs Repert V 358 no 2 — In Surinam

5. *corycodes* foliorum segmentis terminalibus in acumen integerrimum protractis, incisus obtusis vel obtusiusculis Capsulis tngono-globosis maximis — *C corycodes* Knze — Wlprs Repert V 358- no 1 — *C folus tcmato-ternatis acuminatis serratis* ftrowne — *Pisum vesicamim fuclu mgio* Sloane — Credit in Cuba

e. *Senegalense* foliorum segmentis lateralibus ovatis vel obovatis obtusis im-sime acutis, terminalibus acuminatis, incisus obtusis, capsulis late turbinato-tngonis maximis — Crescit in Senegambia

£. *Aiabicum* foliorum segmentis ovatis vel oblongis grosse inciso-serratis (incisus acutis vel obtusis), lateralibus acutis aut interdum obtusis, terminalibus acuminatis, capsulis late turbinae-trigonis maximis — *Conndum amplwie folio, frutu maximo* Tournef — In Arabia

- 2 C CLEMATIDEUM A Rich Tent n Abyss I 100 — Caule angulato sulcato pubente folus tripartito - decomposita, brevissime petiolatis, partitibus imparipinnatis, pinnulis oppositis, inferius petiolulatis inciso-pinnatifidis, utrinque pilosiusculis, basi obtusis, superioribus sessilibus, basi cuneatis, terminalibus longioribus, basi longe cuneata, inciso-dentata, pedunculis axillaribus solitariis, folia aequantibus aut superantibus apice diviso serrulatis, infra apicem bicirrosis, flonibus monoicis, nmscolorum petals appendiculatis, femineorum glandulis duabus sessilibus, obtuse arcuatis, carpelibus pubenti-lomentosis, capsulis vesiculosis subglobosis, parte pubentibus — *U molle* Hochst mss ? — Crescit in Abyssiniae convalle fluvii Taocaze*.
- 3 C TRUNGATUM A Rich I c. 101 — Caule gracili angulato sulcato pubente folus petiolatis imparipinnatis, partitibus partitibus, subinfoliolatis, foliolis sessilibus, ovali-oblongis acutissimis incisus pilosiusculis, pedunculis axillaribus folia aequantibus, capsulis depressis truncatis, tngono-alatis, pubentibus, semine globoso nigerrimo. macula alba notalo — Crescit in Abyssiniae provincia Chue et in convalle fluvii Taocaze.
- 4 G. OBLONGUM A Rich 1 c — Caule angulato sulcato huguio, folus brevissime petiolatis decomposita - imparipinnatis, partitibus inferioribus imparipinnatis rarius trifidis, lacinis ovalibus, basi cuneatis, acutis, inciso-dentatis, pubenti-villosis flonibus unisexualibus majusculis, florum masculinorum staminibus basi monadelphis villosis, capsulis oblongo-incurvatis triquetris pubentibus. — Crescit in Abyssinia prope Tchelatckanne.

5605. SCHIEBISIA Linn

(DC. Prodr. I 610 — Wlprs. Repert. I. 414 II 814 V. 361, Annal I. 133)

- 1 SCH. RUBIFOLIA Hochst. mss ex A. Rich Tent fl Abjss I. 169 — Ramulis tomentosis, folus petiolatis trifoliolatis, foliolo terminali majori obovato-acuto aut obtusis margine vix dentato aut integro, basi sensim attenuata et petiolulato, lateralibus basi inaequilatis, ovalibus, acutis aut obtusis, omnibus subtus dense pubentibus et axilla nervorum foliolarum pilis densis obsitis racemis axillaribus simplicibus tomentosis subtariis, fructibus pisiformibus ovulcis pilosiusculis — Crescit prope Tchelatckanne in Abyssinia
- 2 SCH. MUTABILIS Blume. Rumphia HI 140 f — Ramulis tomentosis, folus trifoliolatis foliolis petiolulatis ovatis vel ovato-lanceolatis acutis aut acuminatis serrulatis obovatis, subtus scaberrimis, racemis solitariis simplicibus aut subramosis, obovatis, intus supra basin squamula biloba — Habitat in Java orientali.

3. SGH. LEPTOSTACHYA Blume 1. c. 141. f — Ramulis glabriusculis: foliis trlfoliolatis foliolis peiolulatis ellipticis vel elliptico-oblongis obovatisve, ulrnque acutis vel apice obtusis serrulatis glabris; rocemis solitariis confertisve simplicibus aut qpbramosis; petalis spatmlatis, intus supra busin biauriculais. — In insulae Javae monte igoivomo Talogobodas.
4. SCM. SEMIDENTATA Miqu. Linnaca XXII. 798. f— Partibus junioribus subtomentoso* pubescentibus, adultis puberulis; foliis trifoliolatis, foliolis brevissime peiolulatis mombranacois, supra glubriusculis, subtus prueserlim in nervis puberulis, oblongis ncuminatis, basi cuneatis, medio longiori aequilaierali, lateralibus basi obliquis, part* Va superiore grosse inaequaliter dentalo-serraiis, venis circiter 15-nis vel 16-nis ia dentes majorcs, venulis tenariis in minores excurrentibus; racemis compositis axllaribus saope geminis subscsilibus; calycis lobis rotundato-concavis pubescentibus; petalis cztus glabris; flaraentis pilosis; anihens ellipsoideis, connectivo parce puberulo. — Grescit in Brasiliae provincia Bahia.
5. *SCH. HIRTELLA Hook. fl. Niger Flora 248. ft. 25. — *Schm. monophylla* Hook, fl. Wlprs. Annul. I. 133. no. 1.
- «. *SCH. AFRICANA DC. 1. c. 610. no. 7. - A. Rich. Tent. fl. Abyss. I. 102. lab. 27.

5605/, NATALIA Hochst.

(Wlprs. Annal. I. 134.)

1. *N. PAULLINIOIDES Planchon. — Wlprs. 1. c no. 1. — Hook. fl. Niger Flora 252. + tab. 29.
2. *N. LUCENS Hochst. — Wlprs. 1. c. no.2. — *Rhaganus lucidus* E.Meyer, Flora (B.Z.) XXXII. 67.

5607. IHIKA Blume.

(Wlprs. Repert. I. 415.)

1. *I. GLABRA Blume. — Wlprs. Repert. I. 415. — Blume. Rumphia III. 113. f
 a. *snhda* Blume 1. c. 114. — Rhachi glabriuscula; foliolis (lectura minus firm a) grosse remote serraiis, serraturis subhamatis obtusiusculis; fructus lobis*globosis aubtomentosis.
 p. *rubra*: Rhachi subtomentosa, foliolis (textura longe minus -firma) subtus in nervo medio et venis lateralibus subpubescentibus grosse remote serraiis, serraturis subhamatis obtusis; fructus lobis ovoideo-globosis subtomenlosis.
 Y* *alba*: Rhachi glabra; foliolis (textura qualis in var. £•) grosse remote serratis, serraturis subhamatis obtusiusculis; fructus lobis ellipsoideo-globosis glabris.
 o. *dissecta*: Rhachi glabriuscula; foliolis (textura raagis tenui, qualis in var. Y*) remote obtuse serraiis, subtus in nervo medio venisque lateralibus puberulis; fructus lobis ellipsoideo-globosis glabriusculis.
- *. I. DIPLOCARDIA Blume I. c. 115. f — Foliis 4-15-jugis ovato-oblongis *el oblongo-lanceolatis repandis vel remote subserratis glabris. — *Diplocardia exceUa* Zipp, mss. — *Cnemocarpus excelsus* Zipp. mss. — In Nova Guinea.
- ^d. I. ALNIFOLIA Blume 1. c. 117. f — Foliis 4—6-jugis oblongo-lanceolatis, basi subinaequali acutis vel obtusis, remote glanduloso - •erratii, subtus tomentoils. — Borneo.

5609. L.EPISAWTMES Blume.

(Wlprs. Repert. I. 416.)

- x. L. FRUTESCENS Blume, Rumphia III. 152. f — Frutescens: foliolis"5—7-jugis lanceolato-oblongis, obtuse ocuminatis. basi rotundatis vel subcordatis membranaceis; floribus ad racemos simplices vel subpaniculatos in fasciculis subtrifloris pedicellatis; calycis lobis conformibus subaequilongis; petalorum squama dorso nuda. * In insula Java.

- 2 L **CONFINIS** Blume 1 c + — Frutescens foliolis 3—4-jugis oblongis ~~acuminatis~~, basi obtusis membranaccis flonbus ad racemos subpamculos in fasciculis pauciflorii pedicellatis cihcis lobis subaoquilongis dilibrnibus duobus exlnoribus ovatis obtusis^jnterioribus subrotundis petilorum squama dorso nuda — In insula Java
- 3 I srSSH **IFI ORA** Blume 1 c 153 f — Frutescens foliolis 3—4-jugis oblongis acuminatis basi obtusis subtoiditis nut cunctalis mouibranactis flonbus ad racemos in j liccs in fWiculis piuuflores subsossilibus cahcis lobis inatquilon^is diflbrmibus duobus pxiemis ovttis obliu: >culis obliqu s inteims subrotundis potaloium squima doiso tubticulo mstructa — In insuh Jd\
- 4 \ HI TI **ROLMMS** Illume 1 L f — \iborcscens foliohs 3 —5-jugis oblongis acutmnalis basi tcutis vel obliu^cuhs subcomceis flonbus ad racemos subpamculalos in tisciculi-* subtnllois pedicclhlis calvtis **foliolis** subacquilongib diffToi mibus, duobus oxtioiibus ovitis obusis mtenonbus rotundntis pcalorum squimi dorso inacqualitci tn iLiiticuhti deniiculo iniciinulio mno — In insuh Bonn o
- 1 **ANOUSTIROI** IV Blunif 1 < 151 f — Arborestcns foliolib 5—b jugis lanceolatis i(iinnmtis basi obtusis subconatus flonbus ad racemos subfisciculatos simphecs in i (conulis 1 tsciuilisxc bio\ibus densiflons pediccUalis cnljcis foliolis inaequilongis diiroubus duobus exlnonbus bicvionbus o\Ttis obtusis inleuoribus ovalibus p< taloium squanit dorso obsokie lmuberculala — In insuh Sumatia occidenta!

560% **MACPHERSONIA** *Blume*

(Hluine Rumphia HI 15b)

Moits legulait^{4*} Taly\ profunde quinquepartitus foliolis bibenahbus jnibiicatis Pttala 5 nana foliolis calycis alterna e^quamulata Discus annul ins completus Stamina 8, disco inlus inseria, o\anum cmgentia subuqudlia. Filarncla libeia O\anum centrale sessile turbmato- o\oidtuin tnloculaie O\ula in loculis solitana e basi anguh centrals »scndcnlia Sligma lerminalc sessile obtusum tn^onum tructus.. — \iboi si u fiute\ Madagascansis ecnrosus folns alternis petiolali^ oxstipulgtis abrupte bipinnads, foliolis sessilibus suboppositis trapezoi* deis mtegtrrimis, panicuhs axillanbus, flonbus minutis polygamy cymoso-fasciculalib

1 *M **MADAGASCARIENSIS** Blume 1 c 157 + - In Madagascar^

5609A **JAGERA** *Blume*

(Blumo Rumphia III 155)

Floies icgulaies Caljv profundt quadu- \el quinquepartitus, lacinnis bisenalibus imbricahs Petala 5, lanssime \el 3, laciniis calycis alterna, mtus supia basin ulnnqut appendite autta Discus completus annulans Stamina 8, inter discuin tt ovanuni mserta Filamentahbera. Ovarium centrale sessile luibinalum 3- laio 4-gonum^ 3—4-loculare Ovula m loculis solitana, in_iilo tentiali supei basin affixa iscendentia Stylus brevis crassus Stitina obliuiscuJum 3—4-sulcatum Fnictus baccatus hirsutus 3—4-loculans, loculis monosperims Semina exanllala Embn¹ curvati radricula descendens — \ibores in Moluccis, Guinea nova et in insula Madagascar ciescentes folns petiolatis exstipulatis abrupt pmnatis, foliolis opposilis alttrniMc, serratis racemis spicacformibus ramosis axillanbus A el subteiinahbus, flonbujs minutis fas>ciculatis

1 *J **SPECIOSA** Blume 1 c f — *Ganiya javanica* Blume — Wlprs Rept I 559 no I." *Papaja htorea* etc Rnrb Hb Amb I 150 t 53 fig 2 — Java

5610. *gAMikhDCft Linn.*

(DC. Prodr. I. 607. — Wlprs. Repert. I. 416. V. 362, Anna!. I. 135. ft 963.)

1. *S. RARAK DC. Prodr. I. 608. — Blume. Rumphia III. 93. f tab. 167. — 5. *Saponana* Burm.
2. S. CUSPIDATUS Blume 1. c. 98. + — Rhachi aptera, foliolis bijugis elliptico-oblongi* cuspidatis coriaceis glahris; rncemis aiillaribus terminalibusvo elongatis; floribus 5—7-andris; peialis ovalibus, inius supra basin squamula rotundata barbata auctis, — In sjlvis liiornlibus Novae. Guineac.

f ~~Xon~~ satis notae.

3. S. MOLLIS Blume 1. c. 98. f — Rhachi aplera, foliolis paucijuffis elliptico-lanceolatis acutis membranaceis, supra glabris, subius tomenlosis; panicula terminali divaricata, petalorum squamula rotundata subtriloba villosa. — *Dimocarpus Lilchi* Heyne rass - — In India orientali.
4. S. ANGUSTIFOLIUS Blume 1. c. 99. f — Rhachi aptera, foliolis 10—It-jugis linoari-laoceolatis acurainatis, basi obtusis membranaceis glabris. — Crescit. . . .*

5611. *ERIOGLÓSSUfflt Blume.*

(Wlprs. Repert. I. 417.)

1. *E. EDULE Blume. — Wlprs. I. c. no* 1. — Blume, Rumphia HL. 119. + lab. 166.

5611A- *SCORODEKDROK Blume.*

(Blume. Rumphia HL. 149.)

Flores regulares. Calyx profunde quinquepartitus, foliolis biserialibus imbricatis. Petala quinque, foliolis calycis alterna aequalia, intus supra unguem crista duplici biloba crispato-lacerata aucta, Discus annularis regularis. Stamina decem, discum inter et ovarium inserta erecta. Filamenta subaequalia distincta. Ovarium centrale sessile biloculare. Ovula in loculis solitaria, angulo interno medio affixa. Stylus terminalis simplex, stigmatate obsolete bidentato. Fructus ovoidcus, stylo persistente cuspidatus siccus indehiscens bilocularis. Senna in loculis solitaria membranacea-aria Uota (?)_f testa membranacea. Embryi curvati cotyledones crassae inaequales, oblique superpositae. Radicula dorsalis descendens. — Arbuscula Timorensis, fricatis cortice et fohis odorem ingratum alliaceum spargentibus: foliis alternis, pari- vel abortu unius foliorum supremorum imparipinnatis, foliolis oppositis integerrimis glabris; racemis axillaribus et terminalibus subcompositis, divaricatis ^{trut} pendulis; floribus subfasciculatis polygamo-dioicis albis.

1. #SC, PALLETS Blume I. c. f — *Erioglossum alliaceum* Zipp. — Wlprs. Repert. I. 417. — *Sapindus fraximfoliw* Hb. Paris. — Timor.

5612A. *ZYOOIiSPIS Turczan.*

(Turczan. Flora [B. Z.] XXXI. 706.)

Calyx breviter tubulosus quinquefidus, laciniis aequalibus, Corollae Petala 5 unguiculata, calycem subaequantia, ejusque laciniis alterna, intus squamulis duabus cuneatis villosis aucta. Stamina octo, filamentis brevissimis, basi apiceque attenuatis villosis, disco vix manifesto insertis, antheris terminalibus bilocularibus, longitudinaliter dehiscenlibus. barium subreniforme compressum biloculare, loculis uniovulatis, ovulis erectis. stylus conicus biridus, stigmatibus truncatis arete conniventibus. Fructus ignotus. — Arbor seu frutex: ramis foliisque alternis abrupte pinnatis, nni—bijugis glahris, foliolis oppositis jietiohilatis lam

ceolatis vel elliptico-lanceolatis, utrinque attenuatis integerrimis penninerviis; paniculis axillaribus ramosis; floribus parvis nifo-pubescentibus pedicellatis, pedicellis basi uni - medio bibracteolatis.— Genus *Aphania* Blum, petalis bisquamatis cum hoc conveniens recedit numero quaternano partium calycis et corollae, staminibus quinque, stylo subnullo; *Matayba* Aubl. stigmatate sessili, disco octocrenato aliisque notis diversa.

J. *Z. RUFESCENS Turczan. 1. c. 709. — Crescit in insula Philippine Zebu.

5613/x. **HS9IIOTBOSA** *Blume.*

(Blume. *Rumphia* II . 165.)

Flores irregulares. Calyx profunde quinquepartitus, foliolis biseriilibus, praefloratione imbricaliva. Petala 5, subinaequalia, superius minus, intus nudum, aut plane deficiens, reliqua 4 inter se aequalia, intus supra basin aucta squama elongata profunde bipartita. Discus incompletus semiannularis integer. Stamina octo, ovarium ^ingentia ascendentia. Filamenta inaequalia libera. Ovarium excentncum turbinatum triloculare. Ovula in loculis solitaria, angulo centrali medio affix a, ascendentia. Stylus filiformis, stigma obsolete tridentatum. Fructus .. ? — Frutices vel arbusculae Indiae orienjalis insularumque Philippinarum: foliis alternis rarissime oppositis exstipulatis paripinnatis paucijugis, foliolis oppositis subintegerrimis; floribus polygamo - monoicis, in racemis axillaribus lerminalibusque fasciculatis.

1. H. PERROTTEII Blume 1. c. f ~ Foliolis 2—4-jugis oblongo-lanceolatis, utrinque angusntis integerrimis aut obsolete denticulatis glabriusculis. — Habitat in insulis Philippinis.
2. II.? PERVILLEI Blume 1. c. 166. f — Foliolis 3- rarissime bijugis obtusiusculis. basi subacutis integerrimis glabrls. — Crescit in Amboina,

5613/,. **BICTTOHTECRA** *blume.*

(Blume, *Rumphia* III. 163.)

Flores regulares. Calyx profunde quinque- raro quadripartitus, foliolis biserialibus, praefloratione imbricativa. Petala nulla. Discus completus annularis integerrimus. Stamina 5 v. rarissime 4, inter discum et ovarium inserta. Filamenta filiformia libera. Ovarium centrale sessile compressum bisulcatum biloculare. Ovula in loculis solitaria, angulo centrali ad basin affixa, ascendentia. Stylus terminalis brevis, stigmatate emarginato. Capsula carnosa substipitata bisulcata, abortu nnilocularis, loculicide bivalvis monosperma. Semen ellipsoideum, arillo cupuliformi cinctum, testa chartacea. — Arbores per sylvas humidias Archipelagi Indici et Guineae Novae dispereae: foliis alternis vel interdum oppositis, exstipulatis, pari- aut abortu unius foliorum extremorum imparipinnatis, foliolis subsessilibus oppositis vel alternis, basi oblique cuneatis, superne dentatis vel crenatis, venosis glabris, inter venas elegantissime reticulatis; floribus polygamo - dioicis in racemos spicaeformes simplices vel ramosos axillares et terminates glomerulatis.

1. D. AGUMINATA Blume 1. c. f — Foliolis 4 — 6- jugis lanceolatis acuminatis) ba*i oblique cuaeatis, superne dentatis; racemis ramosis siraplicibusve. — In insula Borneo.
2. D. OBTUSA Blume 1. c. 164. f — Foliolis 5—12- jugis trapezoides obtusis crenatis i racemis simplicibus. — Habitat in Nova Guinea.

5613/., LECAMODISCUS *Planchon.*

(Planchon in W. J. Hooker, Niger Flora pag. 251.)

Calyx quinquepartitus. Petala 0. Discus calycis fundum occupans Ob's cure decemcrenatus. Stamina decem, intra disci marginem inserta, antheris oblongis. Ovarium villosum, apice vix in stylum brevissimum attenuatum, intus triloculare. Stigma crassum reflexo-trilobum. Ovula in loculis solitaria erecta. Drupa obovoidea vel globosa, styli reliquiis apicalibus, intus abortu unilocularis. Semen arillo mucoso involutum. Embryo rectus, cotyledonibus crassis conferruminatis, radícula parva. — Friitex? Africae occidentalis tropicae, habitu *Cupaniae*. Folia imparipinnata, foliolis oppositis vel alternis integerrimis. Racemi breves axillares, floribus secus rhachin fasciculatis, breviter pedicellatis.

1. *L. CUPANIOIDES Planchon 1. c. 251. f — Crescit in Sierra Leone et in Senegambia.

5615/4. HARPIJLIA *Rxb.*

(Rxb. Flor. Indie, [ed. Wall.] II. 441.)

1. H. JUGLANDIKOLIA Blume, Rumphia III. 177. — Foliolis 3—6-jugis ellipticis oblongisve, utrinque attenuatis coriaceis; racemis solitariis axillaribus vel paniculato-terminalibus ramosis.
 ' P» var. *multiflora*: ramis cymiferis racemorum magis ramosis multiQoris. — Crescit in insula Sumatra.
2. H. FRAXINIFOLIA Blume 1. c. f — Foliolis 4—7-jugis oblongis obliquis obtuse acuminatis. basi subaequali obtusatis membranaceis; paniculis racemisve ramosis solitariis conferiisve; fructibus glabriusculis. — *Tina rupestris* Spanoghe, Lionaea XV. 181. — Timor.
3. H. THANATOPHORA Blume 1. c. 178. f — Foliolis 2—3- raro 4—5-jugis ellipticis oblongisve obtusis vel obtuse acuminatis, basi attenuatis coriaceis; racemis solitariis conferiisve ramosis; fructibus subglobosis; arillo semen alte vagi name, ore eroso-dentato. — *Thanatophorus erythrospermus* Zipp. Bijdr. nat. Wetensch. V. 181. — Crescit in Nova Guinea.
4. H. FRUTICOSA Blume 1. c. 179. f — Foliolis 3—5-jugis oblongis am ellipticis, utrinque subattenuatis coriaceis; racemis (fructiferis) laxis ramosis pendulis; fructibus atellato-puberulis; arillo semen semivaginante. ore integerrimo. — Habitat in sylvis maritimis Novae Guineae.

5613/5. OTOPYCHIUM *Blume.*

(Blume, Rumphia III. 179.)

Flores regulares. Calyx profunde quinquepartitus, foliolis biserialibus, praefloratione imbricativis. Petala 5, foliolis calycis alterna/margine utrinque supra unguem auriculato-involuta. Stamina 5, disco intus inserta. Filamenta filiformia distincta. Discus annularis, fundum calycis occupans. Ovarium centrale sessile biloculare. Ovula in loculis Semina, angulo interno supra medium superposite affixa, superius aescendens, inferius ascendens. Stylus terminalis longissimus, stigmate laterali subtorto. Capsula bilocularis, elastice dehiscens. Semina in aculis subgeminata. — Arbor in sylvis montanis insularum Javae et Sumatrae crescens, habitum cum *H. app. a* et *Cos. que* plane congruens: foliis alternis parvis aut interdum imparipinnatis, foliolis suboppositis integerrimis; floribus in racemis axillaribus subterminalibusque fasciculatis polygamis.

*. 0.1MBRICATUM Blume 1. c. 180 f - Sumatra

5613/6. *BII%I\T rOA Blume*
(Blume Rumphia III 181)

Floies regularcs Calj\ piofunde qumquepartilus Petala 5, inlus supra basin bieMssime appendiculata Discus Stamina 6 (an semper⁹), receptaculo inserta Ovarnim compressum bisulcatum biloculare, loculis biovulatis Stylus subulatus subcircinnalis stipmate simplici Capsula pedicclata orbiculans, ala membranacea cincta, bilotulans stpticulc (') Imalvis Semma in loculis pemina obo\oidea. dissepimento marginah affixa — Arbor insularum Philippinarum folns oltornis impaupinnalis, foholis emarginatis Integemmis glabns ffonbus paniculate

1 BL 'PTELE\ Blinco Fl Filip 63; ARBOREY Blume 1 r f — In insulis Philippine

5613/7 *SCHIECKEA // Kant.*
(Krstn in Schlectd Bol Zeit VI 398)

O\anuni tuloculaie (hula in loculis sohtana angulo centrah affixa anatropa ascendentia Capsula tuloculans loculicide debiscens, septa \alvis adhacrenlia Semen eiectum anllo carnoso inclusum exa!buminosum Embijo lectus (vindis), cotyledonibus foliaceis applicatnis, ladicula teieli infera — Iiutev scandens Caracasanus ramis junionbus saepe cirrosis, coitice lenlicilloso lectis, foholis allernis peUolatis siraphcibus aiputn sorulis cxstipulatis, inflore^centns paniculaeformibus axillanbus

1 'SCII Kr^tn — In Venezuela

5614 *CUPAHTIA Plum.*

(DC Prodr I 612 — Wlprs Repert I 612 II 815 V 363)

- 1 C (*Neuropteis*) PLCUROPTERIS Blume, Rumphia III 158 f — Foliorum rhachi supernc membranaceo-maignata, foliolis 2—5-jugis suboppositis oblongis utnnque subangustatis intigeinmis subtus incanis racemis axillanbus et termmalibus simpli* cibus vel ramosis folio nullo bicvioubus capsula tnahia glabia — In msuia Borneo
- 2 C REGLLARIS Blume I c 159 + - Foliorum rhachi apteia foholis 2—5-jugis oppositis vel alterms oblongo - lanceolatis, utnnque angusiatis miegtrnmis, in venarum fljulhs glanduloso - depies^is ramulisque pubeululis lacemis ramosis axillanbus folio raulto brcMoribus cipsula obcordato-In- vel aboitu In- seu uniloba glabra — ID insulis Sumatra 8. Borneo
- 3 C (*Elaltostachys*) /PPPFLIVN* Blume 1 c 160 + — Foliorum rhachi aptera, foliolis 2—4-jugis alterms vel subopposHis%cllipticis utnnque subatlenuatis \el apice obtuse acummatis subicpandu* conaccis, subtus in A ems lamulisque puberulis spicis term¹¹ nalibus subsessilibus simplicibus elongatis densiflon* folio multo bieviouribus — ^a' lentima p inn ala Tipp mss — Jhtpelate pmnala /ipp mss — Habitat in No\ Guinea
- 4 C VERRUCOSA Blume 1 c 161 f — Foliorum rhachi aptera, foholis 2—4-jug** subalterms oblongo - lanceoliti* obtuse acuminitib, basi oblique attcnuatis subrepandi^ \el remote deulatis mcmbiinicei^ subtus in venis lamulisque puberulis spicis ax^ hiibus subsessilibus simplicibus elongrtis densiflois folio multo bievioubus iructibu* lacemosis luibinalis tncoslitis sub\enucosib glabns — Main at in Java occidentali
- > C DISTACHYA Blurae" 1 c 1W f — lohoium rhachi apteia foliolis 3—4-jug¹⁵ MibtUepiis lanceolaii-* vel oblongo-lmctoljtis obtuse acummatis, basi oblique * W nuatis iemote doniaais conateis glabns spitis in peduntulis axilhnbus subgeminais¹⁶ cjlmdraccis densiflons folio multo bieuoubus — In Jaw occidentali
- 6 C MINJALLEN Blume 1 c f— Foliorum rincln superne membianaceo- margina» loliols 5—8-jugis oppositis ilternisve lanceohtis obtuse serralis mcinbranacoH g** huusculis — In insula Ja\

- 7 C LOXGIFOMA nnt in Hook Kow gaid misc II 211 f — Fohohs 15—18 alternis angustis oblongis, basi maerohie angustis iniegemmis glaberrimis nitidis, panicula ampla flonbunda petalis oblongis caece duplo longioribus, squamam hirsuam[^] superantibus stamibus 4—6 — Fohohs bipedalis, foliola 6—9-pohicana, 11/4—2 poll lata — In Brasiliae prov Para
- ^ L CLNNGHAMI Hook Bot Mag tab 4470 f — Ramio, petiolis foliisque subtus, pinniculis, caecibus fructibusque pubescenti-ferrugineis folns pinnatis, foliolis 8—10 oblongis brevissime petiolulatis petalis 4 rotundatis unguiculatis pilosis intus bi-[»]quamosis, squamis hirtis spalhulatis, dorso glanduloso - constans — *Stadtmanma austriaca* A Cumming mss — In [^]va Hollandia boeali habitat
- * C ALBLETHI Miq Smp Surinam select 67 -j- tab 17 18 — Frutitosa polygamodioica fulva panpinnalis foliolis 2—3-jugis oppositis A et suboppositis, brevissime petiolulatis, oblongis obtuse apiculatis emarginatisque corollae membranaceae pellucidopunctatis plants cosia [^]msque (stipulis usque duodena) cum petiolulis rhachique parvis adpressis pilosis glabrescentibus [^]ccims axillaribus, lateribus terminalibusque infra lamosa, spicalis tenuiter rufis, angulatis flonibus hermaphroditis [^]1 masculis breviter pedicellatis subfasciculatis calycis quinque - vel quadripartiti lobis ovatis acutis parvis adpressis pilosis petalis ellipticis paucis, dorso glaberrimis antice squama aequilongi dimidiatim biloba densissime undique tomentoso-hirta auctis, ovano trigono filamentis dense pilosis capsulis vulgo dicocis — Crescit in Surinam
- 10 C POROSA Miq 1 cit 70 f — Ramulis petiolo communis petiolulisque sparsis, cosia subulsa latissimis pilis adpressis puberulis glabrescentibus lons panpinnatis trijugis, foliolis suboppositis vel fere alternis brevissime petiolulatis oblonge subobverse ellipticis, brevissime obtuse subapiculatis emarginatis. basi acutis superne repandis subserratis crassiuscule membranaceis epunctatis, venis octo erecto-patulis. aillis unilobis biforatis inflorescentiae paniculatae axi adpressae densiuscule pubescente, flonibus lufis petalis [^]paulis calycem aequantibus intus dense lufis — Crescit in Surinam
- U C GUIANCENSIS Miq 1 c 71 f — Rarauli[^] nascentibus, petiolo communis petiolulisque pilis tencis nigris dispersis folns parvis 3—4-jugis, foliolis brevissime petiolulatis suboppositis vel alternis obovato-oblongis, brevissime obtuse apiculatis, sursumglossae obtuse serratis dentatis deorsum integerrimis, basi acutis, utraque glabris, subcorollae punctatis venis decem vel novem palulis reticulatis, axillis unguibus, paniculis axillaribus et terminalibus ramosis adpressis pilosis, axi ramisque angulatis, flonibus fasciculatis. pedicellis calycibusque lufis, calycis quinquelobi lobis ellipticis petalis spalhulatis concavo - cucullatis caecem circiter aequantibus, intus dense hirtis, stamibus 10? maculatis — Crescit in Surinam
- l* C LAEVIGATA Miq 1 cit 72 f — Arborea folns panpinnalis. rachis brevissime exserta, antice canaliculata rigida cum petiolis parce adpressis pubera, foliolis bijugis oppositis, brevissime petiolulatis ellipticis oblongis obtuse apiculatis vel obtusis emarginatis rigide corollae, maigris incurvis epunctatis, utraque rarisimis fugacibus [^]ue pilis adpersis, supra splendens laevissimis, costa subulsa prominente venisque tenuibus vulgo semis, raro octo erecto-patulis natis vix reticulatis, paniculis spithamaceis axillaribus rufis, ramis brevissimis, inferioribus ramulosis, superioribus simpliciter cymosis natis 5—7-floris. calycis breviter quinquelobi lobis ellipticis obtusis, petalis obovatis truncatis concavis, dorso glabris, intus cum stamibus pilosis — Crescit in Surinam ad aquas

5614A. *USCHOCARPUS* Blume

(Blume. Bijdrogen p 238)

Calyx panus 5-fidus Corolla nulla Annulus carnosus genitalia
 Jngens stamina 8. Ovanum pedicellatum 3-gonum 3-loculare, rarus
 Jgonum 4-loculare, loculis unilobis. Stylus unus, stigmatibus 3 v,
 awancatis Capsula longe pedicellata 3-gona 3-loculans 3-valvis,

alvis medio septifens Semina solitana basi affixa, anillo membrana-
ceo semitecto.

- 1 *M SUNDACILS Blume, Bijdi 1 t a. Rumphia III 167 f — *Cupama Lesseiliana* Cora-
bess — Wlprs Repert I 418 no 3 — *Cupama Mischocarpus* Sleud Nomcncl
- 2 M SUMVTRANDS Blume I c 168 f - Foliorum rhachi superne tngona. foliolis
quadnjugis subaltcmis oblongis acuminati9, basi acutiusculis, racemis axillanbus et
terminahbu* simplicibus aut ramosis flonbus apctahs doco stamimbusque pubes-
centibus — Habitat in insula Sumatra
- 3 M FUSCESCENS Blurae 1 c 169 f— Folioium rhochi teretiuscula. foliolis 2—3-jugis
subopposuis oblongo-lanceolate, utnnque angustatis, racemis azillanbus et termina-
libus subcompositis flonbus peniopetohs, petalis nnnutissimis caducis disco stami-
mbusque pubesceniibus — In insula Java

r>614/1 ALI.OPHYLIJS Linn

(Linn Gen pi no 791)

- 1 A PERVILLEI Blume Rumphia III 123 f — Rftfnuljs glabris folus simplicibus cu-
neato- oblongis acutis canssime obtusis, superne subserratis glabris, subtus in axillis
venarum saepe barbali laccnu? pedunculalis simplicibus brevibus lanflons, petalis
spathulatis, supra unguem cuneatum biaunculatis. — In Madagascana
- 2 A fclSSILIS Blume 1 c 125 f — Ramulis glabris, folns trifoliatis, foliolis petiolu-
lalib tllipticis, basi angustaiis remote subserratis glabris, in oxilhs venarum subtus
bnrbatis racemis sessilibus simplicibus peta*lis spathulatis, supra unguem cuneatum
squamuln bitida laminam rotundatam retusam \el eroj>am subadaequante mstructis. —
In Ii\|a orientali
- 3 A LKJISTRIMS Blume I c 126 f — Ramulis glabnuscuis. folus trifoliatis, foliolis
pttiolulatis elhpticjs vel trapezoideis ovatisve, superne remote subserratis glabris, in
atillis venarum subtus barbali, racemis pedunculalis simplicibus, petalis spathulatis,
supra unguem cuneatum squamula biloba vel retusa lamina truncato-rotuuduia den-
tata dimidio bieviore mstructis — In Java oneMali
- 4 A (SCHMIDELK Blume — Wlprs Repert 1 414) JAVENSIS* Blume 1 c 126 f —
Ramulis, petiolis raceniisque parce tomentosis, folus trifoliaiis, foliolis petiolulatis ob-
longis vel elliptico-oblongis acuminatis, basi subacutis vel oblusis remote serrulatis
aut grosse repando-serratis glabris lucidis, racemis simplicibus ranssiraee ramosis
petalis cuncatis, supra unguem squamula bipartita laminam i otundalam vel emarginatam
sabadaequante mstructis

P *raccmosa* (*Schmidelia racemosa* Bl Bydr 232) — Ramulis petioli&que gla-
bnuscuis, foliolis oblongis vel oblongo-lanceolatis, utnnque acuminaiis glabris. racemis
simplicibus parce tomentosis

Y- *stnata* ramulis petiohsque puberuhs. foliolis cllipticis vel oblongis, latera-
hbus basi saepe obliquo rotundatis. racemis elongatis simplicibus puberuhs.

5. *ngida* ramulis petiohsque glabnuscuis, foliolis o\ato-vel elliptico-oblongis
ngidis, laieralibus basi oblique rotundaiis. raceme elongatis simplicibus puberulis

e. *robusta* ramulis petiohsque subpubescenubus, foliolis ellipiicis utnnque sub-
angustatis, racemis plerumque bi- vel tnOdis

(• *cuspidata* ramulis, petiolis racemisque parce tomentosis, foliolis elliptico-
oblongis cuspidatis submembranaceis, racemis simplicibus — Java

- 5 A CELEBICUS Blume 1 c. 128 + — Ramuhs petiohsque puberulis, folus tufoliatis,
foliolis petiolulatis ovato- vel elliptico-oblongis lanceolaiisve acuminatis ranssime ob-
tusis (laieralibus basi subroiundaiis vel oblusis; remote serrulatis glabnuscuis, racemis
pedunculatis simplicibus ramosisve, petalis spathulatis, supra unguem cuneatum squa-
mula Integra sive retusa lamina rotundata subcrenulata \el leiusa dimidio brevior
— In dumetis msulae Celebes
- b A. AMBOINENSIS Blume I. c. 129 f — Ramulis petiohsque puberulis, folus tnfolia-
Ii9. foliolis petiolulatis o>ato- vel elliptico- oblongis longe obtuse acuminatis (latera-

- ltbus basi rotundatis) superne remote subbarnato - serrulatis chartaceis glabris, in nervo medio subtus puberulis et in axillis venarum baibatis racemis longissime pedunculatis simplicibus petalis obovatis subcrenulatis, supra unguem brevem squamula bifida lamina dimidio brevioribus auctis — In Amboina
- 7 A DLANCOI Blume 1 c f — Foliis tripartitis, foliis sublinearibus acuminatis serratis flouibus paniculatis axillaribus — *Aporosa lunata* Blanco, Fl Filip (ed I) 290 — In insulis Philippinis
- 8 \ NIGRESCENS Durae I c f — Ramulis petiolisque puberulis, foliis trifoliatis, foliolis breviter petiolulatis ovato-oblongis acuminatis (lateralibus basi subaequalibus lobulatis, terminalibus subaculo) obsolete remote serratis vel subintegerrimis glabrusculis, in axillis venarum subtus barbatis racemis longissime pedunculatis compositis — In Madagascana
- S A SAUGNUS Blume I c f — Ramulis petiolisque glabris foliis trifoliatis, foliis subsessilibus lanceolatis, utrinque attenuatis integerrimis vel apice remote obtuse serratis glabris in axillis venarum subtus barbatis, racemis pedunculatis simplicibus — In Madagascar
- 10 *A INTLGRIFOLIUS Blume 1 c f — *Schmidia integrifolia* DC Prodr I 610
- 11 A COMMERSUNI Blume 1 c f — Ramulis petiolisque subpuberulis, foliis trifoliatis foliolis petiolulatis ellipticis, utrinque subattenuatis (lateralibus basi obliquis) mucronato-serratis glabrusculis, in axillis venarum subtus puberulis, racemis pedunculatis trifidis — In Borbonia insula
- 12 'A CAMUESHDLI Blume 1 c f — *Schmidia puberula Cambess* — Report I 415 no 11
- 13 *A (SCHMIDELIA DC 1 c 611) TIMORENSIS Blume I c 130 f
- 14 'A (SCHMIDELIA DC 1 c 610) COBBE Blume 1 c 131 f
- 15 A SLMATRANUS Dumo 1 c 132 f — Ramulis petiolisque tomentosis, foliis trifoliatis, foliolis petiolulatis ellipticis acuminatis, basi acutis, grosse dematis, utrinque in nervo medio subtusque elutino-tomentosis, racemis pedunculatis ramosis, raro simplicibus petalis cuneatis, supra unguem longum squamula biloba laminam inlegemmam vel deniculatam nrisime retusam adaequantibus auctis
- ^ *aenulatus* Ramulis petiolisque tomentosis, foliolis ellipticis utrinque subacutis vel interdum apice obtusis (terminalibus basi cuneatis) remote crenulatis, utrinque ID HOMO medio subtusque subtonnentosis
- Y* *elongatus* Ramulis petiolisque tomentosis, foliolis oblongo-lanceolatis, utrinque acuminatis (terminalibus basi cuneatis) remote dentatis vel mucronato-serratis, in nervo medio subtusque in venis subtomentosis
- \$ *glabrusculus* Ramulis petiolisque subpubescentibus foliolis ellipticis acuminatis vel utrinque subacutis (lateralibus basi saepe obliquis) remote dentatis vel crenulatis, utrinque HI nervo medio subtusque in venis puberulis
- e *politus* Ramulis petiolisque puberulis, foliolis ellipticis acuminatis, basi subacutis (lateralibus basi subobliquis) remote dentatis vel subserratis glabrusculis, sed sub lente in nervo medio utrinque subtus ostigia obsoleta pubis raras tandem fere dehuescentis referentibus — Crescit in insula Sumatra
- 16 *A (SCHMIDELK Bl — Wlprs Report. I 414 no 2) FULVINERVIS Blumel c. 133. f
- ? *bullatus* Foliis ovatis vel ellipticis acuminatis vel acutis rarisime obtusis (lateralibus basi suboblongis) remote serratis, interdum bullatis, racemis simplicibus dum saepe bifidis petalorum squamula lamina dimidio aut modo tenente brevioribus semibiloba
- Y- *luscus* Blumel c 134 Foliolis elliptico-oblongis lanceolatisve acuminatis acutis, rarisime obtusiusculis (lateralibus basi rotundatis vel subacutis) remote serratis vel sublinearibus serratis racemis simplicibus petalorum squamula oblongiuscula vel truncata indivisa vel subbiloba
- ^ *montana** Foliolis ellipticis vel oblongo-lanceolatis subacuminatis, rarisime obtusiusculis, basi subacutis vel lateoblongis obtusiusculis, remote serratis membranaceis racemis simplicibus, petalorum squamula indivisa vel subbiloba lamina dimidio brevioribus — An species? cujus loricula var. *reclmala* non nisi in insulis

e *rechnatui* Blume I c 135 Folus longe petiolatis foliolis elliptico-oblongis acuminatissimis, basi aculis remote serrulatis membranaceis racemis simplicibus brevibus

£ *Iurmanmtus* Foli/s elliptico - oblongis vel lanceolatis acuminatis basi subcutis remote serrulatis membranaceis racemis simplicibus petalorum squamuli biloba lamina dimidio brevior

t|. *hiramus* Foliolis subsessilibus oblongis |e| oblongo-lanceolatis acuminatis* (lateralibus basi obtundatis) obsolete remoteque serrulatis membranaceis racemis simplicibus petalorum aunculis sicpe mae'quilongis lamini plus duplo brevioribus — An *pecis? sed |ir *Bantanunsem* cum var *fusco* quodammodo conjungens

% *sncpus* Foliolis petiolulatis sub sessilibus oblongo-lanceolatis acuminatis rursus oblongis basi subcutis vel hinc rilihus subrotundatis obsolete remote serrulatis membranaceis sublongis senceis. racemis simplicibus petalorum aunculis saepe inaequilongis hinc plus dimidio hincioribus — An specie* >

t *velutmus* BI 1 c 138 Foliolis subsessilibus o\atis |el ellipticis aculis* aut interdum obtusis ita serrulatis vel ropando-dentatis senceo-velutinis racemis simplicibus |el lamina petalorum squamula biloba lamina dimidio brevior

X *Bantanunntis* *Scluniddia* *Banlamenns* Blume — Wipis Repert I 414 no 1 Foliolis ovato-oblongis acuminatis repando-serrulatis membranaceis racemis simplicibus |el ramosis petalorum squamula lamina vix brevior bifida

17 V BUFESCENS Blume 1 c 159 f — Ramulis petiolisque tomentosis folus trifoliate foliolis petiolulatis vel subsessilibus ovato-vel elliptico-oblongis acuminatis (lacralibus basi rotundatis) serratis utraque pubescenti - scabris et in nervo medio foliolis obovatis racemis pedunculatis simplicibus petalis spatulatis, supra unguem squamula lamina dimidio brevior auctis

p *heUrodon* Foliorum serratis nunc rectis nunc appressis* vel subfalcatis

7 *cuspidatus** Foliolis* cuspidatis inaequali - serratis membranaceis — Borneo

18 A RUGOSUS Blume 1 c 138 f — Ramulis petiolisque tomentosis folus trifoliate foliolis petiolulatis |el subsessilibus ellipticis, utraque aculis vel obtusis, remote serrulatis rugosis supra puberulis <obtusis velutino - tomentosis racemis pedunculatis simplicibus petalis spatulatis, supra unguem elongatum squamula retusa vel biloba lamina dimidio brevior auctis — In Java occidentali

5614₂. L.EPIBOPETALIUM]» Blume

(Blume, Rumphia III 171)

Flores regulares Calyx cupulans quinquefidus, praefloratione valvacea Petala 5, aequalia minutissima, intus in squamam laevem orbiculatam expansa Discus regulans, calycis fundum obvestiens, dilatatus quinquangulus depicissus Stamina 8—10, disco inserta Filamenta inaequalia libera 0\anum centrale sessile lenticular-compressum biloculare (hinc in locis solitaria, angulo interno medio affixa ascendente stylus breviter conicus Stigma obsolete emarginatum Fructus — in Philippinis crescens erectus cernuus folis alternis petiolatis exstipulatis paucijugis, saepe cum impari, foliolis suboppositis integerrimis, floribus* in racemos breves confertos axillares fasciculatis

1 *L PERROTETUM Blume 1 c 172 f — *Cupama Parottetu* Cambess — |lpr Repert I 448 no 4 — In insulis Philippinis habitat

5614₃ ARYTÆRUM Blume

(Blume Rumphia III 169)

Calyx cupulans, bilobus quinque-raro quadriduus, praefloratione valvata Petala 5, aequalia, calycis lacinae alternae aequales, intus

supra basin squama limbuin adaequanle aucta. Discus annularis regularis crenulatus. Stamina 7—10, inter discum et ovarium inserta. Filamenta liliformia libera. Ovarium centrale subslipitatum, bi-rarissime trigonum, bi—triloculare. Ovula in loculis solitaria, angulo centrali medio affixa, ascendente. Stylus terminalis simplex, stigmatibus bi—tridentato. Capsula coriacea, bi-vel abortu uni-rarissime triloba, 2-vel abortu unilocularis, lobis cymbaeformibus, maturitate secedentibus et elasticè in binas valvas discretis. Semina horizontalia compressiuscula, arillo cupuliformi semiimmersa, testa coriacea. — ^{Arbores} Archipelagi Indici: foliis alternis exstipulatis paripinnatis, foliolis paucijugis oppositis integerrimis coriaceis venosis; floribus polygamo-dioicis, in racemis spicaeformibus axillaribus compositis fasciculatis.

1. *A. LITTORALIS Blume 1. c. 170. f — *Euphoria xerocarpa* Blume. — *J. Siphoclium xerocarpum* Cambess. — Wlprs. Reprt. I. 420. no. 3.
- ? A. MONTANA Blume 1. c. 171. i — Foliis 2—4-jugis lanceolatis acuminatissimis; racemorum rhachi subimbricata. — In insula Sumatra.

5614/4. SPAHTOOHKA *Blume*.

(Bluræ, Rumphia III. 172.)

Flores regulares. Calyx cupularis 4—5-dentatus, praefloratione valvacea. Petala nulla. Discus brevis annularis crenulatus regularis. Stamina octo, disco intus inserta erecta. Filamenta subaequalia libera. Ovarium centrale sessile orbicordato-didymum biloculare. Ovula in loculis solitaria, e basi ascendente. Stylus inter ovarii lobos simplex, stigmatibus obsolete bidentato. Fructus carnosus orbicordato-bilobus vel abortu unilobus, lobis ovoideo-globosis, transverse disruptis monospermis. Semina subglobosa, arillo cupulaeformi grumoso inclusa, testa crustacea. Embryi curvati cotyledones incumbentes heteroideae. Radicula brevis, hilo proxima infera. — Arbores in Moluccis, Guinea Nova et Timor crescentes, exstipulatae: foliis alternis paripinnatis, foliolis oppositis alternisve, dentatis; racemis axillaribus terminalibusve.

1. SP. FERRUGINEA Blume 1. c. 173. f — Foliolis 3—4-jugis elliptic-oblongis acuminatis, inaequaliter dentatis, subtus, rhachibus, racemis compositis fructibusque ferrugineo-tomentosis. — In Nova Guinea.
2. SP. GLABRA Blume 1. c. 174. f — Foliolis 3—7-jugis lanceolatis vel ovato-oblongis, utrinque subattenuatis obtuse dentatis glabris; foliorum rhachibus racemisque subramosis puberulis; fructibus sericeis. — In insula Roüy ad Timor.

5615A. OTOLIEPIS *Turczan*.

(Turcz. Flora [B. Z.] XXXI. 708.)

Calyx quadripartitus subaequalis. Petala quatuor laciniis calycinis alterna glabra, basi obtusa, intus plicata, plica in squamulam desinente. Stamina sex, filamentis disci annularis margini insertis, brevibus ovoideo-compressis, antheris terminalibus oblongis bilocularibus, longitudinaliter dehiscens. Ovarium intra discum sessile biloculare, ovulis in loculis solitariis, e fundo erectis. Stigma sessile supra ovarium expansum orbiculare, indivisum vel obsolete bilobum. Capsula coriacea indehiscens orbovata, unilocularis monosperma. Semen erectum cavitatem explens. — Arbor seu frutex: foliis abrupte pinnatis, foliolis 6—8 oppositis alternisve oblongo-lanceolatis, in petiolulum brevem attenuatis, acutiusculis obtusisve penninerviis, integerrimis glabris, stipulis magnis orbiculatis; Paniculis axillaribus foliorum fere longitudine, e racemis compositis remotiusculis constantibus; floribus parvis, in sicco nigrescentibus

(alropurpureis), lonpiuscule podiceJlads subfascirulatis capsulis atratis pisi magmtudine Semma?

1 *O MGRESCFNS Turczan I c — Crescit in msuh Luron

5616 T4L.ISIA *Aubl*

rDC Prodr I 509 — Wlprs Repert I 420)

1 T LA\irLOR\Bnlh m Hook Kew gard misc II 212 f — Foliolis 10—20-nis oblique oblongs obtuse acuinnaais basi rotundalis glabnuscuis sublus palhdis panicula la*a cahubus petalis brevioribus — Petiolus 8—10-pollicans. folio la 2—4-pollica Tin — Habitat in Brasili ie proy ParaCnsi

5617 STKPHEliIOI *Linn*

fWlprs Repert I 420 V 364)

- 1 > MUTABIU Blume *Humphia* III 104 f — Foliolis sub-3—4-jugis oblongo lanceohtis vel ellipticis obtuse acunnalis oblusis\e basi angustatis integcmnm venosis subtus gluci<> rjteniis subpaniculalu* axillanbus et termimlibus Iaxis cilvco 4—5 flrio petalis nulliM fiutlus lobis ovoideo - globosis luberculatis — *Luphona Longana* Blumt Bijdi 231 (non Lam) — Java
- 2 N CHRYSEFLM Blume 1 < 105 f — Foliolis sub-4-jugis lanceolatis obtuse acuminatis b tsi obliquon obtusatis integcmnis vponosis subtus incanis ncemis axillanbus teimnnlil)usque lamosis nljce 5—6-raio quadnfldo petalis nullis fructus lobis globosis mum alls — *Cuphona cluyiea* Korth lib — In Borneo msuh
- 3 iN JIGLA\DIM)I ILM0lum< 1 c 10b }- — Foliolft 4—6 jugis oblongis acutis vel obtubiusculis bnsi subicutis inlegerrinus venosis sublus glaucscenlibus racemis panicul (ul ills axilluibuo rt termnalibus cahce 5- raussime quadnlulo peiahs nullis fiuctus (immiluii) lobis globosis lubeitulito-rugosis — In Ja\ a occidental!
- 1 N I ALRINUM Blume 1 c 109 f — Foliolis 4—6-jugis oblongo - lanceolatis obtuse acuminatus basi ingustnus integerrimis obsolete venulosis sublus glaucescentibus racemis pnmculalis ixillanbus a ttrminalibus calyce 5- raro 4-fldo pelalis lineanspaibulalis tiuctus lobis siibglobosis dense munr His — In Ja\ a occidentlji
- 1 N CUSPID\TUM Blume 1 r 110 f — Foliols O — 9-JUoI^ lanceolatis cuspidatis basi rotundatij> integtrumis trQns\oise venosis supra ghbns, subtus glaucescenti sub\elutims laceuus paniculjtis axillanbus et tenmnalibiis h\is cahce 4—6-fldo petalis nunutis cuncuis tmarginatis aul bifldis — In msula Borneo
- b N' FUMATUM Blume 1 c 111 f — Foliolis 2—3 jugis oblongis lanceolatisve acuminatis basi subacuiis remote creulatis venosis glabrts spicis laxe panicula us axUlan bus a termmalibus cal^ce quinquefldo petalis nullis — Habitat in insula Borneo

5617A Ii\€H^OPETAL,tM *Turczan*

(Turcz Flora [B Z] XXXI 708)

Mores polygamo-dioici Masc calyx quinquepartitus, petala quinquo Jaunus calycims alterna Millosissima, mlus supra unguem squanula rainuta aucta, stamina octo disco annulan mserta, iilamenta filiformia pilosa, apice attenuata, antherae terminates subquadratae bilocuJares, longiludiualliter dehisceDtes, o\aru rudimentum \illosum intra discurn Foeminei flores ignoti fiuctus capsula conacea orbiculans compressa, apice emarginati bivahis loruJicide biloculans monosperma, loculo altero Aacuo, stylo subuhto supeiata Semen basi anllatuna ovoideuna compressum. exalbuminosum testa Crustacea Cotyledones magnae, radícula vix perspicua. — 4iboi seu frutex folns lmpanpmnatis quinquefoliatis, foliolis oppositis brevitei petiolulatis *OA ato - oblongis, basi obtusa, ^el lanceolatis basi icuta, obtusis ^el obtuse acuminates Inleger-nmi<< penninervns glabns cymis lateialibus m panjculam approximaMs,

floribus minutis pedicellatis, basi uni-, supra basin bibracteolatis; capsulis nigris. — Genus ad *Nephelium* accedens, sed filamentis liberis, antheris terminalibus, semine basi tantum arillato, nee arillo incluso atque foliis imparipinnatis diversum.

1. *L. GLABRUM Turczan 1. c. — Crescit in insula Lu?on.

5617/2. CUBIMA Blume.

(Olume, Rumphia III. 100.)

Flores regularcs. Calyx quinquepartitus. Petala quinque. Discus completus quinquelobus. Stamina quinque, ovario circumposita. Filamenta lata incurvata. Ovarium centrale sessile 2—3-lobum, 2—3-lobulare. Styli 2—3 breves, stigmatibus simplicibus. Fructus 3- vel c'ortu plerumque 2—1-coccus, coccis ellipsoideis corticatis tuber-«uJahs vel crinitis, in duas paries dehiscentibus monospermis. Semina Imido pericarpium affixa, arillo incompleto involucrata. — Arborea in Wiilippinis et Moluccis crescentes, minus cognitae: foliis exstipulatis petiolatis pari- vel imparipinnatis, foliolis alternis aut oppositis, inte- piirimis glabris; floribus racemoso-paniculalis terminalibus.

1 C. KLAKCOI Blume 1. c. 101. + — Fructibus crinitis. — *Euphoria Cubili* Blanco, Fl. Filip. 287. (ed. I.) — In insulis Philippinis.

2. C. RUMPHII Blume 1. c. f — Fructibus tuberculato-asperis. — *Boa Massi* Rumph. Herb. Amb. V. t. 3. — Celebes.

5617/., XEROSrElimTUt Blume.

(Blume, Rumphia III. 99.)

Flores regulares. Calyx profunde quadripartitus, foliolis biserialibus imbricatis. Petala qualuor, calycis foliolis alterna aequalia esquamulata. Discus annularis completus. Stamina 7—8, inter discum et ovarium mserta. Filamenta filiformia hbera. Ovarium centrale sessile 'obcordato-did\mum biloculare. Ovula in loculis solitaria, c basi ascendencia. Stylus brevissimus, stigmatibus crasso bilobo. Fructus corticatus indehiscens, di-vel abortu monococcus, coccis ellipsoideis tuberculatis monospermis. Semina exarillata, testa coriacea. Embryi curvati cotyledones crassissimae, oblique superpositae. Radicula brevis lateralis descendens. — Arbor Javae syhas incolens: foliis alternis petiolatis exstipulatis abrupte pinnatis, loliolis suboppositis paucijugis integerrimis glabris; racemis axillaribus et terminalibus solitariis⁸ vel subfdsciculatis.

!• *X. (NEPHELIUM Cambess. — Wlprs. Repert. 1.420.) NORONILANUM Blume 1. c/100, + *Euphoria xerocarpa* Blume (ex p.) — *Etc. ftonrhiana* Blume, BffidY. 234. — In Java occidental.

5618A: ATAIAYA Blume.

(Blume, Rumphia III. 186.)

Calyx quinquepartitus inaequalis. Petala 5, aequalia, supra unguom s uam aucta. Discus annularis. Stamina 8, disco intus inserta erecta. Filamenta inaequalia libera. Ovarium centrale sessile subtrilobum triloculare. Ovula in loculis solitaria, angurio interno ad basin affixa, ascendencia. Stylus inter ovarii lobos centrali«, brevissimus pyramidalis, ^a* angulos stigmatosus. Fructus trilobus tripartibilis, carpellis tribus[^] >oriaceis, superne in alam dorsalem productis, basi monospermis in-[^] iscentibus. Semina ovoidea erecta exarillata, testa co[^]hrees. Em-^{*}ryj curvati cotyledones inaequales crassissrmae, oblique incumbentes,

Radicula bievīs, hilo proxima, descendens — Aibores erectae eucrosae, in insulis australibus Asiae tropicae et Indiae Hollandiae crescentes — foliis subalternis exstipulatis paucijugis vel fohorum abortu trifoliatis, rarsissime simplicibus, lacinie inermis, lobis polygamis, in paniculis terminalibus axillaribus

- 1 [#]A (SAPINDUSDC Prodr I 608 - CLPANIADone — Wlprs Reprt [418 no 2) - SALICIFOLIA Blume 1 c — Timor

5621. SCHIEICHEBA Willd

(Wlprs Reprt I 421 V 366)

- 1 'SCHIL SUBUNDILATA Cunningh Floia (B Z) XXXI 709 — Spec indescr — Insul Philippinae
2 *SCHL REVOLLTA Cuning 1 c — bpcnes indoscupa — Insul Philippin

5621A OTOPHORA Blume

(Blume, Rumplua III 142)

Flores regulares. Calyx profunde 5- v rarus 4-partitus, foliolis biserialibus imbricatis. Petala 5 v raro 4 saepe minuta, margine utnneque supra basin annulato-reflexa. Discus completus annilans crenulatus integer! linns. Stamina 8—9, raro pauciora, inter discum et ovarium inserta, filamentis libens brevissimis. Ovarium centrale sessile 3—4-loculare, 3—4-loculare (Huh in locis solitaria, angulo cellulari paulo supra basin affixa ascendente). Stigma subsessile obtusum obsolete 3—4-loculare. Bacca corticala 3—4- v abortu 2—1-locularis irulehiscens. Semina anillo carinosa involuta, testa characea. Embryo icteri cotyledones crassae inaequales verticaliter juxtapositae — Violes et frutices Asiatici foliis subalternis paniculatis, impannatis, paniculis terminalibus multifloris polygamis

- 1 *O AMOENA Blume I c p 142 observ — *Mthococcus amoenus* Hsskil — *Sthichcia amoena* Wlprs Reprt V 366 no 1
2 *O BLANCOI Blume 1 c obj>ei — *Sapindus bacvatus* Blanco, Flor Fihpin (ed I) p 290
3 'O FRUTICOSUS Blume I c obscn — *Sapindus fruticosus* Rxb Flor Indie II 283 — Wlprs Reprt V 362 no 3
1 O SPECTABILIS Blume I c f — Rhachn aptera, foliolis 10—15-jugis, duobus mflmis subciformibus rotundis oblongis acummalis, basi rotundatis glabris panicula terminali patente caehis foliolis mapquilongis ovarus hirtis" — In Java occidentali
5 O CONFINIB Blume 1 c. 143 f — Rhachn aptera foliolis sub-7—20-jugis, duobus mflmis subreniformibus, reliquis ovato-oblongis acummalis, basi rotundatis glabris panicula terminali patenlissima caehis foliolis subaequilongis ovarus subpubescentibus — In msula Borneo
h O IMBRILATA Blume 1 c 144 f — Rhachi aptera, foliolis sub-20-jugis, nonnullis jugorum posteriorum subreniformibus imbricatis, reliquis oblongo-lanceolatis acuminatis, basi rotundatis glabris panicula terminali patente caehis foliolis subaequilongis, ovarus subpubescentibus — In Borneo msula
7 O PUBEFENS Blume 1 c 145 + — Rhachi aptei i, foliolis multijugis, duobus infimis subconlato-ovatis, reliquis lanceolatis acuminatis, basi rotundatis, subtus pubescentibus paniculis axillaribus et terminalibus palentissimis caehis foliolis aequilongis ovarus hirtis - in msula Borneo
H O ALATA Blume I c 145 f — Rhachi membranaceo - alata, foliolis sub-4-jugis, duobus mflmis subcoidatis vel rotundatis reliquis oblongo-lanceolatis, utnneque angustatis glabris racemis compositis axillaribus lateralibusve. caehis foliolis subaequilongis ovarus glabris — *Aphanamuris alata* KrthU rass — In insula Borneo

- 9 0? PARADOXA Blume 1 c 146 f — Fohorum rhnclu alata, apice trifoliata, ad basin biaunculata, aunculis sive foliohs infimis obovatis rehquis cuneato-lanceolatis obtuscuhs glabris — In Manilla

Tnbus II *DODONAEACEAE* Cambess5626 *DODOHFAEA* Linn

(DC Piodr I 616 — Wlprs Rcpert I 421 Y 368. Annal I 135)

- 1 D WIGHTIANA Blume Rumphia III 189 f — Ramulia jumonbus angulatis glabiis folns brewter pctiolatis lanccolatis ulnnque acummaiis flonbus racemoso-paniculatia ibortu poljgamis cahcis lacinns ovalis acutis fructibus inalatis pedicello longionbus ulnnque profunde emarginntis sinubus apertis obtusis aequolibus aJis circulaiibus laiiis subrepandis membranaceis ulnnque subaequilalis — *D Burmanniana* Wight nee Of — Crescit in peninsula Indiae orientalis in montibus Pulney
- * D WAIZIANA Blume 1 c f — Ramulis junionbus compressis vel subtriquetns racemis que subhirlis folns breviter petiolatis lanccolalis ulnnque acuminatissimis, ranssime apice obtusis vel retusis conaceis viscidis racemis axillanbus et terminalibus simplicibus. calycis lacinns oblongis obtusiusculis fructibus tu- vel inlerdum bialatis pedicellum adaequantibus, utnnque profunde einargmilis sinubus apertis acutis subigqualihu? alis subcirculaiibus obiter repandis membranaceis superne lationbus et exirorsum magis porreclis — *D tnquetra* Jungh mss — In Java onenlali
- 3 D DOMB&YANA Blume 1 c -j- — Ramulis jumonbus compressis vel subtriquetns ghbns folus breviter peliolatis anguste lanceolalis acummatis, ranssime obtusis, bnsi in petiolum angustalis integernmis vel obsolete repandis coriaceis viscosis flon- IUM racemoso-corjmbosis hermaphroditis cnlycis lacinns ovato-oblongis obtusiusculis fiuctibus in- ranus bialaiis pedicello longionbus apice smu profundo acuto aperto CXCSIS basi obsolete cmirgmaiis alis circulanbus obiter repandis membranaceis, superne lationbus — Habitat in Peruvia
- 4 *D CANDOLLANA Blume 1 c 190 f - *D Dwmanna* DC Prodr I 616 — *D viscosa* Roven
p minor — *D angustifoha* Blanco. Fl Filip 312
- 5 0 NATAL&NSIS Sonder, Linnaea XXIII 23 f — Glabra ramulis subcompressis, foliis alternis obovuto-oblongis acuiis, bnsi longe cuneatis, junionbus viscosis, panicula racemosa axillan folio brevior, ramis 2—3-flons divancaiis, fructibus 2—3-alatis cmaigmatis pedicello brevionbus — *D viscosae* L affinis — Port Natal.
- 6 D MOLLIS Lindl in Mitchell Journal of tropical Australia p 212 adnot — Molliter pube&cens ramulis subtereibus folus obovaiis acutis truncdiis rotundatis retusis tn- deniaisque capsuhs tetragoms tngomsque pubescenlibus apteris — Crescit in Au-
^ stralia onentali iropica
- 1 D TRIANGULARIS Lindl in Mitchell 1 c 219 adn — Molliter pubescens foun obtn-
^ angulanbus tridentatis pedunculis masculis axillanbus subsolitarus — Crescit In Au-
^ stralia onentali tropica
- b D TRIGONA Lindl in Mitchell 1 c 236 adn — Ramubs subpilosis, folus obovato-
^ nceolatis paium pilosis integernmis vel ulnnque umdentatlt, capsuhs tnloculanbus
^ Uigoms aptens — Crescil in Australia onentali tropica
- 9 D ACEROSA Lindl in Mitchell 1 c 273 adn — Foliis tenuibus acerosis subfalcatis
^ glandulosis, corymbis axillanbus pauciflons folio brevionbus, capsulis tetraprens, alls
^ P<<ce rotundatis — Crescit in Australia onentali tropica
- 10 0 PUBESCENS Lindl 1 c 342 adn — Minutissime pubescens Mscosa folus brevi-
^ us apice tnangulanbus tridentatis truncatisque, capsuhs tetraprens pedunculatis, alls
^ rotundatis. — Crescit in Australia onenlali tropica
- 11 D PFDDNCULARIS Lindl in Mitchell 1 c 361 adn.- Viscosa glabra folus rigidis
^ elongaiis spatbulatis acutis tridentatis integnsque, lobo medio majore, pedicellis 1—3

- filiformibus, capsulis tetrapteris viscosi«, alis conaceis rotundatis — Crescit in Australia orientali tropica
- 12 D FILIFOLIA Hook in Mitchell, 1 c 241 adn — Fohis sparsis, ramis (°) bims teimsve linear-angustissimis elongaus subrugosis MSCOSIS glabns, utunque canaliculate falcatis, fiuctibus trialatis — Crescit in Australia orientali tropica
- 13 D TLNUIFOLIA Lmdl 1 c p 247 adnot — Ghtbemma viscosa raniuhs angulatis loins imparipinnatis, foliolis 3—5-jugis hnearibus oblu&is subalternis — Crescit in Australia orientali tropica.
- 14 D VESTITA Hook in jtfuchell, 1 c 265 adn — Tola densissime pilosa, folns pmnatis, pinms opposilis 4—5-jugis cunealis, apice lunulato-emarginatis vcl incis, rhachi articuhitd, articulis obovatis, capsulis profundis tetrapteris \illosissimi9 — fiescit in Australia orientali tropica

5638^ . HEIJVBdliiIA Schum. y Thonn.

(VVlprs Rcpert V. 371)

- 1 D (?) GRANDIFOLIA Hook ill in W J Hooker, Niger Flora p 249 f— Glabernma ramis validis priolis elongaus terctibus lacvibus. bam incrassaiis, foliolis amplis alternis subremotis bi outer pctiolulatis hneari-oblongis lanceolaus\o, basi inaequaluei runcatis rotundatis integerumis, pamrulis axillanbus folio brevionbus lamosis fructibus did j mis subbaccntis — Crescit in iSigtia ad Cap Palmas
- 2 D INSIGNIS Hook M 1 c p 250 f — Glabia foliolis 13 vel ulna amplis altcini» brevissimc pcliolulaus oblongo-ellipticis acuminatis undulalis, basi obtusissimis paniculis mfiarfoliaceis ad axillns foliorum delapsorum elongatis, sopali* e\tus puberulis pelalis glabns ciliatis stamimbus ciliatis. — In insula Fernando Po

5639. ULEIiIOSMA Blume

(Wlprs Rcpert I 423 II 816, Annal I 135)

- 1 M ANGULATA Blume, Rumphia III 197 f — Arborca ramulis angulatis, folus simplicibus conaccis cuneato-oblongis lanceolalisve aculis vcl acuminatis mlegemmis aut remote dcntatis glabnusculis vel in nervo medio vemsque subtus et in pamculis erecto-patentibus rufo-pubescentibus. pctalis staminifens filamenta adaequantibus pleiumqmc fere ad basin usque bipartitis, fructibus subglobosis, magmtudine pisi — *M simplicifoha* Rl mss — In Java occidentali
- 2 M FRUTICOSA Blume 1 e 198 f — Fruticosa ramulis teretibus, folns siraplicibus chartaceis oblongo-lanceolatis, utunque acuminatis integcmims, subtus subpubescentibus. pamcula terminal] divaricate flaccida rufo-pubescente, pctalis staminilcns longitudine fllamcutorum scmibifldis — In insula Java
- 3 M LAURINA Blume 1 c f — Arborea ramulis teretibus, folus simplicibus membiaiuceis cuneato-oblongis cuspidatis, basi obhquis integerrimis, subtus fulvo-tomentosis, pamcula terminali densa rigida fcnugineo-pubescentle petalis staminifens flhmentd adaequanlibus, apicc tnfldis — In insula Borneo
- 4 M LEPIUOTA Blume 1 c 199. f — Ramulis teretibus foliis simplicibus subconaceis ellipCicis vel clliptico-oblongis cu^pidatis, basi in peiolum angustatis integerrimis glabns, subtus lepidotis, pamculis patentissimis flaccidis rufo-puberulis petalis stdminifens brevissimjs bipartilis, fructibus dlipsoideis ultra semipolhcanbus — Habitat in sylvis montanis msulae Sumatrae
- 5 M (MILLINGTONIA N nb E) LANCEOLATA Blume 1 c 200 f t 168 — Aiborea folns imparipinnatis. foliolis 6—14-jugis lanceolatis \el oblongo-lanccolalis (inflms passim ovatts) acuminatis, basi inaequali-acutiusculis subinlegemmis conaceis, supra glabns, subtus puberulis pamculis elongatis lavis patuli* ferrugineo-pubescentibus petalis staminifens in denies bmos filiformes fllamcno adnatos mutatis, fructibus subglobosis (mdgnitudme pisi ntajons) — In Java occidentali
- p. *pendula* foliolis (majonbus quam m a) oblongis abrupte acuminatis, apicem

versus obsolete serrulatis conacels paniculis penduhs drupis clrciter magmtudine cerasi minons — Cream in insula Javi

Y *membranacea* foholis (modice tantum majonbus quam &) oblongo-lanceolals acuminatis, basi magis acutis, subtus minus distincie reticulaus, ad apicem obsolete senulatu membranacei" pamculis maximis pendulis — Credit in insula Java

8. *chmtacea* foholis aunles var Y> sed saepe majonbu* integemmis chartateis drupis globosis, magnitudme cerasi mmons — Crescit in Sumatra et Borneo

t *obliqua* foliolis longius petiolulatis (magmtudine var \$) basi acutis vel passim oblique angusialis integemmis conaceis glabns — (rescit in Sumatra

C M GHUfA Dlump 1 c 200 f tab 168 B — Arborea folns impanpnnatis. foliolis 3—5- raio 7-jugis lanctoldlis acuminatis, basi inatquali obtusalis vel passim acutis subintogemmis subcomceis, supra ghbus, subius glaucis et in neivp medio supra velutmis pamrulis dense corjmbosis rubjginoso-tomentosis petulis slamimfi'ns duarum appendicum subularum flmbrintarum insiar infia medium flameniorum denliculo dorsad mterjectis. fiuctibus globosis (magmtudine gram piperis) — AT *sambucina* Jungh Tijdschr VIII 365 — Java

7 M FLORIBUNDA Blume 1 c — Arborescens folns impanpinnatis, foliolis 2—6-jugis elhpiicis acutis acuminatisve, basi subrotundatis vel interdum acutiusculis remote serraus subconaceis. supra pubescent!-scabns, subtus pamculisque densis divancalis rubigmoso - tomenlosis petalis stamimfei is in appendices binas penicilliformes flamentis supra basin adnatas mutatis, fruclibus ? — Habitat in insula Ja\

8 M (MILLINGTOMA N ab Ls) FERRUGINEA Blume 1 c — Arborea folns impanpinnalis, foliolis 2—6-jugis ellipiicis acutis acuminatisve. basi subrotundalis vel interdum acutiusculis remote set ratis subconaceis, supra pubescenti-scabris, subtus pamculisque denxjs divancatis rubiginoso-tomentosis petalis slamimfflis in appendices binas ponicillilormes flamentis supra basin adnatas mutatis, fruclibus ? — Habitat in insula Java

9 M CONFUSA Blume I c f — Arborescens **folns** impanpinnatis ranssime (in ramu* lis florahbus) tnfoliatis foliolis 2—3-jugis ellipiicis vel oblongi^ aul interdum lanceolotis cuspidatis (rans^ime retuais cum mucrone) basi angustatis remote serratis \el mucronato - serratis vel gros&e mucronato - denlalis merabianaceis glabns pamculis laxiustulis erectis ftrugineo-tomentosis. petalis staminifflns filamenlum adaequantibus obovatis subtnlobls. fructibus ellipsoideo-globosis — *Millingtoma pinnata* Korlh Hb — In insula Sumatra

10 M HIRSUTA Blume 1 c — Arborescens. folns impanpinnatis, foliolis 7- aut multi-jugis lanceolans acuminatissimis. basi rotundatis integemmis vel remote sei ralis mom<ranaceis, subtus et in nervo medio supra cum rhacbi pamrulisque mazimis divancatis ferrugmeo - hirsutis, petalis stamimfens fllamento brevionbus subbilobis, fructibus globosis (magmtudine cerasi mmons) — In insula Sumatra.

11 M (MILLINGTOMA N ab E) NITIDA Blume 1 c 202 f * *⁶⁹ — Arborea foliis pinnotis, foliolis 3—5-jugifl cum impart lanceolatis vel oblongo-laoceolatis. utnnque an-Kustatis integemmis conaceis glabns, pamculis terminalibus axillanbusve erectopatentibus puberulis. petalis staraimferis fllamenturo adaequantfbus cunealis, superne repando-crenulatis, fructibus ellipsoideis (magmtudine pruni mmons)

P. *ndentata* arborescens, foliolis elliptico-oblongis (jugi lnttmi ovatis) abrupte acutis vel acuminatis cbartaceis, petalis stamidifens auperoe obtuse tridenlatis, fructibus ellipsoideo - globosis

Y- *cerastformis* foliolis ut in a, sed interdum textura tenuion petalis stamiferis superne truncatis erosis, fructibus <ubglobosis

5. *splendens* foliolis ellipticis vel elliptico-oblongis abrupte acutis aut acumma-
#Us conaceis lucidis — Habitat in sylvis mootanis insulae Sumatrae

HIPP0CASTANEAE DC

(Df Prodr I 597)

5640 OGXADIi End!

(Wlpris Repeit V 371)

- I *U SPECFOSA Emtl — (Wlprs I c no 1) — A Guv Bosl jouin ol nit hi^i
VI 167 ft II ponei II 211 IHI) ITS 179 — *I /l tnonhylla* Scheele Linnaea X\I
5<9 — *I hpptophylla* Schcele I c XX 352

5641 AJESCUMJS Linn

(DC Piodr I 597 — Wlpi* Repeit I 423)

- 1 A TURBIfcATA Blume Rumphia III 195 f — Fuliolis 5—7 Mihsessilibus cuneaioblongis VPI obo\ato-cuneaus icnmmjiis duplinto - cien no - serraus ccxtntis, supra gldbris, in axillis vennum subius harbdiis et in nervo medio peioliis peduncullsque pubrrulis floubus unilatealibus 6—7-andus siammibus |etalis longionbus capsuli? turbinam laevibus — *Aesc fatta* Tlinbig Fl Jupon 154 — In moatoeis Japomac

Ordo XLIII. HUMIRIACEAE Mart(Wlprs Repeit I 425 II 816 A 372 Annal I 135 — *Meliacemum genera* DC Piodr I 619)**5486 HOIRIU1I Matt**

(DC Piodi I 619 — Wlprs Rtpeit I 425 II 816 V 372.)

- 1 H SLIRINAMENSE Miqu Snip Suunnincns select 8fi + lab 24 — Ramulis, petioli!. folus junioribus subtus in ntivis IndoiLbCcntn cahce petalisque medio dorso pili» lenens paiulis id^pcrsis loliii lotumhto- \tl elliplico-obo\dlis acuiiusculis vel emarginatis bdbi abiuple jn pctjohim nlaiuni contiacus icpnndo-crenulatjs jnlerqec ciena^ subtus setus mdigemem glindulosis cunaccis c\mi» aiillanbus longe pedunculaus fo hum "upeiantibus nncipitibus (fchcis lobis abre\jati>s lotuudaiis flameotis ad mai* ginca papilloso-munculatis ant+renruin loculis ciliolalis connectivo acutato superati^ — Crescit in Suunam prope plantationem Beilyn

Ordo XLIV. MELIACEAE j_{USS}

(DC Prodr I 619 fexel Inb 3] — NMprs Repeit I 426 II 817 \ 373 Annal I 135)

5519 TURRIEAL

(Wlprs Repeit I iZb \ 373)

- 1 T \OGELII Hook fll *.iger Floia p 253 f — Rimulis pubescenlibus folus **clliptico**-ovaus acuminatis integerumis ad urns pubesientibus flonbus pediceliatis pentamens cahec bievisime dentato tubi siammei denubus 10 setaceis, demum pal^{etl}n tibus ovino 12-loculan suh pane jnflata ipice tantum slignntosn peiala non expilenu - Ihbnaï in in<uh Feinandn Po

- 2 r IROPINOVA Hook nl i cit 254 f — Rumulis g'abnusiulis folli elliptico-oblongi* obiusis \el vix acuminatis intogenimis (vel ipici lolntia?) basi angustalis glabris vel MY a 1 \cnis minute pubci ilis floubus pelicclatis peniamens cahce bicvitsime dcnidto lubi stimmei dontibus 20 sotaccis d mum |alentibus ovano 12-loculan >hli parte mflua apice tinliim stigmalosi i el ih supciante — In fSignlia — Rimi |U im in pnoecedpnie tenuion«? nomiiti junioics tonuissime puboiuli foln minoia t in ustion nnjon in spociminc vit tnpollicaila scmclque in specimme folium lpice blntum occmrit P^dunculi pollicares pedicellis in umbella semipolhcanbus b —10 rus bideteolis piucis f ni vis Insi stipilis Flores mmoics* quatin in *T Vogehi* ilbi fngnttissirni Pelili semipollicaua ciassiuscula cuus siccitale canescctia Cihces et geniulia 7 *Jogtlin* in omnibus nisi shli latone cahc^ longiore ot den ubiis tubi staminci 20 nec 10 Ovain loruh 12 — Cre&cit m insuh Si Thomas in sinu Bnfi i
- 3 T AUYSIWCA HochsIPtt mss ex A R ch Tent A Abyss I 106 t 25 — Folns alternis brevis^ime petiolatis ovili-acummatis margme integns basi obtusis et turn maequihens nut sensim aitenntis et tune lequilntru* supcine gnbruisculis subtua lufo pubeniibus pedunculis in a\illi foliorum supenorum solilmus apice 3-florist floubus pedicdhtis bisi hbraetcolalis cahce 5-dnntato dcnibus icutis potalu pa icntibus oblong) spituhlis ibtusmsculis pubtntihis tubo sCimmoo giacili apice dih tito 1 acute sub Untdlo cnpsulis {Jobo^o depiCbSib_hbus 5 loculaubus 5 >ilvibu> Itculis 2 s|cum* — Ciis.cU in \.b\ssmiae pVovincn Child et piope Tcht hlchdkimnd i cc non inter Mitgouagoin et Dobiasina el in monte bellcudi pi ope V loin

5538 EKREKOU *Sparm*

(DC Prodi I 623 — Wlprs Repeit I 431)

- 1 L ICTTIVNV V Ricli Ttnt fl Abjss I 105 hb> 21 — Folns in apico idinuloium conierlis |eliohii^ iinpni(innatib foliolis meubiinaceis 7 — 9 opposilib bre\isbime 1 oioliulalis cllil ticu obhn^ib iculir> bdbi \alde nniqui tleus ^hbrib siibliib glauci^ i icniib nmOMS ixillaul us. foliu mullo bicMonbus ciljcis o full lacimis semiovalibu^ nun? mu_Dmc cilnlis pcialis (blon^is obiusis liiiiipinosis sUmmum tlhnu ntis cod 1'is laiiiigims & fiuctihus sub_elobos) apicuhlis _Dhbns 1—2 spernus — (resell 'i Anssmnc provincia Tdidicot
- 2 * (TRI(HILI\Frcs - Wlpis Repeit I 432 no 3) RIPPLLIAMA Rich I c 105 — Fohis, in Tpice nmoium confdtis petiohtis impai ipinnails, tolioli^ comccis 7—^op ppsitis peliolulatis (Uipicia iditit uit i ii HIS oblUM* subtus in nei\o medio pubcti- tibus supime ghbus sublus tlauc^s runulis petiolis petiolullsque rulo-pubeniibus racemis elongatis r nnois pedunculiis i ufo - pubenubu* fi uclibus subglobosis carnosis — Crescit in Ahyssmnc \allo Iicha in legione superiorl septentnonah monts Scleud

J541 Tni€HII*1% *Linn*

(WIp, Rqul I 432 II 817 V 378)

- 1 T H NUALL>SIS Sondei I mnaoa Will tf f-Ghbrn loliu paUolaUa impvnpiii- n«d8 2—4-jugis foliolis opposiis so««libus nnceolahi acuminaiu aubftlcais aoi- «aiis subtil pillflionbus raicmis confenis simplicibm folio multo brevlonbus flo ^Ubu> breMci peduncuhlis 4 penis 8 andris slamibus in tubum bre\em connalis ^{sl}Smatc 4 lobulito — *Iluipci hyllum minium* Sond lms — Poit Natal
- 2 TR PORTLSU) LCHIVH ARPV VIIPSC Noderl kiuidk \rchiof 1848 I p 251 f— *olus impnri- ct dcciescenti pinniii« 2—3 jugi3 sublus ad IKI\OS pilosiusculia ob- l'que ovius mtegemmis pttiolulati^ unpin raajoi cvniis. paaciflons avillanbus peliolo commum mullo bievioubus inthci^ MIOMS capsulis conaccis ithiaalis — THCM- 'w specios' — Crosen in Suripim

5542. JMOSCHOXYLUNI *Adi. Juss.*

(Wlprs. Repert. I 433 II 817)

- I M & URINAMn\Sh Miqu Stirp Sunnamens select 73 f — *Glabium* folus alternis longtuscule pctiolatis, foliolis bijugis cum jmpari, suboppositis, breviter potiululatis lanccolato-oblongis brevilei obtusiuscule ncuminaiis, teiminali majore obo\ato-oblongo, omnibus basi subcuneato - acutis, glabus membramcpis, veins 10-nis 12-nis patulis pamculis parumper supra-axillanbus longc pedunculatis laxis subiacemosis lcomitiflons glabiib, corolla quaduflda glabra — Crescit in Surinam.
- I M PROPINQIUM Miqu 1 cil. 74 f — Ramulis petiolis, nervis, praescrtim subtus et inflorcscentia appresse pubescentibus. foliist alterne et mcioscenti-pinnatis, foliolis 7—8 brevitor pctiolulais. inferioiibu? ellipti is, supenonbus fere lanceolntis, in acumen sublinearc obtusiusculum desinentibus, maigmibus re\olutis patcnli - multi-\cniiii>, <?upid piaeci nervum medium fere glabus, subtus in co venisque seloulis venulisque punctulatis pamculis axillanbus solliarus vel raro geminis, una paulo supia-axillan ramis opposite \el alternis, infenonbus vulgo quinquelflons. supenonbus tnflons cahce dihtato cupulan qumquedeniculato cum corolla quinquelflda nppresse pubescentc, tubo stamineo glabro fere nregularitcr decem-denticulato, an-thens qumque elhpticia — Grescit in Surinam.

5544. CÂRAPA *Aubl.*

^DC Piodr I 626. — Wlprs. Repert. I 435 II 817)

- I C [K< floi pentameni] SLRINAMFASIS Miqu Stirp Sunnamens select 75. f tab 19 — *Arboiea* glabra pctjolis rhacliique "vulgo subrubellis) cjlindraccis, hdc superne anticc subbisulca, foliolis subopposnis vel alternis, 8- vulgo 10—12 -jugis, petiolulalis lanceolato - oblongis obiuis inucionaiis, basi oblique rotundatis chartaceo - conaceis, subtus costa acula venisque houzonlalibus circiler qumdems lenuibs thjrsis composilis racemosis in mniplam pamculam axillarem colleclis, cahcis quinquelobi lobis parvis rolundaiis inaequulibus ciliolatis, petalis ovalibus acutis concavis glabris, androporo decemcicnnto lobis truncatis crosulis sligmate piano peltato — Crescil in syhis Sunnamensibus

Genus dublum.

CORDYIIOBIIASTE *Henschel*

(Henschel in Schlichtd. Dot. Zeit. VI. 604)

Calyx liber monophyllus cupuhformis quinquedentatus, dentibus brevibus. aestnatione subrontoito-imbncatis. Corolla. Pengonium conaceum hypo?y^{num} monoph>llum mfundibuhforme quinquetidum, hmibi lacmiis angustis concaMS obtusis reflexo-patenlibus, aestnatione subvalvatis, tubo longo subincuno limbo fere longiore. Tubus staminifer peiigonn tubo inde a lacie adnalus, limbus libei, in 6 segmenta anthenfera inaequalia hecedens, 10—12-denlatus, pcngonio bre\ior Antherae biloculares introisae partim (10—12) tubi marginem coronantes dentibus oppositae, parlim pagmam ejus inteiioiorem snatam seriatim investientes, filamentis breMbus afhxae (40—45) numeiosae Stylus simplex tubi fere lon-iitudine, stigma capitalum compiessum subexseitum. Ovanum superum ovatum, disco carnosum cum fundo calvus connato insidens, apice ex-fenuato in stylum abeunte pilosum, ihilocularo (?) multiovulatum. (Platentatio, fructus, semen, embijo ignotd) — Aiboi: folus alternis simplicibus conaceis elhptico-oblongis lntegernmis acuminatis exstipulatis breviter petiolatis, ramulis sulcatis, flongens 3—5-flons, flonbus ^ub<?pQsilibus *?ubcvmulosi<? omni e\ paite extus tomentosis Alabastra

claviformia (In his tubus staminifer mdivisus urceolato-cylmdncus pen-
gonio brevior, extus glaber, antherae tubi panetales erectae filamentfs
pnmo recutitis affixae Stigma tubum aequans)

1 'C HENSCHÉLI Montzi, ex Heoschel I c 606 — Crescit m insula Ja>a

Ordo XLVI. AHPELIDEAE *Knth.*

DC Prodr. I 62? — Wlprs Rept I 437 II 817 V 377. Annal I 136 ft 964)

4566. CISSITS *Linn.*

'VMprs Rept I 437 II 817 V 377 Annal I 136 fit 964 — *tissui a Ampelopsit* DC
Prodr I 627 ft 632)

§. 1. Folns simpfcibus

l C ARGUTA Hook fil fciger Flora p 261 f — Glabernma caule gracili obscuri e tra-
gono, bast subpoljgono, folns sublonge petiolatis ovatis acuminatis, basi profunde
cordatis, argute serratis. dentibus ereciis, stipulis late ovatis, cirns gracilibus. pedun-
culi8 petiolo subaequilongis, plensque trichotomis puberulis, cymis subumbellatis
8—10-flons

(3. Folns paulo majoribus, magis angustatis flonbus majonbus. petalis non
< ohaerentibus — In Nignliae montibus

i C PETIOLATA Hook fil 1 c 262 f — Glabernma caule suberoso obtuse letragono
sinato gluberrimo, folns longissinie pctiolatis pallide vmdibus subcorioceis opacis late
o)atis obtusis, basi 5-nervns, lutissime coidatis obscure sinuato-denticulatis; pedun-
tulis ramisque cymae clongatis dichotomis pauciflons, stylo elongato. baccis majus-
culis oblongis — Habitat in Nigntia

J G GLAUCOPHYLLA Hook fil I c. p 263 f — Caule erecto? glabemmo tereti laevi
subglauco. folns longe petiolatis late ovatis acuminatis, profunde cordatis, lobis rotun-
datis mtegermms vel sinuato - dentatis conaceis, supra laevibus, adultis coeruleo-
gnucis, nervis subtus prominulis obscurie puberulis, stipulis late ovato-rotundatis,
wins nulhs pamculis teroinalibus tncbotomis muliiflons, petalis 4 cohaerentibus. —
Folia 3—5 unc longa, 2 — 3¹/_a unc lata, in acumen elongatura products, supra lae-
v¹Q. juniora atro-fusca, semora pulchre glauca, subtus castanea opaca, petiolo folio
breviore Racemi 2—3-unciales compO9iti subcvmosi multiflon — Habitat in Insula
Fernando Po

1 C TETRAPTERA Hook fil 1 c p 263 f — Glabemma ramis crassis carnosis te-
1 rap tens ad nodos constnctis stnatis, folns brevuer petiolatis late reniformi - rotunda-
1)s profunde cordatis quinquelobis carnosis, utnnque sub lente (e rhabdidibus per-
Plunmis) ciebemme punctato-stnatis, subargute serratis: elms crassis elongatis.
podunculo terminal! brevi, apice umbellalo, pedicellis elongatis, flonbus majusculis 4-
PUalis — Petiolus 3—4-uncialis Folia 2 unc lata crassa carnosia. siccitate vindia —
,, Habitat in Nigutia

> (LEONENSIS Hook fil I. c p 264 f — Caule robusto tereti puberulo et setoso
folns late orbiculatis cordatis palmaiim quinquelobis, supra pubescentibus, subtus rufo-
'onatis, lobis ovato-oblongis acummat. argute serratis, cirns multifldis, pamcula
'a?e decomposite ramosa, ramis alterms; corolla pentapelala cahptraeformi — Folia
4 unc lata, submembranacea late cordata, supra medium lobata, supra luride fusca.
^ub lente subarachnoidea et puberula. subtus lana tenui rufa subappres*a instncta,—
In Sierra Leqne

§ 2. Folsn tnfoholatib

- b C MJBDIAPHANA Steiul mss m A Rich Tent fl A^{ss} I 110 — Ramuhs herbacei> giacilibu* stualis glnbrmsculip, ioln> peliolans dignalo-3-pb\lli*. foliohs poiiolulaii* tpnuibus, mtcimcdiu innjori o\ih-oblongo acutissmio, basi obiuo el subcoidifoinu maigine seirato, h\Pialibua biP\ion>U!> toid ito-ncuimnatis sirralis simplicibus au lalerahior lobo tti<>tiicto sen foliolo ninllo mmon aurti*. in nonis puberailm* stipulis minimis ituiis t\raae iimis glnbris petali* distinctly owihbua obiu-iuMulis batus globnso-dipics&is glabus — (rtscil pi ope rthe'htlic'k'mnd non piocul i lonvalle fluvii Ticca/d et in provincia Chirc in Abjssinn
- t (ELOMJATA Miqu Snip. Suunomens select IK) f — R unuhs triiagoms, aduliis ^labns siiuiis, folus terndtis*. foliohs Innccoialo - oblongis i< nlis Kmolt Miinato-dcn-iilo - i^rratis, scrrnluiiii setalc dplinquscntibu^ subconnius pelliciido- pnnctali-iidinqc purcissmie hntcllis glabrscenlibus \cnis quinis asceiuh riubus nudio [x tiolulato basi aequili cunoiito, latei.ilibus sessilibus Jmsi inatqu di obluMuscnlis mflu-lescentia avilldii longo peduncuhila, apire tondensiio - cjniiosa hnlclld, cahçc la to icpando-quandndcnlirulnlo glabro — CiesLit in Surinam
- H C CURHORI Hook III Niger Flora 265 f — Glnbeimna folus amplis tnfoliolati*. petiolo \dlnlo. foliohs puuolulatis o\atis obtusis basi (Oiduis „Mossce et obtuse subduplicato-ciciidii<> carnosis punctis prominuh<> (mphidibus) nodtiis, siipuhis o\oti> acutis, panicula offusa pudunculo elongalo rairiis diciotomis di\ancutis, flonbus majuscuhis, poidlis 4 non cohaerentibus — Stipulae tamo angusioies 1/2 unc longae Potiolus 3—J-uncialis stnatus Foliola 6 unc I6nga, 4 lata plana — Citstit ad Elt-phnnt's Bay in Nigrilia
-) C IHULNSIS Hook (fl 1 c f — Parco pubescens caule gracili teicu obscuie angulaio. <ipnc subtomentoso, folus bie\itei petiolatis tnJoJoldUs, foliolis pctiolulaiis pllipiito-o\ati^ o\ato-lanceolau<<vo acummatis, aigute senato-dentatis, utunquo sed subtil piaccipuo pubcrulis, cims flifoimibus divi^ie. pedunculis elongahs allerno ramosis puhescentibus. ramis pedicellisque brevissimis, lloubus parvis, pclalis 4 apice demum libcus obovalis. — Petiolus uncialis Foliola paiulu. inicrmedio ffaulo longioit V/t—1 unc longa. 1/2—3/4« lata — llabuot in terns Nigntiae
- 10 C MLMii\AN\CFA Hook IU I c p 2bb f — Glabemma flacuda caulo giacilhmo teieti striato, folus petiolniu tnfoliolatis, foliohs piuolulatis, Inierolibus longioubus ovatis ovato-IoncroIatisve acuinnaui, hasi \aJde inaequulibus serrato-df nlaais membranocis, cirus graciliimis, pedunculis tnchotomis paucillons ftuctifcus elongatis, petiolo aequilongis, flonbus minimis — Pclioli 2—3 unc longi, stipulis paivis membranateis loto o\aiis obuisis Folioln 2—3 unc. longa, 1—1% lura. — Cicscil in >jgntia.

§ 3 loins quinquefoliolalis

- 11 C ADENOC^ULIS Steud mss. ex A Rich Tent fl Abjss I 111 — Rainis angular compressis glandulosts, glandulis slipitaiis. folus petiolatis, pseudo-5-fo lolatis, foliohs petiolalis, teiminali ovali-oblongo aculo senato, latoiahbus maxime vaius (evidentei o folio unico vane ct profunde diviso Mnguli? pio\omunlibu!>) buns, nunc foliolis in cgns distmclis ba^i inapquilateris otali -oblongis acutis serraiis, nunc foliolo estei*oi i in duo maoualia usque ad bdMn dmio stipulis Intis subfalcau^ cymis puppittibus, batris o\oidcis glabus — (ILSLII in liuiucti^ id declnia versus fluviani rocc<i/o prope Tchdlateckanne in Abyssinia
- II C SEUPLNS Hochsi mss ex A Rich 1 < — Ranus bcibaLCis stnatis compiossi* dense pubontibui, folus 3—7-foliolalis pptiolatis, foliohs obo\ah-oblongis, basi son-sini attenuatis petiolulalis, opice suboblusis, maigine acute dentatis, piicsertim subtus in ncivis sublanaiis. siipuhis lanceolato-hnoaribus, acutissimis, cjmae lamis lanntis. pclalis biovibus, apice subacutis distinctis. everne hirtis — Crc<c\ in terra iep<i< prope TcfiHdtche'kanm in Abyssinia

nssn>

- 13 f TEMJICAULIS Hook fl >iger Flora 266 f — Caule gracili stnaO parce piloso fohij, longe petiolaiis qumquffoliahuis foliolis pciolulatis, mtermedio majore, latern-
 lihus gcinims lanceolaiis acuminoiis, basi loiundaiis grosse serratii membranacels,
 uiunquo pilosis curia olongulis gricillimis, recemis folio aequilongis, fiucljfs
 dichotome tamosis ovjno disco carnosu unmciso, baccis late pyriformibus. — Petio-
 lus gracilis glabcnununus bipollicaus Foliolu 1'₃—2 unc longa — Habitat in Sleria
 Leone
- 14 C AOGH If Hook fl 1 c 267 f — Setoso-pubesccns caule heiboceo tereti cias-
 SJUSCUO piofundo sumo siipuli> oibicuhn-ovalis acuminaus petiolis pubescenti-
 bus plongaiis (iuri(upfoholdii!> foliolis obovato - lanceolaiis in petiolulum angustatis
 jcummatib deniatis nicnbianacnt supia glabcrcrms, subius ad ncnos praecipue pu-
 bcscntibub pamculd tllusa axillan ainpla alieme et dichotome lamosa, rimls multi-
 llons nonhus pedicellidii^ cjlindraccis pubescnlibii!> pelalis lincanbus apice formcatis
 doi->o sciit ghandulo«»o-capitate oinali> — Caulcs prostrati ramosissimi sarin ntosi
 Peuoli 4—6 unc lutiyl giaciles pubebcontes 1 oliola omnia plana, 2—3 unc longa,
 1 — 1'A Itita, basi in poiolulum '4 unc longura pubesceotem angusiata — In insula
 Forñanco Po

4567 VITI8 Linn

flu Piodi I, 633 — Wlprs Repert I 441 II 817, Annal I 136 ft 964.)

§, 1. Folsn simpheibus

- I V DISCOLOR Dalzell in Hook Kow gord misc II 39 — Glabra caulo ramwque
 ACUU\)— O-angulaiis lubns, stipu is late ovatis obtusis ounculatis, folus peliolaiib
 o\dti> \il oblunco-lancoolalis ncurainaiis, basi cordatis sum lato vcl oblique iruncalis
 Ixrlnuis siinih, tcualuris soligens, supia intense viiidibus, subius nitenlibus pur-
 |mi(i<> iini>clli<3 oppositifolns poduncularis, petiolo duplo longionbus, pcdunculi ramis
 4 — j, IIM l)ii(Ui!> ubtu>is sulVultis pelalis cohncrcnlibus nibris stylo conspicuo ,
 biccis tngii.^ riüidi.^ pisi mnjoris mdgmiudine. — Pcdunculi interdum cimfen, cims
 sunplidbiüi, — Habiit in Indiae onenlalis di^tntu foncano
- ^ V SU((ISA llance, PI nov Ausli Chin diagn inedit p 6 — Scandens puberula
 1 7000 8 olt<uleU' loiiagoms folus o\alo-rotundaiis intcgn giosso et inaequdliter don-
 t\ts Qcummotis, basi truncads, jun onbus subeordaiis spaisc llocroso-villosulis, sub-
 tus m nxillis \en.uum pubeniibus, ciins pctiolos superantibus apice biQdis, inllores-
 (Tim centnpeia pnmtulis longissimis multilloris, calycibus subinlegns. pelalis ellipt-
 tic^ sub mnticM cahptratim secedentibus, Illamentis longis, anthers versatilibuff —
 In nisiila Hongkong Smaium — Pamculae posl nmlhesin deciduae, ila ut fructus nun-
 quam vcl lanssne saltern maturescunt
- * V GORGONOBOTRYS Webb in Hook Kew gard misc II 313 f (adn) — Caule
 rraso flstuloso stngoso-hirto fusco - nigrescentc , peliolis torn en to sis et piJis slrigosis
 hirtis, folus cordalo-5-lobis, lobis subrotundis apiculalis, supra Tifidibus molliter pu-
 bescentibus, subtus tomento fulvo velutmis, venis lomentoais fuww set<coo-iaar<ina-
 l'Si cirns icrnnnalibus, racemis brevibus tomenlosis squamae aphyllao opposilis. flo-
 •ibus par\is conlertissimis, caljce cjailnformi submlegernmo, attminibus 5 ad basin
 petalorum iccoptaculo mscrtis — In Senegambia
- 4 V RUPLSTRIS Scheelo Linnaea XXI 591 f — Caulis stnatus glaber cmcreus tubei-
 ^ulatus, tubeicula subrotunda nigia, ramuli angulali purpurascenles. Peuoli sulcati
 glabuusculi, folium subacquantcs Folia transverse latioia subreniformi - cordata 5-
 nei \ia icticulato-\cnosa ntrvis dncigeniibus. utnnque glabra macqualiter et grosse
 cnriato-sonuta, (Intibus mucronatis, basi subtruncaia integpinma Racemi oppositl-
 fulu decompoMii pjrainidato - oblongi muliillon, folio longiores Pcdunculi puberuh
 puipurascLntcs, racemo multo breviores Biactcae metnbranaceae minutae. Flores
 po jgarai pedicello breviores Calyx nunutus integer divancalus obsolete quinque-
 lobus Petala 5 colncrentia cahptuformia dpcidua Slamina quinque, filamenta di

- stincta glabra, antherae ovatae %ersatiles. fiaccae . . * — Crescn in republica Texensi prope Neubraunfels in rupibus
- 5 V ABYSSINICA Hochstett mss ex A Rich Tent 11 Abyssimc I 112 — Ramuhs glabns, foliis longe petiolatis, basi cordaus, suborbicularibus palmato-subquinelobis lobis acutis, margine dentatis, supcrne glabns, subtus vix in nervn puberulis siipu-
lis laits persistentibus, apico subacutis cymae ramis glanduloso - pubentibus, cahce
extenso plamusculo margine irtegro. petalis brcvibus ovalibuj> glabnusculis, vix apue
acuu — Grcscit prope Tche'latche'kanne' ad arbores scandens in Abyssinia
- 6 V SCHIMPERIANA Hochstett mss ex A Rich 1 c f — Ramis teretibus ferrugmeo-
tomentosis, folns maximis peiiolatis late cordaus aculis, margine sublobulatis, acute
dentatis, basi digitato-5-nervns. praesertim in nervis ferrugmeo - tomenlosis. 8—10
uncias latis, 6—8 uncias longis. cymae uedunculatae ramis ferrugineis, folio multo
brevionbus, fruclibus obovatis — Crescit in pnnincia Ghird in Abyssinia

§. 2 Fols digitatis

- 7 V OXYPHYLLA A Rich I c 114 — Caule sarmentoso tereti striato glabro folns
petiolatis digitalis, foliolis 5 petiolulatis elliptico-lanceolatis, longissime acutis, mar-
gine crenatio-serralis. basi obtusis subaequilatens, sesqu unciam ad duas uncids lon-
gis 5—6 lineas lalis glabns. supulis membrannCeis. latis sessilibus ovali-acuminatis
subfalcatis, persi&tentibus flonbus subcymosis, cyma longo pedunculata. dichotomy
aut trichotome ramosa, cirro destituta, petalis oblongis, apice cohacrennbut, cahce
quintuplo longionbus baccis obo%ato-pisiformibus, dpice acuminatis — *Cissus ta/rnn-
pen* Hochst mss — Crescit in prouincia Tchlleukote et prope Adoua in Abyssinia.
- 8 V ShMIGHBRA Sonder, Linnaea XXIII 24 f — Folus 5-foliolatis. foliolis obo\ato-
oblongis cuneatis, iniermedus petiolulatis, infilmis minonbus basi obliqua sessilibus
omnibus obtusis integerrimis coriaceis utnnque glabernmis, race mo composito ferru
gineo • tomentoso petiolum glabrum aequante — Port Natal

4572 BKKSAMA Fresen

(Wlprs Repert V 378)

- 1 B IMEGRIFOLIA A Rich Tent fl Abyss I 107 t 26. — Fols impanpinnatis, fo-
liolis margine integns aut |ix versus apicem distanter serraUs, sUpula intrapetiolan
brevissime acuta, racemo folns subbrevion, stammibus exsertis, stylo incluso. fila-
mentis brevior. stigraate ovoideo-oblongo. subintegro — Crescit in Abvssimae pro-
Tincia Chire* et in regione media montis Selleuda
- 2 B SERRATA A Rich I c 107 — Fols impanpinnatis. foliolis oblongo - lanceolatis.
acuminatis, margine argute serratis, stipula intrapetiolan oblonga lanceolata obiusa
aut acuta, racemo folns dimidio brevion, stammibus uiclusis. stylo longe ezserto.
stammibus duplo longion. stigmale capitato, obtuse 5-costato — Crescit in Abyssinia
collibus prouincia Ouodgerate

Ordo XLVII: GERANIACEAE DC.

(DC. Prodr. I. 637. — Wlprs. Repert. I. 445. II. 818. V. 379. Annal. I. 137. ft 965.)

6045. ERODHJM *Hfrit.*

(DC. Prodr. I. 644. - Wlprs. Repert. I. 445. II. 818. V. 379, Annal. I. 137. ft 965.)

1. E. RUPICOLA Boiss. Voy. bot. App. p. 724. f — Perenne, totum pilis crispis obsitum praeterquam glanduloso-viscidum: rhizomate crasso elongato carnosum; foliis teneris longe petiolatis ambitu lanceolatis pinnatisectis, pinnis utrinque sub 7 ambitu ovatis iterum bipinnatisectis, lobulis oblongis, rhachi integra; scapis radicalibus folia paulo superantibus crispo-hispidulis multifloris, pedicellis erectis; involucri bracteis brevissimis ovatis membranaceis; sepalis oblongis papilloso-crispis breviter mucronatis; petalis pallide roseis subirregularibus calyce duplo longioribus, duobus superioribus paulo minoribus rotundioribus valde striatis, basi saepe nigro-maculatis; carpellis villosis, rostro eis quadruple* longiori terminatis. — In Hispania meridionali in fissuris rupium Sierrae de Nevada.
2. E. FALL AX Jord. Graines recolt. au jard. bot. de Grenoble en 1849. pag. 14. no. 3. — Pedunculis radicalibus multifloris elongatis folia superantibus; bracteolis ovatis longe cuspidatis patulis: sepalis setula mucronatis, pilis albidis eglandulosis, aliis accumbentibus, aliis longioribus patulis tectis: petalis aubinaequalibus ovato-oblongis, calyce haud duplo longioribus; filamentis staminum fertilium glabris, a basi ad medium dilatatis, superne linearibus stigmata conspicue superantibus: fructus rostro pilis omnino adpressis parce obsito; carpellis pilis albidis laxis subpatulis parallelis teclis, apice foveola subcirculari et infra foveolam sulco concentrico conspicuo praeditis, aristae gyris 7—9; foliis pubescentibus radicalibus oblongis pinnatisectis, foliolis subsessilibus ovatis, basi obliquis profunde inciso-pinnatifidis, lobis subdistantibus lanceolatis inciso-dentatis integrisve valde acutis; stipulis lanceolatis acuminatis; caulibus brevissimis vel subnullis; radice annua vel bienni. — Habitat in herbosis, ad vias in Gallia prope Uzes (Dep. Gard.)
3. E. PALLIDIFLORUM Jord. I. cit. pag. 15. no. 4. — Pedunculis multifloris foliis longioribus; bracteolis ovatis cuspidatis; sepalis breviter mucronatis laxe albido-pilosis, pilis valde inaequalibus saepe glandulosis; petalis inaequalibus ovato-oblongis longius unguiculatis suberectis calycem vix superantibus; filamentis fertilibus glabris. a basi lanceolate linearibus stigmata aequantibus; fructus rostro elongato, pilis omnino adpressis obsito; carpellorum pilis albido-rufescentibus subpatulis parallelis, foveola subcirculari, sulco concentrico conspicuo? aristae gyris 12—14; foliis laete virentibus pubescentibus oblongis pinnatisectis. foliolis subsessilibus ovatis acutis, basi obliquis inciso-pinnatifidis, lobis baud coniugis inciso-dentatis integrisve lanceolato-linearibus acutissimis; stipulis ovato-lanceolatis amplius; caulibus diffusis elongatis ramosis, rarius subnullis. — Crescit in herbosis, ad vias Galloproviociae.
4. E. CYNEREUM Boiss. ft Heldr. Diagnos. plant. orient. nov. Vin. p. 118. + — Perenne. totum breviter et adpressissime cinereum: radicis aespitosae collo petiolis vetustis incrassato; caulibus caespite 2—3-plo longioribus. a medio ramosis foliosis; foliis radicalibus dense congestis petiolatis, ambitu oblongis bipinnatisectis, laciniis oblongo-linearibus acutis. caulinis sessilibus pinnatisectis. laciniis paucis; stipulis bracteis 6 scariosis minimis; pedunculis umbellatis 8—10-floris pedicellisque tenuissimis; flore 3—4-plo longioribus, tenuissime et patule glanduloso-hispidulis; sepalis oblongo-ellipticis brevissime mucronulatis nigro-vittatis, parce et brevissime hispido-viscidis membranaceo-marginatis; petalis roseis calyce duplo longioribus;

- carpellis adpresso albo-~~il~~losis. cauda longa adpresso et eglandulose hirta terminatis — Credit in dpcnis argillosis inter Ghelindost el Karagatch inter Egirdiret Koniali Lxcaomae
- 0 E TUBEROSUM Boiss I c f- Perenne, pube brevi patula eghndulosa magis minusve copiosa cinerouin, saepe glabnusculuin radice elongata dura in tubera solilana \cl plura incrassata; collo demum lignescente cnespitoso muliicauli caulibus folia pauum superantibus, a medio parce ramosis, foliig, radicilibus numerosis petiohtis dmhiu o^ato- \el oblongo - cordatis. subpatmatim hipinmiisectis. pailitionibus secus rhachidem huam doeurpnumbus lacinus brevissimis acuiis witpgns vel 3—4-fldis. fo- IIM caulinis bievius petiolaus shpulis bracteisque ovaiis scdno^is pedunculis umbel- latnn 5—6-lions pdiccllis flor longionhiis, fruciifens diilexis, sepalis oblongis nigro-ltmmtaus, sub apice c doiso mucronulatis, inius Lilians membranaceo-margi- nmw, petolis ovoto-cunenns rospis mferne intense purpuieo-maculatis, basi albo- eilialis. carpellis adprsse ruioscenti-lursutis cauda longa hirlula terminatis, ansli* mlus longissime lufescenti-bdrlnlis
- Tar *QL glabimsculum* folia vindia glabra vel parce hirtula, rami ut tola planiac pais superior glabn
- Tar. P *canescens* tola planta pilis brevibus patulis albis dense et raolliter cans Fonnae intermediac inter his vanelates occurrunt
- Crf scit in lapidosis et rupestnbas totius Arabiae petraeae, inter Suez et jugum Sinai- ticum in valle Wadi Useit in ascensu austrah jugi Tih copiose, in montibus deseili Aeg\iliaco-Aiabici
- 6 E HUSSOM Boiss 1 c 114 f — Perenne nudicibus lignosis elongat9 squamosis caulibus elongids ramosis petiolisque «ub lente bieussime lomentellis. folus vindibus carnosus utrinque paice et minuiissime pruinoso-lomentellis ovatis obiusiusculis indmsis vel obsolete subtnlobis, basi cordans vet iruncatis, margioe crenulato-cnspis, radicalibus longe, caulirm minonbus breviter petiolaiis, margine acutius cnspiusqup dentitulotis, htipuiis magnis inangulan-ovatis rufescenti-memhranaceis eras sis to- mentellis pedunculis tomentosus 4—6-flons, biacteis ovatis tomentosus erases rufo- membrianaceis, involucium sexlobuin sub flonbus simuluntibus pediceilis cahci aequilongjs, sepalis oblongis tomentosus, apice brevissime mucronatis, petalis ovdlo- cuneatis, calyce sesquilongionbus — Giescit ad rupes calcareas desortl Aegyptiaco- Arabici ad Wadi - Arabah et ad Gebol Achmas prope Kahiram
- 7 E PLAGIOMFLORUM Boiss & Heidi 1 c 119 f — Perenne vinde. totum pilis pa- pilldnbus nitidis conspersum viscidulum rhizomate squamn petiolanbus et stipulanbus \etustis vustito. caulibus fragilibus ascendentibus elongatis rainosis, foliit Unerls. ra- dicalibus longe pctiolatis ovoto-cordalis obsolete 3-lob is indmsisque, acutiaseule dentaus, suputis bracteisque oblongis acuminatis Yalde hispidis, albo-membranaceis pedunculis umbellatim 8—10-Oons, pediceilis longe hispidis, flore tnplo Jongion- bus, sepalis oblongis albis viridi-3—5-lineatis, ad costas longe pa pill oso-cilialis, mu- crone us dlmidw bievion termmalis petalis obovatis, bnsi subciliatis albis, 2 infono- ribus macula purpurea in quinque lineas ramulosas superne ezlensa insignitis, car- pellis parce et odpresse luriutis us quadruplo longion terminatis — Crescii in ru- pestnbus umbrosis et speluncis Isaunae. in via inter karamau et Erinenek ad desoensum montis Ghelipel propp Ennenok, alt cue 3000 ped
- 8 E TEXAMM Grmv, Gtn illustr II p 130 t 140 fit Bost Jouin VI 157. f—BieAne vel annum caulibus diffuse* cinereo-puberulis folns glabnusculis cordatis orenati* plerumque mlobaus, supeuoium lobis laterahbus bifldis, terminali 3—5-fido pedunculi* triQons, florum vernaliuin pelulis gurpleis sepala SCQI loso-indrgrtnata subulaio-mucronata dupio superantibus, &erotims apctalis pediceilis cal; cibusque pube appresse c&nescentibus eglandn Qnns, carpellis birsuus linean-clavntis. basi punyeimbus — In repubhea Texens>

6046. OEK\XICJI Hint

(DC Prodi I 639 - Wlprs Report I 447 II 819 V 379, Annal I 139)

1. G. MODESTUM Jord Grames recoltides au jard bot de Grenoble en 1849 pag 16.
no 8 — Pedunculis bittoris. mforJonbus folio brevienbus, p#dic«llis erectis ~~deumtu~~

patulis; sepalis breviter glanduloso-pilosis. dorso planiuscula cavato - tricoata anguie membratnaceo-marginalia anaiis, sub umbra adpresals; periclyatorum limbo parvo oblongo pnullum basi atenuato ungue suo haud inferne etalato brevior; fructua rostro scimpollicari; carpellis diuissus susponais pallide fascia glahris rugoso - costalis, rttis tenuibus, superioribus transversalibus parum dUianftbf ramuosis baud apico anastomosantibus, media obsolete areolatis, inferioribus subverticalibus; aemine cylindrico-ovato laevi; foliis laete virentibus crassiusculis circumscriptione ovaro-pentagonis temalis quinqueve, parvioribus lanceolatis vel ovato - pinnatifidis, lobis numerosis approximatis integris dentatisve oblongis mucronulatis; caule ramisque erectis parce breviterque glanduloso-hispidis. — Crescit in urabrosis rupiura caloarea. Galliae mediterraneae.

2. *G. GLABERBIMUM* Boiss. ft Helir. Diagn. plant, orient, no?. VIII. pag. 116. f — Perenne gluherrimum: rhizomate crasso colloque petiolis foliorum velustorum dense vesiato, folia caulesque erectos a medio dichotomos edentis; foliis anbitu orbiculatis, palmatis ultra medium 5—7-fidis, laciniis basi punctato-atenuatis obtusissimis 3—5-lobis, lobis rotundatis subtruncatisve breviter raucrohulatis, radicalibus longe, caulinis breviter petiolatis; stipulis breviter triangulari-lanceolatis rufo-membraceis; pedicellis demum divaricatis; sepalis sub lente minutissime et parce papillosis. saepe glaberrimis ovulis irinerviis obtusis mucronatis, apice ciliatis; petalis obovato-spathulatis purpureis, calyce plus duplo longioribus nil unguis ciliatis; filamentis purpureis glabris; valvulis glabris minutissime pruinosis, tola superiore transverae reticulato-nervosis. — Crescit in flssuris rupium moalis Gbcidagb Tauri Isaurici supra Alaya all. 5500—6000 ped.
3. *G. LASIOPUS* fioiss. 8c Ueldr. 1. c. 117. + — Perenne. lotura plis patulis densis brevibus tomentoso-hispidum griseo-virens tenerrimum: rhizomale orasso colloque vesligiis foliorum velustorum donso vestito; caulibus folia radicalia paulo superantibus, medium versus foliosis; dichotome 2—4-floris; foliis ambitu orbiculatis. palmatis usque ad ³A 5—6-fidis, laciniis basi cuneato-atenuatis obusissimis subaequaliter et rotundatis 3—4-lobis, radicalibus longe, caulinis breviter petiolatis; stipulis minutis triangularibus longe ciliatis; pedunculis llore 2—3-plo longioribus, cauli aequicrassis; sepalis hispidis trinerviis ovatis mucronulatis; petalis obovato-oblongis, calyce duplo longioribus, in unguein parce ciliaium sensim attenuatis; filamentis glabris; valvulis oblongo-linearibus puberulis, dorso transverse rugosis. — Crescit in flssuris rupium Lycaoniae inter ¹ helindost et Karagatch.
4. *Q** *CREKOPHILUM* Boiss. 1. c. f — Perenne, totum pilis patulis albis, aliis eglandulosis, aliis apice minute glanduliferis hispidum modo: radioe cylindrico-fasciculate; foliis ambitu orbiculatis. ultra medium palmatis 5-fidis, partitionibus cuque acutiuscule inciso-lobatis, radicalibus longissime petiolatis; caulibus procumbentibus ramosissimis; floribus pedunculo iis longiori foetidissimis. roscis; sepalis adpresse et glandulose hirauq pblongo-lancoolalis acutiusculis, mucrone longiusculo terminatis: petalis obovatis exungiculatis, basi utrinque dense albo-ciliatis; filamentis basi subdilatata ciliatis; valvulis laevibus glanduloso-hirsutis, cauda glanduloso-hirsuta suspensis; seminibus ovatis secus lineas longitudinales dense favosis. — Crescit secus fontem et rivum & pniété septentrional! rupium ponagum Eden libuni sjtomm oriundum.
5. *G. SIMENSE* Hochst. mss. ex A. Rich. Tent. U. Abyss. 1.116. — Caule Jierhaceo diffuse rmoso prostrato piloso; foliis petiolatis, digiti 5-partitis, parvis subrhomboidibus, mediae inferioris integris. superiore acutis, inciso-dentatis pilosis; stipulis oiaignis sessilibus membranaceis ovalibus acutis glabriusculis. margine totum ciliatis; pedunculis axillaribus setosis, apice bifidis bifloris; floribus mediocribus ¹uli in ¹. *columbino*); sepalis ovali-oblongis setosis. apice eziorsum longiuscule apicalis; Petalis obovatis. apice integris; carpellis laevibus setosis. — *G. frigidum* Hochst. mas. — Crescit inter Meinessb et Adoua et in convalle. fluvii Mareb in Abyssinia.
6. *G. LATISTIPULIATUM* Hochstett. mss. ex A. Uch. 1. c. 117. — Caule rainoso diffuso Prostrato bipedali et ultra, ramis serialis pilosis; foliis petiolatis, profunde digitato-⁵-partitis, paxillioibus pinnatifido-incisis, lobulis unguis acutis pilosis; stipulis

- magnis membranaceis sessilibus ovalibus obtusis; pedunculis setosis, apice bifidis bifloris; sepalis ovalimanceolatis setosis, apice acutis; petalis obovalibus integris; carpellis laevibus setosis. — Crescit in pratis montanis prope Entchekab et in monte Bouabit provinciae Abyssiniae Semiène.
7. G. FAVOSUM Hochatett. mss. ex A. Rich. I. c. — Annuum: caule erecto pedali parce ramoso striato glabriusculo; foliis longe petiolatis (petiolo gracili puberulis), profunde 5-partitis, lobis subcuneatis incisis, pilis quibusdam conspersis; stipulis lanceolatis acutissimis; pedunculis setoso-glandulosis bifloris; floribus pedicellatis; sepalis ovali-oblongis setosis, sub apice apiculatis; petalis obovalibus integris intense violaceis; carpellis glabris rugoso-favosis. — Crescit frequens in Abyssinia in provinces Ouodgerate fit Tigre.
- t*. G. CAESPITOSUM James in Long's Expedit. II. 3. — A. Gray, Plant. Fendler. 25. no. 89. + r Perenne humile: caulibus diffusis ramosis cum petiolis pedicellisque retrorsum pubescentibus; foliis parvulis rotundatis profunde 5-lobis (vel radicalibus 7-fidis) pubescentibus pallidis, segmentis cuneiformibus divaricatis inciso-lobatis; pedunculo praelongo, pedicellis binis, fructiferis declinatis quadruplo longiore; petalis obovatis integris purpurcis, intus secus nervos parce villosa-barbatis, sepalis cano-puberulis aristatis paulo longioribus; filamentis patentibus, basi pilosis calycem et stylos nudos, tertia parte connatis superantibus; carpellis pilosiusculis, rostro puberulo, — Crescit in Nova Mexico.
9. G. FREMONTII Torr. mss. ex A. Gray I. c. 26. no. 90. f — Perenne: caulibus diffusis petiolisque retrorsum pubescentibus; foliis pubescentibus, superioribus profunde 3—5-fidis basi truncatis intusve sinu lato cordatis, radicalibus septemfidis, segmentis trilobatis vel inciso-tridentatis mucronato-acutatis; pedicellis binis cum sepalis breviter aristatis glanduloso-pubescentibus, pedunculum abbreviatum 2—3-plo superantibus, fructiferis subdeclinatis; petalis obovatis emarginalis (pallide purpureis), basi villosis, ad venas parce villosa-barbatis; filamentis piloso-ciliatis stylos nudos ima parte solum connatis aequantibus; carpellis pilosis, rostro glanduloso-pubescente; seminibus tenuiter reticulatis. — Crescit in Nova Mexico.
10. G. GRACILE A. Gray I. c. 27. adnot. — Caule erecto divaricato-ramoso cum petiolis et pedicellis retrorsum pilosis; filamentis basi piloso-ciliatis calyce et stylis pilosis, ima parte solum connatis brevioribus; valvis capsulae pilosiusculis, rostro pubescente. — Simile *G. Mexicano* Knth.? — Crescit in Chihuahua.
11. G. PENTAGYNUM Engelm. mss. ex A. Gray I. c. 27. adnot. — Caule erecto cum petiolis retrorsum pubescente; pedicellis glanduloso-pubescentibus; filamentis basi pilosis calycem et stylos nudos ima parte solum connatis aequantibus; valvis capsulae pilosiusculis, rostro glanduloso-pubescente. — In Nova Mexico.

t Icon addenda.

- G. THUNBERGII Siebold. (ubi??) — Paxton & Lindl. Flow. gard. I. 186. fig. 115. (absq. diagnosi).

6047. MOHTSOHTCA *Linn. fit.*

(DC. Prodr. I. 608. — Wlprs. Repert. I. 451, Annal. I. 141.)

1. M. HISPIDA Boiss. Diagnos. plant. orient. nov. VIII. p. 120. f — Perennis, basi suffrutescens tota virescenti-grisea, pilis patulis longis albis hispidissima: caulibus elongatis sulcato-striatis ramosis; foliis ovatis obtusis, basi rotundaio-truncatis. margine crispulo denticulatis, superne secus nervos lineatis, subtus elevato-nervosis pedunculis etiam inferioribus longissimis, folia superiora multo superantibus 6—8" floris; pedicellis inaequalibus tenuissimis, brevius et adpressius birsutis; floribus pappiformis; sepalis adpresso-caninis obovatis mucronatis; petalis : carpellis adpresso-vis et parce hirtis, cauda longissima terminatis, aristis intus longissime albo-bad*
 Z VHS i^d rupes ^aw'icas Gebel Gareb et Gebel Dara deserti Thebaico - Arabia.
 ». M. ANGUSTIFOLIA E. Meyer mss. ex A. Rich. Tent. fl. Abyssin. I. 115. - Caulis herbaceo erecto parce ramoso spithamaeo. puberulo-villosus; foliis lanceolatis angustis

remote serratis, apice obtusisvmarginatis et in emarginatura apiculatis, subpubentibus; stipulis linearibus subulatis ciliatis; pedunculo axillari unifloro, apice bibracteato; flore pedicellato; calycis villosi sepalis oblongis obtusis apiculatis; petalis vix calyce longioribus; carpellis hirtis. — Crescit prope Guendepa in Abyssiniae provincia Tigrid.

6048. PELARGONIUM *Writ.*

(DC. Prodr. I. 649. - jvipsr. Report. I. 451. II. 820; V. 380, Annal. I. 141.)

1. P. GLECHOMOIDES A. Rich. Te9t. fl. Abyssin. I. 118. — Caule herbaceo. a basi ramoso spithamaeo piloso; foliis petiolatis suborbiculari-reniformibus, basi flosso-cordatis pilosiusculis, margine obsolete et obtuse lobalis dentatis, dentibus obtusiusculis; stipulis ovalibus acutissime acuminatis pubentibus ciliatis; pedunculo communi foliis longiori; sertulis 4—6-floris; sepalis lanceolatis aculis inaequalibus; petalis oblongo-spartulatis angustis obtusis; staminibus fertilibus 5, arcuatis; carpellis villosopilosis. — Crescit in Abyssiniae provincia Choa.
2. P. QUINQUELOBATUM Hochstett. mss. ex A. Rich.* I. c. — Radice crassa perpedicu(ari); caulibus a basi ramosis, vix pedali* pilosis; foliis longe petiolatis palmato-5-partitis, lobis inaequalibus angustis integris aut grosse et parce dentatis, pubentibus; pedunculo communi elongato foliis longiori; stipulis lanceolatis acutis; floribus 5—8 pedicellatis sertulatis; bracteolis linearibus ciliatis; sepalis inaequalibus lanceolatis acutis pubentibus ciliatisque; carpellorum rostro pyramidalis unciali pubenti. — Crescit prope Gadia ad rupes in Abyssiniae provincia Tigre'.
3. P. MULTIBRACTEATUM Hochstett. mss. ex A. Rich. I. c. 119. — Caule basi suffrutescente ramoso sfcsequipedali; ramis teretibus pubentibus; foliis petiolatis, usque ad mediam partem palmato-5-fidis pubenti-pilosis, lobis inaequalibus subcuneatis, inciso-dentatis; stipulis latissimis orbiculari-acuminatis, basi subcordatis piloso-ciliatis; pedunculo communi longissimo; sertulo 6—10-floro; bracteis lanceolato-linearibus acutissimis pilosis; petalis obovalibus obtusis, basi attenuatis. — Crescit in Abyssinia inter Adoua et Ocbasa et in convalle fluvii Taccaze* et in ripis rivulorum plaaliei provinciae Ghire¹ et prope Axoum.

Ordo XLVIII. TROPAEOLBAE *ju\$.*

(DC. Prodr. I. 683. — Wlprs. Revert. I. 465. II. 820. V. 381, Annal. I. 142.)

6063. TROPAEOLIUM *Linn.*

(DC. Prodr. I. 683. — Wlprs. Revert. I. 465. II. 820. V. 381, Annal. I. 142.)

- ' TR. LOBBIANUM Hook. - Wlprs. Revert. V. 382. no. 6.

P. *Hockii* A. Dietr. Allgem. Gartenztng. XYni. 578. f. C''⁸ »candente glabro; foliis petiolatis peltatis orbicularibus obscure lobatis, supra glabris laete viridibus. subtus petiolisque pubescentibus, lobo intermedio mucronulato; nervis axillaribus «obtariis; pedunculis teretibus pubescentibus; calyce villosulo calcarato luteo, laciniis lanceolatis erectis, calcar descendente; petalis calycem superantibus, omnibus spatulatis luteis, apice crenatis, in medio maculatis, duobus superioribus majoribus «unguiculatis, basi sensim attenuatis, tribus inferioribus minoribus angustioribus unguiculatis, basi umbriatis. — In Columbia.

- <> TR. PENDULUM Klotzsch in Otto ft Dietr. Allgem. Grtnztng. XVIII. 377. f — Ramis teretibus subnitidis, laete viridibus scandentibus; foliis peltatis exstipulaceis glabris, subtus glaucis, supra saturate-viridibus, basi rotundato-truncatis. levissime quinque-lobis, lobis brevis-acutis, medio mucronato; floribus axillaribus solitariis luteis pendu*

lift, cañce quinquepartito luteo, lobis oblongis. gersus apicem subattenuati*. tñbus superioribus recurvis, binis inferioribus suberectis cum superiore medio apice virescentibus, calcare recto apice virescente, petalis luteis spatulatis, margine superiore crenato, tñbus inferioribus longe unguiculatis* unicolibus, duobus <superioribus unguiculatis apice recurvis lineis rubris parallelis versusque marginem macula transversa sordide violacea instructis, filamentis flavescentibus, antheris vix cinereis ante anthesin paulo rubescens, stilo flavo truncato — Habitat in America centrali

- 9 TR FINTELMI Wiegner mss ex Schlecht in Otto et Dietrich Allgem Gartenztg XVIII 105 f — Gracile glabrum scandens folis longis petiolatis peltatis reniformibus, obsolete quinquelobis mucronulatis, infra glaucescentibus. flonibus pendulis, calycis lobis ovatis, basi subattenuatis, petalis ciliatis longioribus angustissime unguiculatis margine superiore capillareo-dentatis — Petioli 4-pollicares, folia l'Apollonica, 3—4 poll lata, pedunculi bipollicares florum pollicanum calcar 8 lin longum — Habitat in Columbia (in America centrali)
- 4 TR DECKERI Montz et Karst Auswahl neuer und schón blühender Gewächse Venezuela's 38 — Van Houtte. Flore des serres V tab 490 — Pax et Lindl Flowgard. I 29 fig 16 — Ramis subcompressis pubescentibus scandentibus, locis humidis radicantibus, folis petiolatis, petiolo piloso, peltatis exstipulatis triangularibus lobis 5—7-lobis, basi transversim truncatis. pedunculis longioribus spiraliter tortis; calyce vix pubescente. calcare recto longiore laete purpureo. apicem versus virescente petalis caeruleis inaequalibus dentatis, longe filiformibus ciliatis, ciliis calycem superantibus filamentis antherisque caeruleis, stilo flavo, coccis dorso truncato-tuberculatis embrione cum cotyledonibus crassis liberisque basi cohaerentibus, radiculam brevem condensentibus — Crescit in Caracas prope colomam Tovar
- 5 TR WIGNERIANUM Karsten in Otto & Dietrich Allgem Gartenztg XVII 306 f — Van Houtte. Flore des serres VI 47 tab 553 — Neue Allgem Deutsch Grtn ft Blauentztg VI 288 (c) — Eluberosum glabrum caule debili radicante scandente, folis peltatis oblongo-triangularibus subobliquis hastatis. basi truncatis, apice acumatis, nitidis, supra saturate, subtus pallide viridibus. flonibus in apice ramorum axillaribus solitariis pendulis pedicellis tenuissimis circumscissis bipollicanibus, calycis calice tubuloso recto, saturate roseo. pollicem ad sesquipollicem longo, lacinus laete viridibus obtusis, petalis cuneiformibus, saturate violaceis, versus apicem septemdentatis, dentibus selosis calycis lacinus paulo longioribus, staminibus octo, aequantibus, filamentis violaceis antheris caeruleis — Crescit in Venezuela
- 6 TR BLUTHI Klotzsch in Otto & Dietrich Allgem Gartenztg XVIII 161. f — Tuberosum caule filiformi glabro volubili, folis profunde peltatisectis, suborbiculatis, supra laete, subtus pallide viridibus, foliolis 5—6 digitalis obovatis, antico majore apice retuso - apiculato pedunculis tortis, filiformibus, folio duplo longioribus, calycis segmentis ellipticis opiculatis, calcar rectum aequantibus, germine depresso rugoso glabro — In Bolivia
- 7 *TR BRACHYCERAS Hook et Arn. — WJprs Repert I 465 no 3. ft V 382. — Van Houtte, Flore des serres IV tab 368. 369. — 7V. *tenellum* G. Don — WJprs. Repert I 465 no 4 — *Tr minimum* Miers mss — *Ti chilense* Bert Hb

f Icones addendae*

TR TRICOLORUM Sweet. — Van Houtte, Flore des serres IV tab. 368. 369

TR. SMITHII DC Prodr. I. 684 — Hook Bol Magaz tab 4385. — Van Houtte L. c. I? lab 368 3b9

TR TUBEROSUM Rz et Pav. — Van Houtte l. c. IV tab 452

TR UMBELLATUM Hook — Morren. Ann de la soc. d'agncult de Gand IV 53 t I?⁸

Ordo XLIX. LIMNANTHEAE u. *Br.*

(Wlprs. Repert. I. 467.)

6066. LIMNANTHEAE R. *Br.*

(Wlprs. Report. I. 467.)

1. *L. ALBA* Hartw. mss. ex Dnili. Pl. Hartw. 301. no. 1677. — Foliis laxe pilosw, aegmentis oblongo-lanceolatis linearibusve; sepalis ovato-lanceolatis, pilis albis longis lanatis. — Ilpbius et folia *L. Douglasii*: haec vero, praesertim superiora pilis longis laxis albis cilia. Flores quom in *L. Douglasii* paulo majorea videoiar. aepala laiora acuminata, pilis onusta iis fohorum similibus, sed densis in lanam laxam mtertextlis, m calyce fructifero 6 lin. longa, 3 lin. laia. Petal a cum staminibus diatinCte perigyna, uagnitudinu eorum *L. Douglatii*, sed unicolora (alba) paulo laiora et viz emarginaia. Stamina *L. Douglasii* quinque sepalis opposita pariler extus basi glanduligera. Styli apice ad quartam partem longitudinn aoluti, per anihesin tamen ad apicem subcobacronius. GarpeUa rugosa, mature tamen Igoota. Uaec speciea com *L. rose** eerie valde affinis eat *L. Douglasii*, an jiro merae tarielates lud><ndae, obaervationes ulleriores dcinonsrabunt. — Crescit in locis humidis vallis Saoramento Californiae.
- I. *L. ROSE* V Hartw. mss. ex Bnlh. 1. c. 302. no. 1678. — Lindl. Journ. of the hort. aoc. IV. 78. (c. ic), Van Hoult«, Flore des serres V. p. 431b c. IC. xylogr. — Glabra: foliorum segmentis anguste linearibus'; sepalis lanceolatis corolla dimidio brevioribus. •— *A L. Douglasii* differt caulibus brevibus numerosis, foliorum segmentis multo angustioribus, pedicellis ratione plantao longioribus et corolla pallide rosea. Haec etiam paulo major videtur, peialis latia levier eraarginatis. GeaiUilia omnino *L. Douglasii*.— Crescit in valle superior! Sacramento Californiae.

Ordo L. BALSAMINEAE A. *Rich.*

(DC. Prodr. I. 635. - Wlprs. Repert. I. 467. II. 821. Y. 382. Anoal. I. 143.)

6060. UDP ATTESTS *Linn.*

(Wlprs. Repert. I, 467. II. 881. V.3W. Annal. I. 143. - *lutptiens el Balsamina* UQ. Pro dr. I. 685. 687.)

- *. 1. *CADCASICA* Steven. Adnot. bot. pag. 13. f & Ann. des scienc. natur. (Ser. 8.) XII. 3*4. *. Pedunculis pauciflorla folio brevioribus subreeUs; ealcare apice recurvo; foliis ovatis subintegerrimis. — *A l. noli tmgere* L. rix satis differre videtr. — Crescit in •ubalpinis Caucasi.
- *. I. *TINCTORIA* A. Rich. Tent. tt. Abyss. I. 120. + — Radce tuberosa, tuberculis oblongo-pyriformibus, basi lon^e atlenuaiis nlbidw; eaule erecto carnoso rubro ramoso glabro; foliis altornis oblongo-lanceolatis/aoutlssimis, basi sensim angustatis, margine argute serraiis. superne viridibus« riervis purpurascensibus, subtus pallidioribus flabris; pedunculo elongaio. apice 1—4-floro; Doribus albis mnximis; sepalis lateralibus externis ovali-subrotundis apiculatis, supremo concavo, apicuUto, sepali inferfoiis calce»re graoili 2—3-unclali; petalis inferloribus maximis. subspathulatis, margioe un-

- dulatis; capsula oblonga clavaeformi, apice apicuiata, glabra. — Nomen vernaculum *Enssesella*. — Crescit in Abyssiniae provincia Tigre' circa Kouaietha.
3. I. MICRANTHA Hochst. mss. ex A. Rich. 1. c. 121. — Radice fibrosa; caule erecto subsimplici; foliis alternis petiolatis ovali-ellipticis acuminatis, basi sensim attenuatis. membranaceis, margine deniato-serratis, sesquiunciam longis, 6—8 lineas latis, dentibus in setam rubram desinentibus, facie inferiori setis conspersis; floribus mediocrius axillaribus pedunculatis solitariis aut binis; sepalis angustis lanceolatis, calcare gracili longo. — Crescit in praeruptis humidis inter Entchetkab et Choadā et in monte Bouahit provinciā Semiene in Abyssinia.
4. I. PULCHERRIMA Dalzell in Hook. Kew gard. misc. II. 37. — Caule erecto herbaceo glabro simplici vel ramoso; foliis alternis longiuscule petiolatis ovatis acuminatis erenato-serratis. serraturis setigeris. supra hispidulo-scabridis, subtus glaucis glaberrimis, petiolis apicem versus glanduloso-setigeris; pedicellis axillaribus binis v. ternis unifloris folio dimidio brevioribus; sepalis lateralibus minutis subulatis, posteriore amplo orbiculari, apice bifido, dorso medio aculeato-cuspidato, anteriore cucullato mucronato. *basi in calcar filiforme pedicello longius contracto; petalis fere ad basin divisis, segmentis cuneato-obovatis, apice bilobis, segmento anteriore ampliore; fructu medio puberulo demum glabrato ovato-oblongo obtusissime rostrato 12—14-spermo; pedicellis fructiferis erectis apice cernuis. — Folia cum petiolo 6—7-pollinaria, 2¹/₂, poll. lata. — Habitat in Indian orientalis districtu Concano australi.

f *Leonet addendae**

- I. REPENS Moon. — (Wlprs. Repert. I. 469. no. 19.) — Hook. Bot. Magaz. tab. 4404. - Van Houlte, Flore des serres IV. tab. 403.

Ordo LI. OXALIDEAE DC.

(DC. Prodr. I. 690. — Wlprs. Repert. I. 476. II. 821. V. 383. Annal. I. 147.)

6058. OXALIS Linn.

(DC. Prodr. I. 690. - Wlprs. Repert. I. 476. II. 821. V. 383, Annal. I. 147.)

1. Foliis trifoliolatis.

1. O. RADICOSA A. Rich. Tent. II. Abyssin. I. 123. — Radice perpendiculari fusiformi. extus nigroscante. saepius simplici, crassiusculo; caule a basi ramoso, ramis saepius erectis hirtis; foliolis late obcordatis, lobis obtusis rotundatis, subtus glaucis pilosisque; floribus sertulatis pallide luteis majusculis; pedunculo communi foliis longiori; petalis oblongis subspathalatis obtusis; staminibus longioribus stylos superantibus; capsula pyramidata acuta pubente. — Crescit in Abyssiniae provinciā Ouodgerate. — Affinis O. *corniculatae* L.
2. O. PROCUMBENS Steudel mss. ex A. Rich. 1. c. — Caule procumbente ramoso radicante pilosiusculo; foliolis obcordatis sessilibus, latioribus quam longis, apice fissilobis, lobis obtusis, subtus pilosiusculis¹; pedunculis axillaribus unifloris folio brevioribus solitariis; flore parvulo pallide luteolo; petalis obovatis integris; capsula brevissima subpyramidata, longe acuminata, loculis 2—3-spermis. — Affinis O. *corniculatae* L. — Crescit in Abyssiniae provinciā Ouodgerate et in agris prope Entchetkab, in monte fiouahit provinciā Semiene.
3. O. OBLIQUIFOLIA Steudel mss. ex A. Rich. 1. c. — Glabra: caudice tuberoso. tuberculis superpositis 1—2 ovoideis aut oblongis, pisiformibus castaneis fibrillosis; caule subullo; foliis radicalibus petiolatis, petiolo vix pilosiusculo, foliolis sessilibus gta*-

cis subcuneiformi - niangulanbus, aftgulis supci lonbus obtusis; peduneulo radica h
sacpius foliis longion unifloro flore magno petalis obovalibus obtusis spathulatia,
paite supenore pmpuiascentibus, inferior? luteis styhs stamina longiora superantibus.
— Grescit in Abyssinia in convalle Adouiensi et in provincia Ouodgerate

- 4 0 ANTIIFLMINTIICA A Rich 1. c 124 — Caudice tubert>so, tuberculo ovoideo
bulbiformi lumcaio, apice icuto crassiiie cdblmtac minous, caule subterraneo simp-
plici clongato folns ex apice caulis ortis et inde quasi subradicalibus longe petiolatis,
petiolis pilots foliolis sessilibus obovalibus magnis ciliatis, scapo foliis longion denso
pilobO multifloro ilonbus 2—7, pedicellatis, magntudme intermedus, purpurascen-
nbus pedicellis dense pilosis sepalis apice acutis, subglanduloso-luberculosis, starai-
num filamentis pilosis shlis stamimbus multo brevionbus — Nomina vernacula
Mitchamitcho, *llabbe Tschokko*, *llabba Dschoggo*, *Medjamedjo* — Crescit in Abyssimae
sepibus propc Tche'latchekanne' in convalle fluvn Taccaze*.

- *> 0 REGNELLII Miqu Lmnaea XXII 545 f — Bulbo composito squamoso petiolis
clongaiis sparse, ad apicem confertius hirtellis, foliolis sessilibus triangulanbus, apice
truncato leviier emarginaiis, angnhs obtusis, basi subacutis, membranaceis epunctatis
praescuim supra raaiginibus pilosulis, peduneulo petiolos superantibus simplicity
umbellaiis uinbellis 4—5-fions. sepalis lineari-lanceolalis glabris, apice aoulo bima-
culatis et pilosis, filamentis pilosis, stigmaie capitato — Ab 0 urlnca Si Hil umbelln
simplicibus statim dilTeit — Crescit in Brasiliae provincia Mmas Geioes

II Folns pinnatis (Biophytum DC. Prodr I. 689)

- 6 0. (BIOPHYTUM) ABYSSINICA Steudel *mas. ei* A. Rich Tent fl Abyssinic I 122 —
Gaule elongato gracih simplici, apice tantum fohoso, folns congeslis pinnalis. foliolis
oblongis subsessilibus, utnnque obtusissimis, inaequalibus membranaccis, petiolo com-
muru piloso, pedunculis capillanbu^pilosiusculis, apice 1—4-fions, flonbus parvulis
pedicellatis, capsula obovoidea apion<ita subpubente. — Grescit in sepibus provincial
Abyssimcae Chirp

+ leones addendae*

0. ELEGANS H B Knth — (DC Prodr I 695 — WIprs. Reperi I 482 no 64) -
Hook Bou Magaz t. 4490 — Paxt Magaz of bot XVI. p 257 c IC

6059. AVKHttHOA *linn.*

(DC Prodr I 689 — WIprs Repert 1.492)

- ¹ A SINICA Hance, PI nov Auslr Chin diagn inedit p 9 - Arboroscens glabeinma
foliis Impanpinnatis 4—7-jugn, foliolis brevipetiolatis ovatis obtuse falcfilo * acumi-
"QHs glnberrimis. rncetnis axillanbus et teimnalibus flonbus albidis suaveolentibus.
calvcibus fubellis glabernmis, petahs oblongis, stamimbus 10. omnibus fertUibus, al-
t d d paulo bievionbus, stylis 5 — Ins Hongkong Sinensium

Ordo LII. ZT60PHTLLEAE *n n*,

DC Piodr I 703 - Wlprs, Repm I 493 II 822 V 385 Annul I 149)

Tnbus I *TRIBULEAE* Endl Gen p] p. 1162

6030A * *TRIBULOPIS li h*>

(II Br in Sluit Lxpedil Centr Austnl II App 70)

Cal>\ 5-partitus ciccicluis Ptlala 5 Stamina dtcem (nunc 5) Fil i-
menta quinqe sepilis opposita basi glandula stipata Ovana 5, mono
sperma Cocci, pi ICICI tubucula 2 v 4 baseos, lacves — Hnlm
innuyc postiatat fohis omnibus alternis!

- 1 TR SOLANDRI II Ri 1 r — I olms bi — tujugis foliolis subo[^]tis inacquilatens
roccis basi quadulubciuil U> — In ora ortenlah inrali o\ |i Iso\ae Ilollaiuhac pi opt
Pndcavoui RI\CI
- 2 TR WGISTIFOLIA R lit 1 c — Folii*. 3—4|ugi<> mo bijugis) foliolis lincanbus
tubcreulis bastos coccoiuni ibbie\iiti>> — Ad fundum sinus Carpentaria© m \o\n
llollandn
-) TR PFNTAMMU R Bi 1 c — Folns bij[^]is, foliolis oblongo - lanccolatis pin
superiort duplo nnjore floubus peniandns'pcttlis hnccolatis — In insulin iuxli
lundum sinus Carpentariae in ^ova Hollandia

6030 TBIBULVS *Tournef*

(DC Prod I 703 — Wlprs Repeit I 493 II 822 V 385, Annal I 149)

8 1 *Inetmcs taipella spinis ahsque destituta*

- 1 TR INERMIS Kralik, Vm des j.cicnc natur (Sei 3) XI 25 f — Flonbus penian-
flns sigmaium fasciculo bre\i conico stvlo stigmato duplo longiore carpellis inermibus
rxalatis dorso tms,ei&c gianuhio-iugulosis — Croscit in proMncia Arabica-Hedjaz

[^] 2 *\imati carpella spinis munita*

- I TR BISPIMI OSIs Ki ilik 1 cit Zb — Flonbus pentandns stigmatum fasciculo bieM
tonico bhlo qmni siigmai duplo longiore carpellis transverse granulaUMtigulos!
dorso innmibiiN basi I ispinosis — 7i *binaicus* Boiss Dngn pi. orient VIII 120 —
(roscit in pio\inn i Vnbiti lkdjaz — A li *inenni* nonmsi carpellis basi bispinulo-
sis floubiibquc nni\ honbua diftit In ulioque cirpella dnnulio ininora quam se-
quentium omniuin (ii)\(lloiuni fonm 7/ *Inmucumatu* |i\ (Plant aeg decad P⁹
Icon t 2 1 4) ifilms \iddiii sul poldoium turn dniplitudine, turn longiludine Hem-
quo stignntibus s>h>> di> it pit in *It bunuuonat*) cmni ptlala caljce breviora e'
stigmaia sossiln nfiuntui
- 3 TR BIMICROWTI) |i\ — (\Mpis Repeil I 493 no 2) — Kralik 1 c 27. f -
Pilis bieissimis cincsciiis aln[^]que longionbus luiius foliis* 6—7 -jugis, rhachide
duplo petiolum longiludine pxcedtulo foliolu, oblique *OMIS* pctalis linean-oblongt>
calyce paulo breMonbus stigmiiibiu sis&ililus fiuctibus ovato-orbiculatis carpello-
mm dorso ineimi fovtol[^] tenculatum exewato margine ad basin ulunque mucronato
— Tre *en* pro\ f hilm ini

fit INTLRMBDIUS Kralik 1 cit 27 f — Flonbus pniandris. stigmatum fuacicutu puamidnto elongato sulo sugmate breuorc, carpellis transverse granulnto tuberculatis, dorso bispmosis *pms diametro cnipeh brmionbus, basi (spmarum loco) tubuculis duobus aculis pronnontibus — fiescit in Arobio lohci — Differt a *Tr tet-irstu* floiibus pniandns, siigmatuin Inscitulo longius shloto, spinis farpellorum dorsnlibus breioubus, spinuli^ nifeiionbus \ix prommentibus, petalis calyce majonbus, (trpellis dorso granulato-iugulo&is. nee, ui in *Ti leircstn* tuberculato-aculealis erf Maii>vp

1R TLRLSTRIS L — (VUprs Rppit I 493 no 1 a II 8» no 2) — Ktahk 1 i 28 — *Manta* modo hiisuiissima incana, modo glabernma flonbus decandns, peialis ohloigis, caljeuu \ix aiquautibus, saepius ipso lueMOibus siigmatum fasciculo pjramiddto stjlum subnullum 3—4plo suporante, carpellis depreASis 4-spmosis, dorso nunc lubercu\jto-Dculcnns. nunc eliam aculealo-nsiatis, gl&hns birtisve, 3—4-loculaiibus, oculis commissuiao feie perpendicularibus. — Crescit pei lotius orbis iete< H9 regiones temperatas el usque ad Cuput Bonae Spei el in msulis archipelagi Indict. TU SI'URIUS Kiulik I cit 28 f — Flonbus decandns. petalis amphs o\aiis. basi cuncaiis, siigmLibu< si\lo full is shlo stigmatum longitudine, carptllis pilis dense mcanis, dorso grariulato-iugOMs, 5pms quatuor munilis — Crescit in Arabia felici TR LANATUS R Br in Siuii Cxped Centr. Auslr II App 69 — Folu> 8—iO-jugis. frutnbus undique teciis spinis subulatis longitudine inacquahbus majonbus sparais longnudmni cocci superntibus — Ueiba diffuse sericeo-iucana Folium mujus cujus-quu pans 8-w-10-jugum, foliolis ovaus. Flores nwgni. Caljx aesiivauonc levior imbriciti Pciala caljcc duplo longiora Stamina decera, anlhons lincnbus — In No>a Uollandia centrah

§. 3. *Mali*, carp ell a ahs mstrucia

- 4 TR ALATLS Del — Kralik 1 c p§ 29. — Mne vanai planta liaec quoad staminum feicpelloiunique numciuin aliiuu nngnimdinem et *foimnm* Floics emm 5~6— 8—10-mdros videre IKUII sngaci^simamque Fotvkalu obsciuaonem itPiac „Si stamina in aliquo nore adeianl ultra 5, coiurn vice dtfliciobat unum alteruime es petalis" laipUiorum alac nunc a medio dorso decurrentes nianguaios, nunc a summo dorso. •unique sjt'pius jnteiruptao dentatae, nunc minime deem rentes, sed ala apice ba&iq>B •loisi recuugic procurrentes

<x *nucioplais* flonbus 5—8-andns, siigmatum fasciculo breM. shlo stigmata ^—3longo, caipdlit, mmonbub quam p. ei y , carpelloium alis inlegiis larius dentatis, a medio dorso tr angnian - decurrentibus — Tor^an specios propna — tiescit >n proMncia Aiabica Iledjaz

P- *odontoiitats* flonbus 5—10-andiis, stjlo sdgmatum longiludino caipelloium \lis a summo dorfo decurrentibus, dentatis \el micnuplo bi-tnangulanbus, fructus niagnitudine sequentis, paulo majoiu quam pracedemi* — Ti. l<myipetalu& et alatuu ^v. — Crescil in Arg\pto el Aiabia,

Y* *acantioptoiis* flonbus 10-ndns. stjlo si/gmatum longitudine, carpellorum *ks ab apice liasique carpellorum rectangule prociurentibus, 2—3-spino»is. spinis •liametrum alae longitudine aequantibus — Crescit in Nubia inferior**

- M TR MACROPTERUS Doiss - (Wlprs Repert II. 822 no 1) — Kralik 1 en pag 30 — Flonbus decandns, siigmatum fasciculo tenui elongate stjlo siigmatibus broioic, carpellis meimibus, lota longuuline lialam. alts bwi interruptis, semicirculan-trapezoidois, caipeltorum diametrum ux oxfordontibus — In descriis PersiaC

- 101 TR PERSICIS Kiahk 1 cit pag 31 f — Flonbus decandns, eiigmatum fasciculo ^nico brci stjlo stigmaubus longiorc, carpellis inermibus, dor»o tota longiitudine bi- *latis, ahs basi inierruplis, semicircular! - trapezoideis, cBrcpcllorum diametrum \ix ex^dentibus — Ciescit in Persia

- 11 TR MEGISTOPTERUS Kralik 1 o>t pag 32 + — Tlonbus decandns stigmatura fa»-ir>»lo M^lmn duplmn tiippnnn^4 cnpelh^ bilorulnribus *ks mnximis instructis Mis

carpella dupla acquantibus, undulate dentatis, basi non inionupu* — Ciescit in pio-
Mncia Arabica Iledjaz

6031 K. IXL, STROMA Scop.

(Wlpis Repeit I 493)

- 1 K MINUR Hook fil ^ger Flora p 269 — Subsoncco - pilo^a pubescens\c foliolis
tniugis oblique o\ nlo-oblongis oblongis A el mucronulutis pedicellis petiolo hioivion-
Lus floubus pmvis COCCIS dorso muncatis umlocularibus monospeimis — *Inbulu*
dubescens G Don.— Wlprs Repeil I 493 no 4 — *Alnhulo cistoidi* diRtiI capsula
docmcocca, a *K maxima* slatua foliolisque paucijugis — Lrescit m JSig-nim

Tnbus U. ZYGOPHYLLEAE Endl 1 c. p. 1163.

6034. FAGOTIA *loiunef*

(DC Piodi I. 704 — Wlpr* Repoit I 498 II 823 V 385)

1. J- URA>DIFLORA Boiss Diagnos plant orient nov Mil pag 121 f-^Glabia caulibu-
sufftutescenlibus caespitosis intricate, ramit eitctis profunde quadnsulcatis spims
quaternis valid is teretibus viridibus, apice flavido-acerosis, folia aequaniibus supcran-
tibu&vc, foljii tnfoliolalis, foliolis caino»]s ovatis \el oiato-oblongi* obtuMs uaucio-
nulaiis hitialibus paulo angusiionbus subaequilongis petiolo foliolis paulo bievioii
pedictllo cahci subaequilongo. flonbus magnis, sepalis ovato- oblongis. longe aite-
nuao-atuminatis prtalis roseib col see triplo longionhus, tapsula pedi cello recurvo
nequilongi pendula glanduloso-hutella lolunda 5-carpellan, ad costas acult cannata
stylo mucronitd — Ciescit in decli\ibus calidis Palatstinae cnca Si Saba
- 1 F riJLBAICA *lloias* 1 c f — Basi suffTiuiicosn, dense dumulosa glabnuscule Mridis
lamis eiectis ramosis sulcaus, articulis bievisisimis spims Z—4-nis peiolos acquan-
tibus supcrantibusve cylinducis teretibus undibus callo albo in mucronem atienatuo
torminatis, suponoubus brevisisimis, foltispaims, inftnonbus tnfoliolatis, peiolo icieii
aequilongis, supra cum breviter stipilatis camosia subaequahbus tereti-subcomplanaii!>
oblongo-cylmdrios obtusisimis, callo albo breussime mucronulato tenninatis folu»
supenonbus ad poiolum bitvem spims aequiJongum usque similem, std muuicum
feduclib ianus et in ^pecimimbus jumonbuet umloliolali^, foliolo linean-lanccolalo
flonbus mediocnbus puipuieis, sepalis subpapillobo ovato-oblongio acuminis, corolla
dimidio brevionbub. capsula tomeniella pcdiitllo defle\o extremitate mcrasoalo aequi-
longa depresso- turbinata, stylo bubaequilongo ojuclata carptilis quinque dorso ob-
tuse cannalis — Crescit in arenosi* partis infcioris vallis Hiban et Molouk pi ope
Tbcas in Aegypto supcrion
- 3 T KAMIRINA Boiss 1 c 122 f— Suffirute&ccns vindis paice et brevisime viscidula
rainis quadiangulis secus pianum bonzontalem dicboiome ramosissunis, aiticulio bre-
\jbij>, spinis binis quatermsve brevisisimis patent)-subrecurvis, peuolos aequantibus
supcianlibusve. folus minimis tnfoliolatis, petiolo foliolit aequiloogo suffultis, foliol³
oblongis, utnnque arutis lnucronalis, intermedio fere duplo majon, folus suminis sub-
^es^libub minuti^simis saepe od folio urn unicum reductis flonbus ad dichotomies et
ipicem ramorum summorum pedicello calyce longiore suffullis amoene et intense
loseib, sepalis oblongis acummatis tomentellis coiolla qumtuplo brevionbus, petali*
longe unguiculalib, unguibus subexsertis, capsulis pedicello detlexo us saepius brevion
fcuTuUis, deprease tuibmatis tomeinellib, sljlo us paulo brc\ion apiculatis, oarpell³
obtuse carmatis — *F Ci elica* Delile — i. *glutmosa* Schimp. — Crescit in deserus
ad onenieoi K^hirae sm» in vallecule quadam rupibus ciicumdata fere sesquUeucam
ab urbo remoia
- 4, F MYKIACANTHA Boiss 1 c U3 +— Basi buffiutescon!. glabia vel ad folia el *spinae*
breviswme pubescenti-viscidula lamis. quadiangu.is sulcalo-stnatis diffusis *ramosis*
simis mlncaiis. aruculis longis bpnus quaternu, longissimis patentibus acerosis. *folia*
multo superantibus, folus subse^siliLus tnfoholatis,. foliolis oblongo-lmoanbus *subfal-*
< uis oblique et longe mucronulatis, intermedio lation longionque. folus superiorly^s

sacpe inonoplñllis mi nut IN , Uonbus ajcrlmi ilmv, pedicello u* subaoquiloqgo suffultts, pyjidissime roseis mpdiocribus. sepalis vix puberuUa lancoolatis longe aoumñftis, c₀-rollom dimidjam acquantibus, capsula pedioollo dellexo ea longwu sjuiffda ovuto-tuibinaia. Ijrevissimc hirtella 5-cnrpellan, shlo subacquilongo apiculftta, caipcllis acute caunatis — Cic^tit in \albhu6 Smnilicis et dtt>eilo Tib

1 F LCHINELLA Boiss 1 c f - Tola »nb lente glandulis ^iipitalib miniuis obaila VI&CI-dyla lainis piocumbentibus abbievialis quudrangulis \alde sultans mtucato-ramosis-simis, internodu* bieMssimi* spinis quatemis tooiibus ocerosis ereclo - palulis, folns duj)lo longfbuhus folns minutissimis ppliolo foliolis brc\iou suffulUs, foliolis terms oblongie cainosulih longe albo-mucionulaus, mteimodio paulo mnjou flonbu^ axillaubus niinu(issuing ropiosib t>ubsessilibus, sepalis ovaii* pubeiulis mucronulatis, corollam dimidiam pallide carneam aequanlibus capsula pedicello defle\o ca bievion suirulta lomentella ovato-iurbmala, stylo ca brevion apiculata, caipelli!> 5 acute cannaiii — Crescit in plamiie exccUiori deserti Aegyptiaci intei Kahnarn el Suez et mtei Suez et Tor

b P ACLROSA Boiss 1*c 124 f— Glabeinma, basi suffrutescens duinosa caulibus ramosibsimis ascendentibus ramisque teretibus sliiatulis, internodiis longis, spinis qualernis longis patentibus acerosn, lolia multo superantibus, folns tnfoliolatis, petiolo loliola aequanle vcl superante suffullis, foliolis peliolulalis comolutis lineanbus teretibus, in mucronem iongmseulum attenualis flonbus axillanbus pedicello us aequilongo suffultis magms, sepals lanccolatib mucronalis gldbernmis, corollam roseam dimidiam MX acquantibus, capsula ,, » — Crescit m Peisia australi inter Djavoun et Darap

7 F PARVIFLORA Boiss I if — Glabra aut superne parce sub lente puberula caulibus nscendenlibus ereclisvc a basi ramosissimis dumos lat^os formantibus ramisque torelibus snalis spinis quatemis tenuibus acerosis potulie, saepius inaequahbua, folia paulo supeiantibus, fplns umfoliolatis, foliolo piano anguste lanceolato linean-elongdto, breviler et oblique mucronato, petiolo sextuplo loggion, folns sumrois sossillibus. floubus axillanbus, peditello us longion suffulti<*> roirnmis> sepalis triangulan-lanceolaiis papillosis mucronaiis, corollam dimidiam pallide roseam uequanlibus, capsula pedicolPo dellexo ea duplo longion suffulta globoso-tuibinata hiriula, stylo hrevi apitulaa, carpellis 5 acutiuscule can n a lib. — fiiscit in aienosib secus cataracta9 NNI 2>upa Assouan

6036. ZIWOFHYIIIJ]!! *Lmn.*

(DC. Piodr I 705 — Wlprs Repert I 494 II 823 V 386, Annal I 150)

1 / DIMOSUM Boiss Diagn plant orient nov VIII pag 125 f— Fiiuicobum caulibus ticctis a basi ramosissimis raousque lignosis, cpideimide alba fannosa vestitis, dumum 3—5-pedalem intucati&simum formanubus loins ad lamos junicres brevissunos fasciculatis, adpressissimc canjs, petiolo ffieti bifbliolaio stibper&istenti, foliolis teretibus subcomprossis oblongo - lineanbus caduussimi!> pciolo paulo bievionbus, flonbus nxilJaiibus solilanid, pedicello cahci aoquilongo suffluUis. t-opahs merabranaccu? ob'orgis acutiusculis, adpressc lurtcllis, pctalis albis angu>te oblongs obtusis, in un-&uem longum attenuate, cahce subinplo longionbus. capsule pedicello ea paulo lon-e<on paicnli - deflexo suffulta globoso-depresga, ad ajin usque in 5 carpeUa stellatim divisa carpellorum dorso acuto, in alam meipbranaceam us subaequilatam expanso — Crescit in audissimis deserti Arabiae petraeae in ^ia inter Nuckc 8: Gaza

6036/8 MOMAIiOI-EFIS *Turcz*

(Turczan. Flora [B. Z] XXXI 709)

Calyx parvus hemisphaencus quinquepartitus, lacinns lotlmdatis. Petioli quinque imo calyci id6erta ejusque lacinns alteina hneana. jnedio camiata, obtusa. Stamina decem. Filamenta Mibulata glabra, ^d si squamae hnean, integernmae, densiesime floccoso-lanatae adnata, Antherac panae biloculares, longitudinaliter delnscentes, dorso affixae

versatiles Ovanum villosissimum p\nophoro brevi msidens, cylindrcum qmnquesulcatuni quincloculare, loculis multio\ulatis Stvlus subujatus ad mediuni villosus sulcalus, stigmatc par\o discoideo superatus — Arbor scu frute\ ramis cicalnsalis Folia imparipinnata, mfenora 9-, supcnora 3-foliolata, foliohs oppositis sessilibus obcordatis \el oblonpo-obo^alls omarginatis, marline ic^olutis, conaceis .supra pubescentibus, subtus tomentos. Racemi c\ axillis superioribus teiminalesque in corvmbum di^posili, flores pcdiccllati, bractea minuta fulti Calyces pani tomentosi Petala ulunqtc tomeritosa, in sicco albida, rahcem quadruplo superantia — Genus *Zygophyllo* proximum, habitu dntrsissimo, mdumenlo, catycis lacinnis aequahbus *ei* siigmate indiMSO distinctum, squaims mlctnis indumento alnsqtc nohs ab alns genenbu^ hujus ordmns rccedit

1 MI BL\>GHETH Turcz I c — Cioscil in Biasilno prwncia Dihia

Ordo Lin. DIOSMEAE *Adr Juss*

(Ulprs Rppert I 499 II 823 V 386, Annal I 154 — *tutaccarum* tnb I DC Piodi I 709)

5989 \LIMEIDEA *St. thl*

(DC Prodi I 729 — Wlprs Reperl I 499, Annal I 154)

1 \ MACHOPETALA Fisch ft Mov Sort Pcropolit tab 10 f — Folns oblongis bic \iler acutaiis, bnsi subrotundotis v. subattenuatis, racomo glabcrnmo folio longiore basi ramoso caljcis dentibus obtusis, filamentis longiudino duas terlias pctalorum subllneanum oblusorum adacquanlibus — In Brasilia habitat

t Icon addenda.

A RUORA St Ilil — D(1 c no. 2 — Hook Bot Magaz tab 4548

5990 GAL.IPEA *St. IN*

(DC Prodr I 730 — Wlprs Repert I 499)

1 G (*Scimxy* FISSA Miqu, Surp Sunnamens select pag 64 f — Subarborea glabra folns modicc pctiohtis tnfoliolatis, foliolis sessilibus membranaccis pellucido-glandulosis oblongis crosso-crenulaiis, apicc acuminaio vel saltern attenuato bifido-emarginatio iniennedio basi dequali cuneato, lateralibus brevionibus, angulo exteino dflatati* interno rsectis corynibus axillanbus vel subterminalibus, folio brevionibus glabnus-rulis (loibus peilicellatis calycis brc\is dentibus qumque apicc puberulis corollae tubulosao limbo subbilabiato stamimbus stenlibus quatuor (?), connectivo apicc producto guttulifero — Crescit in Surinam superior?

5990/i? PEL.TOSTIGMA *Jlpn.*

(Wlprs Repert V 386)

1 'P PTFIFOIDES Wlpris 1 c 387 no 1 -Hook Bot Magaz tab 443b

5993A liEmOHTIA *Ltncl.*

(Wlprs Repert \ 387)

1 'L SptCTABIMS Llncl — Wlpr* 1 c - Paxt Magnr of bot \I\ 73 c it

5997 *ESEtfHECKIA Knth*

(Wlprs Report 1 501)

- 1 L MOLLIS Miq. Linnaea XXII 796 f — Folus oppositis vel suboppositis longiuscule pctiolaus cum ramulis et inflorescentn subtomenoso-pubescentibus ternatis, foliolis *sessilibus oblongis \et obtusiusculis lateralibus macquilateraliter ellipticis, medio V» lonpiori, basi oequali cuncao pamculis terminalibus confortis sepalis o\Us obtuH> lurtelhs, petalis dor so porce pilosulis glandulosisque — Crescit in Brasiliae provincn tiahia

5998 *METRODOREA St Hil*

(Wlprs Report I 501)

- 1 M ATROPURPURE \ Fisch mss in Var* Houttc. flore des serres IV tab 33? — Rimis dichotomis verruculosis glabns pctiolis vix bnsi inflatis rotundatis folus ternatis implis, foliohs obovdtis acuminato-obtusis glabemmis parallele venosis, panicula lamosn cahcis lobis bretissimis rotundatis, petalis convexis de medio ad apicem supia puberulis stellatim recurvato-patulis disco quinquelobo (lobis emarginatis) mbeicuhs seriatim obsito et circumdato staminibus disci sinubus oppositis sUgmatt ^bsessili capitato — Habitat in (Mexico?)

6002. *GEIJERA Schott*

(Wlprs Re.pert I 501)

- 1 G PVRVIFLORA Lindl in Mitchell, Journal of tropical Australia pag 102 adnot — Ramis ercciis folus longis linearibus pendulis m petiolum sensim angustatis 4 unc longis — Crescit in Australia onentali tropica.
- 1 (• LATIFOLIA Lindl in Mitchell 1 c p 236 adn — Folus ovato-lanceolatis longo fir ioliis subius obscure pubescentibus jumonbus convolutis. — Crescit in Australia onentili tiopica
- 3 G PEINDULA Lindl in Mitchell 1 c p 251 adn. — Ramis gracihbus pendulis; folus liucaribus in petiolum sensim angustatis 5uncias longis cum raro parallelis — Cies in Australia oncotali tropica

6003 *ZIERIA Sm*

(DC Prodi I 722 — Wlprs Report I 502)

- 1 'Z MACROPHYLLA Bonpl — DC 1 c 723 no 2 - Hook Bot Magaz tab 4451
- ^ Z FRASERI Hook in Mitchell Journal of tropical Australia p 339 adnot — Ramulis jumonbus pubeiulis. folus impunctalis brevissime pctiolaus, foliolis lanceolatis acutis margimbus leviter revolutis, subtus palhdis pubescenti-series pedunculis triflons folio brevionbus — Crescit in Australia onentali tropica

6004. *BOROHTIA Sm*

(DC Prodr I 721 — Wlprs Report I 502 V. 388)

- 1 B COLORATA Lehm Plant Preiss Hv226 + — Fruticosa glabernma folns Uncm - oblongis plants pedunculis axillanbus solitarus umflons folio brevionbus. supra basin bracteoatis superne incrassatis, ralycis* corojlum subaequantis segmentis ovatis aminatis — frescit in Austialia interior! meridional! occidental!
- * D MEGASTIGMA N ab E ross ox Bartl ID Lehm 1 c, 227 f — Ramis tetragoni* folusque sessilibus impanpinnatis 1—2-jugis scabns, foliohs lmeanbus-obtusiuscuhs, morginc recurvis pedunculis axillanbus unifloris bibracteatibus stigmatibus maximo quadrangulan — Habitat in Australia inlenon mendionali occidental!
- 3 B PUBESCENS Ba>d I c f- Fruticulosa, a basi ramosa, pubescens folut pctiolaus imparipmnatis, foliolis uni — bijugis lmeari-oblongis acutis, pedunculis axillanbus solitaribus umflons, basi bracieolatis sepaiis linear-lanteolatis pcalis extus pubescen-

- nbus, antheus apice barbatis. — Habitat in Nova Hollandia interiori mendionah-occulentali
- 4 B LRIA&THA Lmdl in Mitchell, Journal of tropical Australia p 298. adnot — Folns pinnatis cum impart 1—3-jugis, foliolis gl&bemmis lneanbus relusis emargindiisque Incvibjs pedunculis solitariis uniflons axillaribus, folns bre\ionbus, sepalis tnanguhubus ghbns petalis tomentosis siamimbus octo — Crescit in Australia onentah tiopica
- 5 B DIPIIWATA Lmdl in Mitchell J c p r<25 adn — Glabia vcl pilosa folns bipinilib pinnntisque, foliolis hnoanbus subierclibus obtusis, flonbus subsohtariis axillnbus, folns bicvionbus 8-andns — Cresut in Australia oncentali iropica

t Ioones addendoe.

- B SPATHIATA Lmdl — Y\lprs 1 c I 502 'no 1 — Lmdl ft Paxt. Flow gard I 46 fig 30
- B TF rtiANDRA Labill — Wlpib I c no 9 —Lmdl ft Paxt 1 c 35 % 8 — Paxton, Mag ofboi XVI 227 (c ic)

6005 CYAHTOTMAMIVIJS *Limn.*

(Wlprs Rcpert I 503. Y 389)

1. C TRIDACIVLITES Baitl in Lehm Pfent Preiss II S27*+ — Caule lignoscento, a basi ramoso, iamis> pubescenlibus, folns ternalis, foliolis linear - cunealis, apice tnflidis flonbus solitiin> axillanbus, filamentis ciliatis, supernc glandulosis, antherarum appendice ipms tnplo breviorc recuna — In Australia mteriou meridionah - Occident id

6006 ERIGSTEIfrOU *Sm*

(D, Piodi I 720 —Wlprs Reprt. I 503 II 823 V. 389)

- 1 E LHCbUM Turcz Bulletin de la socie'td imp des nalui de Moscou XXII Part II p 14 — Folns alternis seflsihbus opposilivse Ueanbus ncutis. maigme subrevolutis glabns racGtns ex axillis superioribus ortis paniculatis pubescentibus, petalis ovali-oblongi^, scpuld ovata multo superantibus — Frutex usque ad mfloroesentidm simplex, gldbuusculus, raceuus, pedunculis cahcibusque pube brevi vestitis Petala cocrulescentia Filamenta complanala, basi dilalata, dense ciliata, apice attenuaia, alterna minora. petalis plus quain duplo bieviara Stylus brevis cylmdncus, stamina non superans O\aua gldbn Stigma 5 - sulcatum Antherae breviter appendiculatae — Habitat in No\la Hllandu occidental!.
- 2 £ CALYCIUM Turcz. I c — Ramis leviter tomentosis, folns alternis sessilibus lneanbus obtusiusculis, maigmibus nervoque medio incrassatis punctalis, superioribus conlcus pedunctilL infra apicem ramorum aut in dichiomus ramulorum axillanbus fasciculatis petalis oblongo - ovalibus mucronulatis lacimas calycinas linean-lao-ccolatas acummntas \ix sesquics superanubus. — Folia tnlinealia semilineam lata, glabia Miidia crassiuscula, punctis nigrcantibus tecta. Peduncuh circiter bilmeales tomentosi Cdhces glabnuscuh aut basi vix pubescentes albidu Petala in sicco rubella Stamina den so baibeta, apice filamentorum attenuata, longitudine calycis. Antherae ovato-iotundatae basi subcordatae, dorso insertae, appendicula parva Candida terminatae Ovana 5, semine infenore imprrfecto aut oranino aborliente, unicum inter* dum ma, is exciscens ct cilium malurescens, in lull semen compiesso-ellipsoideum. testa atra HI ten to tectum Sulcus stamimbus paulo brevior, stigma minute capjtella* turn. — Habitat in Nova Hollandia
- 3 E (?) UMBELLATUM Turcz 1. c p 15 — Ramis leviter tomenlosis, folns altrrnis sessilibus lineanbus acutiusculis. margimbus revolulis glabris punctatis, pedunculis axillanbus umbellatia aiamentib petala superantibus flififormibus gtabns, anihens exappediculatis> — Frutex sesqui - aut bipedahs, caule punctato ramogo glabnusoulo Folia bipollicana, saepo incurva, subtus glauca, margimbus remote dentatis revolun. I—²

- lin. lain. Umbellae cum pedunculis circiter 7 lin. longae, 3—7-florae irregularis, pedunculis tomentellis, pedicellis cum dorso laciniarum calycinarum peltatisque orebro punctatis. Galycis lacinae parvae ovatae obusae fusco-lutescentes; petala multo majora oblongo-ovalia acutiuscula lutea. Filamenta alterna minora, primo inclusa et medio crassiora, dein exserta filiformia. Antherae ovato-orbiculatae, basi subcordatae, dorso filamentorum apice attenuatae affixae, ependiculae destitutae. Ovaria glabra gynophoro disciformi insidentia unilocularia bivulvata, ovulo inferiore pendulo. Stylus versus apicem attenuatus, stominibus paulo brevior glaber. stigma tenue. Species pulchella, habiit ad *£. myoporoidem* DC. accedens, filamentis filiformibus glabris et exsertis antherisque exappendicularibus a charactere generico recedens, forte cognito fructu in posterum separanda. — Habitat in Nova Uollandia.
4. *E. SCADNUM* DC. jun. ex Schlecht. Bot. Zeitung. VI. 3². — Ramulis pubescentibus teretiusculis; foliis anguste linearibus acutis glabriusculis, tuberculis crebre adspersis; pedicellis in axillis foliorum medio ramorum solitariis, supra basin bractealis; filamentis staminum superne ciliatis, antheris appendiculatis. — Habitat . . . ?
5. *E. RHOMBEUM* Lindl. in Mitchell. Journal of tropical Australia p. 293. adn. — Ramulis pubescentibus; foliis carnosius obtuse rhombeis revolutis, subtus glabris; pedicellis terminalibus unifloris tomentosius foliis brevioribus; staminibus pilosis. — Crescit in Australia orientali iropiqa.
6. *E. INTERMEDIUM* Hook. Bot. Magaz. tab. 4439. f — Morren. Ann. de la soc. d'hortic. de Gand V. 169. t. 251. — Van Houtte, Floro des serres V. tab. 443. — Ramulis pubescentibus; foliis oblongo-ovatis glaucescentibus mucronatis, subtus praecipue glandulosis punctatis; pedunculis axillaribus solitariis unifloris folio duplo brevioribus; calycibus petalisque glabris; filamentis ciliatis. — Affine praecedenti. — Habitat . . . ?

6007. *CVOWEA* Sm.

(DC. Prodr. I. 720. - Wlprs. Repert. I. 504, Annal. I. 154.)

1. *CR. ANGUSTIFOLIA* Turcz. Bulletin de la societe Imp. des natur. de Moscou XXII. Part. II. p. 13. — Caule vimineo parum ramoso basi teretiusculo, dein tetragono-alato; foliis alternis sessilibus anguste linearibus elongatis acutis, margine revolutis; pedunculis axillaribus unifloris. — Frutex plus quam bipedalis glaber erectus tenuis simplex, vel versus apicem ramis paucis instructus. a medio circiter cum ramis saepe flexuosis tetragono-alatus, alis praesertim suporoe crispatis. Folia fere bipollicaria. vix semilpeam lata incurva, marginibus involutis plerumque crispato-denticulatis. Pedunculi inferiores circiter 6 lin. longi, bractearum paribus 1—2, interdumque foliis totidem muniti, opugulosi, ad infirionem bractearum constipicti, ad florem incrassati. Bractea nioutae, margine ciliolatae. Calyx peniaphyllus. floralis orbiculatis obtusis, dense punctatis. Petala calyce multoties longiora lanceolata obtusiuscula punctata coerulescentia (in sicco). Filamenta 10 basi dilatata complinata conniventia, dprso glabriuscula, imple barbata; antherae cordato-oblongae introrsae. in appendicem niveam oblongo-triangularem barbatae productae. Capsulae 5 bivalves, quarum 1—2 saepe minores monospermae, interdum deficientes, majores in seminibus jam aperae et seminibus jam delapsis. — Habitat in Nova Hollaodia ad flumen Cygnorum.

6008. *FJBIIOTHBCA* Mge.

(DC. Prodr. I. 71. — Wlpw. Kepwt. 1.505.)

- * *PH. CILIATA* Hook, in Mitchell. Journal of tropical Australia p. 347. adnot. — Ramulis pilosis; foliis erectis subimbricatis linearibus obtusis ciliatis, dorso convexis glandulosis, superne planis nudis; petalis ovali-ellipticis obtusis, marginibus extus albo-pubescentibus. — Affinis *Vh. australi*. — Crescit in Nova Hollandia tropica.
2. *PH. LONGIFOLIA* Turcz. Bulletin de la soc. imp. des natur. de Moscou XXII. Part. H. p. 16. — Foliis linearibus subtus coarctatis tuberculatis; antheris apice comosis. —

Frutex habitu *Ph amtrahs* Rudge Folia duplo longiora nempo circiter 4 lin longa
 mmigine ad lentem cihoioti dorso tuberculis crnssis el rans rib sit a Flores torminales
 majores Cahcis lacunae breves OMitae ciln latae Pelala oblonga utnnque sencca
 Tubus otamineus pane libera paulo brevior lurius Filamcna in pane hbera hirsu-
 tissima pilis anlheras occuliantibus Antherae dorso ifhx IC oblongae longitudinalitei
 dehiscentes npice pilis plunbus comosae qua noia atque folns lorrhionbus gios9e
 tubei cuJatis a proximo *Ph austiah* disimguitur (haua hirsuta biovulata Stjlus co-
 nicus barbatu* Stigma glabium lenuissime 5-denticulalum — (A specie praecedente
 vix differe videtur) — Habitat in Nova Hollandia

6009. PHEBAMUHI Vent

(DC Prodr I 714 — Wlprs Repert I 505 II 823 V 389)

1 PH GLANDULOSUM Hook in Mitchell Journal of tropical Australia p 199 adnot —
 Folns anguste lineau - cuneatis tetusis cnnaliculatis, marginibus revolulis, subt&
 ramulisque nigenteo-lepidotis superne (prapcipue) grosse glandulosis nudis, corym-
 h& terminalibus parvis scsilibus fusco-lepidotis caljcibus subtruncalis, petalis ovatis
 concavis — Crescit in Australia onentah tropica

6010A GEXISZBTOWIA Turcz.

(Turczan Bulletin de la 800616* imp des notur de Moscou XXII Part II p 12)

Calyx pentaphyllus bibracteatus, foliohs ovah-oblongis coloratis obtuse.
 Petala 5 ovaha, basi angustiora obtusa, sepalis bre\iora Stamina 10, hla-
 mentis glabns, aiteinis paulo brevionbus, anlheris oxalibus exappendicula-
 tis biloculanbus, longitudinalililer dehiscentibus, basi inter loculos filamen-
 toium apicibus capillanbus afhxis 0\ana 5 gynophoro disciformi stdmim-
 lero msidentia umloculana puberula. Ovula in loculis gemina'contigua
 superposila, angulo centrail lateraliter affjxa. Stigmata 5, ex intenonbus
 ovarn angulis in unicum orbiculatiim pileiforme arete concrela. Cap^ulae
 5 dispermac, semine altero plerumque imperfecto, interdum omnino defi-
 ciente — Frutex ramosissimus: flonbus in ramuhs terminaliibus, ple-
 rumque sohtarns, ranus binis, altero ex axilla supenore lateralilei
 uascente, glabnusculis, ramis ramulisque tenuiter tomentelhs, post folio-
 rum delapsum cicatnsatis, folns alternis suboppositisve imbricate minu-
 tis obovatis vel obotalo-oblongis, obtusis enervns, supra concaMS
 lacvibus, subtus verrucis magnis globosis tectis firacteolae lineares
 obtusae fla\o-coloratae Peduncuh brevissimi tomentosi Sepala citna,
 dorso verrucosa, terrucis tamen quam in folns multo mmonbus. Petala
 conformia, saturatiu« colorata, ineunle floratione sepalis mmora, dein
 fere aequalia Genus propter folia eminenter verrucosa habitu singu-
 lare, *Chonlaenae* charactenbus approximatur, at distinguitur filamentis
 glabns petalisque cal>ce brevionbus, stigmatate orbiculato-depresso
 pileiformi indi\iso, situ otulorum et forsan anthers terminaliibus.

1 'G VERRUCOSA Turcz 1 c 13 tab 1 — Habitat in Nova Hollandia prope flumen
 Cjgnoium

6023A £]HPi£VROSIIA Bartl.

(Bartl in Lehm PI Preiss II 228)

Flores dioici \el polygami? apetah Masc Calyx quadnpartitus per
 aestivationem vahatus. Stamina 8 Filamenta brevissima Antherae
 glandula terminah ovato-lanceolala Fern ?

1 -E VIRGATA Baril | c +— Fruticulus habitu *Empleuu* — In ^o^a Hollandia «»
 monte Curnc

Ordo LIV. RUTACEAE *Barti.*

r Wlprs. Reperit. I. 517. II. 824. V. 394. Annal. I. 156. — *Rutaceae* ex p. DC. Prodr. I. 709.)

6027. HUT A *Tournef.*

(DC. Prodr. I. 709. — Wlprs. Reperit. I. 517.)

I. R. FUMARIAEFOLIA Boiss. ft I! el dr. Diagnos. plant. Orient, nov. VIII. p. 125. f - Glabra glanduloso-punctata griseo-virens; caulibus suffruticosis tortuosa; ramia tenuibus erecta vel ascendentibus flexuosis, ad apicem usque foliosii; folia longiuscule et tenuiter peiolotis, ambitu oblongis, teriuissimehlpinnato-decomposes, pinnis a folio medio utrinque decrescentibus, foliolis minimis oblongo-obovatis, io petiolulum attenuatis; corymbis paucifloris contractis; bracteis oblongis acutiusculis, pedunculo latioribus; petolis cucullaiis obtusis, longe margine flmbrialis, in unguem subiiio contractis; capsulae lobis acuiis. — Crescit in frutioetis prope conventum Megalo Monastiri non prociui a promobtorio Sidero provincia Sitia Cretae.

6028. HAPIOPHYIiUin: *Adr. Juss.*

Wlprs. Reperit. I. 517. II, 624. V. 494, Ano.I. 156. — Spaob, Annal. sc. natur. [3 Ser.J XI. 174—192.)

Subgenusl. EUHAPLOPHYLLUM Spach.

Ovarii loculi sepalis petalisque isom'eri, nempe quinque. Gynopbonim breve vel brevissimum, sub ovario in discum annularem vel pelviformen expansum. Inflorescentia normaliter multiflora.

D i v i s i o I.

Ovarii loculi quadriovulati, ovulis appensis, geminatim superpositis. Petala submarcescentia (tarde decidua), glandulis magis minusve crebris minimis punctulata, basi 5- vel 7-nervia, demum erecta vel conniventia (nec deflexa). Filamenta breviter (a basi ad $\frac{1}{2}$ — $\frac{1}{3}$ Dec aliusj) liguliformia. Ovarii lobi dorso sub apice gibbosi vel corniculati. Folia subcoriacea uninervia (nisi trisecta) punctulata... Cymae (etiam defloratae) magis minusve contractae. **

Subdivisio I. Folia omnia indivisa. Ovarium glandulis subaequalibus subglobosis verruculosum.

<0 Ovarium undique birtellum. Caules vegetiores corymbosoagramosi vel paniculati.

¹ H. UISPANICUM Spach l. c. 176. — Caulibus. foliis inflorescentiisque nunc glabellum. "unc laxius densiusve lanulosum. Folia aessilia. caulibus vegetloribus oblonga (aupeiora interdum ovata vel ovato-oblonga vel ovalia), caulibus macrioribus (ramulisque erotinis) linearia vel spatbulato-linearia, plerumque obtusa. Calyx persistena minutus quinquepartitus. sepalis ovalis obtusis, dorso lanulosis vel lanatis. Petals ovalia vel ovata. obiusn flava. Filamenta a basi ad 7» liguliformia. Ovarii lobi corniculo cooico brevi recto inaccrescente appendiculati. Stylus subfliformis, ovarii lobos longe superans. Capsula globoso-ovoidea, profunde lobota hirtella, sparse verruculosa. lobis sub apice obsolete gibbulosis. Semina nigra, dense reticulato-rugulosa. — *Ruta tinifolia* (ex parte) Linn. — *Ruta yubescn** Willd.— ??. *Hnifolia* DC. quoad stirpemHi

- spanicam et excluso sijnonjmo Fontanciano — *Uta rotnanmfolia* Juss — *Haplophyllum pubescens* Doiss — Non *Huta laufoha* Shtlip ft. Sm, nee Biberst nee Forsk nee Reichb nec Sims — ficscil in Hispania
- V H PUMILUM Boiss Diagnos I 62 — Spach I c 177 — Caulibus. folus mfloroscen-
tiaque lanulosum folia lanceolato-lineana \el lanccolalo-oblonga acuta scssilia MI idia
Calw persistens. scpalis linean-\el oblongo-laneeolatis acutis. subtus lanulosis Pet-
tala o\aiio -lanceolala acum llava glabra Filamenta ad $\frac{1}{4}$ —'i liguiformia O\arn lobi
comirulo brevi obtuso contco recto inaccrescente aftpendiculnti glabri M\lus clavatus,
inter ovam lobos bre\itor exsortus Capsula ovoidea. profunde lobaia, sparse >erru-
culosa Scimna > Cyma densissima — Crescit in Cana
- 3 H SYI VATIOLM Boiss Diagnos VIII 126. — Spach I c — Caulibuff foliis mflo-
roscentiaque glabium \el laic lanulosum Folia scssilia vndia lanceolato-oblonga
acula Cyma densiustula, flonbus plensque longe pedicellate Calyx persistens, pio-
funde partitus, scpalis o\niis acuiis, subtus lanulosis \el glabrib Pctala ovata aculius-
cula flat a glabra Filamenta ad 'A—'A liguiformia Ovanum glabrum. 16bi corni-
culo brevi obtuso subincuno appendiculali Stjlus elongalus, apice incrassatus Cap-
sula ? — Crescit in S\na
4. H CONGESTUM Spach, III plant oi. HI 77 tañ 261. & Ann I cit. 178 — Folus
rauhbusquo glabrum folia glaucscenlia scssilia lanceolato - oblonga acuta Cyma
dense pubcrula flohbus plensque longe pedicellatis. Calyx glabermus submembia-
nncus, profunde quinqtfobuq (persistens? saltern tarde deciduus), lobfs ovato-del-
luidcis vel oblongis acuiis croso-crenatis Pctala ovata obtusa, in siceo ochroleuca
turn lasen MI all I-ilamenta ad Vi liguliformia. Ovanum glabrum, lobi gibbo raaumo
obtuso o\ato plitalo (accrcsc(nte*>) coionati Stilus elongalus Capsula., .. ? —
Crescit in Abia minoi — *An Ruta suaveolens p congesta* DC — *Ruta hmfolta* Sims
(e\cl syuon) Foisan // *Buxhaumu §. suaveolens* Gns
- 9 H TAURICUM Spach. Ann des sc. nat. I. cit. p. 178 — Ex pane *Ruta Umfoha* Bie-
berst et *R suaieolens* DC <- Verosimihter ex parte *Haplophyllum suaveolens* p
Ledeb — ffabitu, folus inflorescenliaq6e omnino // *congeslo* Sp similis, differt sc-
palis ovatis oblusis elliolatis, ab ima basi liberw (Capsula ignota) — Crescit in
Tauria
- 6 II BIEBERSTEIMI Spach 1 t — Caulibus inflorescentnsque lanulosum Folia glau-
cescentia seşsilia lanceolato-oblonga vel lanceolala acula ciliolata Cymae donsao
bracteosae, flonbus plensque longe pedicellate Sepala hnean-vel oblongo - lanceo-
lata acuta ciliolata, fere a basi libera. Petala dvalia acula glabra, in siceo ochroleuca
cum fascia vindi. Filamenta ad $\frac{1}{4}$ — $\frac{1}{4}$ liguliformia Ovanum glabrum vel sparse
pilosum, lobis cormculo recto tenui conico - col um nan loculo paulo brevion appen-
diculatis. Stylus clongatus subflififormis. Capsula. . . . ? — Ex parte *Ruta Umfolta*
Bieberst — Ex parte *Ruta suaveolens* DC. — Forsan // *cthatum* Gnseb. Spicil. fl. Rumel.
I 130 — Ex parte *H suaveolens* Led eh — Crescit in Bessarabia.
- 7 II ARMENUM Spachi 1 cit 179 — Caulibus folusque laxo lanulosum. Caules in spe-
cimnibus obvus quam in praecedennbus speclibus humlliores (4—5 poll longi) et
remotius foliati Cymae densiusculae biactcosae, ramulls subtrifloris, flonbus longius-
culejpedicellatis. bepala ovato-lnnceolata acuta, a basi discreta, margme lannlosa
Petala ovata acuta, dorso puberula, in siceo ochroleuca cum fascia vindi Filameota
ad V» liguliformia Ovanum glabri lobi gibbo ciasso oblusio conico brevi coronati. Stylus
elongatus subflififormis (Capsula ignota) — Forsan ex parte *Huta suaveolens* DC,
forsan ex parte // *ahatum* Gns — Crescit in Aimenia

Subdivisio U. Folia pleraque aut saltern supenora trisficta Ovanum
glandulrt Subclavalis elongatis maequahbus (praesertim secus apicem
ventns loborum majonbus)

- 8 II. BESSERI Spach 1. cit 179 — Caulibus. folus inflorescentiisquo lanulosum. Caules
graciles virgati simplices fohosi Folia pctiolata, jnfenora mediaque lanceolate vel
lancefljtetp- oblonga acutiuscula, supenora tnsecta, segmenlis lanceolato - liearihus*

Cymae quasi poduncolatae riensae-bracteosae. pedicelli* elongati ramuliformibus. Bractee pleraequetriseae, segmentis lanceolato-linearibus. Sepala lanceolata scuta, dorso marginibusque longe villosa, basi concreta. Petala ovata acutiuscula, medio dorso pilosa, in sicco oclilolicea cum fascia viridi. Filamenta a basi ad apicem anguste liguliformia. Ovarii pitosi lobi uorniculo tenui elongato conico-dylindraceo recto appendiculati. Stylus elongatus subfiliformis. (Cnpsitta ignota.) — *Ruta suaveolens* Bess. — Verosimiliter ex pane *Iinta linifolia* Bieberi. — Forsan ex parte *Haplophyllum suaveolens* [J. Lcdcb. — Crescit in Bessarabia.

9. II. CORCWATL'f Griseb. Spicil. fl. Rumel. I. 129. — Spach I. c. 190. — Caulibus. foliis inflorescentiisque lanulosum. Caules simpliciter vel corymboso-ramosi foliosi. Folia peffilaia, inferiora summaque lanceolato-vel spatulato-oblonga obtusa, media (vel et pleraque inferiora) irsecta, segmentis plorumque spatulato-oblongis. Cymae sessiles bracteatae densiusculae, ramis ramulisque crassiusculis. Bractee filiformes indivisae. Sepala lanceolata acuta longe-ciliata, Petala ovalia acutiuscula. flava, carina dorsali pilosa. Filamenta a basi ad apicem anguste liguliformia. Ovarii ventre piloselli lobi corniculo elongato conico accrescente plerumque recurvo appendiculati. Stylus elongatus subfiliformis. Capsula ovoidea, inaequaliter echinato-verrucosa, profunde lobata, lobis longe corniculatis. Semina ignota. — *Ruta Patavina* Flor. Graec. — *Ruta Duxbaumii* Friv. — Crescit in Macedonia et Thessaliae montibus.

D i v i s i o II.

Ovarii loculi biovulati, ovulis superpositis, superiore ascendente, inferiore appenso. — Folia pleraque (sicutae bractee) trisecta.

10. H. PATAVINUM Juss. — Achb. Ic. fl. Germ. V. fig. 4817. — Caules simpliciter vel parce ramulosi puberuli graciles foliosi. Folia sessilia glabra, supra laete viridia, subtus glaucescentia, segmentis lanceolato-linearibus, infima indivisa, segmentis conformia. Cymae densae contractae sessiles, ramis pubescentibus elongatis tenuibus, plerumque tridorsis. Pedicelli subfasciculati filiformes elongati, Bractee pubescentes magis minuste elongatae, pleraque bi- aut tripartitae, segmentis filiformibus. Sepala lineari-lanceolata acuta, dorso marginibusque longe villosa, fere a basi discrete. Petala rhombico-ovata obtusa glabra flava. Filamenta brevissima (a basi ad apicem) liguliformia libera. Ovarium glabrum, undique aequaliter verrucoso-glandulosum, lobis ovato-conico brevi inflorescente appendiculatis, stylus filiformis elongatus. Capsula admodum parva obtuse quinqueloba. tuberculis glandularibus adspersa, lobo caetero dorso prope apicem cristula mucosa, sed non semper. Semina exquisite curvato-reniformia ruguloso-scabra. — *Pseudo-Ruta Patavina trifolia, floribus luteis umbellate* Micheli. — *Ruta Patavina* Linn. - DC. Prodr. I. 711. — *Alophyllum Patavinum* Reichb. — Crescit in Istria atque Dalmatia.

D i v i s i o III.

Ovarii loculi biovulati (vel variatione uniovulati), ovulis appensis colateralibus. Petala glandulis crassiusculis (parvis) adspersa. speciebus Pierisque mox decidua, demum deflexa, 1-vel obsolete 3-nerviata. Filamenta a basi ad medium altiusve liguliformia, speciebus nonnullis magis minusve monadelphica.

Subdivisio I Ovarii lobi dorso sub apice gibbosi vel corniculati.

*) folia alia indivisa, alia trisecta vel interdum bifida, segmentis angustis planis. Caules (vegetiores saltem) paniculati. Filamenta late liguliformia. Ovarium verrucoso-glandulosum, ventre pilosum.

- ¹¹. H. PTILOSTYLUM Spach, III. pi. orient, tab. 267. 8t Ann. des scienc. natur. (3 Ser.) XI. (si. — caulibus. inflorescentiisque lanulosum. Folia sessilia tenuia, alia lanceolato-linearibus uninerviata, alia (praesertim caulibus rameisque superioribus) bi-vel trisepta, segmentis lanceolato-linearibus, magis minusve inaequaliter. Cymae sub-

obracieatae, demum laxae et subdivaricatae. Sepala tarda decidua ovata vel ovato-oblonga, obtusa, margine lanulosa. Petala ovato-oblonga obtusa flava. Filamenta libera. Ovarii lobi obtuse gibbosi. Stylus TUIOSUS. Capsula.....? — Crescit in Persia australi. >

- VI. H. CAPPADOCICUM Spach 11. c.c. tab. 263. ft p. 182. — Caulibus. innorescentis foliisque laxe lanulosum. Folia tenuia glaucescentia, in petiolum angustata, caulina alia (rimealiaque) lanccolato-lineararia uninervia, alia profunde bifida (verosimiliter et trisecla), segmentis lanccolato-linearibus. Cymae subbracteatae pedunculatae, demum Inxao et subdivaricatae. Sepala oblonga obtusa decidua, margine villosa. Petala ovato-oblonga oblusa flava. Filamenta basi raonadelpho. Ovarii lobi acute gibbosi. Stylus gluber. Capsula? — Crescit in Cappadocia.

b) Folia omnia indivisa integerrima, baud carnosae, punctulata. Ovarium dense lanatum, sub indumento impresso-glandulosum.

13. H. MYRTIFOLIUM Doiss. Diagnos. I. p. 63. — Spach 1. c. 182. — Caulibus, inflorescentibus foliisque lanulosum subcanescens. Caules simplices. Folia epapillata subcoriacea obtusa, in petiolum angustata, inferiora obovata, superiora oblonga vel spatulato-oblonga. Cymae subbracteatae. Sepala ovata vel ovato-oblonga, obtusa, tarde decidua, dorso lanulosa, Petala ochroleuca ovalia obtusa, Ovarii lobi corniculo brevissimo recto vix indumentum superante appendiculati. Filamenta inferne anguste liguliformia. Capsula minuta, depressa-globosa, tomentella, sub indumento scrobiculata. Semina nigra reticulato-rugulosa. — Crescit in Tauria.
14. II. VULCANICUM Boiss. I. c. VIII. 126. — Spach 1. c. — Caulibus, innorescentibus foliisque glandulosis stipularibus viscido-puberulum. Caules simplices lictelli graciles. Folia subcoriacea, subtus conspicuo uninervia et subvenosa, margine costaque hirtella. inferiora spatulato-oblonga oblusa, reliqua lanceolata vel lanceolato-oblonga acuta. Cymae parce bracteatae, demum dissitiflorae. Sepala lineari-vel oblongo-lanceolata acuta villosa. Petala ochroleuca lineari-oblonga obtusa. Filamenta inferne anguste liguliformia. Ovarii lobi corniculo basi incurvo appendiculati. Capsula? — Crescit ad Lycaoniae montem Karadagh.
15. II. FRUTICULOSUM Juss. — Spach I. c. 183. — Caulibus, inflorescentibus foliisque subincano - lanulosum epapillosum. Caulos simplices vel varie ramulosi. Folia subsessilia coriacea obsolete uninervia, plerumque minuta (majora vix 7» poll, longa), inferiora obovata vel ovalia obtusa, caetera ovata vel ovato-oblonga vel oblonga, plerumque aculeosculi. Cymae subbracteatae, demum laxae. Sepala late ovata vel ovalia obtusa, dorso lanata. Petala elliptica obtusa flava. Filamenta inferne anguste liguliformia. Ovarii lobi corniculo elongato acuto inflexo appendiculati. Capsula.....? — *Ruta fruiiculosa* Labill. — Crescit in Syria.
16. II. VILLOSUM Juss. — Spach, III. pi. orient. I. 264. 8c Ann. sc. nat. I. c. — Caulibus, foliis inflorescentibusque magis minusve lanulosum (nonnumquam subincanum). Caules simplices aut corymboso - vel paniculato - ramosi. Folia tenuia uninervia, in petiolum longiusculum angustata, inflata spatulato - obovata oblusa, caetera spatulato vel lanceolato-lineararia vel lanceolato-oblonga vel lanceolata, vel obovato - oblonga obtusa vel acuta. Cymae subbracteatae, demum laxae et subdivaricatae. Sepala decidua oblonga vel ovalia oblusa, dorso lanulosa. Petala oblonga vel ovalia, obtusa flava. Filamenta inferne late liguliformia. Ovarii lobi corniculo subrecto brevi conico acuto subacrescente appendiculati. Capsula subglobosa, magis minusve hirtella, scrobiculata, profunde lobata, lobis medio dorso corniculo acuto subrecurvo cuspidatis. Semina perfecta ignota. — *Ruta Iberica iknariae folio* Tournef. — *Ruta Orientalis Linariae folio*, flore parvo Tournef. — *Ruta villosa* Bieberst. — *Ruta parviflora* Desf. Cor. Tournef. tab. 54. — Crescit in Iberia et Albania.

c) Ovarium sparse pilosum, dense vermicoso-glandulosum. Folia carnosae, crenata, conspicue tuberculato-glandulosa.

17. H. OBTUSIFOLIUM Ledeb. Flor. Ross. I. p. 490. — Spach 1. c. 184. - Caulibus,

foliis inflorescentiisque glaberrimum. Caulis simplices vel superne paniculati. Folia sessilia glauca obtusifolia, pinnata lincaria. Cymae subbracteatae, demum divaricatae et dissitiflorae. Calyx persistens minimus, profunde quinquelobus, lobis deltoidibus acutis. obsolete ciliolatis. Petala elliptico-oblonga. Stamina . . . ? Pistillum . . . ? Capsula glabra vel pilosella subglobosa verrucosa, lobis sub apice cuspidatis. — *Ruia obtusifolia* Ledeb. — (Wlprs. Reperl. I. 517. no. 1.) — Crescit ad marts Caspii lilus orientale.

Subdiviso 11 Ovarii lobi dense et aequaliter verrucoso-glandulosi exappendiculati.

a) Folia sessilia, pleraque trisecla, segmentis angustis. Filamenta libera. Caulis -vegetiores paniculati.

18. II. FILIFOLIUM Spach, Illustr. plant, orient, tab. 265. ft Ann. sc. nat. 1. cit. pag. 184. — Caulibus, foliis inflorescentiisque glaberrimum, glandulis crebris minutis (oculo nudo tamen conspicuis) verrucosum. Folia coriacea sessilia, segmentis crassis elongatis subfiliformibus plerumque supra canaliculatis. Sepala ovalia vel ovata obtusa glabra, mox decidua, a basi discreta. Petala oblonga obtusa flava. Pistillum glaberrimum. Capsula ? — Crescit in Persia.

19. H. HALEPENSE Spach 1. 1. c. c. tab. 266. ft p. 185. — Caulibus. inflorescentiis foliisque brevissime lanulosum, oculo nudo impunctum. Folia tenuia sessilia glaucescentia, segmentis spatulato-linearibus planis. Sepala ovalia oblusa glabra submembranacea, mox decidua, a basi discreta. Petala oblonga obtusa flava. Pistillum glaberrimum. Capsula ignota. — Crescit in Syria.

b) Folia petiolata, punctulata, variantia, nunc omnia indivisa, nunc alia indivisa, alia (modo crebriora, modo parviora) trisecla, segmentis spatulatis. Bracteae (mox deciduae) foliaceae, majores flores superantes. Filamenta libera.

20. II. DUXDAUMII Juss. — Spach, Ann. des scienc. natur. 1. c. — Caulibus, foliis inflorescentiisque* nunc glabrum, nunc magis minusve puberulum, punctulatum (sub lente). Folia (eorum segmenta) obovato- vel oblongo- vel lanceolato- spatulata vel lanceolata vel lanceolato-oblonga (speciminibus majoribus interdum lanceolato- vel spatulato-linearibus), oblusa (raro acuta) tenuia, uninnervia integerrima, obsolete venulosa, infima obovata. Cymae bracteosae, demum divaricatae et dissitiflorae. Calyx glaber vel extus lanosus persistens minimus, sepalis ovatis vel ovalibus obtusis. Petala oblonga vel ovalia obtusa flava. Pistillum glaberrimum. Stylus clavatus. Capsula depressa - orbicularis, profunde lobata verrucosa. Semina nigra, dense transverse rugulosa. — *Ruia Buxbaumii* Poir. — DC. Prodr. I. 711. — *Ruta linifolia* Sibth. ft Sm. — *fiuta spatulata* Sibth. et Sm. — *Ruia linifolia* p. Willd. — Crescit in Thracia et in Asia minore.

c) Folia uninnervia angusta punctulata, omnia indivisa integerrima. Bracteae submembranaceae vel coloratae (lutescentes) minimae. Filamenta libera vel monadelphae late liguliformia.

21. H. KOTSCHYI Spach I. cit. 186. — Staminiibus exceptis glabrum. Caulis vegetiores superne paniculati vel corymboso-ramulosi. Folia subcarnosa plana spatulato-linearibus in petiolum angustata. Cymae demum dissitiflorae. Calyx deciduus glaberrimus submembranaceus, sepalis ovalibus vel ovatis obtusis. basi concreta. Petala flava ovalia obtusissima. Filamenta basi monadelphia. Pistillum glabrum. Stylus clavatus. Capsula ? — *Il. dicholomum* var. *calyce glabro* Boiss. — Crescit in Persia australi.

^ H. VIRGATUM Spach, Illustr. plant, orient, tab. 267. ft Ann. 1. c. 186. — Staminiibus exceptis glabrum, sub lente punctulatum. Caulis (vegetiores racemoso- vel corymboso-ramulosi) graciles, ob folia pleraque minuta et remota superne quasi Qphylli. Folia carnosa plana, obsolete uninnervia, pleraque subfiliformia. Cymae demum dissitiflorae. Calyx glaber coriaceus, profunde quinquelobus, lobis deltoidibus

ovatis oblusissimis, margine membranaceis. Petala flava oblonga obtusa. Filamenta libera. Pistillum glaberrimum. Stylus subfiliformis. Capsula? — Crescit in Persia australi.

23. *H. CANALICULATUM* Boiss. *Diagnos. plant, or. nov.* VIII. 128. — *Jaub. ft Spach. III. plant. Orient, tab. 268. ft Ann. des scienc. natur. 1. c. 188.* — Glandulia punctifloribus oculo nudo conspicuis asperulum, exceptis staminibus glabrum. Caules remote foliati graciles elongati simplices, superne apiculati. Folia sessilia carnosa glauca spatulato-lineariter, supra plerumque canaliculata. Cymae densissimae contractae. Calyx profunde quinquelobus subcoriaceus, lobis ovatis obtusiusculis. Petala ovalia acutiuscula, brevissime unguiculata, in sicco ochroleuca. Filamenta libera. Pistillum glabrum. Stylus subfiliformis. Capsula? — Crescit in Persia australi.

d) Folia triplinervia (majora etiam quintuplinervia) magis minusve venosa, plana, lata, petiolata, conspicue punctulata, obsolete eroso-crenulata. Filamenta libera. Caules paniculati, inflorescentiae ramorum robustiorum innumeriflorae.

24. *H. ACUTIFOLIUM* Juss. — *Deless. Ic. select. III. t. 44.* — *Spach 1. c. 187.* — Caulibus, ramis foliisque glabrum asperulum. Caules albidi foliosi subfastigiato-ramosi. Folia lanceolata vel lanceolato-ovalia (caulina inferiora ovata vel ovalia), plerumque (vel saltem superiora) acuta. Cymae densae ramosissimae, etiam defloratae subcontractae floribus plerisque longe pedicellatis. Calyx persistens, profunde quinquelobus, lobis deltoideis acutis ciliolatis. Petala flava oblonga obtusa longiuscule unguiculata. Pistillum glabrum. Stylus clavatus, ovarii lobos paulo superans. Capsula minima subglobosa verruculosa, profunde lobata. Semina? — *Rula acutifolia* DC. 1. c. — Crescit in Persia.

25. *H. SIEVERSII* Fisch. — *Wlprs. Repert. II. 824. no. 1.* — *Spach 1. c.* — Caulibus, ramis foliisque glabrum asperulum. Caules albidi foliosi subfastigiato-ramosissimi. Folia lanceolato-oblonga vel lanceolato-ovalia, acuta crassa glauca. Cymae densiusculae ramosissimae. Flores minimi. Sepala lanceolata acuta ciliolata. Petala oblonga obtusa flava. Ovarium glabrum. Capsula? loculis monospermis. — *Ifaplophyllum perforation* Karel. et Kiril. — (*Wlprs. Repert. I. 518. DO. 16.*) — Crescit in montosis Soongariae.

26. *H. LATIFOLIUM* Kar. ft Kir. — *Wlprs. Repert. I. 519. no. 17.* — *Ledeb. Flor. Ross. I. p. 991.* — *Spach 1. c. 188.* — Caulibus, ramis foliisque glabrum, sublaevigatum (glandulis nempe minus quam in duabus praecedentibus speciebus prominentibus). Caulis albidi ramosissimi foliosi. Folia lanceolata-oblonga vel lanceolato-ovalia. acutiusculo glaucescentia. Cymae laxiusculae, parva ramosae, floribus plerisque longe pedicellatis. Flores pro genere inter maximos. Calyx profunde quinquelobus glaberrimus. lobis ovato-subrotundis obtusis. Petala ovalia obtusa flava. Pistillum glabrum. Capsula? — Crescit in Soongariae montibus Targabetai.

e) Folia uninervia avenia carnosa, simul ac caules ramisque glandulis prominentibus concavis (sub lente quasi annularibus) crassis verruculosa. margine magis minusve undujata et eroso-crenata. Filamenta libera vel monadelphica Jate liguliformia.

27. *H. TUBERCULATUM* Juss. *Mem. sur fes Rut. in Mém. du Mus. XVI. tab. 17. no. 10.* — *Jaub.* et Spach, III. plant. Orient, tab. 209. ft Ann. des sc. nat. 1. cit. 188.* (varietate floribus quidquam majoribus, ovario piloso.) — Modo glabrum, modo sparsim villosum, modo magis minusve lanulosum imoque subincanum. Caules foliosi, vegetiores corymboso-ramulosi vel paniculati. Folia lineari- vel oblongo- vel obovato- vel lanceolato-spatulata, vel obovata vel sublanceolata petiolata. Cymae tamen divaricatae et dissitiflorae. Calyx deciduus quinquepartitus, sepala ovata vel ovalia obtusa glabra, vel ciliolata. vel subius lanulosa. Petala ovalia vel subcordato-ovata vel ovata ovifera flava. Filamenta magis minusve monadelphica. Ovarium villosum vel glabrum. Capsula depresso-orbicularis, profunde lobata (ad 1/2 - 2/3), verruculosa. Semina laxa

- muriculata nigra. — *Haplophyllum luberculatum* Deless. Icon. sel. HI. tab. 48. — *Ruta tuberculata* Fortk. — *Ruta tuberculata* Yiv. — *Haplophyllum Arabicum* Boiss. Diagn. VIII. 127i — Crescit in Aegypto.
28. H. PROPINQUUM Spach 1. c. 189. — Laxe lanulosum. Caules foliosi, vegetiores paniculati. Folia petiolata, inferiora obovata, superiora obovato- vcl oblongo-spathulata. Cymae demum laxae divaricatae. Calyx quinquepartitus deciduus, sepala ovata vel ovato-lanceolata acuta ciliolata. Petala subcordato • oblonga obtusa flava. Filamenta libera. Pislillum glabrum. Capsula ? — Crescit in Babylonia.
29. H. CAKDOLLEAMJM Jaub. & Spach. III. plant, orient, tab. 270. 8c Ann. des scienc. natur. 1. c. — Magis minusve Innuginosum. Caules vegetiores paniculati vel corymboso-ramosi, ramis parce foliatis, superne aphyllis. Folia sessilia, pleraque spathulato-linearia. Cymae demum laxae divaricatae. Calyx persistens quinquepartitus, sepala oblonga vel ovato-oblonga obtusa, remote ciliolata. Petala oblonga obtusa flava. Filamenta basi monadelphae. Pislillum glabrum. Capsula depresso-orbicularis. profunde lobata (ultra medium), verruculosa. Semina glaucescentia, dense transverse rugosa. — *Ruta glabra* DC. — *Haplophyllum tuberculatum* Deless. 1. c. III. 26. tab. 43. — Crescit in Assyria.

Subgenus II. PEGANOIDES Spach.

Ovarii loculi [sepalis pelalisque (nunc tetra- nunc pentameris) pau* ciora, nempe 2 vel 3 (raro 4). Gynophorura elevatum, sub ovario in aiscum hemisphaericum incrassatum. — InDorescentiae normaliter pauciflorae.

30. H. DAVURICUM Juss. Mem. du Mus. XVI. 464. in adnot. — Spach 1. c. 190. — Suffruticulus habitu *Them* vel *Polygalae*, semipedalis vel humilior punctulatus. Caules simplices vel corymboso-ramulosi, virgati foliosi. Folia lanceolato- vel spathulato- vel oblongo-linearia subsessilia uninervia eroso-crenulata, plerumque acuta, Cymae plerumque simplices. (Caules macrores etiam occurrunt uniQori.) Pcdicelli filiformes clongaii. Calyx deciduus submembranaceus quinquepartitus, sepala ovata obtusa, margine lanulosa. Pelala oblonga obtusa ochroleuca mullipunctata, breviter unguiculaia. Filamenta libera, a basi ad 7, linearia et antice barbata, superne subulata. Ovarium glabrum, dense verruculosum. 2-vel 3-vel raro 4-loculare, loculis biovulatis, lobi exappndiculati. Stylus filiformis. Capsula ? — *Peganum Davuricum* Linn. — *Ruta Dahurica* DC. 1. c. 712. — Crescit in Siberia Altaica ac Transbaicalensi, nee non Davuria.

Species hand gatis notae*

- jj. CORDATUM G. Don. — *Ruta cordata* D. Don. — Greicil in Nepalia.
- H. DICHOTOMUM DC. (sub *Ruta*). — Crescit in Persia.
- H. DICHOTOMUM Griseb. — Forsan *H. Buxbaumii* foliis triseclis.
- JJ- J-ASIANTHUM Bnge. — Crescit in Soongaria.
- «. MNEARR DC. - An varietas *H. Davurici* Juss.?
- ii. *^{OX}GIFOLIUM Boiss. — Peraffine *H. luberculato* Juss. et *H. Candolleano* Spach.
- .. PUUFSCENS DC - Slirps bispanica dicitur. — An *H. Buxbaumii* Juss. foliis triseclis?
- JJ. REUTERI Boiss. - Crescit in Caria. Amne *H. pumilo* Boiss^ft *B. myrtifolio* Bofts.
- !}• ROBUSTUM Bnge. — Crescit in Soongaria.
- ii. SULPHUREUM Boiss. — Crescit in Caria. Affine *U. fruticoso*.

Ordo LV. ZANTHOXYLEAE Ad, Juss

(Wlps, Repeit I 519 II 825 V 398 Ann-1 I 156 a 96a — *Rutacemum a Tt c*
Lmthaceantm generi DC Prodi I 725 II 82)

5972 Z%]ITHIOXYIiLJI!E *Knth*

(DC Piodr 1 725 — Wlpr*: Repeit I 519 II *bio* V 39b Annal I 157 & 965)

I / RUBrSfENS Phnch in Hookci iSigci Floi i p% 270 — Rimis aculeatis **foliolis**
 cue i 11 subopposms o\ili oblongis lon^c icumimtis lmi aculis crebre pellucid)-
 puncUlis peliolo nculoito supi i onilicuhio Hoilm^ diclinis nnsclus pamcuhlis
 puvit itliimciis — FnUov oi^\ ills ramulis iijlenibus aculeis MIUIK comcis *rcile*
 iLllr\is ^cl ICCUVJS Fulioium potiolus> 8—9-pollicin<> Folioh I—3 poll lonon
)ollicem Ian labra niembinnacci Paucula imph bis icr\c ritemo-so-iamosa cbia
 etciti Floios (in spt(iminc) omnos ihoitu nnsclusi) in'i ilbidi pei 2—3 e lubei-
 < uli& SPCUS nno>> SCSMMU>> \cl pedunc ulalis orti pedjccello linom longo fulti Sc| nla
 (jiniuoi **IIIIIIIIII** oibicuhn Penla qmiuoi o\io cblongi lincim longi Staiuina
 quunoi pel **III*** subni quitongi OMNI mdimentum cainosum — Habitat in ^lgulla
 i L NATVLINSI- Hocli^t — Wlps Ropeit A 396 no * — Sondei LinndaXXIII
 24 f — *Omphalobium* * *discolor* Sond mss

5972/, TECL EA *belile*

(Wlprs Reprt V 397)

1 'T M)BII IS Dchlc — Wlps 1 c — A Rich Tent n Abyss I 126 tab 28

5975i I>IPET\I,L'TxII *DaizeU*

(DUzell in Hook Kcw gaid mi*c II 38)

C d W Coiollac petala 2, cifyce multo rnajora, profunae conca\ a,
 cupuhfoimia pellucido-punclali, aeslnatione imbricata Flores masculi
 stamina 6 o\iin ludjiDcnliun apice bifidum — Fructv mermis folns
 allernis Inioliolalis **loliolis** cljptico-Ianccolahs, acquahlei pelioIuJalis.
 utrinque acununalis labns, pellucido - punctatis, integiis, paniculis
 terminalibus

1 *D BILOCL\RL Dalzell I c — *Toddaha bilociilans* Wght a Am — Wlprs Re-
 peit bot svst I 522 no 1 a III Emend p 2 — In India oriental!

5975A I?IECJ\BOTR1À *Hance.*

(Hance PI nov Austi Glim diagn med p 14)

Hoies htrmaplnodili Calj\ mmutus, 5-dentatus Corollao petala
 5, hypo^na, callus fohohb alltiuu mtdio **iiilus** hnea lenuilu Mllosa
 jnsi^mta, oblonga uqualu csqu imal i a«sli\atione ^alvata Stami»^{ft}
 j, h>po£?>na, p(tii\is aUuu a 101u101a fliauKnla suhuhia, dense bar-
 Inh, anlluat mliorsae ma_cnac, o\alcs bibuilaio, **longitudina** I^^f

tklusccntes O\ana 4—5, in unum arete coakta Styh 5, teimmales, shnnnibus breuores Capsulae 4—5, bæ<?i coalitae, apice divergentes, punctulatae, suluia ctaliah dehiscentcs, cndocaipio cartilagineo solubili, intus pilosulo mono—dispumac Semina o\oiaeo-angulata, brunnc^ — Aiboi Clniunsis fohis oppositis pcliolahs exstipulalis> Impanpinnahs, 3—5-jiuis foliolis altunis Inte^cinmis ovalo-lanceolalis itutisMinis pcllucido-punclalis, supunc alro-urcdibus, subtus dilutionms, pluunique basi inatquihlmb c^mib tfummalibus densissimis tncliotoiiii^ piLiolis peduncuhbqui basi ailiculatis, subincras^atis

1 M MCI IVCFOLIV ITincc 1 c — Ihb in ins Hongkong- — Capsularum sapor ci coiliu* hmonis subsumli-

5977. PTEL, E\ Linn

(DC Prodr II 82 - \Mpis Repeat, I 523)

1 PT MOM IS Curtis in Scilichul Dot 7eit VIII n 529 — Foliola laterolia ovalia teiniunlia obo\ati apipe abiuplo icuto pagina infeuore, pctiolitt IIS pamcu ramisque junionbus mollitti seucco-Mllosis c^minim compactarum nmi breves stylo longo, 111miontis nnihoiib icqmnubus — Qmin/f *tnfuhata* in omni parte minor, stylo duplo l>ngioii slimimbus inplo quailiuplo\c minoribus folns ngulioiibus sepalisque valde dtciduis diffeit — *Pt tnfuhata p mollis* Toir a Gr (») — Habitat

5934 HETEROPHYLLEIA Turcz.

(Tui cz Bullet de la soc de Moscou XXI 591)

1. 'II C\RACASANA Turcz 1 c — *Hclei ocladus Caiacasanus* Turcz — Wlprs Annal I 160 no 1

Ordo LVI. SIHARUBACEAE *pianchon.*

(Planch in Wlpris Annal boi s>st I lbO)

III SIMAB.% *Aublel*

(Planch in Wlpris Annal I 162)

1 ^ CCDRON Pianchon in Hook Lond journ of bot M 566 — Wlpris I c 163 no 1 — Hook hew gard misc II 381 f tab 11 — Tiunco erecto. ramis subumbelato-capitalis loins longissimis pinnatis glabns sub-20-jugis cum impvi foliolis subconaceib olliptico-lanceolatis accumulais bæ>i obliquis laccims clongaiis compositis ramis luftscenii-subvelulinis drupis magnis ovalibus solitams — In legno Novo-Gratonsi

Ordo LVn. OCHNACEAE DC.

(Planchon in Wlprs. Annal. I. 175. — DC. Prodr. I. 785. — Wlprs. Repert. I. 525. 11.826. V. 399.)

(VII) 5959. OCHHTA Schreb.

(Planchon in Wlprs. Annal. I. 179.)

1. *O. ATROPURPUREA DC. Prodr. I. 736. - Lindl. ft Paxton. Flow. gard. I. pag. 127. fig. si. — Hook. Bot. Mflgaz. tab. 4519. — *Diporidinm atropurpureum* Wendl. — *Ochna arborea* Burch. in DC. I. c. 736. — *Ochna scvrufata* Hochst. mss. — *Ochna (Diporidium) Natalitia* Meisn. — Wlprs. Repert. II. 826. no. 1. — Wlprs. Annal. bot. syst. I. 181. no. 15. — *Ochna Delagoënsis* Eckl. 8c Zeyh. — Wlprs. Repert. I. 528. — Wlprs. Annal. bot. syst. I. 181. no. 16. — *Arbor Africana* Pluk. Aim. lab. 263. fig. 1. ft 2.
2. O. LEUCOPHLOEOS Hochst. mss. ex A. Rich. Tent. 0. Abyss. I. 129 tab. 29. — Foliis ovali-ellipticis, breviter petiolalis, apice acutis. margine subserratis glahris; floribus albis peilmiculatis. in pane superiori ramulorum anni praeieriii aggrrgalis; pedunculis simplicibus gracilibus unifloris; sepalis oblusis nervosis; petalis valde caducis; starainum 20 filnmenis persistentibus glnbris, sepalis dimidio minoribus; fructibus . . . ? — Crescit in ripis fluvii March in Abyssinia.

(VIII) 5953. GOMPHTA Schreb.

(Planchon in Wlprs! Annal. I. 181.)'

- J. G. VOGKLIH Hook. fl. Niger Flora p. 272. f — Foliis oblongo-lanceolatis acuminatis. bnsi in petiolum brevem angustatis, obscure sinuato-dentatis coriaceis, ulrinquo lucidig, venis e costa ascendentibus; panicula robusta, ramis infimis oblongis ascendentibus: calyce fructifero majusculo; carpellis 3—4 globosis, calyce inclusis, lobis dimidio brevioribus. — Fructus ramosus. rami teretes, cortice pallide brunneo. — In Iti* gritia.'
2. G. FLAVA Schum. ft Thonn. Beckr. Guin. pi. ex Planchon in Hook. Niger Flora 272. f— Foliis anguste elliptico-oblongis acuminatis, in petiolum angustatis argute serratis coriaceis planis rrticulatim venosis, venis primariis subremotis ascendentibus; panicula basi ramosa; carpellis calyce inlexo longioribus tcretibus, utrinque obtusis. — Folia 6-pollicaria, 2 unc. lala, petiolo ^XU unc. longo. — *G. macrocarpa* Hook. Ql. — Wlprs. Aunal. bot. syst. I. 182. no. 7. — In insula Fernando Po.
3. G. TURNERAK Hook. fl. I. c. 273. f — Foliis elliptico-oblongis vel angusto lineari-lanceolatis, in apicem longe acuminatis et in petiolum angustatis, valde coriaceis. obscure crenatis integerrimisve, utrinque lucidis lacvibus, venis inconspicuis; panicula clongata ramosa. ramis patentibus gracilibus; floribus ternis sublaseulaisve, pedicellis calyci aequilongis. — Folia elongata utrinque fusco-caslanea vel viridia, 4—6 unc. longa, 1/2—2 lata. in petiolum 'A unc. longum angustata. Panicula 6—8 unc. longa. ramis elongatis gracilibus. — Crescit in Sierra Leone.

) Disquisitionibus PLANCHONAMS supra citatis omnino neglectis ERHARD nota² sea valde incompletara bujus generis edidit synopsis (Flora B. Z. 1849. XXXJL p. 241. Q)² cujui species nova« propositas tantummodo enumeravi.

- 4 *G FALOPHYLLA* Hook fil 1 cit p 274 f — Folns obovato-lanceolatis. basi gradum angustatis abrupte aruminatis. rarius apice angustatis. marginibus undulatis, veis parallelis confertissimis. creberrime stnatis subnudiis, racemo laterali folns subaequilongos vel breviores. pedunculo compresso vel ancipiti, pedicellis gracilibus, lacinis caucinis post mihesim patulis carpellis subglobosis — Folia 5—7 unc longa, 1/2—1/3 lita — Crescit in Sierra Leone. Cnpo Coast et insula Fernando Po
- 5 *G AFFIMS* Hook fil I cit p 274 f — Folns oblongo-lanceolatis acumatis, basi angustatis mctnbranchis nitidis, majouhus undulato-crispatis imigemrais, neris parallelis. confer tissinus transversis, pampula terminali, ramis gincilibus angulatis. pedicellia subelongata, carpellis calyce longioribus globosis — Nilmai in insula Fernando Po
6. *G ISOPHYLLA* Grcke Linnaea XXII 57 f — Glaberrima folns elongato-obovatis acuii. aigute spinuloso-serratis. basi obtusis integris vel obsolete serratis, breviter petiolatis, 3/4—4 poll longis, 1—1 1/2 poll latis, racemis terminalibus, apice subsimplicibus, basi compositis, calycibus post anthesin reflexis, anthesi undulato-rugulosis, baccis subelliptico-obovatis. gynobasi clavata usdem aequicrasis vel paulo angustioribus — Habitat in Surinam prope Mario paslon locis arenosis
- ^ *G LATIFOLU* Erlud. Floia (B Z) XXXII p 343 — Pubescens folns latis petiolatis, in foliis latis ovalibus acuminatis serrulatis, superius oblongo-ellipticis acuminatis strulatis lacemis terminalibus et axillaribus densis, flonibus magis ovato crasso — Crescit in Chiquilos
- 3 *G PYCNOSTACIUS* Mart ross ex Erhard. 1 c 246 — Cortice cinereo. folns ovatis, margine revolutis subintegerrimis vel obsolete serratis, basi obtusis vel acutis, nonnumquam truncatis, petiolo crasso atro, mediana supra impressa. subtus prominente, nervis lateralibus supra omnino non, subtus parum visibilibus. pampulis terminalibus. rhachide ciliata, flonibus parvis confertissimis, paene glomeulatis, alabastris acuminatis conicis, sepaliis linearibus — Crescit prope Ilheos Brasiliae.
- 9 *G MOCROSTACIUS* Mart mss ex Erhard 1 i 246 — Differ! a praecedente folis laevibus. basi cordatis, rhachide multo longiore flexuosa, pampula laxa paucilora — Folns cum *G glaucescens* comparanda Bractene nigrae persistentes facillime noian hanc speciem — Crescit in Diamantina prope Ilheos
- 10 *G MACROSTACIUS* Erhrd 1 cit 248 — Folns ovalis vel oxato-lanceolatis acutis basi truncatis vel subcordatis, breviter petiolatis integerrimis pampula terminali recta, flonibus magis. alabastris late ovatis obtusis — Crescit in Brasiliae provincia Minas S Domingos-Chapada
- 11 *G GIGAMOPHYLLA* Erhrd 1 cit 250 — Maxima cortice rufo-tinereo, folns 1—2 longis late lanceolatis, in petiolum brevissimum angustatis, minutim acute serratis, acutis vel obtusis, acumine supraposito, mediana subtus prominente, nervis lateralibus ulnque ad angulum expressis, pampula pseudopleunca sive terminali subsimplici, rhachide crassissima flonibus magnis, alabastris obtuse ovatis — [Eadem ac *G. grandifolia* Planch I t 182 no 17 esse videtur] — Crescit in Brasilia.
- i< *G ITEODES* Erhrd 1 cit 251 — Cortice tenore cinereo, folns 1—2" longis subsessilibus integerrimis acuminatis lanceolatis, utrinque angustatis. stipulis subulatis 2—6" longis nilloimihus, aliquantum amplexicaulis, inflorescentia terminali paucipennis. flonibus panulis alabastris producte conicis — *Ochna* »lipulara Veil Flor Flum — Crescit in regione fluminae Fluminensis prope Rio Janeiro
- 13 *G SUBYHKTICILLATA* Erhrd. 1 cil. 254 — Folns oblongis vel lanceolatis. versus basin angustatis, apice obovatis, acumine supraposito, integerrimis, sessilibus vel subsessilibus, petiolo crasso, mediana supra prominente, nervis lateralibus arcuatis, valde conspicuis (axis intra foliola singula ita abbreviata delineata est, ut folia paene apparent cumulate in verticillos foliorum quaternorum — octonorum). pampulis terminalibus subsimplicibus racemosis, alabastris acuminatis conicis — Aellozo Flor Flum torn. V ab 89 — Crescit in Brasilia

Subtla & sis II.
CASYCIFIORAE.
 (DC Prodr II 2)

Ordo LIX. STAPHTLAEACEAE *Bartl*

(Wlpis Rupert I 529. II 82b. V 401, Annal I 183 - CELASTRNLARUM tnb. I. DC
 Piodi II Z)

5673 STAPHILAEA *linn.*

(DC Piodr II 2 — Wlpis Recept I 529)

- 1 ST SIMPLICIFOLIA Gudn. a (hanip m Hook Row gard mi»c I 309 — Tolns op-
 posite petiolatis sunplicibus hncoolatit \cl oboMto- oblongis icumiinii^, basi cunealis
 creljcrme calloso-senatis, pamculis termiualibus tiicbotomo-conmbosis, shliscoa-
 litis piloSi* — Fruic* ramosus glabounnu* Raini Uietes> Folia opposita simpdua
 petiokila lanccolata ACI obovato-oblonga acuminata, basi cuneata, marginc sub^e^ollta
 pennivencia, subtu<> pallida leticulala, supia viridia, 4½ — 5 poll longa, 15—2i Im
 lata, pctiolus subtus conveuis, supra canaliculalu-*, 4 lin longus Stipulae ad basin pctio-
 lorum rtuac ovatae, margmc scanosac ciliolatae, 2 lin longac deciduae Pamculac tci-
 mmales tncbotome coryuobosae, folio breviores Flores pedicclaii, pedicellis icrelibu^
 apico incias-)itJs, 2 lin lore longis, basi braccolatis, _biacitolis panis ovatis acuti&
 ciliolatis decidui') Calyx coloraius piofunde quinquupartilus, lacinus \alde inaequah-
 bus, 2 exlcnor nnnoribus, oblongi-s obtUMs, aestivaiione imbucati-j Coiollae petala
 quinque, sub disco hypogjno annulon decompicnato insoila, oblonga calycis lacinus
 alterna ct subacquilonga, aestivaiione imbiicata, sub anthesi crecta Stamina quinque
 rum petalis inscita, usdom alteina, flamentu complanaia puberula, antbraeiniorsae
 ovato - oblotjgac, basi coidatae, doiso adflxac, longitudinalitci dehi>centcs Ovona ma
 sessilia, ftic jicr lotam longiudincm coalita Ovula juxta sutuiam \cntialcm 8, biscnata
 horizontalu Styli tics fhformes coahli pilosiusculi. Sligmata subcapitata — Ciescit
 in msula Hongkone
- 2 ST (OLDHICA Steven, \nn deb bicenc. natui (Sei 3) XII 375 & Adnot bot p 13 f
 — Folns ternatis, foliolis o\aiis scrratis, una basi subtus puberalis, floribus racemo-
 »s siigmatibus subulato-lihformibus cap^ulac lobi> apicc dncigentibu*; — Crescit i^n
 Imerctia ad tonentcm *Lchenzqual*

f loon addenda.

ST. TRIFOLIA Linn — (DC 1 c. no 1) — Ton Flor. New \ork I 139. f tab. 19

Ordo IX CELASTRINEAE R. Br

(\lpr«! Repeit 1 529 II 827 \ 401 Annal I 188 a 96b - CELASTRINEARUM tnb II TVONYMEAC DC Prodr II 3)

5676 EVOHTYUrS Tournef.

(DC Prodr II 3 — Wlprs Rcpert I 530 11.827 V 401, Annal I 189)

1 'E AMERICANIS Linn - DC 1 c 4 no 6 — Toir Fl New York I 142 f tab 20

5678 CATHA Forsk.

(Wlprs Rcpert I 532 V 401, Annal I 189)

- 1 C rORSK\LII A Rich Tent n Abvs&imc I 134 f tab 30 — Caule frulicoso folns opposite mnus aliernis breviiei peiolatis conaceis elhpticis am elliptico-Janceolatis iculis basi smsim angusiaus margine serratis flonbus mimmis cymns parvulas trichotomis in avillis foliorum supouorum efformantiblis copsulis oblongis obtusis, 3-locuhnbus loculicide 3-\alvibus — *Catha* No 4 Forsk — *Tngonotheca serrata* Hoclist IISS — *Lclastrus edults* Vabl — Crescit ad pagum Abba-Genraa prope Adoua oi in prounua Choa in Abyssinia
- 2 C IHMIIVMII Giidn 8L Ciomp in Hook Kew gard misc I 310 — Inermis rami9 minute venucosi!> ramulis subflexuosis foliosis, folus alierms oblongis vel obovato-'' ellipticis neuminaiis basi acutis calloso-senalis supra nmdis pedunculis axillanbus loho tnplo bievioubus compiessis striatis apice subsoptemflons llonbus subcorymbosis broviter pedicellniis capsuld obovata subtnгона — Frutex scandens? Folia pennvema supra vindia subius pallida et grosse reticulata, 3 — 3^{*/a} poll longa, 15—20 hn hta, petiolus subtus convexus supra canaliculaLus Calyx quinquepartitus, lacinus late ovatis obtusis Petala oyato-oblonga obtusa Antherae ovatae, minute purpureo-punclatac biloculares, locuhs basi sejunctis, longitudinahter dehlscen tibus Capsula conacea subtnгона, 9 lin longa, loculicide tnvalvis, valvis demum iefle|<s abortu monosperma — *C monosperma* Benth — Crescit in insula Hong-Kong
- 3 f CUWINGIYMII Hook in Mitchell, Journal of li opical Australia pag 387 adnot - Inennis folns linean-lanceolatis ngidts mucronato - aculis integerrimis subfalcatis, superne lationbus basi in petiolum perbrevev attonuatis, flonbus axillanbus fasciculus pedunculis simplicibus vel racemosis bracteolatis — Ciescit in Australia orientah tropica

5679 CEL.ASTBIJS Knth

(DC Prodi 1(5 [ex p] - Wlprs Report I 533 II 827 V 401, Annal I 489 fit 966)

- 1 c EAURirOLIIUS A Rich Tent fl Abyssinic I 130 — Inermis ramulis teretibus glabru, fo]n_s altcmis breviter peiolatis oblongo - ellipticia aut lanceolatis, utnque iticnuatis margine obsolete serralis pallide yindibus, glabns, conaceis 2y₂—3 polh^ces longis 6—12 hneas latis, pedicellis uniflons 2—4 lineas longis glabns, m axilla folioium 2—5 fasciculatis capsulis globosis pisiformibus, colore rubigmoso glabns —
^{In} Ab\s^miac prov Cnr<5
^N (SLRI\|ius Hochst mss ex A Rich 1 c 131 — Spinosu^ ramulis puberulis, ^\u\i\i nudi, ice lib axillaubub folna alicini^ aut oppobiib bi evi^anno peiolatis ellip-

- ucis obtusiusculis aut acutis, basi parium attenuatis, margine acute serratis, superne vindibus, subtus pallidionibus, membranaccis, cymis axillanbus pedunculalis ramosis multiflons, folio dimidio bievionbus pubeulibus, lobibus dislantibus. capsulis globosis tncostatis, gloucescentibus — Cresot in Abyssimiae prouincia ChirC.
- 3 C. OBSCURUS A Rich 1 c — Ineimis aut spinosus spims axillanbus rectis, acutissimib, foil is pctiolatis, ovalibus aut ellipticis, acutis aut obtuse, obtuse serratis nut subcienatis, glabermis, cymis aullanbus donsiflons glabernmis, capsulis globoso-dopressis, obtuse tngonis, membranaccis, 3-loculanbus 3-valvibus — *C cdus* Hochst niss — (rescit in Abjssinia in paite occidentah moniis Aibate-Enscca et in encunumbus summis monlium Koubi et Semajata
- i C SCIIIMPCRI Hochst mss ex A Rich 1 t 132 - Subspmosus folns late ovahbus aculis, vix pctiolatis margine serrulalis connects, ulnnque globns subglaucis, spinis mns brevibus a\ilhnbus, cymis axillnibus, sacpius binis, dichotomis pubentibus, cjsulis obovdh-tngonis, lenuibus, subglaucis, 3-loculanbus invalubus, loculis 2-speinn> — Cr<it in locis siccis, collibus depieissis et vallibus prope Adoua in Abyssini
- 5 C ATKAIO A Rich 1 r — Spinosus ramulis teretibus pulverulentis, spims axillanbus longis rectis gracilibus, foliis breviter petiolalis elliptico-oblongis, sacpius oblusis, (onacLis ghbn, margine cienato-denlatis, pollicem aut sosquipollicem longis, 3—6 linear latia, cunis aullanbus, a basi dichotomic divanratis, folia acquantibus, pedunculis pedicelsque glandulosis, capsulis . 1 — Crescit in Abyssimao piovincia Choa
- h (ARKUTiROI IUS Hochst in*s ex A Rich 1 c 133 — Frutex dumosus spinosissinius spims rigid is reclis, foliis parvulis conaccis breMSSime petiolalis, ellipticis aut suborbicu/nrihus, apice basique obtusis, maigine inlegns aut subdenlalis, 3—7 lineas longis, 3—5 lineas latis, pedunculis axillanbus, parce ramosis et pauciflons, folia acqüdntibus aul \ix superanibus, capsula globoso - tnetra depressa pibifonni conaccd glabra rubra, sennnjbuyvoidejs mientibus — Crescit jn Abyssiiuae provincus Semiune Ouodgerale

5688. ELAEOBEHIRBROIV *Jcq.*

(DC. Prodr. II. 10 - Wlprs. Repeit. I 536. V. 402. Annal I 191)

- 1 E. ILICIFOLIUM Ten. Atti della terza numono 504. — Ramis teretibus verrucosis. folus ellipticis subsessilibus conaccis opposiis, margine cmlilaginco dcntaio-spmulosis cahcibus tetraphyllis, foliolis obtusis, corollis 4-petalis plams; siigmale truncato, diupa ovali, nuco biloculan. — *Ilex crocea* Hortul (non Thunb) — Habnat. . . . ?
- 2 E. MACULOSUM Lindl in Mitchell, Journal of tropical Australia pag. 384. adnot. — Inerme foliis lineanbus obovatis integernmis oblusis, pamculis termmalibus ultra folia erectis — Crescit in Australia onentali tropica.

5688A. CARYOSPEHHE Blume.

(Blumc, Mus. bot Lugd. Datav. p. 175)

Calyx cupularis quinquefidus persistens, cum corolla praefloratione valvan Pctala 5, sub disco pengyno depresso sinuato inserta, calycis lacmns alterna et majora, rflexa. Stamina 5, disci margim inserta, pet^hs alterna et bre\iora; filamenta subulata; antherae globoso-didy mae, introrsae, biloculares, longitudinahter dehiscentes. Ovanum disco semmersum, 3—4-loculare. Ovula in loculis sohtana, e basi ascendentia, anatropa. Stylus subnullus; stigma obiusum, obsolete 3—4-to'' bum Bacca globosa, 2—4-loculans. Semma in loculis sohtana, erecta, ovalia v subrotunda, dorso coinexa, ventre plana v. subangulata, mem* brana arilliformi angubtissime maiginata, testa nucamentacta, rugulosa-Embryon ? ~ Frutex Ambomensis erectus: folns alternis breviter

petiolatis oblongis acuminatis obsolete 8c remote serrulatis coriaceis glabris; stipulis lateralibus ovatis acuminatis; cymis in paniculis axillaribus laxis dispositis; floribus minutis virescentibus.

1. * C. MOLUCCANUM Blume 1. c. p. 176. no. 405. — In sylvis Amboinae crecit.

Ordo LXI. ILICINEAE A. Brogn.

(Wlprs. Report. I. 539. II. 828. V. 403, Annal. I. 192. & 966. — *Celastrmearttm* trib. 3. *Aquifoliaceae* DC. Prodr. II. 11.)

5705. IiEX Linn.

(DC. Prodr. II. 13. — Wlprs. Report. I. 540. II. 828. V. 403. Annal. I. 966.)

1. 'I. AMBIGUA Torr. Fl. of New York II.2. + — *Prinos ambiguus* Michx. Fl. N. Am. II. 23. — DC. I. c. 17. no. 2.
2. I. CELASTROIDES Kltzsch. Linnaea XXII. 58; (absque diagnosi.) — Glaberrima: foliis coriaceis obovatis, margine integerrimis et revolutis, subtus pallidis; floribus axillaribus fasciculatis; pedunculis petiolos superantibus; colyce quinquelobato, petalis quinis triplo brevioribus. — Frutex 12—15 ped. alt. — In fruticetis prope Paramaribo. (A. Garcke in lilt.)
3. I. CORNUTA Lindl. ft Paxt. Flow. gard. 1.43. fig. 27. — Foliis oblongis coriaceis marginalis, basi obtusis, apice truncatis, in planta vegetiore grosse sinuato-dentatis spinosis in adulla tricorribus integrisque; umbel 1k aiillaribus sessilibus; baccis 4-pyrenis. — In China septentrionali.
- 4.1. MICROCARPA Lindl. 8c Paxt. 1. c. fig. 28. — foia ovalibus Integerrimis petiolatis, utrinque acuiis glabris; umbellis pedunculatis petiolo brevioribus; fructibus tetrapyrrenis. — In China boreali.

t Ioones addendae.

- j. DENTICULATA Wall. - Wght. Illust. of Ind. bot. tab. 149.
 I. GARDNERIANA Wght. - Wght. Spicil. Neilgherr. II. lab. 140.
 I. WIGHTIANA Wall. - Wght. 1. c. tab. 139.

5706. PROTOS Linn.

(DC. Prodr. II. 16. — Wlprs. Report. I. 511.)

- * *PR. GLABER Linn. - DC. 1. c. 17. no. 8. - Torr. Fl. New York II. 4. tab. W.

5714. MTRARIA Linn.

(DC. Prodr. III. 456. - Jaub. ft Spach. Ann. sc. natur. [3. Ser.1 XIII. p. 21-04.)

- * *N. TRIDEI^TATA Dsf. - DC. 1. c. no. 2. — Jaub. ft Spach, Illustr. pi. orient. III. M. t tab. 293.
 * N. SERICEA Jaub. ft Spach 1. c. 142. f tab. 294. — Folia etiam adulta dense sericeo-incana simplac ramuli novelli et inflorescentiae, alia integerrima retusa, alia pi4—5-crenata; paniculae densiusculae, pedicellis crassiusculis, minus quam in praecedente specie elongatis; calycis 4obi subovatl obtusi, sligmale rotundato. — Persia?
 3. N. OLIVIEUI Jaub. ft Spach 1. c. 143. f |. 295. — Folia iniegprima v. retusa oblongo-spathulata, primaria pleraque gemina v. terna; inflorescemiae fastigiaiae, cymam scorpioida Qj 2—4-furcam sistentes; floribus sessilibus; petals glabris. — Persia?

Ordo LXII. RHAMNEAE R. Br.

(DC Prodr. II. 19. — Wlprs. Annal. I. 192. ft 966. — Monographia hujus ordinis REISECHIANA ante duo lustra abhinc a STEPHANO ENDMCHER indicita nondum in lucem prodit.)

5715. VEHTTIIAGO Grtnr.

(DC. Prodr. 11/38. — A. Brogn. Ann. sc. nat. X. 358.)

1. V. VIMINALIS Hook, in Mitlchell, Journal of tropical Australia p. 369. adnot. — Foliis anguste elongato-lanceolatis integerrimis, nervis costae parallelis; paniculis axillaribus terminalibusque. — Crescit in Australia orientali tropica.

5716. PAI.IURUS Tournef.

(DC Prodr. II. 22.)

1. P. TEXANUS Scheele, Linnaea XXI. 594. f — Frutex ramosissimus erectus. Rami divaricati angulati striati cinereo-albi tuberculati, tubercula purpurea: ramuli apice spinescentes, spina terminalis rigida. Glandula purpurea glabra e basi latiori abrupte attenuata ad basin ramulorum. Folia petiolata atherna ovata vel ovato-oblonga. appresse et obsolete serrata obtusa mucronata, utrinque glabra, subtus pallidii uninervia, venis anastomosantibus. Petiolus viscidulo-pubescenti canaliculatus. folio triplo brevior. Stipula purpurea glanduliformis a basi late ovata acuminata ad basin petioli. Cymae axillares breves pedunculatae, petiolo paulo longiores. Pedicelli canescentes flore longiores. Flores polygami peniameri. Calyx deplanatus canescens quinquefidus, lobi triangulati patentes decidui petalis longiores, basis persistens. Petala 5. lobis calycinis alterna convoluta subrotundo-spaiulata emarginata disco inseria. Stamina 5 disco inseria petalorum longitudine; antherae biloculares. Stylus bifidus, siaminibus multo brevior. Drupa? — Crescit in Texas in gyfrit.

5717. ZIZYPHUS Tournef.

(DC. Prodr. II. 19. — Wlprs. Annal. I. 192.)

1. Z. ABYSSINICUS Hochst. mss. ex A. Rich. Tent. A. Abyss. I. 136. — Aculeis geminis. basi latis. altero recto, altero recurvo-ascendente: foliis breviter petiolatis ovalibus acutis, basi maxime inaequilateris 3-nerviis, subtus albido- aut subferrugineo-tomentosis, margine subserratis; cymis parvis densifloris tomentosissimis axillaribus subsessilibus; petalis obovalibus calycem tomentosum aequantibus; disco depresso superne 10-foveolato pentagono; drupa ovoidea subsicca. nuce biloculari, 2-sperma foeto. — Z. xylopyrus Hochst. mss. — Crescit inter Debra-Sioa et Maye-Gouagou e^prope Tche'atch'kane' in Abyssinia.
2. Z. MITIS A. R. Jcb. I. c. 137. — Inermis: foliis petiolatis, late ovalibus acutis subacuminatis, margine obsolete serratis, coriaceis, utrinque glabris. basi aequilateralibus, 3-nerviis, sesquiunciam ad 2 uncias longis, 12—15 lineas latis; fructibus numerosis globosis parvis (crassitie uvae minoris) rubellis, nuce ossea biloculari. — Crescit in Abyssinia provincia Choa.
3. Z. LYCIOIDES Asa Gray. Bost. Journ. VI. 168. adnot. f — Glabrata: ramis vix spinosis; foliis oblongo-linearibus parvis integerrimis coriaceis; pedunculis brevissimis 3—5-floris; drupa subglobosa monosperma. — Crescit in repub. Texensi.

5722. **RHAMNUS** *Juss.*

(DC. Prodr. II. 23. — Wlprs. Annal. I. 192.)

1. RH. CORMFOLIA Boiss. ft. Ilohen. Diagnos. plant. orient. nov. IX. p. 1. — Planta sub hoc nomine in planis ifeldreichianis Anatohcis e monte Geidagh Isauriae distributa ad hanc speciem non pertinet sed ad *Rh. Sibthorpiantum* R. ft. Sch. s. *Rh. pubescentem* Fl. Græc. (non Poirel) —, qui in rupibus quoque calcareis Libani crescit.
2. RH. PAUCIFLORUS Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 137. — Ramulis puberulis; foliis beieromorphis petiolatis ellipticis ovalibus, apice acuminatis acutissimis, margine subserratis, basi obtusis, utrinque glabris, in axilla nervorum primariorum piloso-foveolatis. 2% — 3 uncias longis, 10—15 lineas latis; floribus pedunculatis. axillaribus, pedunculis unifloris; calyce carapanulato - expanso, 5-fido, laciniis ovaliaculis: fructu obovato, in centro depresso, glabro, 5-nuculato. — Crescit in Abyssiniae provincia Chire, in provincia Choho ei in provincia Semiene prope Add'silam.
3. RH. SPICIFLORUS A. Rich. 1. c. 138. — Ramis elongatis virgatis, cortice gnæo laeti oblectis pubentibus. ramulis auboppositis, apice spuescentibus foliosis; foliis altero aut suboppositis brevissime petiolatis (petiolo pubenti) ovalibus acutis aut obtusis coriaceis, integris. 5—8 lineas longis, 4—8 lineas latis; floribus parvulis. axillaribus. subsessilibus, solitariis, aut spicam brevem paucifloram pubentem axillarem efformantibus; calycis laciniis 5 ovalibus subacutis; fructu pisiformi subgloboso obtuso 3-pyreno. — In Abyssinia.
4. RH. SLADDO A. Rich. 1. c. — Ramis crassis nigricantibus glabris, ramulis apice spinescentibus. foliis creberrimis obovato-oblongis obtusis, rarius acutis, basi sensim attenuatis, membraoaceis crenatis glabriusculis, fere uociam longis, 4—6 lineas latis; floribus pedicellatis. pedicellis 1-floris. in ramulo crasso brevi squamoso axillari spicalim dispositis glabris; calycis laciniis 4, semiovibus, aculis 3-nerviis; peialis minimis hneanbus; ovario 3-oculari; aligmatibus J^— Crescit in Abyssiniae provincia Ouodgerale in pratis allis prope Assiela.
5. RH. TOMENTELLUS finth. Plant. Hartweg. 303. no. 1686. — Inermis erectus flavicanti-tomeniellus: foliis perennantibus oblongis acuminatis integerrimis. margine recurvis; fasciculis multifloris pedunculatis. — Frutex octopedalis, Aft. *oleaefolto* similis, sed primo intuitu distinguitur ramulis, foHorum pagina inferiore et inflorescentia tomento brevi flavicante obductis. Folia alterna 1'/i—2'A poll, longa. 6—9 lin. lata. supra fere glabra, venis pinnatis subtus prominulis, basi obtusa. apice in acumen breve obtuquusculum taepius producta. Petioli 2—4 lin. longi. Slipulae parvae angustae, cito deciduae. Pedunculi axillares a semipollice usque ad duas fere pollices longi, apice cymam ferunt in fasciculum contractum ultra 20 - florum. Pedicelli 2 lin. lQngi. Flores iis *Rh. oleaefolii* paulo mioores, ia eodem fasciculo alii tetrameri. alii pentameri. Petala late obcordata, laciniis calycinis dimidio breviora. Ovarium biloculate, stylo brevi profunde bifido. — Crescit in Californiae montibus Sacramento.

5726. . **CEASTOTHIJS** *Linn.*

(DC. Prodr. II. 31. — Wlprs. Annal. I. 193.)

- * C. FENDLERI A. Gray, Plant. Fendler. 29. no. 106. — Intricate-ramosissimus: ramis ramulisque teretibus gracilibus saepe spinescentibus cinereo-puberulis, demum glabris laevibus; foliis parvulis (Vi—V* unc. longis) ovalibus «eu ellipticis obtusis integerrimis eglandulosis trinerviis. subtus sericeo-caesceis, supra glabriusculis viridibus; glomerulis densis sessilibus; floribus glabris atbis. — Crescit in Nova Mexico.
- ? C. PROSTRATUS Both. Plant. Hartw. 302. no. 1683. — Fruticulus prostratus glaber restuosus; foliis oppositis enneatis. apice spiculoso-tridentatis coriaceis obscure penninerviis; thyraxis brevibus subumbelliformibus. — Fruticulus ramosissimus rigidus, in terrain prostratus. Rami et folia omnia opposita. Ramuli junioros subangulati, demum teretes. Stipulae anguste lanceolatae acutae fuscae. linea breviorw. Folia 6—9 lin. longa, basi in petiolum brevem angustata. versus apicem divisa in dentea lobos tres spinescenti-angulares, quorum Iniermedius vulgo laior. caeterum

mtgegerrima. crasse coriacea. Venae laterales in folio juniore iis *C. cuneati* similes, sed in adultiore vix conspicuae sum, et pagina inferior etsj. pallidn vix canescit. Ramuli floriferi 1 — l'A-pollicares, basi raro instructi foliorum pari ramealibus conformium. saepius aphylli, folia neropc fiomlin cum stipulis concrete et mutota in bracteas orbiculatas concavas membranaccas dcciduas tVj—2 lin. longas. Nodi floriferi dilatati, in quovis ramulo 1—2, quorum uliimus pedicellos cmiltit circa 6 graciles, 4—6 lin. longos, et inferior pedicellos similes 2 vel 3. Rarius pars Qorifera ramuli elongatur et nodos praebet floriferos plurimos approximatos paucifloro9. Flores caerulei magnitudine *C. cuneali*. Ovarium glandulis tribus elevatis coronatum. — Crescit in Californiae montibus Sacramento.

t Icones addendae.

- C. DENTATUS Torr. ft Gr. — Lindl. 8c Past. Flow. gard. I. 17. tab. 4. — Van Houtte, Flore des scrres VI. 103. tab. 567.
 C. OVALIS Bigelow — Torr. Fl. New York I. 145. + tab. 20.
 C. PAPILLOSUS Torr. fit Gr. — Van Houtte 1. c. — Paxt. fit Lindl. 1. c. I. 74; fig. 50.
 C. RIGIDUS Nutt. - Lindl. ft Paxt. 1. c. I. 74. flg. 51.

5728. COIiUBRIMA L. C. Rich.

(Brogn. Ann. sc. nat. X. 368. tab. 15. fig. 3.)

1. C. TEXENSIS A. Gray, Bost. Journ. VI. 169. — Caule ramosissimo; ramulis divaricatis coriaccis; foliis elliptico-cuneatis oblongisve glanduloso-denticulatis breviter petiolatis alternis. plerumque in nodos fasciculatis. supra pubescentibus, nunc glabratis, subtus sericeo - villosis fulvis penninerviis, basi trinervatis; pedunculis fasciculalis paucis. petiolo longionbu? calyceque (laciniis patentibus) villosis. — *Rhamnus* (?) *Texensi** Torr. 8: Gray, F). N. Am. I. 263. — Crescil in republics Tezensi.

5742. CRTFTAHDRA Sm.

(DC. Prodr. II. 38. — Wlprs. Annal. I. 195.)

Sect. f. *EUCRYPTANDRA* Reiss. in Lehm. Plant. Preiss. II. 285. Discus distinctus subrolundus quinquecrenatus tomentosus.

1. CR. SCOPARIA Reiss. in Lehm. Plant. Preis. II. 285. f — Ramulis subQexuosis pateotibus tenuissime pubescentibus calvescentibus; foliis lineora vel 3 lineas longis uninerviis linearibus, marginibus revolutis. supra subpubescentibus demum glabris. subtus tomentellis subconcoloribus, stipulis setaceis; floribus glomeratis; bracieis calyce campanulato ad limbi lacimas extus pubescente duplo brevioribus. — In Nova HoJlandia ad urbera Perth.
2. CR. DIVARICATA Reiss. 1. c. 286. + — Ramulis subflexuosis divaricalis tenuissime puberulis calvescentibus; foliis llineam vel 2 lineas longis uninerviis linearibus. marginibus revolutis conduplicatis, supra tenuissime glanduloso-puberuiis, subtus tomed* telJis, stipulis setaceo- acuminatis; floribus ad ramulorum apicem spicato- et glomerato-approximalis; bracteis calyce campanulato, infeine tenuissime, superne densius tomen* tello 4-plo brevioribus; stylo glabro. — In Nova Hollandia interior! ausiro-occldeniatf*
- 3- CR. TOMENTOSA Lindl. mss. PI Reiss. I. c. f — Ramulis patentibus tenuissime tomentellis calvescentibus; foliis lineam vel 2 lineas longis uninerviis linearibus, marginibus revolutis conduplicatis. supra dense tenuiter puberulis. subtus tomentosis, slipulis ** taceo-acuminatis: floribus ad ramulorum apicem spicato- et glomerato - approximate* hracteis calyce campanulato, inferne tomentoso, superne tomentoso-piloso triplo bre* vioribus; shlo basi pubescente. — *Cr. nutans* Steud. m Lehm. PI. Preiss. I. : *glabrata* Sonder nrss. foliis ghibrescentibus. - *Cr. oxyphylla* Steud. mss. - In Nova HolUndia jnlteriori ausiro-oc'dentali.

4. CR. PUNGENS Steud. 1. c. — Reiss. 1. c. 367. f — Ramulis ditaricatis aubulato - spinulentibus, spinis patentibus Tel subrecurvis pubemlis calvescentibus; foliis bi—trilinearibusque uninerviis linearibus. marginibus revolutis subconduplicatis, supra glabris verniculosis, subtus albo - tomentosis, stipulis lineari-setaceis; floribus ad spinae fasciculatis; bracteis calyce tubuloso - infundibuliformi tomentoso multoties brevioribus, pedicellos tegentibus; stylo glabro. — *Cr. holostyla* Steud. 1. c. — In Nova Hollandia ad fl. Cygnorum.
5. GR. LEUCOPOGON Meisn. mss. ex Reiss. 1. c. f — Ramulis sirictiusculis puberulis demum glabris; foliis subfasciculatis usque 2 lineas longis linearibus roimdato-obtusis, margine revolutis subcomplicatis, supra glabris, subtus tomentosis, stipulis obsolete; floribus sparsis subsoliariis; calycis tubo glabro bracteis imbricatis adpressis incluso et cupulato, laciniis albo-tomentosis apice sericeo-plumosis. — In Nova Hollandia ad fl. Gordon.
6. CR? MILIARIS Reiss. 1. c. 288, f — Foliis linearibus, margine revolutis subfasciculatis; floribus spicato - approximatis; calyce tubuloso - campanulato, disco tenui glabro. — *Cr. lasiophylla* Steud. 1. c. — *Cr. glabrata* Steud. 1. c. — In Nova Hollandia.

Sect. II. SOLENANDRA Reiss. 1. c. 288. Discus indistinctus, germen strato tenui obvestiens glaber.

- * 7. CR. POMADERROIDES Reiss. 1. c. f ft Nov. stirp. decad. no. 36.
- B. CR. CORONATA Reiss. 1. c. 288. f — Ramulis subtomentellis calvescentibus hie inde innovantibus, innovatioibus brevibus subflagellaribus; foliis ad apicem ramulorum confertioribus subverticillatis cuneatis. apice truncato tridentatis, utrinque tomentosis; floribus glomerato - subcapitatis terminalibus; calyce cano - tomentoso. — In Nova Hollandia ad fl. Cygnorum.
9. *CR. TRIDENTATA Steud. 1. c. — Reiss. I. c. 289. f
 a. *pubescens*: ramis brevioribus distortis nodosis, foliis minoribus subtus juventute pubescentibus v. tomentellis, demum glabris. — *Cr. tridentata* Steud. 1. c.
 #» ' p. *tomentosa*: ramis gracilioribus, foliis majoribus, subtus tomentellis albidis, tomento persistente.

Sect. in. CORISANDRA Reiss. 1. c. 289. Discus ambitu et centro margine liber, sinuosus.

10. CR. MUTILA N. ab. E. mss. ex Reiss. 1. c. 289. f — Ramulis pubescentibus subspinulentibus; foliis linearibus, margine revolutis scabriusculis; floribus binis quaternisve fasciculatis, fasciculis ad ramulorum apicem saepe approximatis racemum mentientibus; calyce glabro campanulato. — In Novae Hollandiae distr. Penh.

5742A. WICHVBAfiA N. ab E.

(N. ab E. mss. ex Reiss. in Lebm. Plant. Preiss. II. 290.)

fr^{*^} (tul)^o cylindraco-subconico, basi inflato, libero[^] limbi quinquetidi Jaciniis triangulis, acutis. Corollae petala quinque. limbi incieus[!] inserta, brevissime unguiculata, foraicato-galeate. Stamina petalis[»] inciusa, filamenla subulata, incurva ad tubi fundum decurrentia. anthe[»]æ dorso medio fixae, biloculares cordiformes, oculis oppositis, superne confluentibus, longitudinaliter latere dehiscentibus. Discus annu[!]ant[!]tr perigyno - epigynus, quinquelobus, lobis[!]liberis germiui incum[!]entibus postice sinuatis, tomentosis, marginibus loborum applicatis. bertnen semiliberum, triloculare. Gemmulae in oculis solitariae, subsessiles. stylus distinctus, subcylindricus, faucem superans, stigma tri^{ae}niatum. Capsula supera, calyce corollae persistente involuta, stylo^{COro}nata, disco expanso annulari elobo basi-cincta, ovoideo-globosa, yembranaceo-Crustacea, trilocularis septicida. Carpodia cocciformia,^{ao}8o convexa, ventre angulata, sulura ventrali tota longitudine et dor-

sali ad medium fissa bivalvia. Semina in loculis solitaria. — Fruticuli Novae Hollandiae austro-occidentalis, ericaeformes, pyramidaliter ramosissimi: ramulis subspinescentibus; foliis alternis, subfasciculatis, oblongo-linearibus, uninerviis, margine revolutis, stipulis scariosis persistentibus; floribus ad ramulorum apicem approximatis, subsessilibus, bractearum scariosarum imbricarum capsula cinctis, glabris, albis.

1. W. ARBUTIFLORA N. ab E. mss. ex Reiss. 1. c. — Foliis lineari-oblongis. margine revolutis subconduplicatis hirtis, demum glabris; calycis conico-ovoidei limbo erecto: petalis fornicato-galeatis; stigmate trideniato. — *Cryptandra arbutiflora* Fail, in Endl. Pl. Hügel. 26. — In Nova Hollandia ad fl. Cygnorum.
2. W. TUBULOSA N. ab E. mss. ex Reiss. 1. c. 291. — Foliis lineari-oblongis, margine revolutis, saepe subconduplicatis glaberrimis; calycis cylindraco-conici limbo revoluti; petalis fornicato-cucullatis; stigmate obsolete trilobo. — *Cryptandra tubulosa* Fenzl. 1. c. — In Nova Hollandia ad fl. Cygnorum.

5744. TRYMAXIFM Fenzl.

(Fenzl. in Endl. Enum. pi. Hügel. 20.)

Sect. I. *EUTRYMALW* Reissejt in Lehm. Plant. Preiss. II. 279. — Discus* quinquepartitus, lobis subdistinctis liberis, laciniis calycis superpositis, in fructu persistentibus remotis.

1. TR. GLOBULOSUM Fenzl. 1. c. — Reiss. 1. c. 279. f — Ramulis junioribus stellato-tomentellis calvescentibus; foliis ellipticis lanceolatis oblongisque, supra glabris, subtus tomentoso-canis; cymis divaricatis pedicellis glomerato-capitatis; petalis longe uogiculatis; calycis fructiferi laciniis conniventibus. — *Pomaderris polyantha* Steud. in Lehm. Plant. Preiss. I. 182. — *P. pyrrophylla* Steud. 1. c. — *Pomad. aemula* Sleud. 1. c. — *P. globosa* G. Don in Loud. Hort. Brit. 84. — *Ceanothus globosus* Labill. NOT. Holl. I. 61. t. 85. — In Nova Hollandia.
2. TR. ALBICANS Reiss. 1. c. 280. + — Ramulis junioribus striato-angulatis subferrugineo-tomentellis, demum canis calvescentibus; foliis ellipticis, supra tenuiter velutiosis subtus tomentosis albicantibus; cymis divaricatis. — *Pomaderris albicans* Steud. !• Ct 484. — In Nova Hollandia (Elizamontagne).
3. TR. SPADICEUM Fenzl. 1. c. — Heiss. 1. c. — Ramulis junioribus pilis simplicibus*^{td} latisque tomentosis cinerascensibus; foliis oblongis ovato-oblongis ovalibusque obtusis¹ retusisque, supra tenuiter velutinis, subtus villosis - tomentosis vix semiuncialibus; ^{ca*} pitulis bracteis scariosis orbicularibus cinctis cymoso-glomeratis. — *Pomaderris MC suta* Steud. 1. c. 184. — In Nova Hollandia.

Sect. II. *TRYMALINA* Reiss. 1. c. 280. — Discus annularis quinquelobus* lobis laciniis calycinis superpositis truncatis profunde quinquesinuatis* persistens, fructum ciuens.

f Floret cymosi v. glomerati.

4. TR. MAJORANAEFOLIUM Fenzl. 1. c. 21. — Reiss. 1. c. 281. f — Ramulis junioribus villosis tomentosis incanis; foliis unguicularibus brevioribusque late ovalibus et orbiculatis coriaceis, subtus villosis - tomentosis incanis; floribus dense glomeratis, profunde 5-lobis.
 «* velutinum: foliis adultis utrinque tomentosis, supra velutinis cinerascensibus»
 — *Pomaderris commixta* Steud. 1. c. 184.
 p* calvescens: foliis adultis supra glaberrimis laevibus. — *Pomadeiris subrotunda* Sleud. I. c. 183 « in Nova Hollandia.
5. TR. BREVIFOLIUM Reiss. 1. e. f — Ramulis tomentosis ferrugineis densius villosis; foliis uncialibus, late ovalibus et suborbiculatis. supremis nummularifloris; lobis profunde 5-lobis; floribus dense glomeratis, profunde 5-lobis.

ittosft- subfattlgiatfe, cjmis glomewlffiris. disco profuade 5*lobo. lobls ~~subquadratis~~. —
ta.N<mt HoHwwKa intwiori austro-occidentals

ft *Flores racemosi, corymbosi v. paniculatt.*

6. TR. WICHURAE N. ab E. mss. ex Reiss. 1. c. 281. + — Fruticulosum: ramulis apice tomentellis; foliis bi—trilinearibusque toevissimis petiolatis cuneatis, utrijpque dense torn en to si s pannosis canescentibus; floribus subcorymbosia; fructibus solilariis geminisve infris* calyce, corolla starninibusque persistentibus. coronatis, coccis tpta lonftitUdine bianiibus. — In Nova Hoi land ia (York).
- 7(TR. BILLARDIERI Fenzl. 1. c. 25. — Reiss. 1. c. 282. f — Ramulis tomentellis villosisve demum calvesceniibus; foliis semi- vel pollicuribus oblongis ellipiicis obovaiisve, supra glabris hirsutisve, subtus tomenlosis cam's, demum saepe calvescentibus; paniculis oblpngis muliifloris; calycis limbo patenti-reflexo, sUlo triparlito; capsula obverse ovoidea, veriice hispidula.
- a* *tomentowm*: foliis subtus tomentos. — Tr. *expansum* Steud. iaLehm. Plant: Preiss. I. 185. — *Tr. flonbundum* Steud. 1. c.
- p. *calvescens*: foliis adultis utrinque glabratis, — In Nova Hollandia ad fl. Cygnorum.
8. TR. LEDIFOLIUM Fenzl. 1. c. 24. — Reiss. 1. c. f — Ramulis puberulis calvescentibus: foliis subconfertis semipollicaribusque late linearibus et linean - oblongis integris, margine rovoluiis obtusis retusisve, supra glabris, subtus albido-tomenlosis; racemis subthyrsoideis; calycis mbo puberulo, limbo patulo; germine glabro, stylo obsolete trilobo; capsulis subinferis. — *Or. floribunda, glaucophylla, anomala* Steudefl. c. 186. — la Nova Hollandia ad fl. Cygnorum.
9. TR. ROSMAIUNGOLIUM Reiss. 1. c. 283. + — Ramulis puberulis canis calvesceniibus; foliis subconferlis semipollicaribus lineari-subcuneaUs sublanceolatisve obtusis, m'argine revolulis, supra glabris, subtus villosa-vel sericeo-tomentosis; racemis thyrssisve fasciculigeris; calycis tubo puberulo. — *Pomaderris romarinifolia* Sleud. 1. c. 184. — In tyova Mollandia (Planiagenei).
10. frl. DAPHIMFOLIUM Reiss. 1. c. f — Ramulis pilis simplicibus stellatisque tomentellis calvesceniibus, foliis semipollicaribus oblongis et oblongo-lanceolatis, margine subrevolutis, supra juventute puberulis, subtus albido- vel subOavo-tomentosis; paniculis oblongis; calycis tubo tomemoso, limbo pubescente, stylo ultra medium bifido; capsulis subsuperis. — In Nova Hollandia ad fl. Cygnorum.
11. TR. WESTRINGIAEFOUUM Reiss. 1. c.*284. f - Ramulis tomeptQllia cinereTs calveacentibus; foliis semi-vel bipollicaribus subcuneato- lanceolatis"obtusis, supra glabris, subtus villosa-tomenlosis; racemis usque pollicaribus subffiyr&oideis fasciouligeris. calyce pubescente. — *Pomaderrit w^tringiaefolia* Steud. 1. c, * In Nova Hollandia.

Sect. II{. PETALA TRILOBA.

- ^ TR. ANGUSTIFOLIUM Reiss. 1. c. 284. f — Foliis trilinearibus usque semionoitthiis lineittibus, margine subrevolutis, supra binis, subtus tomentoris; cymuUs axillaribus folio brevioribus bi—quinquefloris; cañce basi villosa, disco tnnulariS-plicalo; stylo Biaplici. -- in Nova Hollandia ad fl. Cygnorum.

5745. HOBMHTUS E, Meyer.

(E. Mey. mas. ex Eadj. 1: o.)

- " H. SCANOENS A. Rich. Tent. fl. Abyss. I. 139. tab. 31. — Ramis virgatis flagellifor-
mibus fulvo-tome^toshi. cirria axillaribus simplicibus; foliis petiolatis ovalibus obtu-
sis mucronulatis, basi obtusis autyiimarginato-cordiformibus, inlegris, superne
glabris, subtus sericeo* tomentoeis; cymis pedunculatis axillaribus am terminalibus
tomentosis; ftjuctibus obovoideis, apice limbo caljeino deciduo circumscriptis, 3-coecis.

coccis chartaceis 1-spermis, angulo interno bivalvibus. — *Willemetia scandeng* Eckl. ft Zeyh. — *Rhamnus mystacinus* Ait. — Crescit ia Abyssiniae provincia Tigre*. inter Adoua et Nemessah,

5746. fttAITIA Jcq.

(DC. Prodr. II. 38. — Wlprs. Annal. I. 196.)

1. G. BLANCHETIANA Miqu. Linnaea XXII. 797. f — Ramulis foliisque supra sparsissime, his subtus in nervis, peliolis racemisque paulo densius hinello - pubescentibus; foliis ovato-obloqgis subabrupte breviter obtuse aouminalis, basi rotundatis, marginibus leviter incurvis glanduloso-serratis, venis costalibus quinis senisve ascendeniibus parallelis, subtus prominentibus, supra sulcalis; racemis compositis ramulos terrainantibus confertis; bracteis Iffnceolalis; floribus brevissime pediccllatis; pedicellis cum calyce substrigilloso-hirtellis.; pelalis glabris subcucullato-concavis; antheris ellipsoideis; filamentis breviter persistentibus. — Grescit in Jirnsiliae provincia Bahia.

Ordo LXIII. HAMAMELIDACEAE *Gardn.*

Gardn. in Hook. Kew gard. misc. I. 321. — *Druniaceae* R. Br. — DC. Prodr. II. 43. — Wlprs. Report. I. 543, Annal. 1.196. — *Hamamelidcae* R. Br. — DO. Prodr. IV. ^67.— Wlprs. Repert. II. 434. 940. V. 928. Annal. I. 982. — *Balsamifluae* Blume, Flor: Jav. fasc. XVII. XVIII.)

Frutices vel arbusculae, rarius arbores vasiae: ramulis teretifcus saepe pube stellata conspersis. Folia alterna petiolata penninervia integerrima vel sinuato-dentata, aut saepe acerosa, sessilia et imbricata. Slipulae aut nullae, aut ad basin petiolorum geminae deciduae, interdum inaequales. Floras hermaphroditi vel abortu diclines aut polygarni,* terminates vel axillares, subsessiles fasciculati, capitati vel spicati, saepius bracteati. Calycis tabus oyario magis minusve adhaerens, rarissime liber, limbo quadritido vel quinquefido aut partito, persistente vel deciduo, lobis per a estivation em inibricatis, rarissime obsolete repando* denlato. Torus in laminam tenuem, tubum calycis cum ovario connectentem vel ovarium obducentem expansus, rarissime in discum epigynum effusus. Corolla nunc nulla, nunc petala calycis fauci insertat ejusdem, Jobis alterna, nunc unguiculata, spalhulata, nunc elongato* ligulaeformia, libera vel rarissime mediante basi in tubum #obae-rentia, per a estiva tio'nem imbricata, decidua vel rarius marcescenti-persistentia. Stamina cum petalis inserta, nunc iisdem numero aequalia, nunc dupla, alterna petalis opposita semper sterilia squamula©' formia, nunc subindefinita. Filamenta nunc brevia, basi dilatata, nuni^ filifdrmia vel subulata, libera vel interdum petalorum unguibus basi adglutinata. Antherae introrsae, rarissime extrorsae, biloculares, erecta^ vel incumbentes, oculis oppositis, utrinque connectivo saepius in acumen uncinatum producto adnatis, rima longitudinali dehiscentes, aut facie pariete demum tota, vel usque ad dissepimentum secundarium soluta et decidua, nunc antherae hippocrepicae, rima marginis semicircular! hiantes. Ovarium tubo calycino adnatum, semiinferum vel inferuDt rarissime a calyce liberum, e carpidiis duobus, vel abortu tunic* rarius tribus, quatuor vel quinque, septis tune evanidis, constant

uni- bi- tri- vel quadriloculare. Ovula in loculis solitaria vel gejnina collateralia, ex apice dissepiment! pendula, rarissime plurima e placenta apice dissepimenti inserta imbricatim pendula, in ovario alterius carpicii abortu uniloculari ex apice placenta parietalis solitaria, in *Thamnea* e columnae centralis vertice dilatato unica serie dena, pendula anatropa vel hemianatropa. Styli 2—3, rarissime 4, distincti vel basi aut juxta totam longitudinem-connati. Stigmata simplicifraut subcapitata, interdum verrucoso-papillosa. Fructus semiinferus, vel inferus, aut rarissime liber, coriaceus vel sublignosus, 1—4-locularis, indehiscens vel capsularis, saepius di- tri- vel tetracoccus, coccis demum secedentibus et interne longitudinaliter dehiscentibus. Semina pendula, in loculis solitaria, interdum gemina, rarius plura deformia, unicum inferum fertile; testa Crustacea, laevi vel reticulata, rarius in alam membranaceam expansa. Albumen copiosum, carnosum vel subcartilagineum album. Embryo in axi vel apice albuminis orthotropus, ejusdem fere, longitudine, vel minimus. Cotyledones foliaceae vel crassae. Radicula cylindrica vel conica, sup era, in *Bruniaceis* umbilicum attingens.

Tribus I. *ALTINGIEAE*.

Arbores vastae. Flores dioici vel poly garni, corollati vel apetalii. Ovarii loculi pluriovulati.

I. (1902.) *WJLIWWBAMBAB*, Linn.

(Linn. Gen. pi. no. 1076.)

H. (4595.) *SSIDe WICKIA* Griff.

(Wlprs. Reperl. V. 930.)

III. (4594.) *BUCKIiAHTDIA R. Br.*

(Wlprs. Repert. II. 435. V. 928.)

Hla. *RHOBOLiKIA* Hook.

(Hook. Bot. Magu. t. 4509.),

Caryx minutus, truncatus, cum basi ovarii adnatus, demum aceres- cens, persistens. Corolla nulla. Stamina 10, libera, calyci ittsera? basi pluriglandulosum, biloculare, pluriovulatum. Styli duo, Stigma obtusum. Capsula bilocularis, loculis poly- oblique subtriangularia, compressa. — Arbor faumitts » sempervirentia, elliptico-ovata, obtusa, petio- capitati, in singulo capitulo 5, basi coadunati, involocro dupli- ci florem perpulchrum aemulante circumdati, ext e foliolis imbri- catis ser- «ceis fuscis, int. e foliolis miinerosis coloratie (roseis). Fructus comp- oatus e capsuUs 5, radiatim dispositis.

*. *RH. CHAMPIONI Hook. 1. c. f — Van Hontte. Plore des serres VI. 87. tab. 561. — China.

Tribus II. *HAMAMELEAE*.

Abusculae. Flores hermaphroditi, rarissime dioici, corollati vel e. alib stamina 4—24, omnia fertilia, vel alterna petalis opposita sem- f! ^ r: sterilia squamulaeformia. Antlierae dehiscentia variae. Ovarii u cui uniovulati.

Subtribus I. *FOTHERGILLEAE*.

Flores hermaphroditi apetalii. Stamina 24, omnia fertilia. Antherae hippocrepicae, rima semicirculari dehiscentes.

IV. (4593.) *FOTHERCMA* *linn. fil.*

(DC. Prodr. JV. 269.)

Subtribus II. *HELWJNGIEAE*.

Flores dioici apetalii. Stamina 3—4, omnia fertilia. Antherae rima laterali dehiscentes.

V. (2090.) *mELaWEVCMA* *Willd.*

(Waid. Spec. pi. IV. 716.)

Subtribus III. *EUHAMAMELEAE*.

Flores hermaphroditi, corollati vel apetalii. Stamina 8—10, alterna fertilia, alterna sterilia. Antherae valva verticali vel rima laterali dehiscentes.

Sect. I. *Antherae valva verticali dehiscentes.*

VI. *EUSTTCUHA* *Gardn. Sf Champ.*

(Gardn. & Champ, in Hook, Kew. gard. misc. I. 312.)

Calycis tubus cum ovario connatus, limbo semisupero quinquepartito, laciniis aestivatione imbricatis. Corolla nulla. Stamina 5, cum petalis inserta, iisdem alterna; filamenta lata brevissima; antherae extrorsae basifixae subtetragonae mucronatae biloculares, loculis valvula verticali persistente apertis. Squamulae 5 cuneatae bilobae, staminibus alternae. Ovarium semiinferum biloculare. * Ovula in loculis solitaria pendula anatropa. Styli duo distincti longe exserti, facie interna stigmatosi; stigmata magna complanata, inaequaliter lobata carunculoso-stigmata. Capsula semiinfera lignoso-coriacea bilocularis, apice bivalvis, valvis dorso tandem fisis, endocarpio corneo, in coccos duos bivalves soluto. * Semina in loculis solitaria pendula. Embryo ignotus. — *Arbuscula Chinensis*: foliis alternis petiolatis coriaceis oblongis acuminatis, versus apicem grosse dentatis, penniveniis glabris, stipulis parvis subulate deciduis; pedunculis terminalibus stellato-tomentosis; floribus laxe capitatis-pedicellatis, pedicellis tribracteolatis.

1. EUST. OBLONGIFOLIUM *Gardn. 8c Champ. 1. c.* — *Arbuscula* ramosa glabra, ramulis teretibus, miute verrucosis. Folia alterna petiolata coriacea oblonga acuminata, basi acuta, versus apicem grosse dentata, dentibus mucronatis, pennivenia, supra viridius subtus pallida et reticulata, 4—10 poll, longa, 18—21 lin. lata, petiolus subtus ovatus, supra canaliculatus 4—5 lin. longus. Stipulae parvae subulate deciduae. Pedunculi terminales teretes, stellato-tomentosi. Flores laxe capitati pedicellati, pedicellis stellato-tomentosis, 2 lin. longis, basi tribracteolatis, bracteolis latis, obtusissimis, extus stellato-tomentosis, pedicello subaequalibus. Calyx tubo cum ovario connato stellato-tomentoso, lineam longo, limbo semisupero quinquepartito, laciniis rotundatis, apice eroso-dentatis, dentibus apice pilosiusculis, ovario aequilongis deciduis, aestivatione valvatis. Corolla nulla. Stamina 5, gyna, calycis lobis opposita et breviora, filamenta lata brevissima, antherae extrorsae basifixae oblongo-tetragonae, apice mucronatae biloculares, loculis valvula verticali persistente apertis. Squamulae cuneatae emarginatae. basi extus appendice incrassata, subbiloba instructae, staminibus alternae, iisdem duplo fere longiores. Ovarium

lice breviter eiserto inferum bilocuiare. Ovula in loculis solitaria peodula anatropa. Styli duo distincti, longissime exserti, divaricati clavati, facie ezterna striali, imerna stigmatosi, 3% lin. longi. Stigmata valde incrassata complanata, irregulariter lobata carunculoso-stigmatosa violacea. Capsula semiinfera obovata lignoso - coriacea, 6 lin. longa, bilocularis, apice bivalvis, valvis dorso tandem fissis, endocarpio corneo, in coccus duos bivalves soluto. Semina* in loculis solitaria pendfca. — Crajpit in valutas montis Victoriae, Hong-Kong.

VII (4591.) HAMAMEIJS *Linn.*

(DC. Prodr. IV. 268. — WIprs. Annal. I. 982.)

VIII (4591M IiOROPETAI^OI R. *Br.*

(*Hamamelidis spec no. 3. DC. Prodr. IV. 260.*)

Sect. II. *Antherae rima laterali dehiscent es.*

IX. (4589.) COROTiOPSIS *Sieb. *f Zuccar.*

(WIprs. Repert. II. 494.)

X. DICORTPEA *Thouars.*

(DC. Prodr. IV. 269.)

Subtribus IV. PARROTIEAE.

Flores hermaphroditi, corollati vel apetali. Stamina 5—8, omnia • fertilia. Antherae rima laterali dehiscentes.

XI. TETBACBYPTA *Gardn. Sf Champ.*

(*Gardn. feChamp^in Hook. Kew. gard. misc. 1.314. adn.*)

Calyx tubo cum ovario connato 8-costato, limbo supero quadripartito, laciniis aestivatione valvatis. CorUllae petala 4, epigyna cuneata, profunde lacerato-fimbriata, laciniis filiformibus, aestivatione valvato-mvoluta. Stamina 8, cum petalis inserta, alterna iisdem opposita breviora, filamenta filiformia, basi subdilata, antherae dorso insertae in-trorsae ovatae mucronulatae biloculares, loculis longitudinaliter dehfscentibus. Squamulae hullae. Ovarium inferum quadriloculare. Ovula in loculis solitaria pendula anatropa. Styli quatuor distincti subulati glabri, stigmata subcapitata. Fructus ignotus. — Arbuscula Zeylanica flabra. *wndmomi* facie: foliis alternis exstipulatis coriaceis ovato-oblongis acuminatis integerrimis quinquenerviis; racemis supraaxillaribus. 1—3, ^{III} seriem verticalem dispositis subsimplicibus, 8—12-floris; floribus parvis subsessilibus, basi unibracteatis.

^I *T. CINNAMOMOIDES *Gardn. ft Champ. 1. c. f* — Crescit in Insola Ceylon.

XII. (4592.) PAJftBOTIA *C. A. Meyer.*

(WIprs. Repert. II. 435. 940.)

XIII. #593A.) HISTYiilCME *Sieb. if Zuccar.*

(WIprs. Repert. V. 928.)

XIV. (4590.) TRICHOCIADUS *Pen.*

(DC. Prodr. IV. 269. — WIprs. Repert. II. 434. 940.)

Tnbus III. BRUNIACEAE R BE

DC Prodi II 43 — Wlpi b Repeit I. 542 Annal I 1%)

Frutices Capenses encoidui Flores licimaphioditi, sempei corolJah
 Stamina corollae launii& numcio aequalia, nsdeni alteina, omnia fertile
 Antherae intiorsae*; rima longitudmali dehiscentes Ovula solitana |tl
 •• mnna collateralia

Ordo LXIV. SAMYDEAE an,,-.

(IH Piodr II 47. — Wlprb Report I 547 II 828 V 405, Annal I 197)

5060. CASEARI.% Jcq

(DC Prodi II 48. - Wlpis Repeit I 547 II 82S V. 406, Annal I. 197)

I. Amei icana.

- 1 C BLVNCHETIANA Miqu Linnaea \XH. 801 f — Ramulis petiolisque tencerc pilosuli*
 ^hbicsi cntibus, foliis breutei petiolntis clliptico- lanteolalove-oblongis bicvitei acu-
 tiuscule icummatis, basi aequali \P\ levitci maequali acutis, remote appresse sub-
 titucionato-senulaiid membranareis glabns, macula pellucidi^ irregulariier stnaefoi-
 mbus, vcn^ scni> Ael scptems, stjpuhs lanceolatis canahculatis, petiolum superanti-
 bus tonientellis llonbus axillanbus glomeratis, pedunculo communi nullo pedicellis
 glabris rnlytis Jobi> ovalis tcnere ciliolatjs glandulosis, <daminius fertihbus 10, ste-
 ulibus bie\ibus huiulis — Cicscit in Brasiliae piOTincia Oahia ..fortts des marai>
 d Othos "

If. Anatioae:

- I C TRIM VTA Bluine, Mus bot fcugd Batav p 252 no 547 f— Romulis parum a^{un}
 quilntKs sub^elutinia, folus e basj truncata v ^ubcordatn oblongis (4—6¹/₂ poll long¹*
 1 *— 2 poll, latis petiolo 3—4 lin) acutu. crenulatis conacois. lere impunctatis, sup¹*
 mtilib ct ghbns, subtus in \enis pubeiulis, pedicellis confcriib a\illanbus unifloris*
 flonbus .seneco-pubuuh*, qumquepai titii ^hinimbub fcrdlibus 8 scabuusculis, sterf
 hbus totidim hnearibus Mlosiibculis, fruclibus ellipsoideis — In Vrclnpelago Indie*
3. C VARIABILIS Blunie 1 (no 348 f — Ramulu» angulalis subxclutmis, foliis e 8*
 rolundala v MIKONI tla illipiici> \ chpluo-oblongis (3¹/₄—7 poll longis l'A—3 poll
 latis, petiolo 3—5-bn) acutis v. bioiter obiuse icumuniis obtusih\e obui>o siorrub-
 lis conaceis leie unpunctaii^, Mipia glabus nilnlis., ^ublu^ velutino-pubescentibu? v
 tandem glabiluhculi*, pedicellia confetti* axillaiibus uniflons, flonbus» seneco-P^u^"
 ruli!> quinquepiriitis >taminibus> feitililHJs. 9—10 intu-* bubpubebccntibus, &tew^u
 totidem lineuibus MIOMS, fiuc ubus ellipsoxlei^
- p. iphaein<aipa Foliis praccdenlis glabris in nei\o medio el \enis subtus P^u*
 beiuilis, stamimbus feiilibiib glabiis», stei ilibus suklatatis MIOSIS, fructibus cllip^{sal}*
 deo-globosia
- Y nudata Foliib e ba&i biibcoidiia oblongs (3—5 poll longis, 1Va⁻² poll
 latis) acuminatis glabnusculis. staminibus fcitilibus (?labiis> — In Archipelago Indie⁰.
- 4 C bALACIOIDES Blume 1 c no 550 - Raniulisangulatissubvelut.nl!, foliis o NJ
 cordatav. rotundataoAah-oblongis (4%-7VaPoll longis iy,-3 poll lain. P⁶uo-
 1-2-lin) acutis romote crenulatis conatei* feie impunctdiis glabn-, nitidis. ad nor-
 ium 1^u.dm m sublus ob soleie puberulis ped.coll.s pauris fasucuh.s a villaribus um-
 fions nor.bus - In >ova G uine

- > C GL AIR AT A Blume i c p 253 no 551 — Ramulus subangulatis pube rara appressis foliis e basi rotundata ellipticis oblongis (4—6¹/₂ poll longis, 1¹/₂A—2¹/₂ noil laib> piciolo 3-lin) ncuus v obtuse acuminatis obscure aerrulatis subcoijaceis pellucido-punctatis glabruis v sublus piaeseitim ad venaspube raia appressis, pedicellu, confectis aiillanbus uniflons Uonlms stntpo-pubemhs quinquepiuius, stamimbu* fertilibus 8 glabns, sienlibu9 toidem lint^nbu obtuus villosis — Iu Juva & Sumatra
- *> C VELUTINA Blume I c no 552 — Ilaiulib angulaus pubebcenubus folus e basi maequah obtusata v subcoidata oblongis (3—b poll longis» l¹/_a—27* poll latis. penolo 5—7-hn) acutiuculis v bieviter obtuse acuminaiis acute soriulaiis subconaceis pellucido-punctatis supra glabns sublus \elutino-pubescentibus ptficellis paucis confertisve axillanbus uniflons. flonbus lurlulis quinquepaitAs, siamimbus ferlibjis 5—6 glabns et stenlibus subulatis pubesceniibus.
- [J *pilobiusvulu* folns e basi inaequali rotundata ellipticis — Sumana
- < C PROPINQUA Blume I t no 553 — Rimulus angulaib tomentosi^ folus ovalibus utnqne acutiuculis (2¹/₄—3¹/_a poll longis 1¹/₂—2 poll lalis pelialo 5—7-lm) subintegernmib, supia glabns subtus dense pubescenubus conaccis pellucido-punctatis pedicellis in lubciculis axillanbus pluruni^ umfloris, flonbus — Java
- 6 C LAURINA Blume I c no 554 — Ramulis angulaii* puberulis folus e basi aculiuscula clipticis ovalibusve (3¹/_A^6 poll longis 1¹/_B—27» poll bus, petiolo 3—4-lin) obiusiucule acuminaiis v obiusiuculis ranssime lotundaiis iemote aenulalis conaccis, supra glabm el lucidis, in venis sublus puberulis fere tnpeltuoido-punctatis, pedicellis conficiis axiUaubus uniflons, flonbus senoeo-puberulis qmqueparUUs, stamimbus feruhbus 8 glabns slcnhbus totidem lmeanbus superne villosiusculis — Habitat (in Java?)
- ' G FLAVOVIRLINS Blume I c p 254. no 556 — Ramulis angulatis glabns folus e basi obtusm*cula v roiundaia oblongis (4—9 poll longis, 2—27, poll lalis, peiolo 6—7-lm) acuminaiis obsolete serrulatis pillucido-punctatis conaccis glabns mndls pedicellis confems aiillaubus uniflons flonbus quinquepariiUs, stamimbus ferlibibus 10 glabns slcnhbus to lid em bicibus oblusis, upicc pubesceniibus, fruciibus elongo-ellipsoideis tnjoms — In montans Javae
- 10 C CAPITLLA Blume I c no 557 — Ramulis bubangulais glabns folus ellipticis (2¹/_A—4¹/_i poll longis. l¹/_a—2¹/_« poll latis. peiolo ¹/_r—¹/_a-poll) uinnque acigis v apice obiusiuculis obsolete ot remote ^enulaus subconaceis glabns flonbus in capitulis axillanbus sessilibus v peduculalis glabns quinquepartitis stimimbus ferlibibus 10 glabns steilibus totidem lmeanbus acuiis pilosi* fructibus ovoideo-tngoms — Boineo
- 11 C TUBCRGILL VTA Blume I c no 558 — Ramulis angulatis glabm folus ellipticis v cliptiito-lanccolatis (3—5 poll longis 1—2 |oil lalis peiolo 6—7-lm) utnqne angust ins uucgurimis v apicem versus obsolete romote serrulatis conaceis, fere impunctatib {labnt> flonbus in tubciculis (b lamuhs abbrevntis) axillanbus plurimis brcMssjme pedunculaiio glabns quinquepii mis siimimbus feruhbus 5—6 puberulis Menlibus totidem ljneari-subulaiis villosiusculis — In Java
- * * C ILXAGONA Dene — vflprs Report I 546 no 2 — Blume I c no 559
- P *gelomoides* Blume I c — Folns oblongo-lanueolatis (4Va—7¹/_a poll longis, l¹/₁—2¹/₄ poll latis, peiolo 4—6-lin) inicgnunis v obsolete remote cronulatis conaceis — Timor *
- 13 C MOLU(IAN\ Ulume I c p 255 no 560 — Ramulis angulais puberuUa, folns e lasi acmiuscula v subiotundata ovaiis v o\ato-oblongis (3—4¹/_a poll longia, 1y2_2 poll hus peiolo 2—3-hn) obtuse acuminatis inttgemmis v obsolete seirulatis conacci>, impuncuus glabns pedicellis» oonfertis axillanbus brevibu^ umOois flonbus tflibii!. quinqueparlius siamimbus foiiilibus 10 glabns allejmtim bit\ionbus, slenlibuj. loudtm lmeanbus pubtscenubus fiucUbub clongalo-ellipsoidei* — In Araboina
- 14 i CLbPIDATA Blumt I c no 561 — R-unulib angulais lomontosig. foliis e basi rotundata \ subconhta o>alibus (A—1 ped longis, 3—5 poll laws, pctiolo 2—^

- lin) cūspidaws acute denticulatis subconaceis pellucido-pūncwus, supia glabris, sub-
tus molhter pubescentibus, pedicellis solliarns v paucis axillanbus millions, flonbus
tomentosis qumquepartitis, Maminibus fertilibus 10 et sienlibus totidtm lato-ovatis
subpubescentibus fiuctibus ellipsoideis pentagonis puberulis — In Sumatra
15. C TIRBINATA Blume 1 c no 562 — Ramulis tereiusculis velutims, folus e basi
acutiuscula elliplius ($3\frac{1}{2}$ —8% poll longis, $1\frac{1}{2}$ — $3\frac{1}{2}$ poll, latia, petiolo 3—4-lin)
acuminatis integernmis v iemote et mmutissimc serrulatis membranaceis impunctatis
supra glabris, in nervo medio vemsquo subtus velutmo-puberulis pedicellis 1—3
axillanbus umflons flonbus senceis qumquepartitis, staminibus fertihbus 10 pubei ulis,
stenlibus totidem subulalis villosis fiuciibus subturbmatis — In Sumatra
- 16 C CLUT[^]-CFOLIA Blume I c no 563 — Ramulis subangulatis pubescentibus loins
subsessilibus c basi fcutiuscula v obtusiuscula ellipticis (3—5 poll longis, $1\frac{1}{2}$ — $2\frac{1}{2}$
poll htis peliolo vix 1-lin) acutis v subacuminatis mmutissimc Iemote senuldtis
membranaceis, crebro pellucido -punciatis, supia glabris subtus velutino-pubescenti-
bus flonbus paucis aillanbus subsessilibus senceo-pubeiulis qumquefidis, stamin-
bus fertihbus 10 puberulis, stenlibus totidem tngulan-ovatis apice cum fasciculo
villorum fructibus clongato-ovoidus sublngoms — In Nova Guinea
- 17 C RUGULOSA Blume 1 c no 561 — Ramulis subangulatfe velutims folus subsessi-
libus c basi rotundata ovato- v elhptico -oblongis (2— $6\frac{1}{2}$ poll longis, $1\frac{1}{2}$ —3 poll
latis petiolo $V\frac{1}{2}$ — 2-lin) acuminatissimis mteggerrimis v mmuiissimc serrulatis mem-
branaceis pellucido-punctatis, supra glabus invents subtus subvelutims flonbus brc
M&ime pedunculatis axillanbus subsolitarus senceo-pubeiulis 10-andris, fiuctibus
ovoideo- v elliptico-globosis 6-tostatis rugulosis — In Archipelago Indico.

Ordo LXV. HOMALINEAE R. B,-.

(DC Piodi II 53 — Wlpis Repoit I 518 V. 408, Annul I 1<>7)

5087. BIIACKHTEIIIIIA *Common*

(DC Piodr II 54 — WJprs Report I 548, Annal I 1M)

- 1 BL AFRICAN V Hook fil Psiger Flora 361 f — Folus ovato-oblongis bicvitei cal-
loso-dentdtis glabiiii conaceis, lacemis pamculatis flonbus secus ramos elongalo;>
subsessilibus pan is pentandus petalis caljce subduplo longionbus — Citscit m
Steira Leone

5087/x DISSOMERI. %//^)/, fil.

(Hooker fil ^lger Flora 362)

Calyx profunde quadiifidu[^], tubo blew basi \ix o\ano adnalo, lacinus
aestivatione imbricatis Pctala 8, pcisistentia, cahcis lacinns majora,
cum glanduhs totidem alternantia, acslnatione **duplici** sene imbiicatd,
per anthesm connnentia Stamina plmima in phalanges 8 petalis
oppositas [(singuhs hexandns) dispo[^]ila, anthrae subglobosae, connec-
tivo crasso carnos<f locuhs mlioisis longitudinahtei dehiscenhbu<J
Ovanum fere ommno libeium uniloculaie St>h 4, ranus 3, fihfoimes,
apice mjnute stigmatosi Oula c\ apice ca\italis o[^]arn pendula pla-
centis lot quot sl[^]li, pan is M\ distincths, singuhs 3—4-o\ulatis.

Capsula indehiscens crasso - coriacea; seminibus abortu solitariis vel paucis. — Frutex? foliis alternis stipulatis; spicis axillaribus interruptis.

1. D. CRENATA Hook. III. 1. c. 364. f — Frutex? ramulis verrucosis, novellis inflorescentiaquo puberulis. Folia alterna, breviter petiolata ovata, irregulariter crenata et hinc inde sinuata-lobata, crenaturis saepe minute glandulosis, basi acuta vel obtusa subcoriacea, penninervia et reticulato-venosa, axillis venarum subtus fasciculum pilorum foveantibus, caeterum glabra vel juniora minute puberula. Stipulae lineares foliaceae, 2 lin. longae, valde caducae. Spicae in axillis superioribus cum pedunculo 3—5-pollicares, jam infra medium interrupte floriferae, floribus arete sessilibus, inferioribus dissitis, superioribus approximatis, singulis subglobosis, fere 5 lin. diametro. Bractae 3 fusco-membranaceae, una exteriore (bractea subtendens), duae (bracteolae) interiores oppositae. Sepala 3 lin. longa late ovata obtusissima, basi breviter connata, margine ciliolata membranacea venulosa, dorso puberula. Petala consistentia et pubescentia similia, sed duplo majora, basi angustata et distincta, circa fructum persistentia et globoso-conniventia. Glandulae breves latae, cum petalis discum hypogynum et subperigynum marginantes. Stamina intra petala fasciculatim inserta, saepissime ad quoddam petalum sex, rarius 5; filamenta filiformia, pilis longis patentibus barbata, petalis aequilonga vel vix longiora. Ovarium dense hirsutum. Styli exserti, ultra medium pilis longis barbati, apicem versus fere glabri. — Habitat in Africa tropica occidentali.

Ordo LXVI. CHALLETIACEAE R. Br.

(DC. Prodr. II. 57. - Wlprs. Repert. I. 549. II. 829. V. 408, Annal. I. 198.)

5759. CHALLETIA DC.

(DC. Prodr. II. 57. — Wlprs. Repert. II. 829, Annal. I. 198.)

1. **GIL. AFFINIS** Planchon in Hooker, Niger Flora p. 176. f — Foliis longiuscule petiolatis ovali-ellipticis obovatisve obtuse acuminatis, basi acutis rotundatisve subcoriaceis glabris; cymis laxiusculis in pedunculo axillari libero vel petiolo adnato solitariis paucisve; drupa glabrata. — Crescit in insula Fernando Po.
 2. **CH. SUBCORDATA** Hook. 01. 1. cit. p. 277. — Foliis breviter petiolatis late ovatis. vix acuminatis, basi subcordatis glabris vel ad costas puberulis; cymis in pedunculo brevi axillari libero solitariis multifloris, ramulis evolutis; petalis profunde bifidis; stylo breviter trifido. — Folia 3—4-pollicaria, 2_a—3 poll. lata. — Crescit in insula Fernando Po.
 3. **CH. OBLONGA** Hook. 01. 1. cit. p. 277. f — Foliis petiolatis oblongis acuminatis. basi acutis ramulisque glabris; cymis laxis in pedunculo brevi libero axillaribus vel terminalibus subpaniculatis; pedicellis calyce sublongioribus; sepalis lanceolatis; petalis calyce dimidio longioribus, stamina subaequantibus; stylo elongato, apice breviter bifido; drupa obovato-oblonga tomentosa. — Crescit in insula Fernando Po.
 4. ***CH. FLORIBUNDA** Planchon. — Wlprs. Ann. bot. syst. I. 198. no. 1. — Hook. Niger Flora 278. f tab. 30.
-

Ordo LXVIII. ANACARDIEAE *Lmd*

(Wlpis Repeit I 349 II 829 V 411, Annal I 198 a 967 - *luebmthaceauun* tub
1 ft II DC Piodr II 62 65)

5893. PISTACIA *Lmn.*

(DC Prodi II 61 — Wlpis Repeit I 549)

- 1 P P\I ACSTINA Doiss Diagnos plant oneqt nov IX p 1 f — Fruticosa foliū» deciduis 4—5-jugis absque nnpaii, petiolo subquadrangulo ut et rami juniores brevitei (t ciispule puberulo, ipicc intei folioh suprcma in mucionem setaccum hirsutum eito (Itoiduum abeunte, foliolis oalis \L| oblongis oblusis longiuscule setacco-mucronatit vel aculis, in mucronem attenuatis, basi semper rotundalis brevissime pcululalis macqualibus jumonbus tenem, adullis subconaceis, utnnque et superne pracsertim nitidis inralltle multincivns, nervis venisque pellucidis margine breviter hutellis, cacicrum glabns flonbus ratemis fructifens super ramos vetustos nudos sub folns greganc onundis et c\ eadem gemma plunbus elongatis ramosis flexuosis palulis rhacbidis ram is tenuibus e sicco angulatis paiulis vel refraciis fructibus rubellis, pedicello us aequilongo sufTultis, oblique ovito-rotundis obtusissimis, oblique et brcMter mucronulatis — Cicscit in Judaea et Galilaea

5694. DUPIJISIA *A. Rich.*

(Wlprs Repeit V 411)

- 1 1) (9) LONGIFOLIA Hook fl. Niger Flora pag 287 f — Foliolis 15—18 anguste oblongis conaceis glabns, supra glaucis, sublus elevalo-pennineivus, rete venulauim inconspicua panicula mascula amp la floubunda fenugineo-tomentella, dibco slamini-feio rufo-hirto — Crescit m Sierra Leone

5895 SORISTDmA *Vet Th*

(DC Prodr II 80 — Wlpis Repeit I 550 V 412)

- 1 S HETEROPHYLLA Hook fl. Niger Flora 286 f — Foln* simplicibus pinnatisvc ioliolisque oblongis conaceis glabns venulis anastomosannbus comtrgeniibus m venuhs* spunas versus axillas venaium reversas pamculis axillanbus la\is flonbus inasculis 10—15-andns — *Sapmdus umplicifohui* G Don Gen s\st of gard and bot I 666 — Sierra Leone
- 2 S ELONGATA Illume, Mos bot Lugd Batav p 205 no 455 — Folns oblongis obtusis v acumine brevi obiuo tcrminatis, basi subrotundaiis, panicula clongaia — In Madagascaua

5898 ODISTA *Iixb.*

(Wlpis Repeit I 550 V 4U)

- 1 *O OGHIGEC Hook fl. Niger Flora 286 — *Spondias Oghigee* G Don, Gen sjst of gard and bot II 79
- 2 0 GUMMIFERA Blume Mus boi. Lugd Balav p 206 no 456 f — Folns 2—5-jugi* cum impan, foliolis o^alo-oblongis \ lanceolatis longe acuminatis basi acutis glabns, junionbuft stellato-tomentosis lacemi!. spicifonnibus fasciculatis \ mterdum panitiihiis ttinunalibus lateralibusve flonlms plcrumque oclandns — *Spondtas** Wiiiigw* Hsskrl Cat hoit Ilogor 247 — In J_{ava}

- 3 0 SPECIOSA Blume 1 c no 457 + — Fohis 11—13-jugis cum impari, foliis lanceo-
Htis aculis v acummatis, basi subrotundatis glabris paniculis axillaribus et terminalibus
longis clongalis ramosis, floribus plerumque dicandris — *Kokhia speota* Tipp mss
Habitat ?
- 0 DISCOLOR Bonder, Linnaea XXIII. 25 f — Fohis imparipinnatis 4—5-jugis, fo-
liolis sessilibus ovato-oblongis acutiusculis integerrimis, supra glabris, subtus cano-
loinentosis, petiolis canaliculatis, floribus dioicis spicis masculis simplicibus in apice
lamulorum congestis, rachis pubescente, calyce basi puberulo petalis 4 paucibus
slamimbus 8 — In Promontorio bonac spei (Magalisbeig)

5899A 3TOTHOPEGIA Blume.

(Blume, tyus bot Lugd Batav p 203)

Calyx mferus, quinquelobus, deciduus Corolla . .. ? Stamina .. '
ftvanum sessile, disco carinoso annulato cinctum Stylus terminatus,
bievis, stigma capitatum Dacca globosa, stylo turn stigmatate apiculata,
sarcocarpo cellulis minutis repleto, umloculans, monosperma Semen
cinctum, globosum. Embryi exalbuminosi cotyledones maximae, cai-
nosae, sermglobosae, radícula brevissima, inter cotyledones retracta, m-
lera. — Arbor Indica non satis nota fohis alterius breutei petiolatis
oblongis v. obovato-oblongis integerrimis conaceis penninervis e-
stipulatis, racemis axillaribus v foliorum lapsu lateralibus muhilous

- 1 N. COLEBROOKIANA Blume 1 c no 450 — *Pegia?* *Colebrookiana* Wght Icon
plant, tab. 236. — In peninsula Indiae orientalis

5904 LITHBAEA Miers

(Wlprs Report. I. 551)

- 1 L (*Lhhi?*) MOLLIS Gay. Hist de Chile (Bot) II p. 45 — Folus elliptico-oblongis
tonaceis subintegris, subius cinereis, breviter petiolatis, racemis spicatis, axillaribus
terminatibusque — Habitat in Chili

5904/x. MUELIATFOCOCCA Blume.

(Blume, Mus. bot. Lugd Batav. p 236)

Hores hei maphroditi Calyx brevis, quinque-ranissime sexfidus,
persistens, lacinis lato-ovatis, praefloratione valvatis Petala 5—6,
nypog^{na}, ovato-lanceolata, obtusa Stamina 5—6, petals alterna et
°a adaequantia, ad basin disci carnosae depressae imo calyci adnatae m-
berta, filamenta subulata, conniventia, hbera; antheiae capitatae, granu-
'osae (e\ Zippell) Ovula 5—6, sessilia, inter se et per stylos plus
minus cohaerentia, uniovulata. Stylus brevissimus, subcoacti, lateraliter
sl'igmatosi Diupae abortu 1—3, disco insidentes, oblique globosae
succulentae, putamine lenticulari-compresso, tuberculato. osseo, mono-
J»permo Semen compresso-subreniforme, sinu umbilicatum, testa mem-
manacea. Embryon intra albuminis stratum tenue curvatum; cotyle-
donibus ovato-oblongis, planis, subfoveatis; radícula cotyledonibus
paucis bievion, ascendente, supera. — Arbuscula No\ae Guineae, sim-
Pnuler ramosa: ramis, petiolis, foliorum rachis pedunculisque ochras-
^eiiU-iomentosis, fohis alternis, exstipulatis imparipinnatis, 4—7-jugis,
'oliis brevissime petiolulatis, suboppositis, oblongo-lanceolatis, ob-
jusiusculis, integerrimis, epunctatis, \enosis, supra glabris, subtus mol-
hl>Ql pubescentibus, paniculis axillaribus terminatibusque ramosis;
"•iipis paucis, anthracinis, lucidis, epitarpiu tcnin, obsolete punctato

- 1 'M TOMENTOSA Blume I i n(T 514 — In INou-^mnei

5905 RHUS Linn

[U Piodi II 6b — WPis Rc{ oil I tti ir &M V 114 Anml I 199 a %7)

- 1 All OLHIUMVWA llicli Tont 11 \b\sbinic I 111 — Ramulis |ubenti glandu
Insi 1 Ins infoli liii> pttiohs ner\is|ie |ubenlibus foliohs clli| lieo hncpolulis
acuiis. IUI obuiH* mai(jue luicfeis dibculoubus sublus pallidioibn*, siibpuncalau
glandulosi 3 — V/A uncios longis 6 — 8 lineas ~~ku&~~ racemis parvulis ramosis lolio
brewonbus hirtis pedicellis globris sepahs apicc setosis fiuctibus mimmi⁹ niten
nbus glabns — Crescit in Abvssinia provmcia Cbire*
- i KH CRLMI \TV A Rich 1 c 142 — Pamfolia riiuu is cinereo pubentibus glan
lulo&isf fulus iriluliulutis foliohs lateralibi s obovalibus obiusis cm ir^maUs uenulalis
iniiioribus interincdio basi allcnualo cuncilormi omnibus glauco uncicis, sublui> VIX
glabus interim dio scs iniintiani lung) b—8 line is I ilo iiuinis ,racilibus rano&is
I ubenlibus folio longionbus cahte pedicellisque glabns li uctibus — Crcm in
Abyssiniac prcmncia Tchelukott
- J HH GLAICFSFUSS A Rub I c 143 — Glabra foliis tnfoliolatis foholn obo|a
libus ran us clipticis, obtusis soepius basi scnsiu Qttenudtis globris glautis sub(n>
luuiiitr \cnoso reticuldtH ninigme j>raiseilim >eius apiccm subciciuiis l/a—& ft
uiuiis longis b—12 linear tails i act mis azillanbus ramosts folio brevioribus pedi
cellis i] ice cilyceque pentamero glabns fructibus minimis glabns obovalis aul sub
didvmis — Crescit in Abyssmne provincia fhoj
- 4 HH FOLIOS A A Rich 1 c — Rumulis [Mlioli^qup lanalii subsnceis foliolis oblongo
(llipticis aculissirms latcrilibus basi obtusis nmginc mtegris, superne peberatis in
m.i\is subhnatis 4—6 uncids longi* 1—^ uittias laib iactuals axiUaribus elongate
niiiosb Idnatis lolio brcMonbus ptditcllib ctljttquc | ilosis fiuctibus —
Crescit in Almsimae provmcia Choa
- 5 RII l'HITIANA A Rich I c 144 — Ramulib fusco-pubenti-tomentosis folns info-
liolalis pctiulo pubnti-tomentoso, foliolis ellipticis acutis margine integns, trans
(cr>nn ncivosis in nervis pubenti-tomenlosis 3—4 uncias longis 12—15 lmeas lalis
lacemo leimnali composito saepius apliylo tomenloso calycibus pabentibus drupis
mininus nitentibus glabcrnmis globoso-depressis — Crescit in Abyssmie provim n
Ouodgciale
- i RII GI UTINOS V Hoclist mss ex A Rich I c — Foliis tnfoliolatis ramulis pubntu
tl indulosis foliolis cliplico-lanceolatis neulissimis raribsimc obovali-cuneatis obtusis
subtus in IICIMS | cliolisque gfanduloso-subpubenlibus transversim nervosis integns
3—4 unuds longis 10—16 lmcas lalis lacemis axiUaribus ramosis folio brevioribus
subglandulosi* pedicellis cahceque ^lutinosis fructu minimo globoso-depresso —
(rescit in Abvssinia regiombns montosis inter Adoua et Ochasa et prope Tsche
nausa in provincia Semicne
- ? RII YLRRUCOSA Schecle Linnaca XXI 592 f — Fruticosa glabra ramosissima mm
Mli call i imosi apicc (landuloso \iscidi Folia trifoliolald petiolum tngulatam aequtn-
in foliola rbomboideo ovala pennnervia acuminata macqualucr grosse el remoic in-
ci->o-dentata supra nitida subtus opata vorruoosa verrucae magme subrotundac
dtiopurpuicic lucidao foliola lateralia maequalia brevissimo peliolulata terminate
longius petiolulatum Piniculac hlcrals petiolo breviores Pedunculi angulati sul-
ou subalali Flores ? Drupa flavoscenti-albida sub^lobosa glaberuma mtidi
longitudinaliler sukaia shlis 3 brevibus coalilis coronala apice basique rclusa pedi
cello longior Nux sulcali tenuissimo scnceo-lomontosa virescenti-albida — *Rhu?*
aromatica' Lrodbeimer — Crestit in Texas pi ope Neubiaunfels
- t* RH MRt NS Lindheim mss ex A Gray, Dost journ of nat hist \1 Io9 — Gh-
kella foliis scmpei virenubus 3—4 jugia cum impan rhachide nuda foliolis o\itis
oblongisve obtusis |o| obtusiuscule acuinatis margine subrevolulis inlcgernmis co
uaccis supra mtidis subtus pallidis sub lenic uiinulim tomentulosis Horibus albidis
tbyi soidoo-pamculatis paoiculis axillanbus folio bic\ionbus diiii| a rubia Inrsut •
I ui ammo lonluulan hc\i — (i#(u In republic! Texensi id INcibi unftc)

5907/., AJVAPmUGHTIOI *E. Meyer.*

(Wlprs Repert V 414)

- i \ ABISSINICUM Hochstett. — A Rich Tent fl Abjss I 146 t 32 — Folns tomato->crticillatis. br\iter p\iolati<> lanceolatis oculis raiius oblusis, margine inln-gna coriotcii suptim glbnubculis tmbuis rufo - tomcrilosis. ponninci\us items npproximati<> parallels simplicibus. apice tantum bifurcato-iamosis racemo compo-sito terminali pamculato tomcnloso. drupis globoso-depress, lationbus quam lon-gis, monopyitnis riucr innnospermn — *Oioroa insignis* Del — Wlpr 1 c 415. — Crescjt circa Add crbati, in Abjssinne provmcia Tigre" ad viam inter Choada et Sabra, IOLO Radke in provmcia Smitno.

5911. GLITA *Linn*

(DC Prodr. I. 511)

- 1 ft VLLUTINA Blume, Mus bot Lugd Batuv. p 183. no. 416 — Paniculne ramis pa-t\hlibu!> caljtibusque senceo-\clutims — Borneo

5915. MAATOIFKRA *Linn.*

(DC. Prodr. II 63 — Wlprs. Repert. I. 555)

- i M INDICA *Linn.* — DC. 1 c 63 — Hook Bot. Mag. tab. 4510 — Wlprs Report. I *55. no 3. — Blunic. Mus. bot Lugd Batav p 193. no 436 f — Folns lanceolatis •vel oblongo - lanceolatis, utnnque angu*tatis chartaceis transverse venosis, pamcula termmali maxima patenlissima (puberula), corollae petalis 5 lanceolatis oblusis. hasi c luberculo [nervis 3—5 prominentibus, fructibus (majusculis) oblongo - ellfpaoideis obliquis. — *M sylvatica* Rxb — *M amba* Forsk.

• p. *domeslua* Folns lanceolato - eblongis minus elongatis m basi minus angu-^lalis fructibus magnitudme OM anserim — *M. dnmetstca* Gaertn. De fruct. et sem. plum. II p. 95 tib 100

Y *compretsa* Folns ui in pracedonte fiuctibus maximis 10-poll, putamme tenui su)cmc subfoliacoo-compresso — *M Ltnnaei* Krtbls mss

8. *kalapa* Folns majonbus flrmio^ibus, fructibu^ ut m \ariotate praecedem^ sed putamme exiguo

£ *bapang* Folns ut in var. *kalapa*, apice cito sphacelate fiuctibus baud it a magnis, scd putamino majore magisque flbroso

C *dodol* Folns ut in praecedente, sed basi minus acutis mterdura subrolun-ddlis ic saepe paulum obliquis, fructibus paulo majonbus quam \ar domestica, catno sucLulenta, sine flbns, sed putamme turgidioro ac minore.

^ *firatis\ima* Folns omnium maxime vanetatum cum illis 3/ \niUcae sponte cicbcctis congruentibus fructibus ut in var. P, came mollioreac sapore gratissimo.

^ *kxdang* Folns ut in piaecedente, sed vulgo lationbus. fructibus aliquantum "imonbus, came molliore scd acerbiore

t. *kaijer* Folns ut *M. indicae siflvestns*, sod flrmionbus ac plerumque minori-bus. panicula elongata saepe foliata. fructibus ul in Var domestica

- ¹ M. MEMBRANACEA Ulume 1 c p. 195 no 437 f — Foliw oblongo-lanceolatis ob-tusiuscule acummaiis vel subacutis. basi angustatia membranaceis. venis aicualis utnn-que obsolete reticulatis, paucula termmali laxa. — *M Taipon* Hamilt — *Manga alleia* V>eciett *sylvcttris* Rmph lib Amb I 97. tab 27 — In Moluccis ft in No\ a Guinea.

- ³ M LAUR^A Blumo 1. c no 438 — Foliis oblongo - lanoeolaUs ulnnque acummaiis <IMitat(is vel conaceis. venis latorialibus arcuatis utnnquo >el subtus obsolete rcti-<ulatis panicula terminali maxima clangata laxa (subpube^centt), coiollae petdlis 5 lanceoldtis obtusiusculis palraato - 3—5-nemis, ntrvis intus ad basin prominentibus, 'luttibus (magnitudine mediocn) ellipsoideib obliquis — *Manga sinnarvm* Rmph. I c.I 94.

?• *muioiarpa* Folns toxtura flrmion, utnnquo acummaiis \c\ basi acutis. fructibus minonbu8.

- y. *cflobuluua* Folns ut in *vm nuciocmpa*. fructibus globosis
8. *deioponq* Folns ut in *\ai miuocmpa*, sed majoribus, basi aculis \cl IU-
-iequali - 1 otundatis, fructibus > clongalo - plipsoulei*
- £ *pcmx* Folns textuaria tonncin ngidi *haul* aculis supra intei vcnas obsolete
a< uulaio-ioticulatis. — V *Indira* \ii *Pcnue* Blume, Bijdiag p. 1157.
- ? *snito** Folns ui in *\ai punxt*, sed longe peliolalii Innccolatis, panicul i
puce riniosa >ubloinPiitosa.
- r\ *put* Folns ui in *\ai sen/oa*. sed iniei \enas transveisalts utunque reticu-
lariouc subpiomincnlc, pamculd maxima sulitomentosa
- *3 *mda* Folns > ul in *\ai put*, sed ail nprnem laiulcin *phaicli*, basi JSUIHI-
leqml i ucuiusuilib pamcula intcidum magis contracto
- i *pallns* bolus ut in *\ni meln*, sed magi* oblon{j*}, nd ipicein cilo sphuce-
l<tio-ol)iusis, >asi -itutiustulis panic ul> elongita pflusa.
- x. *muumdu* Folns ul in >ir. *pallenU*, sod ad basin mi pis in petiolum angu-
^latis panifulac iamis patentissimi^ \cl subictlinatih
- A *telom* hulns ul in vai *mila*, sed J)lcrumque mnjoribus, pamcula muvinid
olongain
- (Ji *hembem* Folns majuscule aculis \el IIIEMPI oblige nccuminatis, basi sub-
inaequali-aucnuatis
- v. *sangiei*. Folns ut in vai *bembom*, sed ad apicem longe acummalis
- §. *'marunga* Folns ut in var *bembem*, act} mterdum majonbus costato-venosis.
- o. *aquova* Folns ut in \ar. *put*, ad apicem cito sphacelatis. — ^a
- 1 M MI^0H Blume l. c p 198. no. 439 f — Folns lanccolatis, ad apicem obtusiusculi >
\L\ oblusis, bnsi acutis chailaceis, pamcula tPiiniinli lava folium adaequante (glabia;
(oiollac pot ilis 5 nussunc 4 hneaii-lanccolatis ad basin neius 3 cleuatis confluenti-
bus — *Manqa mmm* Rmph 1 c I 94. — In insula Celebes
- 5 M. FOLIIDI Lour. Flor. Cocji. I. 199. — Bluine 1. c. no 440 f — Folns qflpiico-
oblongis, utunque aculis vel ad apicem obtusis couaceis ngidis costato-venosis, pa-
mcula in mmali diuinaia folium fcie adacquante (glabnuscula), corollae petalis 5 <
basi coidun linean-lanccolatis obtusiusculjs reflexis ncrvosis, nervis ad basin in co-
^lam prommentem umtis, fructibus ellipsoideo - globosis obliquis. — *Manga foelida*
Himph 1 t I 98
- (3. *sphaeunAea* Polnsminonbus, pamcula subpubescente, fructibus spbaeioideis
- y. *Hiollts* Folns (maiusculis) oblongo - lanceolatus, uliique angustatis vel ad
apicem obtusiusculis magis fluuululibus mtidiusculis, fructibus subglobosis.
- o *Laitmi* J-olns ut in a, sed mterdum minonbus minusque ngidis, utnqiu
angustatis \d ad apicem obiususcalis, pamcula glabra, fructibus maximis.
- e. *bnmbom* I olus ul in \ai *kawini*, sed fructibus mmoubus — In Javi tl in
Cochinchn
6. M ALTISSIMV Blanco, floi Fibp. 181 — Mimic I c p 199 no 441. f — Folns
oblongis obtusis, basi acuis coriaceis uansverse vcnosis — In insuhs Philippine.
- 7 M TIMORI INSIS Blume 1 < no. 442 f — Folns oblongis, utunque acutis \el apic
oblusis comcris, subtus glaiu escentibus pai allelo-venosis, pamcula icrminali dnac-
cata folium feio adnoquaiile (jlnbnu&cula), corollac pttalis 4 ovato-oblongis obtusius-
culis eredo-pitcentiluis ad hasm IPIVIS 5 — 7 cleuatis, tnbus medus crassionbus apice
exsen^, fructibus globoli!> — V *glauia* Spanoghe (nee Blume), Linnaea XV. 188.
8. M SPATHLLALFOLIA *Uiamo* 1 t. p 200 no 443 f — Folns obovato- vel spatulato-
oblongis, ad apicem obtusis \cl lotundatis vel ictusis couaceis, pamculis terminalibus
ot axillanbus subcoiymbosis (glabns), corollac peialis 4 patentibus lanccolatis obtusis
medio appendiculis 3 inaequalibus, media mullo ciassiore verrucoso - lacci ata — In
Borneo australi
- » M. SIMILIS Bluine 1. c no. 444. f — Folns oblongo-lanceolatis \el cuneato-oblongis,
utunque acutis vel ad apicem obtusis coriaceis, pamcula icrminali elongata, laxa (pu-
berula), corollac poialis 4 ciccto-patenlibus elliptico-lanceolatis oblusis, medio ap-
pendiculis 3 inaequalibus, intoime^dim majoiic tufla — In Archipelago Indico.

10. *M. RIGIDA* Blume 1. c. no. 445. f — Foliis ellipticis, utrinque acutis vel saepius obtusis coriaceis firmis; puniculis terminolibus laxis (glabris); corollae petalis 4 lanceolatis obtusiusculis, apice reflexis, paulo supra medium appendiculis 3 subaequalibus pupilloso-glandulosis. — Sumatra.
11. *M. MUCRONULATA* Blume 1. c. p. 201. no. 446. f — Foliis ellipticis vel elliptico-oblongis acutis nervoque exserto mucronulatis, basi in petiolum angustatis coriaceis, venis arcualis utrinque obsolete reticulatis. — In Nova Guinea.
12. *M. KEMANGA* Jhuic 1. c. p. 202. no. 449. f — Foliis cuneato-oblongis nervis coriaceis rigidis parallelis-veuosis; panícula terminali maxima elongata (subtomentosa); corollae petalis 5 linearilanceolatis, acutis ad basin glandula lineari; fructibus (majusculis) ellipsoidicis. — *M. fnetiila* Munio, Bijdr. p. 1153. (nec Lour.) — In Archipelago Indico.

5917. SEMECARPUS *linn.*

(UC. Prodr. II.-62. — Wlprs. Repert. V. 416.)

1. *S. HIETEROHYLLA* Blume, Mus. bot. Lugd. Bat. p. 187. no. 427. f — Foliis oblongis v. cuneato-oblongis ovalibus, utrinque acutis v. obtusis v. apice rotundatis v. reusis coriaceis glabris; panícula terminali effusa. — *S. Anacarditum* Blume, Bijdr. p. 1186. — In insulis Sumatra & Java.
- (S. major; Foliis (majoribus "A—1-pcd., 3—5 poll, latis) coriaceis cuneato-oblongis v. ellipticis, utrinque obtusiusculis v. ad apicem rotundatis.
- Y- *angusta*: Foliis (angustioribus, 6—9-poll., IVa — 2'A poll, latis) chartaceis cuneato-oblongis obtusiusculis v. ad apicem rotundatis.
6. *recurva*: Foliis (angustioribus, 4—8-poll., 1—2 poll, latis) coriaceis, rigidis oblongis v. oblongo-lanceolatis, utrinque subacuminatis v. obtusis subfalcato-recurvis.
- i. *S. FORSTERII* Blume 1. c. p. 488. no. 429. f — Foliis ellipticis, utrinque acutis v. apice obtusis coriaceis glabris; panícula effusa. — *Cassuvium sylvestre* Rumph. (ex p.) — Habitat in Moluccis insulis.
3. *S. ROXBURGHII* Blume 1. c. no. 430. f — Foliis oblongo-lanceolatis, utrinque acutis v. acuminatis coriaceis glabris; panícula ramis patentibus. — 6. *Cassuvium Roxb.* in Wgl. Icon. tab. 559? (nec Spr.) — In Archipelago Indico.
1. *S. LOKGIFOLIA* Blume 1. c. no. 430. f — Foliis (maximis) cuneato-oblongis acuminatis coriaceis glabris; racemis paniculatis terminalibus. — *Holigarna longifolia* Spach, Moghc, Linnæa XV. 188. — In insula Roily prope Timor.
1. *S. CAKSIA* Blume 1. c. p. 189. no. 432. f — Foliis oblongo-lanceolatis, utrinque acuminatis chartaceis glabris, subtus caesiis et ad nervum medium puberulis; panícula effusa. — In calcareis Javae.
- * *S. SCABRIDA* Blume 1. c. no. 433. f — Foliis oblongis v. ellipticis cuspidatis, basi acinis coriaceis, subtus et in nervo medio supra scabriusculis; panícula gracilibus axillaribus et terminalibus hirtulis.
- P. *elongata*: Foliis oblongis lanceolatis v. apice acuminatis, basi acutis v. angustatis chartaceis. — In insula Borneo.
1. *S. ZEYLANICA* Blume 1. c. no. 434. + — Foliis lanceolatis obtusiusculis, basi in petiolum angustatis chartaceis glabris. — In Zeylunia.
1. *S. T. FULVWERVERSII* Blume 1. c. no. 435. + — Foliis oblongis cuspidatis, basi obtusis coriaceis, ad nervum medium utrinque tomentosis. — Borneo.

5918. BOUEA *Meisn.*

(Wlprs. Reperl. I. 556.)

1. *li* - *MYUSINOIDES* Blume, Mus. bot. Lugd. Batav. p. 204. no. 452. + - Foliis lanceolatis, utrinque angustatis, venis subtus obsolete prominulis. — In insula Sumatra.
- * *U. ANGUSTIFOLIA* Blume 1. c. no. 453. f — Foliis linearilanceolatis, apice longissime acuminatis basi angustatis, venis subtus obsolete prominulis. — In insula Borneo,

5918A ' CHIYCYCARPCS *Dalzell*.

(Dalzell in Hook Kew gai d misc II 38)

Kloies polY^amo-diojci Calyx quadripaititus persistens, lacinnis ovatis obtusis. Corollae pelala 4, sub disco hypogyno 4-crenato mscrla, oJllongo-hneana, aestivatione imbricata. Stamina 4, sub disci mai^iue inserta, cum petalis alterna usque breviora filamenta libera, anlhcr.io intioisae bilocularcs, longitudmahter dehiscenies. In flonbus masculis ovaiu rudimentum^m nullum In flore **fertili** ovanum unicurr, libeium, sessile, uniloculare, ovulum unicum, e\ apice funicuh complanati e basi locuh adscendentis pendulum, stilus brevissimus; stignid Ciipitafo-discoideum. Diupa supcia, transverse oblonga, depressa, carne j)aica, pulposa, dulci, esculenta, puamine ciustaceo, monospermo. Embnonis exalbuminosi cotyledones crassae, p̄ofunde piano-convexae. — \iboi Indica par\ a folns alternis petiolatis, sunplicibus, oblongis, peninervns, mlegernmis; peliolo nudo, flonbus racemosis, parvis.

1 *GL RACEMOSA Dalzell 1 c. — Habitat in India on en tali s distnciu Concano au-
strah

5919. BLCHA1VUVIA *Rxb.*

(DC Piodr II b3 — Wipis Report 1.556 V 41b)

1. U. ARBOIirSCE'SS Blume, Mus Lot Lugd Bdtav p 183 no 417 f - Ramulis tere tibus, ad apicem puhe scnceca conspersis foliis> oblongis v. cuncato-oblongis ellipticis^p acuiusculis v. obtusis v ictusis conaccis glnbus, pamculis subramosis densiflons obsolete pubciulis — *Comoyeton mbotescens* Clume, liijdr p. 1156
P. *obovaUi* folij> obovatis, apicc rotundatis. — In Nova Guinea
2. li INSIGMS Blume I. c. p 184 no 419 f — Ramulis sub.ingulalis, ad apicera tomentosis, folus lanceolato-oblongis, utrinquo acummatis rarissime apice obtusis x retusi^ conaccis, suliis ad ncivum medium pubcrulis, pamculis lamosi^snius subtoinentositi.. — Boineo,
- 3 B LUCID A Blume I c no 420 f - Ramulis subangulatis, ad npicem pube vix con-
»picua scabudis, Coir* lanceolatis v cllipiicis v. cuncato-oblongis, apice saepius obtusis v rotundatis laio obtuse acuminatis ronaccis glabns, paniculis ramosis laxiflons glabiii. — In Aichipelngo Indico,
- i B SLSSILIFOLIA Blume I c no 421 f— Ramulis subangulatis, ad apicem tomentosis. fuliib tubsessihbus cuneato-oblongis v lanceolatis acuminate, basi angustatis i>ubconaceis, subtu^ id nenum medium pubescenlibus pamculis subramosis puhcrulis — Habitat in s^Ivis montiius insulie Sumaliac
- 5 B MACROPHYLL V Blume 1 u p 185 no 422 + — Ramulis teiclibus, ad apicem lomctosis. folns cuncalo-oblongis, apite lotundatib v retusis basi in peliolum decuirenlibus conaceis, supra glabiib, subtus stellato-puberulis, pamculis clongutis subrainosis tomentosid> — In insulin Sumatra 8L Boineo
- b B. AURICULATA Blume 1 c no 423 f — Ramulis teietibus, ad apicem tomentosis. folus cuneato-oblongis, apice rotundatis v retusis, ad pciolorum basin maigine decurrente aunculalis conaccis glabns pamculis ^ubiarnosis tomentosis — In monlains msularum Sumatra tt Borneo
7. B ? ZEYLANICA Blume 1. c. no 424 f — Ramulis angulatis plane glnbus foliN cuneato-oblongi& oblusis v. plcrumque iotiinduli& \ ielusj!> couaccis glabus -- In Zcjlama
- S B ' PALEMBANICA Blume 1 c p 186 no 425 f — Ramulis terctibus plane glabi.. folm obo\atjs v obovato-oblongis, apico lotundatis \ lotusis coincus ^labi i« — In syl\is liltoralibus Sumauac insulie

5920/, SCXEROCARPA *Hochst* *;

(Wlprs Report V 418)

- 1 SC CAFFRA. Sonder Linnaei XXIII 26 — Glahra Coins unpanpinnaiis petiolo tn-
aono foliolis 5—11 longe pctiolulalis ovaiis ellipticij>e bre\itei cuspidatis mucronatis
jntegernmis |e| paucidentatis* glabns s\ublus palliriis flonbus dioicis spicis icrminali-
Jius abbreMitib sepalis pcalajsque 4 stamimbus 12—15 diupa suboibiculan tulocu-
hn — *Spondias Bnna* Sond mss — Port Natal

5920/2 E VIA *Commers*

(Commers m& in Juss Gen plant pag 373 — Blume Mus bot Lugl Bat p 233 —
SpontUas sect 2 *Cytheraea* DC Prodr IL 75)

I^l lores polv^amo-monoici Calyx panus quinquefidus deciduus, la-
cinns plaeiloiatione valvatis Petala 5 sub disco carnosu crenulato in-
serta sessiha pitentissima, praefloratione \ahata Stamina 10, subae-
qualn cum pelalis jn^eita, ilamtnta subulata libera, antherae intiorsae
«llipsonlcat, utunque emarginatae bifoculares, dorso supia basin affi\ae,
lon^iludinilicr dehiscentes 0\anuin sessile 5-loculare, o\ulain locuhs
solil-uaia c\ apice pendula anatropa Shli 5 bieves crassi, pnmo ap-
proximati dein divergenles, stigmata obtusa truncata Diupa carnosu
putimme lignoso 4—5-loculan sub-3—5-lobo, lobis extus fibrosis v
fchmatis buperne plus minus discretis monospermis Semina mversa
subialcata, testa membranacea, exalbummosa Embryi colyledones
carnosae plano-convexiusculae, radícula brevissima supera centnfuga.—
Vrbores Indiae onentahs et msularum Societatis folns alternis deciduis
impanpinnatis, flonbus pamculatis, liuctibus eduhbus,

- 1 E DULCIS *Commers* mss ex Jus& 1 c — Blumo 1 c no 510 + - toliolis 9—13
ovah-oblongib acummdis coslalit. remote suratis putamme dislinclc lobalo •— *Spon-*
dias Cythera f Jlcvi Sonder It II 222 tab 123 — Gilm De fruct t 103 — *Span-*
(has dulcis Forst — DC 1 c no 1 — In insulis Societatis

^ T ACIDA Blume 1 c p 234 no 511 + Hg 41 — Foliolis 9—17 clliplico-oblongis
cuspuhus tnsverse paiallele venosis remolo crenulatis (slirpis juveniJis argute ser-
rularis) pamcula termmalí patontissirfa flonbus fascicularis v in cjmis pauciflous
collectis puiaminc obsolete lobito — *Spondias uada* Blume mss — *Sp did as* Blanco,
Flor liljp 390 (nee Forst) — *leicbinthoides* Linn — In Archipelago Indico habitat

* E AM\R^Commer!> mss e\ Blume 1 c no 512 +— FOLIOILL> 5 — 11 o\ato v ellip-
tico-oblongib nbiuple acuminati* transveise pmallele venosis integprnmi& pinicuK
l<rnmmli lava dilTusa flonbus glomcrularis puf\mine obsolete lobato — *Mangifera*
3 uinata Koen & Linn fil Suppl 156 — *Spnndias amara* I im — *Spondms Mangifeia*
^Vill — DC 1 c no 3 — Wght Illustr t 76 — *Spondias amara* Hamilt — *Ambo-*
^l «m llhLcdc Hot Milab I 89 tab 50

P *tubiiLidosa* fiuctibus tuberculosis — *Condondnm Malaccense* Rumphl Hb
Amb I 162 tab 61 — In Moluccis

5920/3 BRACOWTOMEIiOUT *Blume*

(Blume. Mus bot Lugl Batav p 231)

lions heimapliroditi Calyx profunde qiiinqueparlitus marccscen<;
l<cnmns o\alo oblongis, conniventibus, lmbiicatis Petala 5 sub disco
ucl<rbulhioimfi obsolete crenulato inseila spatmlato-oblongea cal>ce
p\ulo lon<ior< eiecto-connnentia ipice lecuni pnofloniiono sub-

valvata Stamina 10, cum pcalis mserta eaque adaequantia, filamenta subulata, antheiac mtiorsae, lm(an-oblom>ae, dorso supra basin emarginatam afli\ae, bilocularis, longitudinaliter delnscentes. Charium sessile, quinqueloculare Ovula in loculis sohtana, e\ apice loculi pendula, .matroprn ^l\i 5, longiludjnt slaminum, approximate trassi, mfornc dislincli, smsmri concreti, stigmata terminalia. obtusa sulco mscupta Diupa felobosa, carnoba, supra medium slylorum basibu<* peisistentibus tubeiculata, putamine lenticulan - depresso, subanguJato osseo, maigine foraminulato, 5-v. aborlu 2—3-loculan, loculis ab a\o di\ergentibus, nionospeimis Semina inserta tngono-compressa, testa membranacta tmbryi exalbuminosi cotyledoncs carnosao, piano-con\e\ac, radícula brevis, cla\ata, centnfupa — Aibores Aiclmpelagi India folns exstipulatib alternis lmpanpinnatis, panicuhs a\illanbu<? \ subterminalibus.

- i DR MVNGIFERUM Blunc I c no 50b f — Fulus 5- 8-jugis, foliolo. opposilis IllunisM o\ato-v elliptico-oblongis tcunnnatis, basi inacquih rotundatis glabns, ad \iniium ixillas subtus raio birbatib — *Poupaitta mangifera* filume lJjdi 1160 (exel sMi; — / / *innata* Blanco I lor Filip 393 — *Pumum Duiconum* Rumph, Iij Amboin I 157 lib 5S — In insuli* MoJuccis <t Philippims
- X DR S\LMS1RL Blunc 1 c no 507 f— Foliis 7—9-jugis, foliolis opposilis tlrtinis\c Uliptius \ oblongib acuminitis, bisi subinacquali lolundalis glabris, id\cnirum ixillas Mibtu> Millosis — *Pumum lhaconum syheshc* Rumph I c tab 59 — Pci toium Ai-Lbipel t,uin IndiLuni
- i DR (OSTATLM Blunc 1 c p 232 no 508 f — Foliis 5—7-jugis, foliolis opposiUs alterni>\t ellipticis cum icuminc bre\i obluso \ oblusis basi subaculis ~\ rotundalis cost ito-\cnosis supra g\ ibnj> subtus ^cabnusuhs — In BOIHO
- 4 DR ? CISPIDATUM Blunc 1 c no 509 f — Folns 5—7-jugis foliolis oppositis elliptico-oblongis cuspidatis, ba9i oblique rotundatib v oblusis glabns, in nervo medio sub tus obsolete scricco-puberulis — *Cananum altiisimum* Krthls — In insulis Sumilrt a Borneo

Ordo LXIX. BURSERACEAE *Kmh*

(Mpr^ Rppoil I 557 II 830 V 419. Annal I 201 — *Tircbmlhacemum* ml. 1\ |x Prodr II 75)

5928. BOSWELLIA *Rd>*.

(DC Prodr II 7b — Wlpis Repeit I 557 II 830 \ 419)

- 1 'B POPYRIFERA Hochsl — Wlprs. Reperl V 419 no 1 — A Rich Tent (lor Abjs-sime I 148 f t 33 — *Amyru papyrifeia bchlc* — Wlpis Reperit I 560 no 1 — *Plosslen lloribunda* EndL — Wlprs 1 c 422 no 1 — Lndl Iconogr I nb IIM 120

5929. PROTIOE *Bunn*

(DC Piodr II 78 — Wlpis Reperit I 557)

- 1 'PR JAVAMCUM Burin H Indu W — DC 1 c 78 — Blume. Mus boi Lugd Baia\ p £& no 501 f— *Uua dent at a* Of I t 7H no 14 — *Ami/m nana* R\b — *Clausena nana* Wglit ft Am f

5929/. OAHOPHILLIH *Blume.*

(Blume, Mus hot Lugd Ihl p ^30)

Floies pohtnmo-dioici Ma^c Cal^v pai\us_f cupulari*, qmque-
 lids, piaeiloiahone \al\alus Petala miJla. Stamina 5, segmentis
 c lhcis alterna usque longioia, ad maiginem disci quinquelobi inserta
 t) iisque lobis alioia, filamenta filifounia, anlhuae mlioisae, **ellip-**
 soidoae doibo supia basin emarginatam afhxac, biloculares, longitudi-
 njlilci dehisce nh<<* Pjslilh uidiintnlum o\oidcum, sessile, obtusum
 I em . ' — Aiboi Novae Gmneae balsannkia folns allernis Impari-
 pinnatis extipulalis, ioliolis alteinis bic\ilei petiolulals subfalcatis
 inte^eninus ltsinoso-punctatis, lacemis **axillaiibus** ramosis; flonhn<*<
 panis ebiactalis Miidulis

1 'G F\I f VIUM Blume I c no 505 f — In >o\ a Guinea

5930 BAIISAMODEtfdROIir *hnlh.*

(DC Piodr II 76 — Wlprs Repert I 558 II 830)

- 1 R MIKUL Hook Kew gard misc I 259 tab 8 — Spmscens partibus novellis cum
 tihco pube capitata decidua conspersis folus \el simpliobus obo\atis antico srrnto-
 drntatis ^el tloliolatis foliolo medio saepissimc rhomboidco-OMh cum foliolis 1 ito-
 Mlihus confoimibus dimidio minoribus undulato obliquo inciso - sen ato caljce « am-
 panulaio petalis ligulalis npicc rflexis stamimbus oppositipctalis disci in acquidentati
 profundiuobus recessibus sitis carppllis (quotquot sint) perfeciiis fructus ovoidco-
 acumniati ad basin talvce llso cmarcido stipali, valvulis epicarpiabus inlegris meso-
 carpuque c\aihiloimi!> mji{,inc quadiilobati lobu puenaum >ciliceoi acumindtum at-
 liiigtutibus — *B lloibinqlui* Stocks in Bomba\ Transact 1847 (exel svn) — Ciescit
 in Inchi OIK mill
- 2 U PLDrS (I \S Stocks in Homba\ Tinned 1847 c\ Hook I t. 264 t 9 t — Inerme*
 pitibii!> novcllis pulil drtoigibili subfuifuiosis, (bins bi — tjugis cum nmpari, folioli*
 niU_Mib n< dio ol)O\ito ldtenhbus saepibsinic ublongo - obo\atis, taljce urceolato-
 (impmuhlo pclili^ obo\ uo-atutis, apicc palentibus staminibus acqulongis in disci
 icquiduiiu sinubus sin, o\au bicarpdlans loculo alltio penilus abortiNO fructus
 o\ol>o>o-acuti id bum caljco inlegro emacido £>tipali >abulis a basi semibifldis
 iiKsoiipuque cvatliifoimis margine quidndentati deniibus p\renaruin verticoiu obtu-
 sium hand atungentibus — Ciescit in India onentali

5932. ICICA *Aubl*

(DC Piodi II 77 — Wlprs Recept I 558, Annal I 201)

- 1 ' MIUNAMCNSIS Miq Stip Suunamens. select fa5 f — Ramulis slnato-subangu-
 1111s t'libn^ fusrulis, nascentibus cum petiolis pilis raussirms fugacibus adsporsis. fo<<*<
 11u'>s tnjiigji cum impan, lhaclii ad inseitionem petiolorum subnodosa, foliolis mem-
 'o'^aceij, mla_bns spatse pellucido-punctulatis oblongis. in acumen linenro obiusum
 modicum dcsiinntibus. basi inaequilatcalitei acutis. racemis axillanbus el supra-axil-
 toribus biMbus aggregatis pubeiulib, alabaslns ovatis, calvce glabnuscuro tepando-
 luadndenticulato. petalis. quatoor clipticis acutis. secus marginem mtusque puborulis,
 10ne vs slaminibus octo, filamentis bievibus, onlbtnslineanbus (Qoi mascul) o\ano
 h\avui i stipinio globoso styloque brevi glabns. stigmatibus quatuor capilellatis con-
 tatis liuctu (immatuio) venuculoso — front m Sunnani prope Oianjewoud
- 2 I IKJSTMANM Miq I cit. 66 f — Ramuli9, petiolis nenoque medio sublus parco
 r"<M> LIUS impaii-opposito-pinnalis foliolis tii|ugia peiioiulatis elliptico-oblongis
 > acuintn lineaic modicum obtubiin <K^incutibu^ babi atuli*>, plerumquo subobliquis
 1'iuu \tntjsis i KCini luMibu*. uilhului- >i panlo Mipn. mllunbus saepe geminis

puberulis paucifloris, alabastro subglobosis: calyce quadriidentato puberulo petalis quatuor, apice introrsum denticulo terminatis, marginibus pilosis, dorso glaberrimis — In Surinam

5935A SABBOTRIA Blume.

(Blume, Mus bot Lugd Batav p 211)

Flores hermaphroditi v. abortu polygami Calyx parvus, cupulans, indentatus v. breiter infidus, persistens, praefloratione calvatus Petala 3, sub disco annulari cainoso crenulato v. integerrimo ovario hinc cingente inserta, late ovata, suboblonga, sessilis, in praefloratione subimbricata, per anthesin patens Stamina 6, sub disco inserta, petalis brevioribus, subatque altera brevioribus, filamenta subulata, libera, erecto-conspicua, antherae ellipsoideae, introrsae, biloculares, dorso supra basin emarginatam affixae, longitudinaliter dehiscentes. Ovarium sessile, ovoideum, 3-ranissime 4-loculare Ovula in locis gemma, angulo centrali supra medium collatim affixa, anatropa Stigma sessile, capitato-3- A. ranissime 4-gonum Drupa depressoglobosa \ oblique ovoidea, carnosa, putamine osseo, oblique 3- \ 4-gono, 3—4-loculari, locis (quorum 2—3 oblitterati) monospermis. Semen inversum peltatum affixum, testa membranacea. Embryi exalbuminosi cotyledones carnosae, irregulariter fissae, contortuplicatae, radícula filiformis, supera — Arboribus Indicae balsamifluae foliis alternis imparipinnatis exsimplialibus, floribus parvis subcymosis

- 1 S TOMENTOSA Blume 1 c p 211. no 460 + — Foliolis 4—9 ovato- v elliptico-oblongis acuminatis, basi oblique lobatis, subtus et rhachibus paucisq; tomentosis fiuctibus subglobosis obliquis — *Amoora tomentosa* Krthls mss. — In sylvis montanis Sumatrae.
- Z S LAEVIGATA Blume 1 c no 461. f — Foliolis 5—7 ranissime 9 oblongis obtusiuscule acuminatis, basi oblique rotundatis glabris fiuctibus subglobosis obliquis — *Amoora liobuigtana* Krthls mss
- P *applanata* Fohohs elliptico-oblongis v. oblongo-lanceolatis, basi minus 10-tundatis. fiuctibus ellipsoideo-globosis hinc magis applanatis — *Cananum altissimum* Kitchins mss (nee Bl) — In sylvis montanis Sumatrae.
- 3 S OBLONGIFOLIA Blume 1 c no 462 f — Foliolis 7—11 obtuse acuminatis, basi acutis v. obtusiusculis glabris, subtus et rhachibus paucisq; obsolete furfuraceo-lepidosis, fiuctibus oblique ovoideis — In Java, Sumatra & Borneo
- 4 S MOMANA Blume 1 c p 212 no 463 f — Foliolis 5—9 (ranissime 3 v abortu solitariis) ovibus v. elliptico-oblongis lanceolatisve obtuse acuminatis, basi subacutis v. oblique rotundatis glabris, in nervo medio subtus rhachibusque obsolete senecopuberulis — *Cananum montanum* Krthls mss — In sylvis humidis insulae Borneo
- 5 S RUGOSA Blume 1 c no 464. f — Foliolis 5-7 (v interdum 3 aut abortu solitariis) ellipticis v. elliptico-oblongis longe obtuse cuspidatis, basi acutis glabris subrugosis. in nervo medio subtus cum rhachibus paucisq; obsolete furfuraceo-puberulis — In insula Borneo.
- t> S VIRGATA Blume 1 c p 213 no 465 f — Foliolis sub-5 (v interdum 3 aut abortu solitariis) ellipticis obtuse cuspidatis, basi subacutis glabris, in nervo medio subtus cum rhachibus paucisq; subtomentosis. — In sylvis insulae Borneo

f *Species dubiae*

- 7 S i RUFESCENS Blume 1 c no 466 f — Foliolis 9—13 oblongis acuminatis, basi oblique rotundatis v. obtusis, subtus et supra in nervo medio rhachibusque obsolete puberulis — In insula Sumatra
- H s ? ROSTRATA Blume 1 c no 467 f — Foliolis 9—11 ovibus longe obtuse cuspidatis

basi oblique rotundatU v. obtusis, in nervo medio subtus rhachibusque obsolete sericeo-puberulis. — In insula Borneo.

-)). S.? RUBIGINOSA Blume I. c. no. 468. f — Foliolis 5—9 oblongis laeocelatisve obtuse acuminatis, basi oblique attenuatis rhachibusque glabris. — In Sumatra.

5936. CASTARHTKI Linn.

(DC. Prodr. II. 79. — Wiprs. Repert. I. 558. II. 830.)

1. C. MOLUCCANUM Blume, Mus. bot. Lugd. Batav. p. 216. no. 470. f — Stipulis petiolaribus triangularibus vel lingulatis serratis; foliis 7—11 elliptico-oblongis acuminatissimis integerrimis glabris; panicula terminali laxa divaricata; floribus 2—3-nis glomeratis, bracteis involucriatis. — *C. commune* L. (ex p.) — *C. Mehenbethe* Grtner Oe fruct. II. 98. tab. 192. (excl. syn.) — *C. vulgare* etc. Rmph. Hb. Amb. II. 146. — *Mehenbethe capillata* Bessl. Mus. 22. tab. 5.
p. *obtusalum*: Foliis breviter acuminatis; fructibus aliquanto minoribus. — In Moluccis.
2. C. ZEPHYRINUM Rmpb. I. c. II. 151. tab. 48. — Blume I. c. 217. no. 471. f — Stipulis petiolaribus triangularibus inciso-serratis, foliis 9—13 ovato-oblongis acuminatissimis, basi rotundatis integerrimis glabris; panicula terminali laxa patente; floribus 2—3-nis glomeratis, bracteis involucriatis. — *C. commune* (*J. zephyrinum* Willd. — DC. I. c. II. 79. — In Moluccis.
3. C. MAURITIANUM Blume I. c. no. 472. — Foliis exstipulatis, foliis 5—7 ovalibus vel ovalis acutis integerrimis glabris; panicula terminali laxa patente; floribus aubracemosis. — *C. commune* Wght. fie Am. (nee L.) — *Colophonia Mauritiana* DC. Prodr. Ij. 79, Deless. Ic. select, tab. 56. — *Bursera paniculata* Lam. — In insula St. Mauriti.
4. *C. ZEYLANICUM Blume I. c. 218. no. 476. f — *Balsamodendron? Zeylanicum* Kth. — DC. I. c. 76.
5. C. GLAUCUM Blume I. c. p. 219. no. 477. + — Foliis exstipulatis; foliis 7—9 rarissime 11 ovato- vel elliptico-oblongis obtuse acuminatis, basi rotundatis subrepandis, subtus glaucis et in nervo medio, petiolulis rhachique parce tomentosis. — *Rhus Melintongensis* Krlhls. mss. — In Sumatra.
- ti. C. TOMENTOSUM Blume I. c. no. 478. + — Foliis exstipulatis; foliis 9—11 ovato- vel elliptico-oblongis breviter cuspidatis, basi subrotundatis, ad apicera serrulatis, subtus, petiolulis rhachique ochraceo-tomentosis. — In Archipelago Indico.

5936A. PIIDBIIA Lour.

(Lour. Flor. Cochinch. II. 495. — Blume, Mus. bot. Lugd. Bat. p. 219.)

Flores polygamo-dioici. Calyx tubulosus v. cupuliformis, breviter infidus v. tridentatus, persilens, lobis aequalibus, valvatis. Petala, sub disco sulcato inserta, sessilia, oblonga, praefloratione margine sinuata v. imbricata v. valvata, per anthesin erecto-patentia. Stamina 6 raro 7—8, sub disco inserta; filamenta compresso-filiformia, subaequalia, basi monadelphae; antherae introrsae, oblongae, basi affixae, biloculares, longitudinaliter dehiscentes. Ovarium sessile, 3- rarissime 4-loculare. Ovula in loculis gemina, anguli centralis apici collateraliter appensa, anatropa. Stylus brevis v. nullus; stigma capitato-3—4-gonum. Drupa carnosa, putamine osseo, trigona, 3- rarissime 4-loculare, loculis (quorum 2 v. 3 saepe effoeti) monospermis. Semen inversum, testa raerabranacea. Embryi exalbuminosi cotyledones foliaceae, profunde partitae, contortuplicatae; radícula brevis, supera. — Arbores balsamifluae in Asia tropica indigenae, habitu Canari,

sect I Calyx infidus. Petala in pncfloiatio subinbucala Stamina coiolla bilMora, m alabnstns lecla Cham rudimentum in flonbus ma«-cuh» Shins bicvis Inictus laevis

- 1 P MGK\ loin I c — Blume 1 » p 220 no 473 f— Foliolis 9—11 oblongis aulis uitegcinmi» in leqmlateis glabus noemis laitnliliis siinjilicilius — *Lmun mm PimcJ i Roen* — In Cotbinchmac s\Ivis
- 2 P \LBV loui I t — Bluint 1 L no 480 f— Folioli* 11—13 o\ato hntcolalis inic-jerMiiii» supn ghbris sublus scabus riccnus confcitis »ubteiminalibu«> — *Caniuiwn a/6iiii K ius»cli* — DC Piodi II 80 no b — Habitat m LocluiiUiin i
- 3 P. LU/OMCA Blume 1 c no 481 f— Foliolis »—11 o\alo - oblongis icuminatis* inlegemmis glabris p iniculis vel raccmis axilhribus — (*ananum album* Blanco Floi Filip 79J — In insulin Philippine *
- 4 P hIPI I LA Bliine 1 t no 482 f— Foliolis 9—13 o\ills \cl o\ato -oblongis lancco-
lutsve oblubiuscule acuminatis bnsi ^ub^otund^tis ^el oMusis integrcnmis g-labris
rccomis conf(Si U» subteiminalibus — *Cananum Pimcla* Blunie, Bijdi 1162 (nee ilior) — II tbildt in -sjlvis montanib Javao
- > P OLIOS\Lo*ui 1 t 496 — Blurac Mur* bot I ugd BaL p 221 no 483 f—Folio-
lis 7 — 11 (\cl abortu 5 w\ 3) oblongis lanccolatis^e bie\iler obtuse acuminatis basi
iculis \cl oblique roiundalis mtegeriimis \cl subrcpandib glabris pnculi> (\cl ratt-
inis I imosis) axillaribus elongatis Ia\flori!> — *Amyut oleoi>a* Lam — (*ananum mi-
ttucui mn* Willd — DC 1 t II 79 — (*uncuium laufigoium* Dene — Wlpis Repeil
I 55*) no 3 — *Cunannm minimum* Rmph lib Ambom II 162 lib 31 — In Mu-
luccis Timoi
- f> P KITF \UO Blume 1 c no 484 f— Foliolis 13 — 17 oblongis obtuse icuminitii*
IMM oblique rotunduis integeinmis \d ^ub^epandls glabris vel subtus subpubescen-
tibus — Java
- 7 P ACUTIFROLIA Blume 1 c no 485 † — Foliolis 5—7 oblongis obtuse acuminatis m-
L<g-ei tiinia» tjabus* piniculij axilhnbu> thvancati> — *Mangma aculifolia* DC 1 c 7»
— In Moluccis
- H p LAXIFLORA Blume 1 c no 486 f — Foliolis sub-9 elliptici!> cum acumine bit\i
(blubo bat.l obliquis subrepandis glabris pamcuhs axillanbus dnancatis — *tanatum
Uniflnnim* /ipp mss (nee Dene) — In Moluccis
- M P LI GITIMA Dlmnc I c p 222 no 487 f — Foliolis 5—11 ovalo - vpl elliptico-
oblongis icuminatis, bnsi oblique lotundatu* integeinmis ghbiis raccmis simpliubus
uilluibus soliUrns in coirmbum teinunalom approximatis — *Dammai a niqi a legit mm*
Rmpb lib Ambom II tib 51 - In Molucca cl in ^a Guinea
- 1U P RIOIDA Bluinc 1 c no 488 f — Foliolis 13—25 lanccohtis acumiriaissimis biti
iotuiulali> ^D\ subtordilib integrcniis glabris, pamcuhs axillaiibiii, cyimfen^ — *Cu-
nanum rujidum* /ipp mss — Habitat in rso\ a Guinea
- 11 P DRIIOrOMV Blume 1 c no 489 f — Foliolis 7—11 oblongis \ol tllipiiLO-oblou-
BMS acunnnaais, basi acutiusculis integriimis glabn^ cmi> dichotou^ in panicul mi
tcimnalcm **Invam** di^posilis* — In Sumatra insula

f Species vix nota

- U *P GAR\OPU\II ACEA Blume 1 c no 490 — *lanatum Sinenst teiln spiuco fai-
gio tana* Rumph Herb Amb II p 154

sect II (AISWOPSIS Calyx Indentatus \ bievitei tnlobus. I'ctald in piatfloiatioe ^al^ata Stamina coiollam adaequantia \ ea longiora, m alabastus mcunala 0\ani rudimentum in flonbus mascuhb nullum. Stigma sessile Fructiuj pleiunique hibpidus

- \i P GLVBRA Blume 1 c. no 491 f— 1-oliolis 13—17 ovatis dtunnnalis mtegerimms
glabris — *Hosutllia qlabia* Rxb — DI Piodr II 76 — *Lunanum balsamiferum*
Willd — * c (*loifnurn lae/e* Rmpb lib \mb II 156 — In Molucca

- 14 P HIRSUTV Blume 1 c p 223 no 492 f — Foliolis 17—21 oblongis acuminatis integerrimis hirsutis — *Burseria lursula* Rxb — DC 1 c — In Moluccis insulis
- 15 P DJ CLMAN V Blume 1 c no 493 f — FOLIOLIS sub-13 elliptico-oblongis integerrimis subtus mucosius — (*Canarium ichmum* Rmph — DC 1 c 80 — la Moluccis instill*)
- 16 P MILLOS V Huiic I c no 494 1 — foliolis 9—13 oblique onto-oblongis acuminatis integerrimis subtus mucosius — *Canarium cinnamomeum* Blanco Flor Filip 791 — In mtulis Philippine
- 17 P HISPID V Blume 1 c p 224 no 490 f — Foliolis 15—25 oblongis acuminatis integerrimis subtus mucosius — *Canarium hispidum* Blume — Wlps Rcpol I 559 no 5
- P *pullaii* Colioium rlncln & subtomeruosi foliolis chaitaceis minus rigidis
1 icuim axillibus*
- Y *imbricata* foliorum iliacin ghibiuscula foliolis multinerviis subimbricatis ramulibus masculinis niagis elongatis
- ^ *aha* foliorum lacin glaberrimis foliolis compositis subtus glaberrimis us culls — In Jilana insula
- 18 P ALTISSIMV Blume I c p 495 no 496 f — Foliolis 9—23 oblongis cuspidatis integerrimis minutissimis denticulatis barbato-ciliatis utrinque inaequalibus — *Lanauum allissimum* Blume — Wlps Rept I 559 no 6 — Java

f *Species minutae*

- 19 P PALM (IJLG) Blume 1 c 226 no 497 f — Foliolis 7—9 oblongis acuminatis integerrimis gibus — *Canarium odouforum* Rmph 1 c — In Moluccis
- M 1 ANGLSTIFOI IA Blume I c no 498 f — foliolis 21 planibus linearibus acuminatis integerrimis mucosius — Habitat
- il V LOR (RIGILAR) Blume 1 c no 499 f — Foliolis sub-7 ellipticis vel elliptico-oblongis acuminatis denticulatis bubulo ulditis inaequalibus — In Moluccis
- ^ P SINGAPORENSIS Blume 1 c no 500 t — Foliolis 9—15 ovatis vel ovato-hurculatis integerrimis subtus mucosius — *Canarium stictum* Rxb — Wlps Kcpol I ns no 2 — In peninsulae Indiae orientalis

5937 HEDWIGIA Surf:

(DC Piodr II 80 — Wlps Rcpol I 559)

- 1 II HEDWIGIA Su. — DC Piodr II 80 — 17 *Tusactu* Wlps Rept I 559 - *Hedwigia* In os ui Gum Fiuct II 130 tab 109

Ordo LXIX^a JUGLANDEAE i>c

III^U ^tu il_d pag 1125 suppl III pag 99 IV p 94 - Wlps Annal bot syst I pag 201)

5889 CIRYA Mtt.

N^o H Ocn II 220 — \ Gray Manml of bot of the Lintel Sli uos |» Hi)

- J ^ CLGIA (S Muhlenberg) M ABRA Torr Flora New York II ibz f tab 101 — A , Gay 1 c p 412 no 5

* *C TOMEMOSA >utu — A Gnj 1 c 412 no ^ — Tono\ 1 c f tab 100

5890. JUGLANS Linn.

(Linn. Gen. pi. no. 1071.)

1. 'J). NIGRA Linn. — A. Gray; Manual of bot. of the United States pag. 411. no. 2. — Morren, Annales de la soc. d'hortic. de Gand IV. 179. tab. 197.

5890/2. FORTUNARIA Lindl.

(Wlprs. Annal. I. 201.)

- i. 'F. CHINENSIS Lindl. — Wlprs. 1. c. 202. no. 1. — Van Houtte, Flore des serres IV. 326 b c. tab.

Ordo LXX. CONNARACEAE R. Br.,

(Vjpn>. Repert. I. 561. V. 420, Annal. I. 202. — *Trecbinthaccarum* trib. VII, DC. Prodi. II. 34.)

Tribus I. CONNAREAE Planchon, Linnaea XXIII. 411.

Semina exalbuminosa, calycis aestivatione imbricata.

A. *Radicida ventrem carpelli spectans, - umbilico parallela.*

I. BYBOSCARPITS Schum. y Thonn.

(Schum. ft Thonn. Pl. Guin. I. 216. - Planch. Linn. XXIII. 411.)

Calyx 5-partitus, laciniis ovatis, membranaceis, aestivatione abasialibus imbricatis. Petala 5, laciniis calycem alterna et eis longiora, aestivatione imbricata. Stamina 10, calyce longiora, alterna petalis opposita breviora; filamentis subulatis, ima basi in antheris confluentibus; antheris obovato-subrotundis. Ovaria 5, hirsuta, in stylis totidem breves, apice capillato stigmalicis pro ducta; ovula 2 basilaribus, collateralibus, ascendens, hemianatropis. Capsula abortu solitaria, calyce hercuro el accretio cupulata, sessilis, oblonga, chartacea, dura ventrali deliiscens, abortu monosperma. Semen a basi loculi ascendens, leste nitida, media parte inferiore arillari adhaerente cupulata; embryonis exalbuminosi cotyledonibus piano-convexis, transverse oblongis, radicle horizontali, conica, hanc exserta, ventris carpelli medium spectante, umbilico parallela, plumula radicae conica, villis paucis nitentibus fragilibus rufidulis ornata.

- 1. B. COCCINEUS Schum. & Thonn. 1. c. — Planch. 1. c. 412. (absq. diagn.) — Glabra: foliolis 7—11 (parvis) oblique ovali-ellipticis orbiculatisve obtusissimis retusisve membranaceis vel demum coriaceis reticulatis; cymis laxae 3—5-floris; staminibus stylo duplo superantibus. — *Rourea coccinea* Hook. fil. Nig. Flora 290. f. — Crescit in capiv Palmas, in Senegambia et Guinea.
2. #B. PUMCEUS Schum. ft Thonn. 1. c. - Planchon 1. c. absq. diagn,

B. *Radicula supera umbilico contraria.*II. BERUJARDFVIA *Planchon.*(Planchon. *Linnaca* XXIII. 412.)

Calyx campanulatus, 5-partitus, Jaciniis ovalis, aestivatione imbricatis, demum deciduis. Petala 5 calycem breviter excedentia. Stamina 10; filamentis subulatis, basi ima in anulum confluentibus. Ovaria 5; ovulis geminis, collateralibus e basi loculi ascendentibus, orthotropis. Carpella 2—5 (fere numquam abortu solitaria, abortivis semper ad basin fertilium conspicuis), basi in stipitem brevem crassum attenuata, deorsum incurvata, styli basi apiculata, ventre demum hiantia, pericarpio crasso. Semina abortu solitaria, basi strato arillari testae atrae, lucidae, fragili adhaerente cupulata, ellipsoidea; embryonis exalbuminosi cotyledonibus piano-convexis ellipsoideis, radícula minuta, supera.

1. *B. FLUMINENSIS Planchon 1. c. 413. — *Rourea Fluminensis* Gardn. mss. — Rio de Janeiro.

III. ROITREA *Aubl*(Aubl. *Guian.* I. 467. tab. 187. — *Santaloides* L. *Flor. Zeyl.* no. 408. — Planchon, *Lionaea* XXIII. 413.)

Calyx quinquepartitus, laciniis ovalis, a basi aestivatione imbricatis persistentibus, capsulae basin arete amplectentibus, leviter accretis et induratis. Petala 5 laciniis calycinis alterna et eis longiora. Stamina 10, filamentis subulatis, in anulum confluentibus. Ovaria 5 sessilia, 4 saepius abortiva, ad stylos stylo fertili aequilongos reducta, ovulis geminis collateralibus, e basi loculi ascendentibus, stylis subulatis, siliomatibus capitellatis. Folliculus sessilis venire dehiscens, abortu monospermus chartaceus. Semen erectum membrana arillari antice secus lonpiludinem fissa involutum orthotropum, testa fragili; cotyledonibus piano-comexis, radícula supera conica. — Frutices tropici: foliis imparipinnatis; racemis v. paniculis axillaribus plurifloris; floribus pedicellatis.

- 1) Dalbergioideae: Foliola non multijuga.

a. *Americanae.*

- *. ³R. FRUTESCENS Aubl. 1. c. I. 467. t. 187. J- *Connarus fubescens* DC. *Prodr.* 11.85.— Planchon I. c. 414.
- *. ³R. GLABRA Il.B.Knth. *Nov. gen.* VII. 41.—Planchon 1. c — *Connarus glaber* DC. 1^a V rima: foliolis 3—5 petiolulatis, oblongis (1V)»—2% poll, longis) obtuse acuminatis, basi obusis v. subcordatis v. acutiusculis, integerrimis, reticulazione utrinque prominente; bracteis innorescentiae basin stipantibus brevibus triangularibus; racemis compositis folio brevioribus, pedicellis fructiferis calyce longioribus; folliculo oblongo, (8—9 lin. longo), calycem 3—4-plo superante, glaberrimo.
- P- *flouunda* Planchon 1. c. 415. — Foliolis 3—7; paniculis multifloris axillaribus ei abortu folii pseudo-terminalibus, folio longioribus. — In Mexico prope Acapulco.
- ⁴R. PAUCIFOLIOLATA Planchon 1. c. 415. — Ramulis sarmentosis, rhachibus calycibusque extus adpresse puberulis; foliolis 1—3 oblongis obtuse acuminatis, basi obtusis. margine integerrimo non revolulis, glaberrimis, reticulo nervorum venarumque utrinque proinulo; et bracteis (inflorescentiae basin stipantibus) subulatis, spinescentibus persistentibus; racemis (compositis) axillaribus, folio parum longioribus.

- bracieolis seiaceis $1/2$ — $1\frac{1}{2}$ lin, longis pedicellis cañci subacqualibus lacirnis cahcinis oblongis petalis oblongis cañcem iluplo, stamina tricte bupciantibus \ ea subacquantibus shlis calyce bicMonhus — In Jamaica
- 5 R RLVOLUTA Phnthon I c 415 — Ramulis, peliolis foliisque subtus pilis simplicibus plus minus dense pubescentibus foliolis 5—7 brevissime petiolulatis oblongo- < ellipticis bievier el .uuliusculo acuminntis, basi loiundala emargmatis, margine iccgmiuo lcvoluiib, supm glabeinnus (siccitalc fuscis), reliculo vcnularum tenui utnnque prommulo, biacteis (infloiescenliae basin slipantibus) subulatis, $V/2$ — I Jm longis, lacemis (compositis) axillaihus 1—3, folio bievioubus ihachibus dcbilibus sub lente spaise pilosulis pedicellis 2—3 lin longis calycibusque glabus lacinns calycims ovalo-oblongis lanugino oliolais, petals oblongis glabus calscem duplo, stamina longiora tncnto superantibus, stjlis ovauis subaequilongis — In Guiana Bn-lannica
- i, R RETICULATA Planchon I c 416 — Ramuhs, potiolis, novellis lhacmbus caljibusque pube adpiessa lufldulis, foliolis 5—7 bicvissimo pcliolulatis, o\atis, 1— $1V_2$ poll longis, acute v oblusiuscule acumiualis, basi bievitei cordatis, maigine mcrasalo integernnus glabeminis conaceis mtidis, reliculo \cnarum nervorumque utnnquo cle\ato pamcuhs axillanbus et lerminalibus bieubus pedicellis bievisimis. lacinns taljciniis ovalis, apiculalis petalis oblongis, 3 lin longis, glabns, calycem duplo supciantibus stylis pilosulis caljcem subaequantibus — In Drasiliae prOMiicn Pein unbuco
- 7 R I RATLRNA Planchon 1. c 41b — Ramulis peliolis, novellib iliatlnbus calyobusque pubc adpics^a mflldulis, foliolis 3—5, ovatis v. ovalo-oblongis, 1—2 poll longis, obtuse acumiiKitis, basi lotundata in petiolum levitei piolractis (el mde acutiussulis), margine ciassiusculo subicllcio iniegenimis, supia glabeuums, mtidis, subtus secus contain mediaiu lantum adpicsse pubeiulis, nervis teiliarus >upia impressis, omnibus iubtus in reticulum laxum pioimnenlibus pamcuhs axillaubus et Lerminalibus, folio bie\ionbus v longionbus, pedicellis brevisimis, lacinns caljcinis ovalis apiculalis, petalis oblongis glabns, cañcem duplo superantibus, sljlis pilosulis caljcem et stamina mi nor a subaequantibus — In Uiasiha tropica
- 8 R INDUTA Planchon 1 c 417 — Undique indumenlo plus minus denso lufescens foliolis 3—5 breMssime petiolulatis ovato-oblongis, $1\frac{1}{2}$ —2 poll longis, in acumen bic\c acutiussculum emarginatum produLtis, margine mciassaio non icvoluto integcinnis \ obsolete cronulalis, reliculo ^onarura nervorumquē ulnnque conspicue ele^alo, pamcuhs infenonbus axillanbus brevibus, terminali folio longiore flonbus conplomeiato-cymosis, subsessilibus (amphusculis), lacinns caljcinis late ovatis, apiculatis, jjubescentibus, petalis oblongo-obovalis, cahce duplo longionbus glabns, slanimbus longionbus potala subaequanlibus, ovnrus hirsutis, stvlis brevibus glabnusculis — In Brasilia tiopica
- M R GARDNLRIANA Planchon 1 c 417 — Glabernma foliolis 3—5 petiolulatis ovato-oblongis, l — V/i poll, longis, atuliuscule acuminalis, basi rolundatis, margine tenui integerumia ngide chartaceis, roticulo venarum neivoiumque ulnnque prommulo biacteis inlloiescenuae basin slipantibus minutis, tnangulan -subulalis, pamcula fi' mnali lamosissima confertiflora, folns longiore, pedicellis enñee bievioubus hcinin cUjcjnns oblongis, obtusis, mtus pubescentibus, petalis oblongis glabns (exsiccatibus pallide Hnescentibus), calycem duplo supetantibus, stamina majoia glabia subaequantibus, sixlis pilosulis brevibus — In Brasiliae prov Pernambuco

b. *Gerontogae.*

- 10 R AFZFLH Rob Bi mss ex Planchon 1 c 418 — GlaberHma foliolis 3—5, o\atis \ ovalo-oblongis 1—2 poll longis, longe et obtuse cuspidalis Integeinmis, ngi^e (hartatejs, sicciito saturate fuscis, venularum lericulo laxiusculo ulnnque pioimnulo lacemia axillanbus 3-5, 1—2-pollilanus 6-12-flons, pedicelhj, gracilibus Hoie longioiibus rolliculn oblongo 7—8 lin longn, nljcem 5-plo superntt — Sieii» Leone

11. "R. SANTALOIDES Wght. 8c Am. — Planchon 1. c. 418. — *Connarui santaloides* Vahl, Sjmb. HL. 8. — DC. Prodr. II. 85. — Wlpt*. Ropert. I. 561. no. 2.
12. R. MULTIFLORA Planchon 1. c. 418. — Ramis tereibus; petiolis subpruinosis glaucorubesceniibus; foliolis 7—13 petiolulntis subaequilaleris oblongis, 1—2 poll, longis, obtuse acuminatis, basi subacm̄is, integerrimis, rigide chartacois, glabris, subopncii, subius pallidioribus, reticulo venarom nervorumque utrinque prominulo; racemis (composius) axillaribus, fasciculatis, folio brevioribus; bracteolis subulatis, caducis; pedicellis 3 lin. longis, supra basin articulau's, sursum incrassalis calyceque glaberri- mis; laciniis caljcinis oblongis ciliolatis, apice barbularis, post anhesin arete cooni- veniibus; petalis lineari-oblongis calycem duplo superantibus* — In insula Luzon.
13. R. HETEROPHYLLA Planchon 1. c." 419. — Glabcmma: foliolis 1—3 petiolulatis, ovalis v. ovato-ellipiicis, i'½—2/a poll, longis, obtuse et longiuscule aenminatis, basi obiusis integerrimis, rigide chariaceis nitidis, reticulo nervorum et venarum utrinque prorainenie; racemis (compositis) axillaribus fasciculatis, folio brevioribus; pedicellis 3—4 lin. longis, supra basin articulatis; bracteolis minutis laciniisque celycinis ovatii, apice barbulais. . . . — In insula Luzon.
- U. R. PULCHELLA Planchon I. c. 419. — Glaberrima: foliolis 3—7, longiuscule petio- lulatis ovato-lanceolatis, 10—16 lin. longis, sensim obtuse acuminatis, basi aequila- tera v. rarius inaequilaicra sub a cut Is, integerrimis rigidulis nitidis (saturate castaneo- fuscis), reticulo venarum et nervorum utrinque prominie; racemis (compositis) aiih- hribus ternis, folio brevioribus v. ei subaequalibus, pedicellis 4—5 lin. longis, calyce 3—4-plo longionbus, infra medium ariiculatis; bracteolis minutis, barbulais; calycis 5-fldi laciniis ovato-subrotuadis obtusis ciliolalis; petalis oblongis calycem duplo superanlibus. — Malacca.
15. R. GAUDATA Planchon 1. c. 419. — Glaberrima: foliolis 5—10 petiolulltis oblongo- lanceolalis, longe el obtuse caudalis, basi aculis, margine incgrrimo plantis, reticulo * vcnularum densiusculo ulrinque prominulo; racemis (compositis) azljlaribus. 1—4, folio multo brevioribus, pedicellis calyce longioribus, fructiferis incrassatis clavalis; laciniis calycinis ovato-subroiundis, ciliolalis; petalis oblongis obiusis, calyce duplo longioribus; slaminibus exsertis; folliculo oblongo, mucronato, 10—12 lin. longo, glaberrimo. — In Assanua.
16. 'R. MILLETHI Planchon 1. c. 420. — *Connarus Roxburghii* Hook, ft Arn. Dot. Beech, voy. 179.
17. *R. COMMUTATA Planchon 1. c. 420. — *Cnestis monadelpha* Rozb. Gat. hort. Cole.¹ 34. — DC. Prodr. II. 86. — *Connarus monadelphus* Wall. Cat. 8547. B.
- ^m *R. spec, indescr. in Wall. Cat. 8548.
- ¹⁹ #R. spec, indescr. in Wall. Cat. 8549.

f *Species hujwt sectionis addendae.*

- *^o. H. HUMILIS Blume, Mus. bot. Lugd. Batav. p. 262. no. 581. — Foliolis 3—7 breviiier Petiolululatis, e basi rotundata ovatis v. ellipticis (1^—3V4-poU_M 1—2 poll. lais. petig lulls l'A—2-lin.) obtuse acuminatis subcoriaceis glabris nitidis. venteciunr retio^ latione utrinque prominulis; racemis paniculatis conferlis axillaribus glabris; capsulls -u S^o liUn>ils ell. »psoideis rectis. — (Cf. p. 299. no. 1.)— In Sumatra. Borneo. *
- ⁴¹ "• JAVANICA Blume 1. c. no. 582. f — Foliolis 3—7 rarissime solitariis breviter Petiolulais ovatis v. eUipticis (1V«—4-poll. 1—2 poll, latis. petiolulis 2—3-lin.) obtuse • acuminaiis coriaceis rigidis glabris, venis cum reticulatione subius prominulis; racemis confertis axillaribus glabris; capsulis aolitariis subarcuatis. — *Connarus Javanicus* Blume, %lr. p. 1166. — In Java.
- ⁴⁰ R. SIMPLICIFOLIA Blume I. c. p. 263. no. 583. — Foliis simplicibus rarissime infoliolatis elliptico-oblongis lanceolatisve (IVa—4-poll., */<<—l>/a poll latis) obtu- sⁱuscule acuminatis coriaceis glabris nitidis, venis cum reticulatione utrinque promi- nulis; racemis confertis axillaribus brevibus puberulis; capsulis solitariis leviter cur- vatis. ~ j_n Archipelago Indico.

"•

2. Mimosoideae: Foliola multifuga basi obliqua.

23. «U. MIMOSOIDES Planchon J. c. 120. — *Cvimurus mimosoides* Valil, Synb. Hl. 87. — DC. Prodr. II. 85.
24. 'R. PAHVIFOLIA Planchon 1. c. 420. — *Connarus mimosoides* Wall. Cat. 832H. D. (non Valil.) — *Cneslis mimosoides* V. Jack in Hook. Comp. Bot. Mag. 1. 15? — Species auctoris negligentia indscripta, attamen synonymic onusta.
25. 'R. WALLICHIANA Planchon I. c. 420. — Species ab auctore non descripta. — *Connarus mimosoides* Wall. Cat. 8526. D.
26. *R. . . . spec. indscripta, sed cui bono enumerate ?
27. *R. MICROPHYLLA Planchon I. c. — *Connarus microphyllus* Hook. f. Arn. Bot. Beech. voy. 178. ^
28. R. PARALLEL A Planchon 1. c. 121. — Ramulis (angulalis). foliolis inllorescentiisque pube crispula indulis; foliolis pluriis sessilibus subparallelogrammico-oblongis pollicaribua, utrinque emarginatis subaequilateris, margine inlegro revolutis, supra glaberrimis (siccitate plumbeis) nitidis, subtus fuscis. secus cosiam adpresso-puberulis, caelerum vix pilosulis, venis supra impressis; racemis (conoposilis) axillaribus 2—3-nis, 4—6 poll, longis, folium dimidium subaequantibus. l&xifloris; pedicellulis clycem subaequantibus; calycis 5-artiti laciniis ovatis obtusis exlus pilosulis; . . . — *Connarus mimosoides* Wall. Cat. 8526. C. (non Valil) — Penang.
29. R. SORORIA Planchon 1. c. 421. — Ramulis (angulalis), pectiolis, inflorescentiis calycibusque pube crispula indulis; foliolis plurimis sessilibus, subparallelogrammico-oblongis 5—10 lin. longis, utrinque emarginatis, margine integro revolutis, supra nitidis, glaberrimis, siccitate pallide fuscis, subtus pallidioribus, sub lente adpresso-pilosulis, venis utrinque prominulis; racemis axillaribus 2—3-poll. longis, folio brevioribus; floribus confertiusculis; pedicellis calyci subaequalibus; calycis 5-petali laciniis ovatis obtusissimis, quam petala plus duplo brevioribus. — Borneo.
30. R. RUGOSA Planchon 1. c. 422. — Ramis, inllorescentiis, petiolis foliolisque subtus pube sordide rufa hirtellis; foliis confertis, foliolis multijugis suboppositis subsessilibus oblongis (majoribus 1 1/2—2 poll, longis), obtuse vel breviter acuminatis. basi subcoriatis, margine integerrime revolutis, utrinque reticulato-venosis, supra glaberrimis nitidis. siccitate fusco-rubescens; racemis (compositis) axillaribus fasciculatis, foliis inullo brevioribus, pedicellis calyci subaequalibus, basi articulatis; calycibus fructiferis 2 1/2 lin. longis, folliculi oblongi recurviusculi glabriusculi tertiam partem inferiorem cupulantibus. — *Connarus mgoms* Wall. Cat. 8327. a. [J. — Penang.
31. R. VILLOSUS Planchon 1. c. — Ramis, inflorescentiis foliolisque subtus pube sordide rufa hirtellis, foliolis pluribus subsessilibus, anguste oblongis, (unguicularibus) oblongissimis, basi obliqua rotundatis, margine integerrime revolutis, supra glaberrimis nitidis, siccitate plumbeo-fuscis; racemis (compositis) axillaribus, 2—3-nis folio brevioribus, pedicellis solitariis v. geminis, calyce longioribus v. ei subaequalibus, basi articulatis; bracteolis subulatis; calycis 5-petali laciniis oblongis extus pilosulis; petalis lineari-oblongis, calyce subtriplo longioribus; stylis glabris lamina longiora aequantibus; folliculo oblique oblongo calyce longiore. — Mergui in India orientali.
32. R. FULGENS Planchon 1. c. 423. — Indumento adpresso rufo pubescente vestita: foliolis 20 (et ultra) approximatis sessilibus, (unguicularibus) oblique oblongo-ellipticis, utrinque rotundatis, obtusis integerrimis planis, exsiccatione fusciscentibus, supra adpresso-puberulis, rigide coriaceis, reliculo veorum utrinque prominulo; racemis axillaribus. — In India orientali.
33. *R. NITIDA Planchon 1. c. 423. — *Connarus? nil id in iliscrip.* — Wlprs. Reprt. V. 420.
34. *R. LUCID A Planchon J. c. 423. — *Connarus lucidus* Hook. — Wlprs. 1. c.

f Species hujus sectionis addendae.

35. R. SBHLIS Blume. Mus. bot. Lugd. Batav. p. 264. no. 586. — Foliolis 7 - 13-jugis sessilibus, e. basi subeclata ovalibus v. oblongo-ovatis (d 1/2-5 lin, 2—3 lin. la.).

infinis subrotundis, apice truncalis v. retusis, margine subrevolutis, chartaceo-membranoceis, supra nitidiusculis, subtus glaucinis et in nervo medio puberulis. rhachibus ramulisque fulvo-tomentosis; racemis axillaribus simplicibus laxifloris. — If. *parallela* Planch, affinis. — In Sumatra.

- JG R. CONCOLOR Illume 1. c. no. 537. — Foliolis 3—13-jugis sessilibus, e basi rotundata v. subcordata ovalibus v. oblongo-ovalibus (4—8-lin., $2\frac{1}{2}$ —4 lin. latis, inflinis ovalibus v. subrotundis), apice rotundatis v. leviter retusis, margine planis chartaceis v. coriaceis glabris corvoloribus, utrinque lucidis, rhachibus ramulisque fusco-tomentosis; racemis axillaribus simplicibus laxifloris; capsulis curvatis. — In Archipelago Indico.

f f *Species hujus sectionis minus notae.*

37. R. POLYPHYLLA Blume 1. c. no. 588. — Foliolis multijugis 30 pluribusve sessilibus, e basi truncato-subcordata ovalibus v. oblongo-ovalibus (4—7-lin., 2—3 lin. latis, inflinis subrotundis), apice rotundatis, margine planis chartaceis concoloribus utrinque glabris nilidis, rhachibus ramulisque fusco-tomentosis. — An a *R. sororia* Planch, satis diversa? — Habitat in Archipelago Indico.
38. R. PHYLLANTHOIDES Blume 1. c. no. 589. — Foliolis multijugis sessilibus, e basi subcordata ovalibus oblongisve (4— $1\frac{1}{4}$ -poll., 3%— $5\frac{1}{2}$ lin. latis, inflinis minoribus subrotundis), apice obtusis v. rotundatis, margine subrevolutis membranoceis, supra glabris nilidis. subtus glaucinis et imprimis in nervo medio pubescentibus, rhachibus ramulisque fusco-tomentosis. — In Archipelago Indico.

IV. ROUREOPSIS *Planchon.*

(*Planchon, Linnaea XXIII. 423.*)

Calyx 5-partitus, accrescens, Jaciniis lineari-oblongis, post anthesin marginibus inferne tertiim imbricatis, haud comriventibus. Pelala 5, linearia, sepalis longiora glabra. Stamina 10, calyce accreto breviora. Ovaria 5, stylo subulato superata, pubescentia, unilocularia, 4 abortiva, ovulis Geminis collateralibus e basi loculi ascendentibus. Fructus . . . ? — Frotices Malayani, habitu Rourearum dalbergiarum: foliis alternis, imparipinnatis, paucijugis, nitidis, glabrescentibus; racemis (parce compositis) axillaribus, brevibus, paucifloris; calycibus ooloratis. — Differ! a *Rourea* calyce post anthesin manifeste accreto, non clauso.

- * R. JAVANICA *Planchon* C. 424; — Ramis foliisque glaberrimis; foliolis 3—7 peliolulatis ovalibus ovalo-oblongis, 1—2 poll, longis acuminalis, acumine insigniter reiuso. margine obsolete repando-subcrenularis, leniiter et rigide chartaceis. siccitate castaneis, subtus pallidioribus, reticulo nervulorum nervorumque utrinque prorainulo; ramulis 1—2 poll, longis, rhachi parce divisa, pilis rufidulis censpersa. pedicellis post anthesin unguiculatis. sursum leviter clavalis, calyce duplo longioribus; laciniis calycis (post anthesin) stamina duobus excedentibus. margine ciliatolis. apice lanugine rari barbellatis, cacterum glabris; stylis stamina superantibus glaberrimis. — *Connarus*? *Javanicus* Blume. Bydr. 1166. — *Rourea humilis* Blume. Mus. bot. Lugdt. Bat. p. 2. no. 581. (cf. lupru p. 297. no. 20 et 21.) — In Java.
- * R. BLNEKENSIS *Planchon* 1. c. 424. — Kamulis. petiolit nervo medio subulato, pubescentibus; foliolis 5—7. peliolulatis. oblongis (4— $1\frac{1}{4}$ poll, longia*). basi obtusis, apice emarginatis vix acuminalis, integris. praeter nervum glaberrimis chartaceis lucidis. siccitate fuscis, subtus pallidioribus; racemis axillaribus. brevibus 5—7. floris, bracteolis rariis, pedicellis post anthesin $2\frac{1}{2}$ —3 lin. longis, calyce brevioribus, stirsum leviter clavalis; laciniis colycinia glabris ciliatis apiceque lanugine batbellatis. — Malacca,

V. COIOirAItIJS *Lmn.*

(Linn Gen pi no 944 fnec DC Endl 1 — Planchon, Linnaea XXIII 42-i — *Omphalobium* Grtnr, — DC Prodr II 85 — Endl Gen pi no 5949 — Wlprs Reperit V. 421)

A. *Gerontogei.*

- 1, *C MONOCARPUS Lmn Spec pi 678. — Planchon 1. c *Uo* — Iluim Zeyl 199. t 89 — *Connarus Asiahcus* Willd Sp pi III 692 — *Conn pnnatus* Lam — *Omphalobium ptnnatum* DC — *Omphalobium Indmtm* Oln Fruct I 27 tab 46 — DC Prodr II 85
- i 'C AFRICANUS Lam Diet. II 95 — Cav Disa VII 375 tab 221 — Planchon 1 c 426 — *Omphalobium \fnecanum* DC 1 c 85
-) *C FLORIBUNDUS Schum. 8c Thonn PI Gum II 73 — Planchon I c — *Omphalobium Thonnmgn* DC I c 86
4. C WALLICHII Planthon I c 426 — Rami* folnsque glaberrnnis, foliolis 3—5. anguste oblongis, obtuse acuminatis, basi obtusiuscuhs integerrnnis, conaceis, nilidi*, siccitate rufescentibus. nervis secundirus utrinque 4—6 vcnaiumque reticulo subtus praesertim prominentibus, pamculae terminaiis rnci pnmaia ramo conformi et continua. secundams patcntihus (2—3 poll longis) conferte mulufions calycibusque extua subseuceo-pubescentibus, pedicellis subnullis flonbus mediocnbus, pelahs caljcenf duplo superantibus glabnusculis, margine ciliato villosulis — Singapore
- 5 C LATIFOLIUS Wall mss ex Planrhon 1 r 427 — Ramulis, infloiescentns peliohsqnc pube dettisibili indutis foliolis J — "5 (mine nboitu terminaiis 2). magnis (3—6 poll longis) cllipuco-oblongis, bicMtc i U obtuse acuminate basi loiundatis, intcsffmnn, glahernnis. siccitate fuscis, subconaceo- chanaccis, net vis secundarus uinnqc 4—5 venarumque leticulo laio utrinquo piominulis pamculis terminalibu« mulufions pedicellis calvci subaequalibus, lacinns caljcms oblongo- hneanbus, pubcrulis. quatr petala duplo brevionbus: folliculi obovoidei, turgidi, pube deterMbili primum vestiti, mox glabiescentis stipite petala subaequantc — In India extia Gangem
- i) C OLIGOPHYLLUS Wall, mss ex Planchon 1 c 427 — Ramis folusque glabns, foliolis 3—5, oblongis (2—3 poll longis), obtuse acuminatis bisi rolundatis, inlegerrnnis. nitidis. subtus pallidionbus, rharlaceis, non crassis nevis serundams utrinque b—8 tenuibus reticuloque nciMiloium donsiusculo sublus piae&ctim piominulis, pagina infeuore puncucu^s elc\atis haud discolonbus conspersa pamcularum terminalium (et .ixillanum) inniis stiictis, multiflons, podicellis laevibus calycihusque extus pube tenuissima cineiasceme mdiilis — Penang ^{^fe}
- 7 C DEUROCALYX Planchon 1 c 428 — Rarais petiolisquo' glabnuscuh*. foliolis 3—5 anguste oblongis (4—6 poll longi*), apicc sensnn acuminatis levitci cmaigmatis, basi acutiusculis, margine piano intcgerrnmo, glabemmis, niididis, reticulo \enulaium utrinque prominulo, supia vix oonspicuo pamculis axillanbus folio longionbus \el <" subaequalibus, larhibus cxtieims pedicellis brevissimis calycibusque extus pube adpressa subscnrea lufldulis lacmns calycinis oblongis, in longum nervosis, petals lineanbus, 3—4 hn longis, calycem plus (^um dv\plo e\ccdctv\|bv\|s, CUolaV\, glabriusc\|w, fo\|ic\|lo \aie ^elnl-obo^oldco\ mwtico, m sinlicm bicwssimum comracig. n⁰, 10—Vi lm longo, B—10 lalo — In insuld Pancy Philippinaum
- » C POLYANTHUS Planchon 1 t 428 — Rami* pftiohsque glabnusculis, foliolis 3. p^o-nolulfttis, lanceolato-ellipticis, obtuse acummai^, basi subcuneata obtusiuscuhs Si n^o-geinmis, glabemmis, nitidis, ligide chartaccii., siccitate fuscis, leticulo venularum l-xo i utrinque promiDulo. pamcuhs jnfenonbus axilKuibus folio brevionbus, superioribus i m unam folus multo longioiem abeuntibus, rachibus extremis bracteolis minutis p^o-sistenlibus caljebusque extus pube adpressa, nitida. detersibili ruQduhs P^oetaiis qb- longis calyce duplo longionbus, glabnusculi^ apicc lanuifinoso-barbulalis stam^o longiora subaequantibus — Luzon

- y. *C. OBTUSIFOLIUS* Planchon 1. c. 428. — Ramulis petiolisque sub lente pilis paucis mediflexis obsitis; foliolis 3—5, oblongo-ellipticis (2—3 $\frac{1}{2}$ poll, longis) utrinque rotundatis et emarginatis, apice (in sicco) complicatis, integerrimis, plants, rigide chartaceis. sicciate fuscis, reticulo nervulorum utrinque prominulo; panicularum axillarum foliis breviorum ramulis secundariis cymiferis 3—8-floris, rachibus, pedicellis brevissimis calycibusque extus pube adpressa rufidulis; petalis lineari-oblongis, calyce duplo longioribus, punctatis, utrinque parce glanduloso-puberulis. — Luzon.
10. *C. SEMIDECANDRUS* W. Jack.,
11. *C. LUCIDUS* W. Jack. (
12. *C. VILLOSUS* W. Jack. { " Wlprs* Repert, l 561,
13. *C. FERRUGINEUS* W. Jack. '
- U. *C. GAUDIGHAUDII* Planchon 1. c. 429. - *Omphalobium Gaudichaudii* DC. 1. c. 85.

f *Species novae hoc loco addendae.*

15. *G. HASSELTII* Blume, Mus. bot. Lugd. Bat. p. 266. no. 592. — Ramulis petiolisque glabris; foliolis 3—7 e basi rotundaia ovatis vel ovalibus (lateralibus 2 $\frac{1}{2}$ —5-poll., 1 $\frac{1}{2}$ —2 $\frac{1}{2}$ poll, latis, terminali 4—5 $\frac{1}{2}$ -poll., 2—3 poll, lato), breviter obtuse acuminatis chartaceis glaberrimis, venis lateralibus utrinque 5—6 cum venularum reticulo dense areolato subius parum prominulis; paniculis axillariibus et terminalibus racemosis calycibusque fusco-lomentosis; nonbus fasciculatis, pedicellis calycem adaequantibus; calycis laciniis oblongis obtusis, dorso costato-gibbis. petalis linearibus obtusiusculis. extus dense puberulis calyce triplo longioribus; staminibus omnibus fertilibus (antheris alternis miooribus); capsulis brevissime pedicellatis clavatis rectis obtusiusculis cum mucrone glabris fcaevibus (1 $\frac{1}{4}$ poll, longis, 5—6 lin. latis). — *Connarus pinnatus* (haud Lam.) Van Hasselt mss. — In Java occidentali.
16. *C. FALCATUS* Blume 1. c. no. 593. — Ramulis petiolisque glabris; foliolis 3—7 e basi rotundata ovatis vel ellipticis (lateralibus 2—3 $\frac{1}{2}$ -poll., 1—1 $\frac{1}{2}$ poll, latis, terminali 3—4-poll., 1 $\frac{1}{2}$ —2 poll, lato) breviter obtuse acuminatis coriaceis glaberrimis, venis lateralibus utrinque 5—7 cum venularum reticulo denso utrinque obsolete prominulis; paniculis axillariibus et terminalibus racemosis calycibusque ferrugineo-tomentosis; calycis laciniis ovato-oblongis acutis; petalis linearibus acutiusculis, extus dense puberulis calyce triplo longioribus; staminibus omnibus antheriferis, alternis brevissimis; capsulis brevissime pedicellatis fusiformibus falcatis mucronatis glabris longitudinaliter striolatis (17 $\frac{1}{2}$ poll, longis, 5—6 lin. latis). — Habitat in Archipelago Indico.
17. *C. SPANOGHEI* Blume 1. c. p. 267. no. 594. — *Cnestis pentaphylla* Spanoghe. — Wlprs. Repert. I. 561. no. 4. — *Omphalobium cameum* Zipp. mss.
18. *C. GRAADIS* W. Jack. — Wlprs. Repert. I. 561. no. 8. — Blume, Mus. bot. Lugd. Bnt. p. 267. no. 595. f & .

P* *lumilaius* Blume 1. c. + — Foliolis ellipticis acutis vel breviter acuminatis. supra lucidis, reticulo venularum subius magis distincto; capsulis ad basin in stipitem subarcuatum contractis.

Y- *kiladja* Blume L e t - Foliolis ellipticis. apice complicato acutis vel obtusiusculis, reticulo venularum subtus prominulo; capsulis basi turgidioribus.

19. *C. FURFURACEUS* Blume 1. c. p. 268. no. 596. - Ramulis petiolis et foliorum venis subtus indumento subtilissimo furfuraceo tandem evanescente obductis; foliolis 3—5 basi acutiuscula ellipticis (lateralibus 5—6 $\frac{1}{2}$ -poll., 1 $\frac{1}{2}$ —2 $\frac{1}{2}$ poll, latis, terminali 6—7 $\frac{1}{2}$ -poll., 2 $\frac{1}{2}$ —3 $\frac{1}{2}$ poll, lato) apice cum acumine brevi obtuso, chartaceis glabriusculis, venis lateralibus utrinque 6—7 cum venularum reticulo imprimis subtus prominulis; paniculis axillariibus et terminalibus calycibusque fulvo-tomentosis; staminibus brevissimis pedicellatis; calycis laciniis oblongis obtusis; petalis linearibus obtusiusculis calyce fere duplo longioribus; staminibus omnibus antheriferis. — In Sumatra habitat.

20. *C. MUTABILIS* Blume 1. c. p. 269. no. 597. — Ramulis, petiolis et foliorum nervo medio subtus indumento sericeo tandem evanescente obductis; foliolis 3—7 e basi rotundata ovatis vel oblongis (lateralibus 3—4-poll., 1 $\frac{1}{2}$ —2 $\frac{1}{2}$ poll, latis, terminali 5—6-poll., 2 $\frac{1}{2}$ —3 $\frac{1}{2}$ poll, lato) apice cum acumine brevi obtuso, chartaceis glabriusculis, venis lateralibus utrinque 6—7 cum venularum reticulo imprimis subtus prominulis; paniculis axillariibus et terminalibus calycibusque fulvo-tomentosis; staminibus brevissimis pedicellatis; calycis laciniis oblongis obtusis; petalis linearibus obtusiusculis calyce fere duplo longioribus; staminibus omnibus antheriferis. — In Sumatra habitat.

2 $\frac{1}{4}$ —3 $\frac{1}{3}$ -poll, 1—1'A poll iato) obtuse et mteidum cmarginato-acuminatis subcon-
ceis supra glabernmis subtus elevato-punctatis, venis lateralibus utnque 5—6 cum
venulorum reticulo denso subtus parum prominulis pauculis axillaribus et lernuna-
libus caebusquo ferugmpo-tomentosis flonibus cymoso-fascicularis brevissime pe-
dicellate calycis lacinis oblongis obtusiusculis, petalis lineari-spathulalis obtusis
o1\cc duplo-longioribus staminibus alierms brevissimis anlbens rudimentams cup-
MIIS brevibus pedicellatis obovoideis sublenticulari-compiessis. primo sericeo-velutinis
landem glabrusculis transverse strolatis (sine pedicello 1'A—2 lin longo 7—10-hn
b—7 Im latis)

(S) *splutdrns* foliolis omnibus obtusiuscule emarginato-acuminatis, supra lucidi*
y. *barbatus* foliolis magis ellipticis, obtusiuscule emarginato-acuminatis, petals
apice barbatus

5. *elongatus* foliolis e bin acuta elongato-lanceolatis — In Acluplago Indico

fi *Amet team.*

- 21 C MARGINATUS Planchon 1 c 429 — Ramis cuneicis folisque glabernmis, folioli*
3—5 petiolulo anguste petalim affinis, oblongis, (1—172 poll longis) obtuse acuminatis
basi rotundatis, margine integerrimo leviter incrassato et subrelle pallidioribus (sml
lem in sicco), ngidit chartaceis nilidis reliculo nervulorum utnque pro mi nu I o n
r urns (romposuis) axillaribus soliamis |e| fasciculim giacilibus, folio longioribus*
pedicellis parvibus, brnctcohs minutis cihccquo pube adpressa fulveticntc induti^
petalis oblongis cihcc duplo longioribus shlo cia&so staminibus longiore ovarioque
tomtnlOMs folliculo subsessili oblique Cblongo in losiurn sfbapicale breve productio
libio — Rio de Janeiro
- 22 C C/MOSUS IManchon 1 c 430 — Ramis folisque glabernmis foliolis 3—7, obo-
>ato- A el elliptico-oblongis in acumen brevissimum |e| obsolcium emarginatum pro-
iluctis, basi obtusis |c| obtusiusculis mygine leni piano inlegus, ngide cbailacci*
(baud conartis) retrulo nervuloium laxo utnque prominulo cmarum oxillarum
icrmimiumque lamis giacilibus extremis sicut pedicelli et Cdlvets, pube adpressis-
suni iufduli>, petals oblongis glaberumis calyce duplo staminibus tnente longio-
nibus — Rio de Janeiro
- 23 (LI VICHII Phnchon I c 430 — llanns foliolisque glabenimi^ foliolis 3 anguste
ublongis (2'A—3 $\frac{1}{2}$ poll longis mtdioS—10 lin hiis, apice (laidie) aensim in acumen
obtusiusculum piodutlis maigine inUgcrnmo ciassius>culo non loolulis, conaceis
MIUI> cle\alo-punciiLuialis, opaci> supia mtidis, reliculo nenoium Acnarumque laxo
iiunquc |iominu o lucum ixillaribus subleimnialibusque folio brevioribus, pedicel-
hi bicv/ssimis tahnbusque pube rufa adpressa demum d^jua indutis pelalis linean-
oblongib extiis |illoi>is folliculis scmilunatis, in slipilcm brevcn attenuatis, rostro
biew dcorum spccianlc lecurvo instruclis, jumonibus mfo •pubescentibus. adultis
l tbcMimib 10—15 Im longis dmmlium lalis — *Omphalobium Jtiynchn* Vogel —
Li asilid
- 24 { GUIAINLMS I arnbcil nns — Planchon 1 c Hi — *Omphalobium Lambertii*
DC 1 c 85
- 25 G SCHOMHIRGKII Planchon I L 431 — Ramis lolusque glabernmis foliolis 3.
petiolulalis, oblongis, (2—3 poll longis) acute et abrupte acuminatis, basi obtusiuscula
infra petioli inseruonem leviter pioductis, idcoquit re\cisa angustic pel tolls, margine
mtegerrimo plams, utnque fuscis, reliculo nervuloium utunquc impresio iacemi>
supraaxillaribus 1—3 petiolo bre\ionbu», raclnbiib, brictcolis minimis pedicellibus
In evissimis pube rufidula subsericeis lacims cahcims oblongis petali* oblongis
punctatis, intus glanduloso-pilosulis stamina tiicntc talycem duplo supeianlibus ~
In Guiana Britannica
- 26 (BLVNCHETII Planchon 1 c — Ramis folisque glabernimis, foliolis 3 (an sempei I)
oblongis* [l/i—3 $\frac{1}{2}$ poll longis, 16—24 lin lalis) in acumen bre\e oblongum complica-
mm coiliululis IOM obtu^is, maigine integerrimo >iv crassure liaud lexolulis, sub-

conaceis, nitulis, punctatis*, nenis lateralibus venisque lenibus utnque prominuh*
>upra vix conspicuis, lacenus axillanbus folio breuonbus. pedunculis brevibus 3—4.
floris, pedicellis bmissimis calycibusque pube adpressissima rufdula indutis, lacinnis
calycinis ovaio-oblongis, obiusis petalis oblongis glabns, calyce duplo (?) longionbus,
stamina superantibus — In Brasilia

- X 'C FASUCILATLS Planchon 1 c 432 — *Omphalobium fusciculatum* DC I. e. 86
- 28 C GRANDIFOLIUS Planchon 1 c 432 — Romuhs. mfoli escentus. calycibus petalis-
tjtie e*lus indumento rufo vesillis, foholis 3—5 late clhpiicis, (5—b poll longis), bre-
vjisime et obtuse acuminatis, basi rotundatis, margine integro tenui non revolutis,
glabns vel subius secus neivum medium pube ruta pulveracei sparsis, rigide charta-
ceisfnitidis, venaium neivorumque reiculo laxo subtus piominulo, paniculis axilla-
nbus, folio saepius bievibus, ramosissunis, confertilloris, flonbus subsessilibus
peialis oblongo-lineanbus, lacimas calycinas eis subcoformes duplo superantibus —
In msula Dominica
- ^9 *C. PATRISII Planchon 1. c 432. — *Omphalobium Patrsu* DC Piodr II 86.
- 30 *C PCKROTTEII Plaochon 1 c — *Omphalobium Perrotteti* DC. 1. c.
- 31 C PUN(TATUS Planchon 1 c 433 — Petiolis, novellis mflorcscentiis colycibusque
pubescentia adpiessa rufdula indutis foliohs 3—5 petiolulalis oblongo-ellipticis, (2—3
poll longis), utnque obiusis et emarginatis, margine integro vel obsolete repando non
revolutis, reticulo venularum nervorumque denso utnque prommente; paniculae ter-
minalis folia multum superantis ramis slnctis conferliflons pedicellis brevibus fas-
ciculolis, sub anthesi nutanlibus, peialis oblongis obtusis glabnusculis, insigniter
oigro-punctatis, calycem duplo, stamina majora tnente superantibus — Surinam
- 32 C. UtCOMPTUS Pla^bon 1 c 433 — Ramis folisque glabernmis, foliolis 5—7, pe-
tiolulais, oblongis, (1^l*—3 poll longis), obtuse et sensim acummatas, basi obtusa sub-
emarginatis, margine integerumo planis, utnque (in sicco) fuscis, rigide chartaceis,
icliculo venularum nervorumque utnque prominulo, paniculis avillanbus folio bre-
vionbus ramosissimis flonbusque confeilis ID du men to (pilorum ramosorum) lufo laxo
vestitis pedicellisbrevisimis, lacinnscalcinis oblongis obtusis, petalis oblongis utnque
glabnusculis, calyce duplo longionbus, stamina mnjora dubaequantibus.— In Brasilia
- ii (SUBEROSLS Planchon I c. 433 — Cortice ramorum suberoso, nmoso, glabralo ,
innulis, inflorescenlns, petiolis folusque subtus indumento duplici vesillis, aliero laxo,
lufescente, mox delerso, aliero denso, adpresso, emereo, foliolis 5—7, brevitei petio-
latis, ovato-oblongis, (1va—2 poll longis) breviter et obtuse acuminulis, basi emargi-
natis, integerrimis, supra glabns, opacis, \el subpruinoso-caesus, paniculis axillanbus
folio pmurn longioibus flonbus confertis, subsessilibus, lacinnis calycinis oblongis,
subsencco-tomentosis, folbculis oblique semiorbicularibus vel suboblongis in stipilem
abrupte contrnctis, erostratis, tomento deciduo priuuium vestuis — In Brasiliae pio-
Minas Geiaes isf
- M r FULMS Planchon 1 c 434.+ — Ramorum cortice suberoso, nmoso, glabro.
ramulis, inflorescenms iructibusque junionbus indumento laxo rufo detersibili vesti-
l^ foholis 5—7 peliolulais, ovalis vel ovalo-oblongis, (1—2 poll longis) bre\issnne
ot obtuse acnmmais vel npicc rotundatis, basi (saepius complicate) subcoidatis, utnn-
(I'e. pineter neni basin, glabns, C9*iaceis, siccitate glauco-fulvescentibus, reticulo
venularum donso utunque prommalo paniculis axillanbus folio longionbus, conferti-
llorn flonbus brevissime pedicellatis, cahcibus extus tomentosus. petalis oblongis,
J'unctais stamina vix aequantibus fructibus junioribus semilunatis, stipitatis, subsen-
teo-iuff scomibus — In Brasilia
- 35 <- fA\0SU\$ Planchon I c 434 — Ramis petiolisque glabns foliolis 3, ens^e po-
"olulatis, oblongis (2—3 poll longis), acummatas, basi obiusis, maigine integemmo
Plmis, supra glabernmis nitidis subavenna. aublus reticulo favoso minute areolatis,
I'allidionbus <^t mier areolas pubo renuissima subpulverocea adpersis paniculis fuicti-
l»»<>, a»Udribus breviter pedunculatis, folio longioubus, rhachi pubo brevi. cineras-
eute induta, calycis fructiferi lacinus lanceolato-lincaribus, acutis, pedicellos sub-
quanubus folliculo oblique obo>oidoo compresso, exlus glabpmmo, mlus pilosulo,

laiere amico quam dorsole convexura multo longiore; semine paulo infra medium suturae ventralis affixo, arillo brevi, margine laciniato. — In Brasilia.

36. C. DETERSUS Planchon I. c. 435. — Ramulis foliisque novellis utrinque indumento rufo deiersibili vestilis, adultis glaberrimis; foliolis 5—7, anguste oblongis, obtuse acuminatis, basi saepius subacutis, margine integerrimo non revolutis, supra nitidis, reticulo venularum denso subtus prominulo (areolis minutis conspicuis); paniculis axillaribus, folio multo brevioribus calycibusque extus rufo-tomentosis; petalis oblongis, calycem superantibus, utrinque sparse glanduloso - pilosulis nigro - punctatis. — In Brasilia tropica.
37. C. FLORIBUNDUS Planchon I. c. 435. *- Ramis, petiolis. inilorescentiis foliisque subtus indumento adpresso (e pilis ramosis) denso rufo vestitis; foliolis 5—7, fthlongis. (17a—2 poll, longis), brevissime et obtusiuscule acuminatis, basi obtusis, margine integro, non revolutis, sicclate subcrispis vel planis, supra glaberrimis, rigide chartaceis, reticulo nervorum venarumque subtus conspicue prominente; paniculae terminalis foliis multo longioris ramis strictis, spiciformibus; floribus distichis, brevissime pedicellatis; petalis linearibus acutis. punctatis, extus villosis, calyce duplo longioribus, quam stamina majora brevioribus. — Surinam.
38. C. RUDER Planchon I. c. 436. — *Omphalobium rubrum* Poepp. ft Endl. — Wlprs Repert. V. 421. no. 1

f *Nomine lanium modo coqniti sunt,*

39. C. GIBBOSUS Wall. Cat. 8541.
40. C. NITIDUS Wall. Cat. 8540. C.
41. C. TJRGIDUS Wall. Cat. 8545.

ff. *Species dubiae.*

42. * C. (OMPHALOBIMUM) SMEATHMANNI DC. Prodr. II. 86.
43. * C. MACROPHYLLUS Poepp. & Endl. — Wlprs. Repert. V. 421. — An novi generis typus? an *Agelaeae* species?

VI TRICHOLOBUS *Blume.*

(Blume, Mus. bot. Lugd. Bat. p. 236.)

Flores hermaphroditi. Calyx profunde quinquepartitus, persistens, laciniis lanceolatis, acutis, erecto-patentibus, praefloratione valvatis. Petala 5, imo calyci inserta et multo longiora, lineari-lanceolata, persistentia, praefloratione valvata. Stamina 10, cum petalis inserta, alterna breviora; filamenta subulato-fihformia, basi monadelphica, longiora interdum sterilia; antherae introrsae, ovoideo-globo^{ae}, biloculares, dorso incumbentes, longitudinaliter dehiscentes. Ovarium unum, sessile villosum, basi unita filamentorum cinctum, uniloculare. Ovula 2, collateralia, suturae ventrali mediae inserta, analropa. Stylus brevis, filiformis; stigma dilatatum, crenulatum, subobliquum. Capsula sessilis, ellipsoidea, coriacea, siliquaeformis, unilocularis, sutura ventrali bivalvis, extus dense villosa, intus subvelutina, monosperma. Semen inversum sulurae ventrali paulo infra medium affixum. — Arbore^s Archipelagi Indici: foliis alternis, exstipulatis, imparipinnatis, foliolis coriaceis, integerrimis, epunctatis, junioribus paniculisque terminalibus dense tomentosis; floribus brevissime pedicellatis, pedicellis ad basin utraibracteatibus.

1. TR. FULVUS Blume I. c. 237. no. 515. f - Foliolis 3—4-jugis oblongo - lanceolatis, basi obtusiusculis. subtus fulvo-tomentosis. — In sylvis insulae Sumatrae.
2. TR. FERRUGINEUS Blume I. e. no. 516. — Foliolis 5—7-jugis ovalis vel ovato-lanceolatis, basi subrotundatis, junioribus utrinque ferrugineo - tomentosis; staminibus alternis castratis. — in Borneo.

VII. AGEIiAfiA *Soland.*

(*Soland.* mss. ex Planchon, *Linnaea* XXIII. 437. — *Ompkalobii* sect. II. O€ Prodr. II. 86.)

Calyx 5-partitus, laciniis lineari-oblongis, aestivatione breviter imbricatis. Petala 5, calyce longiora. Ovaria 5, stylis setaceis, ovulis 2 e basi loculi collateralibus, ortjiQtropis. Folliculi X—3, recurvo-obovoidei, basi sensim attenuati, anjtipe hiantes, crassj, jntus glabri, abortu monospermi. Seminis exajbuminosj rectjuscujj arjljus cupularis carnosus, testae subjectae adnatus, cotyledones piano-cons' vexae, radícula brevi supera.

1. A. NITIDA *Soland.* mss. ex Planchon 1. c. — Ramis, petiolis, rhachibus, pedicellis calycibusque exclusa indumenta adpressissimo subnitente ttavido rufidulis; foliolis oblique ovatis, acuminatis, praesertim subtjvs parcissime et tenuissime pulveracee - puberulis (pilis stellatis); bracteis paniculae terminalis ramos stipantibus linearibus, apice circinnato incurvis; folliculis 5 lin. longis, iodumeoto adpressissimo rufo vestitis. — *Cnestis obliqua* Palis, fl. Owar. I. 95? — Sierra Leone.
2. A. LAMARCKII Planchon 1. c. 438. — *Conqarus pinnatus* Lam. — Cav. Diss. VII. 376. tab. 223. — *Omphalobium pentagynum* DC. Prodr. II. 86.
3. A. VILLOSA *Soland.* mss. — Planchon I. c. 438. — *Cnestis trifolia* Lam. — *Omphalobium viuosum* DC. 1. c. 66. & Deless. Icon, select. III. tab. 58. — *Omphalobium nervosum* G. Don. gen. syst. II. 90.

Tribus U. CNJESTIPE4E Planchon, *Linnaea* XXUL 438,

&emiaia aljSiminosa. Calycis aestjvatio vahacea.

VIII. UMLHTOTCSS *Solon**, mss.

(*Soland.* mss. ex Planchon, *Linnaea* XXUL 436.)

Calyx 5-partitus, laciniis lineari-oblongis, aestivatione valvatis. Petala 5, calyce longiora. Stamina 10, alterna 5 longiora petalis alterna. Ovaria 5, stylis setaceis, ovulis 2, collateralibus, e basi carpelii adscendentibus. Folliculus abortu solitarius, obovoideus, in stipitem gracilem contractus, antice hians, inlus glaber. Ariljus capsulae conformis, basi cum funiculo gracili continuus, supefne oblique fissus, testae seminis haud adnatus. Semen. . . . (an ajbrmjno&um et igitur gepus sectioni huic recte adscriptum, ut e calycis Aestivatione valvaji suspicatur?) — Frutices Africae tropicae occideaUiis, habits Cpfititfi«:Joins alternis imparipinnatis, exstipulatis, foliolis aequilateris, pe^nineTviis; paniculis axillaribus et terminalibus iaxis, pedicellis uitffloris, graciUbus, oasi uni- v. bibracteolatis, infra medium articulatis. Pubjes e pilis simpjicibus plus minus confertis subviscosis constat.

- * M. EXPANSA *Soland.* mss. ex Planchon 1. c. 439. — Ramis petiolwque rufo-pubescentibus, foliolis 5—7 breviter petiolulatis. oblongis. acuminatis. utrinque obtusiluculis. secus nervos pilosulis, supra glabriusculis; panicula folia nullo superante; peialis linearibus 3% lin. longis, calycem plus quam duplo excedentibus; stylis petala aequantibus, stamina longiora excedentibus. — Sierra Leone.
2. *M. PALISOTII Planchon 1. c. - *Cnestis pinnata* Palis. Fl. d'Ow. I. 98. tab. 60.

IX. CITESTIBItJM *Planchon.*

(*Planchon.*, *Linnaea* XXIII. 439.)

Calyx clausus, demum in lacinias 2—3 rumpens (revera pentamerus). Petala 5, calyce paulo longiora, crasiuscula, glabra. Stamina 10. alterna

5 caeteris breviora; filamentis brevibus, basi inia in anulum confluentibus; antheris ovato-subrotundis, connectivo) latiusculo. Ovaria 5_f sessilia, hispida, more ordinis biovulata; stylis filiformibus glabris, flexuosis, laminibus longioribus subaequalibus; stigmatibus punctiformi. Folliculus abortu solitarius, sessilis, oblongus, secus venter hians, extus pube rufa vestitus. Semen in fundo folliculi unicum, arillo cupuliformi testae subjectae adnato. Embryo. . . . ? — Fmtex (v. arbor?) Americae centralis, pube rufa densa fere undique vestitus: foliis alternis imparipinnatis, foliolis brevissime petiolulatis, oblongis (10—12 lin. longis), integerrimis, margine letter revolutis, supra demum glabrescentibus crassiusculis; racemis axillaribus, longis, multifloris; floribus haud magnis; folliculis 5—8 lin. longis.

1. *CN. RUFESCENS Planchon I. c. 440. — Panama.

X. C1WESTIS Juss.

(DC. Prodr. II. 86. — Wiprs. Repert. I. 561. — Planchon, Linnaea XXIII. 440.)

1. 'CN. GLABRA Lam. — DC. 1. c. — Planchon 1. c.
2. *CN. POLYPIHYLLA Lam. — DC. 1. c. — Planchon 1. c.
3. "CIV. CORNICULATA Lam. — DC. 1. c. — Planchon 1. c. — *Agelaea prurient* Soland. mss.
4. *CN. FERRUGINEA DC. 1. c. — Planchon 1. c. — *Agelaea ferruginea* Soland. mss.
5. C. FRATERNA Planchon I. c. 440. — Petiolis communibus tertibus petiolulisque rufo - pubescentibus, demum plus minus glabris, foliolis 11 — 13, pluribus alternis, anguste oblongis (2—2½ poll, longis) hinc et acute acuminatis, basi inaequilatera rotundatis, supra glaberrimis, subtus tenuiter et adpresse pilosis, ligide membranaceis, sublimis sicco pallidioribus; racemis e rachis communi terminali abbreviatae plumbis, parum divisis; pedicellis calyce paulo brevioribus (1—V₂ lin. longis); calycibus CXXIUM rhachibusque indumento nitente rufidulis; petalis cuneiformi - subrotundis parvis glabris. — Habitat in Senegambia secus flumen rSunc/.

‡ *Species dubia.*

⚡ *CN. RACEMOSA G. Don, General syst. of gard. II. 91.

Genera exclusa.

TFIYSANUS Lour. — Genus ordinis dubii.

EURYCOMA VV. Jack. — Simarubaeae.

SURIANA Plum. — Genus sui ordinis.

CNEOPM L. — Genus ordinis dubii.

DIETERODENDRON Dsf. — Sapindaceae.

imUNELLIA R. ft Pav. — Genus ordinis dubii.

URUCEA Mill. — Simarubaeae.

AILANTHES Dsf. — Simarubaeae.

RIGIOSTACHYS Planchon (Wiprs. Annal. bot. I. 202.) = RECCHIA Moc, 8L Seas. (DC Prodr. I. 70.) ? ?

Ordo LXXI. LEGUMINOSAE *Juss.**)

)OC. Prodr. II. 93. — Wlprs. Report. I 562 — 932. II. 831. V. 422, Annal. 203. ft 967.)

Subordo I. **PAPILIONACEAE.**Tribus I. *PODALYRIEAE* Bnth.6420. *THERIVOPSIS* R: *Br.*

(DC. Prodr. II. 94. — Wlprs. Report. I. 562. II. 831.)

1. *TH. CAHOLINIANA* M. A. Curt. Mem. of the Atneric. acad. of arts 111. (New ser.) tab. 7. — Liber a me non visus.
2. **TH. FRAXINIFOLIA* M. A. Curt. 1. c. tab. 8.
3. ** Til. MOLLIS* M. A. Curt. 1. c. tab. 9. — *Baptisia tnollis* DC. Prodr. II. 100. no. 6.

6421. *BAPTISIA* *Vent.*

(DC. Prodr. II. 100. — Wlprs. Repert. I. 563.)

1. *)). SERENAE* Curtis. Dot. Zeit. VII. 530. — Glaberrima raraosa: foliola oblongo-obovata cuneata pollicaria plicolata; flores (lutoi) in racemo longo laxo centrali brevibusque ramos terminantibus. pedicelli calyce fructifero longiores; calycis segmentis intus villosis; leguminis oblongi 8 lin. longi inflati stipite calycem superante. — Habitat in Carolina.

6424A. *BAPHIA* *Afzel.*

(DC. Prodr. II. 424. — Hook. fl. Niger Flora 319.)

Calyx spathaceus, antice fissus, postice integer vel 3—5-denticulatus. Corollae aestivatio papilionacea; vexillum orbiculatum, alae ovato-oblongae; carina falcata. Stamina decem, hbera, omnia fertilia, antheris oblongis. Ovarium sessile pluriovulatum; stylo incurvo brevi, apice stigmatifero. Legumen oblongo-lineare piano-compressum rectum (v. falcatum?), valvulis coriaceis maturitate dehiscentibus, marginibus leviter incrassatis. — Frutices vel arbores Africanæ, *Dalhousiæ* affines: foliolis ad apicem petioli solitariis; pedicellis axillaribus fasciculatis brevibus multifloris, apice bibracteolatis.

J. B. SPATHACEA Hook. fl. 1. c. p. 320. f — Foliolis oblongis acuminatis cuilcque glabris; calyce subcoriaceo ferruginco-puberulo; bracteolis ovatis. — Creacit in Africa tropica occidentali! (Nigritia). *

** u. PUBESCENS* Hook. fl. 1. c. p. 320. f - Ramis pedicelisque ferruginco-pubescentibus; folio obovato-oblongo acuminato. supra glabro nudo, subtus pubescente vel glabrato; calyce subcoriaceo puberulo; bracteolis orbiculatis. — Crescit in Africa tropica occidentali.

*) Generum ad ordinem Leguminosarum spectantium characteres carpologici illustrantur in opere: *Icones Carpologicae*: or figures and descriptions of fruits and seeds (after the manner of Gaertner). By *Thomas Shearman Ralph*. F. L. S. Part. I. Leguminosae complete, containing 10 plates with about 400 Figures, 4to. 16s., extra boards. London,

3. B. HAEMATOXYLON Hook. ill. 1. c. p. 321. f — Glabra: foliolis ovali-oblongis acuminatis; calyce membranaceo glabro tridentato. — *Podalyria Haematoxylon* Schum. et Thonn. — *Carpolobia versicolor* 6. Don. — Wlprs. Repert. I. 247. no. 1. — Crescit in Gape Coast et in Guinea.

6424/a. BRACTEOIA «IA Hochst.

(Hochst. mss. ez Hook. fl. Niger Flora 821.)

Calyx spathaceus, antice fissus, demum bipartitus, segniehtis reflexis, aestivatione valvalis integris vel postico bidentato. Petala subaequilongia, caJyem superantia; vexillum orbiculatum, alae et carinae petala ovata. Stamina decem, liberã, omnia fertilia, antheris oblongis. Ovarium subsessile villosissimum biovulatum, stylo incurvo glabro a pice stigmatifero. — Frutices vel arbores Africanae, *Baphlae* similes: foliolis ad apicem petioli solitariis; floribus pedicellatis ad axillam bractee solitariis in racemos axillares vel ad apicem saulis paniculatos dispositis.

1. B. POLYGALACEA Hook. fl. 1. c. p. 322. + — Puberula: foliolis ovali-ellipticis acuminatis, basi rotundtis cuneaiisve, supra glabratis; calycis segrnentis integris; bracteolis orbiculatis. — *Carjmlobia dubia* G. Don. — Wlprs. Repert. I. 247. no. 2. — Crescit in Sierra Leone.

6425. BHACHYSISJIIA R. Br.

(DC. Prodr. II. 105. — Wlprs. Repert. V. 422.)

1. BR. APIJYLLUM Hook. Dot. Mag. tab. 4481. f— Van Houtte. Flore des serves V. tab. 533. — Ramis ancipiti - vompressis alte alatis aphyllis, loco foliorum bracteis ovat6-subulais coloratis; floribus solitariis brevi - pedunculatis; calyce profunde subaequalior 5-lobo, lobis linearibus carinam V* aequanlibus. — In Nova Hollandia ad fl. Cjgnorum.

6425A. JASFSOSTIA Kippist.

(Kippist, Transact, of the Linn. soc. XX. 384. tab. 16.)

Calyx ebracteatus bilabiatus, labio superiore fere ad basin bifido. inferiore quadruplo longiore tripartite segmentis omnibus acutis. Corollae papilionaceae petala longe stipitata; vexillum ovato-laiiceol^Wni reflexum, alis oblongo-ellipticis multo brevius, carihae corilpr"fcssae (alis V, longioris) pelala oblonga, basi auriculata, dorso connata. Stamina 10, libera vel ima basi cohaerenlia, inaequilongia persisentid. Ovarium villosum substipitatum, stipitulo bis| vaginula cincto, paud-(4—6-)ovulatum, suturis non inflexis. Stylus filiformis elongattis, apice incurvus glaber. Stigma parvum. Legumen ignotum. — Suffrutex Novae Hollandiae Austro-occidentalis, *Brachysemati* proximus: ramis erectis vel ascendentibus; foliis oppositis oblongo-ovatis emafginatis, mucronatis, utrinque reticulatis, margine revolutis, subundulatis, minute denticulatis, stipulis lanceolato - subulatis, demuni deciduis; floribus sessilibus, in capitula cernua 4-flora bracteis 4 ovatis decussatis coriaceis fuscis, exlus sericeis suffulta, ramos breves axillares terminantia congestis.

1. J. FORMOSA Kippist. 1. c. tab. 16. — *Cfyptosema pimeleoides* Meisn. in Lehm. Pte^{nl#} Preiss. H. 207. -j- — Suffrutex? rami suberecti vel ascendentes teretes, juniores s»*»' compressi, longitudinaliter striaii. pilis laxis cinereis obsili, adulu glabri. Folia opposita breviter petiolata 2-3-pollicaria, internodiis multo breviora ovato-oblonga Tel ellptica emarginata subcoriacea, margine undulata rccurni, minute repatwlo-«••• ticulata. utnque reticulato - venose, subtus pallidiora glabra, vel pilis oppress!* In

conspicuis tecta, nervo medid, sHbtis ttdé jirtftlaenie, in mucronem brevem recurvum desinente. Petioli breves, !-<• 8 linear longi, laxe pitosl. StipuMe lanctolatae subulato-acuirilfiatde, petiolo nJullo lorigioresj coriaceae fuseae, exfist pfiOdde ficurvae, tarde deciduae. Flores sessiles in capitula quadriflora cernua, bretisshne peduuculata. ad eztreiniiates ramorum brevium axillariurn sita, bracieis quatuor ovatis coriaceis, extus velutinis incltfsa, pafum inffa famuli africem in mucronem brevem sericeura ptodHctum verticillalim dispositi. Calyi exLus longe sericeus ebracleatus bilabiatus, labiis valdc inaequalibus, superiore minore, fere ad basin flsso, inferiore quadruple) longiore, profunde tripartite). Corolla papilionacea. .Pelala omnia longe slipitata atro-rubra. Vexillum minimum, lamina lanceolata-ovata. stipite paulo brevior, reflexa. Alae segmenta lateralia labii inferioris cahcis aoquantas, carina V« breviores, lamina ellipiica. basi cucullata, slipitem subaequante. Garinae ellipticQ-oblongae, calycem parum excedentis petala basi supra auriculala, dorso cohaerentia. Staraiqa 10, persistenfia inaoqualid, anteriora longiora, parum exserta. Filamenta glabra, basi dilatata, oblique colycis tubo (et 3 inferiora inter se) brevissime connexa. AnUerae oblongae uniformes. *Germen subsessile ovatum ventricosum, pilis longis sericeis vestium 4—6-ovulatum* suturis non introfleis, stippiulo basi vaginula carnosa oincto. Stylus fliformis glaber, staminibus paulo longior, apioe incurvus. Stigma minutum subcapitatum. Legumen . . . 7 — Crescit in Novae Hollandiae ora austro-occidemali ad Scott's River.

6426. CALMSTACHYS Vent.

(DC. Prodr. tl. 104. — Wlprs. Repert. t. 566. V. 423.)

1. C. SPATHULATA Moiss. in Lehm. Plnnt. Preiss. II. 206. — Foliis exstipulatis cparsis subsessilibus cuneato-spathulatis, margine recurvis, apice rolundato v. retuso plicato-recurvis submucronulalis, carinatis subvcnosis, utrinque puberulis, supra demuni ramisque glabris; racemis terminalibus simplicibus brevibus laxiusculis. — Habitat in Nova Hollandia ad fl. Cygnorum.

6431. CHOROZEJFIA Labill

(DC. Prodr. II. 1G2 - Wlprs. Repert. I. 567. II. 832. V. 424.)

1. CH (Aciphyltum) RHYNCUOTROPIS Meisn. in Lehm. Plant. Preiss. II. 209. f — FoUis patentibus rectis lineari-acerosis, mucronulo recto pungentibus ramisque glabris, supra transverse venulosis, subtus bisulcis, axillis aphyllis; racemo terminali brevi paucifloro, pedicellis diraidio calyce subbrevioribus; calyce subsericeo-villosiusculo; carina oblonga alas subaequante, rostro recto acuto ipsa dimidio brevior acuminata; stylo brevissirao crasso falcato, sligmate capitato glabro. — In Nova Hollandia ad fluvium Cygnorum.
2. CH (Aphyllon?) ERICIFOLIUM Meisn. 1. c. f — Suffruticosum ramosissimum: ramis terelibus sulcalis glabris, ramulis apice splnescentibus, novellis subsericeo-puberulis; foliis sparsis v. passim oppositis venicillatisque subsessilibus exstipulatis. flUftmijearibus obiusis muticis glabris, maigine recurvis; racemia terminalibus laxiusculis. wiefFuis, pedicellis subfascioulatis, brev.ssimis; calycis cano-pubesoentis lalio superiore rotundato emarginato. — la Nova Hollendia ad fluvium Cygnorum.

6432. GOMPHOIiOBICM Sm.

(DC. Prodr. II. 105. — Wlprs. RepWt. L 568. II. 425. Annal. I. 203.)

1. « POLIOLOSUM Benth. in Mitchell, Journal of tropical Australia p. 348. adn. - Foliis imparipinnatis, folrois 16—25 oboTaux-truncatés oboordatlave glabris, petiolte ramusque pilosulis; wcemis ierminalibn« subcorytabosis laxis pouciflocis. — Frutwulus ramosissimus, foHolis confertis» vix lineam longis. — Crescit ih Australia orientali tropica.

f **Ieones addendae.**

- G. HIRSUTUM Paxton? Magaz. of bot. XVI. 35. (c. ic.) — Species adhuc indescrupta?
 G. VENUSTUM R. Br. — (DC. 1. c. 106. no. 11. — Wlprs. Annal. I. 203. jio.2.) — Paxton
 1. c. XVI. 34. (eric.)

6433. **BURTOSTIA** R. Br.

(DC. Prodr. II. 106. — Wlprs. Reperf. I. 569. V. 426, Annal. I. 203.)

1. 'B. PULCHELLA Meisn. — Wlprs. Reper. V.426. no.1. — Hook. Bot. Mag. 1.4392.—
 Van Houtte, Flore des serres IV. t. 406. — Morren, Ann. de la soc. d'hortic. de Gand
 IV. 369. t. 219.

6433/. **AMPTOCYTISUS** Meisn.

(Meisn. in Lehm. Plant. Preiss. II. 211.)

Calyx ebracteolatus quinquepartitus, laciniis subaequalibus lineari-subulalis. Corollae papilionaceae petalis brevissime unguiculatis, vexillo reliquis parum longiore ovato, alis carinaque aequalibus oblongis oblongis rectiusculis, supra basin vix auriculatis. Stamina 10 libera, aequalia glabra. Ovarium sessile sericeo-pubescentibus 2-ovulatum. Stylus capillaris incurvus, glaber, ovario longior, basi vix dilatatus, stigma acutiusculum. Legumen brevissime stipitalum lanceolatum acuminatum compressum, suturis nerviformibus tenuiter marginatum, uniloculare, 2-spermatum, intus glabrum. Semina cistriolata. — Fructulus tenellus: ramis elongatis filiformibus; foliis sparsis exstipulatis, angustis; pedicellis terminalibus solitariis v. subcorymbosis; floribus parvis flavis.

1. L. TENELLUS Meisn. 1. c. — *Durtnnia? tenella* Meisn. — Wlprs. Reper. V.426. no.3.
 — Variat ramis glaberrimis et puberulis. — In Nova Hollandia ad fl. Cygnorum.

6434. **JACKSONIA** R. Br.

(DC. Prodr. II. 107. — Wlprs. Reper. I. 569. V.426.)

1. J. RAMOSISSIMA Bnh. in Mitchell, Journal of tropical Australia pag.258. — Inermis: ramis angulatis ramosissimis glabriusculis; floribus subsessilibus; calycis colorati profunde divisi laciniis duabus superpreinis diu vel omnino cohaerentibus; legumine subsessili ovato acuto ventricoso. — Crescit in Australia orientali tropica.
 2. J. FASCICULATA Meisn. in Lehm. Plant. Preiss. II. 212. f — Ramis validis teretibus v. ad nodos apicem subcompressis ramisque dense sulcato-striatis, junioribus sericeo-puberulis, sterilibus spinosis simplicibus (v. raro furcatis) palulis, leviter recurvo-falcatis, basi compressis; floribus ad basin spicarum fasciculatis subsessilibus; calycis sericei tubo brevissimo, lobis oblongis acutiusculis; ovario stipitato. — Habitat in Nova Hollandia ad fl. Cygnorum.
 3. J. RACEMOSA Meisn. 1. c. f — Ramis ramisque torctibus tenuiter striatis sericei demum glabris, sterilibus subsimplicibus inermibus; racemo terminali, pedicellis solitariis calyce dimidio brevioribus medio bibracteolatis; calycis estus adpresse albido sericei lobis breviter acuminatis, tubo quadruplo longioribus, patulis; ovarii villosi stipitato calycis tubum subaequante; legumine oblongo, demum glabro mutico, valvis parum convexis. — In Nova Hollandia ad fl. Cygnorum.

6435. **BAVIESIA** Sm.

(DC. Prodr. II. 113. — Wlprs. Reper. I. 569. II. 832. V. 427, Annal. I. 203.)

1. D. FILIPES Bnh. in Mitchell, Journal of tropical Australia pag. 363. adnot. — Inermis hirsutis inermibus; foliis ovali-oblongis sublanceolatisve, opice spinoso-mucronatis plainis pubescentibus; pedicellis filiformibus folio demum longioribus in pedunculo brevissimo solitariis geminisvo. — Crescit in Australia orientali tropica.

2. D.? TRIGONOPHYLLA Meisn. in Lehm. Plant. Preiss. II. 213. f — Dense puberula: ramis alato-triquetris, inter alas terebibus subcostatis; foliis horizontalibus! patentibus rigidissimis triquetris mucronato-pungentibus, utrinque laevibus enerviis, facie superiore ovali plana v. complicato-concava, dprsali alte carinata, carina in rami nlam deorsum deliqjiescentem decurrenie; floribus..... — In Nova Hollandia ad fluvium Cygnorum.

6437. SPHAEROLOBBIUM Sm.

(DC. Prodr. II. 107. — Wlprs. Repert. I. 571. V. 429.)

1. SPH. MACRANTHUM Meisn. in Lelim. Plant. Preiss. II. 213. f — Ramis teretibus leviter sulcalis, caeterum laevibus; calycis tubo brevissimo; carina obovata arcuata obtusissima, alas subaequante; stylo filiformi, basi redo nudo. apice exserto et bine breviter membranaceo-alato. — Habitat in Nova Hollandia ad, Q. Cygnorum.
2. SPH. SCABRIUSCULUM Meisn. 1. c. 214. f — Ramis teretibus, leviter sulcatis minute punctato-scabriusculis; calycis lubo labiis dimidio brevior; carina obovata, ampin, obtusissima, veiillo alisque loifgiore; stylo complanato-filiformi, basi recto, apice exserto et hinc membrana angusta longe decurrente alato. — Habitat in Nova fiollandia ad fl. Cygnorum.

6438. URODOHT Turcz.

(Bulletin de la soc. imp. des natur. de Moscou XXII. Part. II. p, 16.)

Calyx basi bracteolis duabus stipatus bilabiatus, labiis subaequilongis, superioris dentibus 2 laterioribus, inferiore tridentato, dentibus omnibus setaceo-acuminalis. Corolla papilionacea, petalis unguiculatis, vexilli lamina latissima emarginala, carinam obtusam, alis paulo brevior subaequante. Stamina decem, filamentis liberis glabris. Ovarium breviter stipitatum biovulatum villosissimum. Stylus ovario multo longior, basi parum dilatatus pubescens, caeterum filiformis glaber, stigma minutum. Legumen? — Frutex ramosus glaber: foliis alternis sessilibus oblongis, obtusiusculis, stipulis nullis; floribus ad apices ramorum in capitula densa collectis, fasciculato verticillo foliorum supremorum involu-crato, singulis brevissime pedicellatis, ad basin calycis bracteolis duabus setaceis, dentes calycinis fere aequantibus stipatis, vexillo et alis in sicco rubentibus, carina atropurpurea. Genus-*Phyllotae* affine, sed calycis forma, ovario stipitato atque carina respectu alarum brevi distinctum.

1. 'U. CAPITATUS Turcz. 1. c. p. 17. - Habitat in Nova Hollandia.

6440. AOTIS Sm.

(DC. Prodr. II. 109. — Wlprs. Repert. I. 572. V. 429.)

- * A. MOLLIS Benth. in Mitchell, Journal of tropical Australia p. 236. adnot. — Endique mollior tomenoso-villosus: ramis erectis rigidis; foliis sparsis anguste oblongis, ^argine revolutis; calycis vix bilabiati dentibus subaequalibus; ovario breviter stipitato brevissimo. — Crescit in Australia orientali tropica.
2. A. PREISSII Meisn. in Lehm. Plant. Preiss. II. 214. f - Ramis pubescentibus; foliis sparsis oppositisque v. ternatim subverticillatis linearibus obtusiusculis muticis, pUosis v. demum glabris, supra convexis, subtus canaliculatis. margine revolutis; pedicellis axillaribus subsolitariis brevissimis. squama obcordata concava decidua bracteatis; ca-b'cis laxo cano-pilosi labio superiore acute bifido.
- «. *iciophylla*: — A. *procumbent* Meisn. — Wlprs. Repert. V. 430. no. 3.
- P. *dasyphylla*: rami* erectis patentibus villosis, foliis rectis diu pilosulis, secus marginem punctato-scabriusculis. — In Nova Hollandia ad fl. Cygnorum.
3. A. CARINATA Meisn. 1. c. 215. f — Foliis ternatim verticillatis sessilibus lanceolatis complicatis obtusiusculis muticis, dorso acute carinatis, margine dense albo-villosis,

junioribus ramulisque pilosis; floribus axillaribus solitariis sessilibus, mihi bicoloribus; calycis cuius membranae glabriusculi denibus brevibus acutis ciliatis, labio superiore breviter bimembris; vexillo late ovato; stylo capillari glabro, ovario sessili obovato compressissimo puberulo. — Habitat in Nova Hollandia ad Il. Cygnorum.

6442. EUTAXIA fl. Br.

(DC. Prodr. II. 109. — Wlprs. Report. I. 573. JI. 832. V. 430, Annal. I. 203.)

1. *EU. MYRTIFOLIA R. Br. — DC. 1. c. no. 1.

£. *angulifolia*: Meisn. in Lehm. Plant. Preiss. II. 216. — Laxe ramose: ramis subquadriformibus elongatis; foliis remotiusculis patulis, lineari-lanceolatis pungenti-acutis, parce venosis, vix coriaceis; pedicellis calycem subacquantibus. — In Nova Hollandia.

6443. CASTROLOBIUM*! B. Br.

(DC. Prodr. II. 110. - Wlprs. Report. I. 573. V. 431. Anwil. I. 905.)

1. G. ROTUND [FOLIUM Meisn. in Lehm. Plant. Preiss. II. 216. f — Ramis glabris, novollis pedunculisque albido-lanuginosis; stipulis membranaceis lanceolatis acuminatis persistentibus; foliis oppositis subsessilibus orbicularibus, passim late ovalibus obovatisque, pungenji-mucronatis plus inlegris, utrinque reliquialibus glabris; racemis axillaribus terminatis bracteatis folio longioribus, demum laxiusculis; calyce subsessilibus cano-pubescentibus, lobis subaequilongis acutiusculis, labii superioris bifidi vix latioribus; ovario subsessili, villosa. — In Nova Hollandia ad Il. Gygnorum.
2. G. CALLISTACHYS Meisn. 1. c. f — Stipulis obsolete; foliis sparsis subvermicularibus oppositisque, breve petiolatis linearibus, basi attenuatis, apice rotundatis v. emarginatis Biurodulibus aiuticisve utrinque reticulatis, supra glabris, subultra ramulisque glabris demum glabris; racematis terminalibus crebre pedunculatis multioribus; pedicellis colycem subaequantibus ebracteatis; calycis subsericeo lobis superiore longiore truncato-bifido, inferioris lobis angustioribus; ovario stipitato villosa. — In Nova Hollandia ad fl. Cygnorum.
3. G. POLYSTAGHYDUM Meisn. 1. c. 217. + — Ramis pubescentibus, demum glabris; stipulis setaceis, petiolo multo longioribus deciduis; foliis oppositis oblongis, utrinque rotundatis v. subtruncatis apice marginatis v. passim breviter indentatis mucronatis, margine subrecurvo obsolete crenulatis undulatisque, utrinque reticulatis, supra glabris, subtus cum pedunculis calycibusque adpresso incano-villosis; racemis axillaribus subsessilibus, folia subaequamulibus dense multifloris, pedicellis calyce brevioribus; bracteis glabriusculis, ovato-lanceolatis, acutis concavis calycem superantibus caducis. — Habitat in Nova Hollandia ad fl. Cygnorum.
4. G. STIPULARE Meisn. 1. c. 218. f — Ramis villosa-tomentosis; stipulis longissimis setaceis ciliatis recurvo-patulis; foliis varticalatis sparsisque sessilibus linearibus mucronatis, margine recurvis. max glabris, venis transversis utrinque conspicuis. nervo medio supra immerse, subtus cum veis promiaulo, interstitiis lacunaiformibus; iloribus axillaribus subsolitariis, brevissime pedicellatis; calyce senceo, labii superioris bifidi lobis vix latioribus; legumine sessili, ovato lurgido, demum glabrato. — In Nova Hollandia ad A. Cygnorum.
5. G. BAHULOSUM Meisn. 1. c. f — Jiamulis «ano-lomeatosis; stipulis minutis setaceis caducis; foliis ternis sessilibus (parvis) obovatis, apice rotundatis setulatis curva mucronatis planis, utrinque grosse reticulatis glabris; racemis interdigitalibus treve pedunculatis. iaxe paucifloris; calycis cano-villosi pedicello pluries longioribus lobis subaequilongis, breviter aelaeo-acuminatis. superioribus duobus laucibus alliu connatis: «varii» brevi glabro. — In Nova Hollandia ad Jluviu Cygnorum.

6445/. LATROBEA Meisn.

(Meisn. in Lehm., Plant. Preiss. II. 219.)

Calyx minutus, membranaceus, cupularis, subaequaliter 5-dentatus, ebracteolatus. Corolla papilionacea calyce multoties major, unguibus brevissimis; vexillum subrotundo-ovatum, alis parum longius; alae carinaque subaequales oblongae obtusae vix incurvae, basi auriculatae. Stamina 10 imo calyci inserta libera glabra, filamentis filiformibus subaequilongis, antlieris oblongis dorso prope basin affixis aequalibus. Ovarium brevissime stipitalum oblongum pubescens biovulatum. Stylus capillaris incurvus, basi baud dilatatus glaber; stigma aculum. Legumen subsQssile, ovaio-oblongum, piano -compressum acuminatum uniloculare *2-spermum, intus glabrum. Semina reniformia stropholata. — Fruticuli ericoidei: foliis exsiipulatis sparsis anguste linearibus inermibus, ramulorum infimis squamaeformibus nanis ovatis acutis concavis fuscis; floribus terminalibus solitariis inter folia reliquis latiora subsessilibus ebracteolatis flavis.

1. X. BRUNONIS Meisn. 1. c. — *PuHenaëa Brunonis* Bnth. — Wipers. Repert. I. 574. no. 1.
2. 'L. GENISTOIDES Meisn. 1. c. — *Pultenaea genisloides* Meiso. — Wlprs. Repert. V. 432. DO. 1.

6446. PULTENAEA Sm.

(Pultenaeae sect. Hymenota DC. Prodr. II. 110. — Wlprs. Repert. I. 574. II. 832. V. 433.)

1. P. DRUMMONDII Meisn. in Lehm. Plant. Preiss. II. 219. f — Ramis glabris. novellis pubesceniibus; siipulis parvis «cariosis ovato-lanceolaiis setacco-acuminatis, adpressis, demum laceris v. deciduis; foliis sparsis, brevissime petiolatis linearibus obtusfc muticis, margine revolmis, supra glabris denseque punctato-scabris, subtus adpresse pilosiusculis; capiulis leninalibus; bracteis imbricato - adpressia., calycem subaequantibus scariosis ciliatis glabris triQdis, lobis acuminatis, intermedio bravi; calycis bibracteolati puberuli labioPsuperfore roiundato. brevissime bifldo, ioferioris trifldi lobis acutis ciliatis. — Habitat in Nova Hollandia ad fl. Cygnorum.
2. P. PINIFOLIA Meisn. 1. c. 220. + — Ramis pubescentibus; stipulis minutis falcato-linearibus patulis, summis longioribus; foliis subsessilibus flliformi- linearibus mucronatis, demum muicis, margine revolutis, parce pilosiusculis, demum glabris; corymbis terminalibus contractis foliosis; calycis pedicello vii longioris puberuli campanulati semi-quinqueQdi lobis subaequalihus acutis, superioribus 2 altius connatis; legumine se^slli villosa ovaio turgido, 2-spermo, intus pubescente. — Habitat in Nova Hollandia ad fl. Cygnorum.

6448. RUBBBliIA Sm.

(DC. Prodr. II. 114. — Wlprs. Repert. I. 576. V. 433. AnnaL I. 204.)

- * M. MEISNERI Hook. Bot. Magaz. tab. 4419. f — Morren. Ann. de la «oc. d'borlic. de Gand V. 55. tab. 240. — Foliis (parvis) flabelliformibus in petiolum brevem angustatis. *Pice inci.o-multifldis, segnwntis spinosis. — *M.dHaUOa* Meisn. nee R. Dr. — In Nova Hollandia.
- * M. PULCHELLA Meisn. in Lehm. Plant. Preisi. IL 221. t — RamuUs angulatis pube* rui«s; foliis oppositis ternisque subsessilibus patentibus linearibus. margine arcle revolutis, obiusis v. obsolete recurvo - mucronulatis laeviusculis; floribus in summis axillis solitariis, saepe apfroicQato-subcapitali«; calycis pedicello duplo longioris subsericeï basi minute bibracteolati labio superiore breviler bifldff, inferioris lobis tube sublongioribus lanceolaUs acutiff; o?ario glabro 6-ovulato; legumiae sessili oblongo subdidyuo. — ia Nova Hollandia ad fl. Cygnorum.

Tribus II. *LOTEAE* DC.Subtribus I. *GENISTEAE* DC.6451. *HOVEA* R. Dr.

(DC. Prodr. II. 115. — Wlprs. Repert. I. 576. II. 832, V. 433.)

1. *H. LEIOCARPA* Bnth. in Mitchell, Journal of tropical Australia pag. 289. adnot. — Fruticosa: foliis anguste oblongis sublanceolatisve integerrimis, subtus reticulatis pubescentibus, venis primariis obliquis; pedicellis in pedunculo brevissimo aillari subgeminis, calyce longioribus; calyce adpresse tomentoso; legumine glaberrimo. — Crescit in Australia orientali tropica.

6455. *BOSSIAEA* Vent.

(DC. Prodr. II. 116. — Wlprs. Repert. 578. II. 833. V. 434.)

1. *B. CARINALIS* Bnlb. in Mitchell, Journal of tropical Australia pag. 290. adnot. — Ramulis teretibus puberulis lobiosis; foliis subsessilibus subcordato-ovatis acutiusculis puberulis; pedicello calyce paulo brevioribus; corollae alis vexillo longioribus, carina multo brevioribus. — Crescit in Australia orientali tropica.

6471A. *PHIXLOCAIiYX* A. Rich.

(A. Rich. Tent. A. Abyss. I. 160. t. 34.)

A *Crotalaria* differt pedicellis bibracteolatis, calyce vesiculoso. quin-quangulari, vexillo ecalloso, antheris alternis-magnis cordatis, alernis parvis globosis et disco ad basin ovarii cupuliformi:

1. *PH. QUARTINIANUS* A. Rich. 1. c. — Caule basi suffrutescente ramoso, tereti; ramis virgatis. junioribus ferrugineo-tomentosis; foliis peliolatis digitato-3-foliolalis, foliolis elliptico-oblongis acutis, tenuiter membranaceis, superne glabriusculis, subtus pubentibus; stipulis setaceis hirlis; racemis oppositifoliis elongalis, folio multoties longioribus; floribus luteis distantibus pedicellatis; bracleis 2 foliaceis paulo infra calycem bitis; calyce clauso penlagono vesiculoso, expanso maximo, lobis foliaceis reliculato-venosis; carina infra valde convexa, apice rostrata, alis breviori; staminibus monadelphis; antheris dissimilibus, alternis minoribus; ovario elongato; stylo angulo recto curvato, stigmate parvulo terminali, vagina crassa truncata, basin ovarii cingente legumine longe stipitato, inflato, apice uncinato glabriusculo, polyspermo, — *Crotalaria platycalyx* Steudel mss. — Habitat in Abyssiniae provinciis Chirf ft Semiene.

6472. *CROTAIiARIA* Linn.

(Bnth. in Wlprs. Repert. V. 435. - DC. Prodr. II. 124. - Wlprs, Repert. I. 583. II. 835. Annal. I. 204. ft 967.)

Series I. *SIMPLICIFOLIAE*.

1. *CR. TRIQUETRA* Dalzell in Hook. Kew gard. misc. II. 54. — Annua e basi ramosa: ramis prostratis acute trigonis patenti-pilosis, stipulis ovalis aculis reflexis; foliis oblongo-ellipticis basi subcordatis brevi-petiolatis, supra glabris, subtus sparse patenti-pilosis; racemis oppositifoliis folio 6—7-plo longioribus pauci-(3)-floris; floribus mediocribus distantibus pedicellatis; bracleis triangularibus acutis, bracteolis subcalyce minutis setaceis, pedicello calycem subaequante; calycis adpresse villosi 5-partiti laciniis acutis subaequalibus vexillo dimidio brevioribus; ovario multiovulato; legumine adpresse villosa stipitato oblongo calyce 3—4-plo longiore; vexillo subordi-

- culari dorso apicem versus sericeo, stipulis petiolisque aequilongis. — Folia $i^{1/4}$ poll, longa, 7 lin. lata. — Habitat in Indiae orientalis provincia Maiwan.
2. CR. LUTESCENS Dalzell 1. c. — Annua erecta elata parce ramosa glabra: ramis teretibus; stipulis nullis; foliis elliptico-oblongis utrinque glabris, junioribus interdum subtus parce adpresse villosulis; racemis terminalibus simplicibus paucifloris; floribus majusculis dislanibus longe pedicellatis; bracteis persistens bracteolisque sub calyce subulalis miimis, pedicello calycem aequante; calycis glabri lacimis superioribus subulalis vexillo dimidio brevioribus; ovario multiovulato; legumine glabro cylindrico stipitato calyce 3-plo longiore; vexillo nmplo polican cordato-ovato acutiusculo, dorso muliistriato, apice parce pilosulo, sub anthesi omnino reflexo, alis carina brevioribus, carina apice contorta, dorso linea pilosa instructa. — Folia 2—272 poll, longa, 10—15 lin. lata. — Habitat in Indiae orientalis provincia Maiwan.
3. CR. FERRUGINEA Scheele, Linnaea XXI. f — Gaulis suffruticosus erectus ramosus teretiusculus pubescens, superne stipularum decurrentia alatus, rami erectiusculi. Stipulae inferne nullae, superne late decurrentes cauli adnatae, apice vix liberae. Petioli brevissimi pubescentes. Folia subspssilia oblonga integerrima uninervia parallela venosa, subtus holosericea ferruginea, supra pubescentia opaca, apicem versus attenuata, apice rotundata. Racemi erecti submultiflori, fructiferi elongati. Bractea spatulata - oblongae hirsutae acuminatae in petiolum longum attenuatae peduculo brevioris. Calyx bilabiatus pubescens, labium superius 2-, inferius trifidum, dentibus falcatis lineari-lanccolatis. Podunculi erecti pubescentes flore breviores. Corolla glabra calycem superans, carina falcata rostrata acuminata, alis vexilloque longior. Stylus lateraliter barbatus. Legumen stipitatum membranaceum inflatum polyspermum glabrum rostratum. Semina reniformia. — Crescit in provincia Mioarum generalium Brasiliae.
4. CR. REGELLII Dnth. Linnaea XXII. 511. f — Suffruticosa? adpresse villosa: foliis ovatis oblongisve obtusis, utrinque pubescentibus; stipulis superioribus decurrentibus, summis acutis angulo recto divergentibus; racemis terminalibus elongatis multifloris; bracteis subsimplicibus pedicello longioribus; calycis (ampli) laciniis superioribus late lanceolatis vexillum aequantibus. — Species *C. Pohhanac* atque quidem sed distincta: foliis latioribus omnibus obtusis iis *C. stipulariac* similioribus, stipularum superiorum parte libera evidentiore, saepe 4—6 lin. longa lanceolata. Coribus multo majoribus, calyces enim 7—8 lin. longi. A *C. stipularia* distinguitur etiam stipulis recte lanceolatis vel triangularibus nee falcatis, a *C. genistella* foliis latioribus, stipulis brevius decurrentibus, ab utraque floribus multo majoribus. — Crescit in Surinam.
5. CR. MITCHELLII Bmh. in Mitchell, Journal of tropical Australia pag. 122. adnot. — Erecta: ramulis flavescens-tomentosis; stipulis parvis subulatis; foliis ovali-ellipticis obtusis reusisve, basi angustatis, supra glabris. subtus calycibusque subsericeo-pubescenti-tomentosis; bracteolis in pedicello brevissimo minutis setaceis; legumine sessili glabro. — Affinis *C. retusbe* et *C. sericeae*. — Crescit in Australia orientali tropica.
6. CR. STURTII R. Br. in Sturt, Expedit. Centr. Austr. II. App. 70. - Tomentosa: foliis simplicibus ovalibus utrinque sensu-tomentosis, petiolis apice geniculatis; racemis terminalibus multifloris. — Frutex 2—3-pedalis. Folia alterna, ovata passim ovalia. obtusa, sesquipollicem longa. utrinque vix unius; petiolus teres basi vix crassiore, apice curvatus. Racemus terminalis; pedicellis approximatis calycem vix aequantibus, apice bibracteatis. Flores sesquipollicares. Calyx 5-fidus, laciniis lanceolato-linearibus acutis subaequalibus tubum paulo superantibus. Corolla sordide rosea. calyce plus duplo major. Vexillum magnum, basi simplici nee auriculata. late ovatum acutum. Alae vexillo fere dimidio breviores, basi semicordata. Carina longitudinaline vexilli, acuminata, basi gibbosa ibique aperta, marginibus tomentosis. Stamina 10 diadelphe, simplex et novemfidum. Antherae quinque majores lineares, juxta basin affixae quinque reliquae ovatae, linearibus tripliciter breviores, incumbentes. Ovarium lineare multiovulatum. Stylus extra medium et praesertim lateri interiore barbatus. Stigma obtusum. — In Nova Hollandia centrali.

7. [#]CR RfcTUS\ Linn. — Wlprs Repert I 586 no 26 V 436 no 37 — Miq Stnp Surinam select 24 + — Cr. Hostmann Sleudl — Wlprs Repert V. 443 no 100

Senes II. *TRIFOUOLITAE*.

- 8 CR (CHRYSOCALYX) QUARTINIANA A Rich. Tent, fl Abjss. I 159 — Caule pedah aut sesquipedali erecto tamoso tereti subangulato, in parte supenon hirtis; folus petiolatis, foliolis lanceolatis aut elliptico-oblongis acutis, superne glabris, subtus praesertim margine et in nevis hirtis, stipulis incunapicuis floiibus denj>e inceinosis (racemo simplici terminali, mullilloro), breviter pedicellate, 3-bratteatis, biactca infenon basi latiuscula et mox setacca. inrta. lateralibus calyci appressis linean-setaceis hirtis calycis 5-pariiu lacimis lanceolatis acutisswm, externe luyiiSDimis, fere coollam aequantibus legumine ovoideo-oblongo, aureo-sencco, vix calyce longion — Habitat in Abyssinia prope Tchelatche'kanne'
- 9 CR. (CHRYSOCALYX)*PETITIANA A Rich I c. — Caule erecto 1-2-pedah ramoso, superne striato <t ferrugineo-hnto. folus petiolatis, foliolis elliptic!*, acutis et mucronatis glaum, superne glabris, subtus appresse pilosis supremorum lanceolato-linearibus, stipulis inconspicuis, racemo terminali simplici denso multifloro, flouibus luteis purpureo-^enosis pedunculaus, 3-bracteau*, hiactea infenore lanceolate sublineari, externe Inrta. lateralibus cahci appressis lineanbus, calyce dimidio hrevionbus, lac mi is cahemis hirtis simio\alibus longe acummatiss, legumine. — Habitat in Abjssinae diMnctu Adderbni
- 10 CR L\ f UNOPHORA Uochstett mss. ex A Rich. Tent 0 Abjss I. 151. — Rufotomentosn caule robusto, 2—3-pedah, ramoso, stnato, folus longiuscule petiolatis, folli> ohovnlibus oblongis, ba^i cuneatis, superne glabrusculis, subtus pubenti-rufis, shpulis subfoliaceis, semicordato-subfalcatis acutis&imiss, subtus senceo-rufis, racemo leumali paucifloro, flonbus amplis, calycis tripartiti lacimis latis obovalibus<< acutis lufo-senceis, legumimbus mflatis, apice acuminntis tomento senceo rufo obtectis polyspermis, seminibus 16—18 — Habitat in Abyssinia prope Geumello ct m distr. Damo
- 11 CR (CHRYSOCALYX Hochst. mss) SCHIMPERI A Rich 1 c — Caule orecto tereti. 2—3-pcdali, pilis longis densis aureo-ferrugineis obteclo. foliolis obovalibus obtusissimiis sessilibus, subtus in nervis pilosiusculis. caeterum glabris, stipulis anguste linearibus pilosis, floiibus parvulia, racemum terminalom eflbrmantibus, caljce 5-partito bilabiato, piloso, corolla MI calyce longion, legumimbus sessilibus, inflaio-teretibus, sesquiuncialibu*. lurtis, npice ucuminalis —Habitat in Abjssinae campia ~~aridia~~
- 12 CR MONTANA A Rich 1 c 152 — Caule erecto ramoso bipedali piloso, pilis ~~longis~~ ferrugineis, folus petiolatis, foliolis late obovalibus obtusissimi* subaequalibus ciliaris, superne glabris, subtus pilis rans conspersis, stipulis setaceis longis acutis pilosis. laceino terminali aut oppositifolio longe pedunculato nudo 6—8-floio floiibus bre-Mtei pedicellads 3-bracteatis, bracteis 2 ad basin calycis lincanbus pi osis, calycis 5-partiti lacinus lineaii-lanceolaiis, atulisbimis, pilosis, pilis auieis, corolla calycem \ix aequante, vexillo dorso cannato et piloso, legumimbus mflatis, apice acuminaiis — Habitat in Abjssima in monte Selleuda
- 13 CR RECTA Steudel mss e\ A Rich 1 c • — Caule recto simplici 2—3-pedah tereti. apice dense pubente stnato, folus breviter petiolatis, foliolis mfenonbus obovali-oblongis acutis, intermedia brevjon obovali obtuso, omnibus subtus puberulis, siipnlis lanceolatis, acutissimis puberulis, racemo terminali simplici multiOoio denso, 3-^{*}^ uncias longo, calycis turbinati 5-fidi lacinn* serai -ovalibus acutis glabris, vix p^{AS} sparsis versus apicem conspersis, legumimbus sessilibus mflatis, apice crassioribus Inuncialibus glabris, seminibus numerosissimiis parvuhs remlormibus nitidis — HabW* in Abyssinia non procul ab Adoua
- 14 CR MACROSTIPULA Stewfel 1 c 153 — Annuca caule sesquipedali simplici striato villosa, folns longe peiioiaus, foliolis oblongo-lanceolatis oblusiusculus mucrontilaus pilosiuscuhb, stipulis oblongo-semicordatis foliaceis sublanceolatis pijosis, ~~racem~~

- termioah pauoifloro[^]fructibus teretibus utriusque obtusi*, apice acuminatu. <hiplo longionibus quam latis. non stipitatis pubentibus polyspermis, semmibus 15—20 compressis mlenibus — Habitat in Abyssinia prope Tchelathekane.
- 15 CR SIMPLEX A Rich Tent fl Ab\ss I 153 — Caule erecto simplici 2-pedali teretii striato pubente foliis breviter petiolatis, foliis lanceolatis acutis aquibus superne glabris, subtus pubentibus stipulis lanceolatis in nervibus acutissimis racemo terminali nudo 6—9 unciarum longo multifloro flonibus densis breviter pedunculatis calycis 5-fidii lacinis ovali-oblongis acutis pediculis, fructibus — Habitat in Abyssinia ad Debra-Sim
- 16 CR CARINATA Sicudel mss ex A Rich Tent fl Abjss I 154 — Caule erecto 2—3-pedali, basi sub lignoso lamoso ramis rectis gracilibus teretibus pubentibus, foliis petiolatis foliolis elliptico-oblongis acutis aut subobtusis mucronulatis pallidis superne glabris subtus pubentibus, stipulis minimis setaceis racemo terminali elongato, flonibus densis calycis 5-partiis lacinis oblongis abrupte acuminatis, legumibus sessilibus, bivibus obtusis, apice mucronatis pubentibus, 12-spermis — Habitat in Abysinia prov Tigrid
- 17 CR CYLIBDRHAA Rich 1 c — Caule basi suffrutescens ramis, erecto pedali, cinereo-pubente folio breviter petiolatis 3-foliolatis, foliolis oblongis concavis angustis obtusis submarginatis pulverulentis puberulis, stipulis ovatis, racemis terminibus nudis, 8—10-lineis flonibus luteis magruludine mediana, calycis denibus 5 subacutis vexillo supra unguem bicarunculato legumibus teretibus subinflatis puberulis-cinereis polyspermis — In Abysinia circa Adouam
- 18 CR ONOBRYCHIS A Rich 1 c — Caule erecto ramoso sesquipedali, ramis striatis pubentibus folio petiolatis, foliolis obovatis-oblongis aut ellipticis aut subobovatis acutis, superne punctatis, subtus puberulis-pilosis, stipulis inconspicuis flonibus parvis purpurascens, racemus terminalis aut oppositifolium elongatum multiflorum nudum efformantibus bractea unica linearis suffultis calycis pilosi 5-fidii lacinis oblongo-lanceolatis acutis subaequalibus vexillo angusto basi longiuscule unguiculato, cum alis angustis venoso legumine inflato, teretibus semiuncialibus, glabris, basi breviter stipitato — Habitat in Abysinia in convalle fluvii Taccaze
- 19 CR ASTRAGALINA Hochst mss ex A Rich 1 c 155 — Caule erecto bipedali imbricato teretibus pilosis folio petiolatis, foliolis oblongo-ellipticis obtusis pallidis pilosculis, stipulis nullis, racemo oppositifolio pedunculato, folio longioribus, apice multifloro, flonibus parvis densis calycis denibus 5 acutis Legumibus sessilibus brevibus, teretibus, utrinque obtusis, apice uncinatis puberulis 10—14-spermis — *Cr. tinata* A Di aum — (Wlprs Repert I 590 no 66 \ 444 no 123) — *Cr. impressa* N ab E — (Wlprs Repert I 590 no 67) — In Abysinia prov Tigrid
- 20 CR MELILOIDES Steudel mss ex A Rich 1 c — Caule erecto sesquipedali apice ramoso striato pubente folio petiolatis, foliolis oblongis obtusissimis puberulis pallidis stipulis setaceis flonibus parvis, racemos terminales et oppositifolios densos multifloros subsessiles rectos efformantibus, calycis 5-partiti lacinis inaequalibus acutissimis fructibus parvis puberulis inflatis apice uncinatis 8—9-spermis subsessilibus — Habitat in Abysinia provincia Tigrid
- 21 CR CEPHALOTES Sleudei mss ex A Rich 1 c 156 — Pusilla caule erecto aim-
P. ^{peti} aut a basi ramoso purpurascens teretibus submentoso. foliis petiolatis, foliolis ob-
longis angustis subsessilibus obtusis, pilosis-tomeniifolis. stipulis mi-
mialibus depresso capitalo folio longioribus quasi involucroio, flonibus parvis subses-
silibus legumibus sessilibus obovatis, pisiformibus tenentibus in lauis, apice uncinatis
2-4-spermis sennibus compressis remiformibus nitenibus — Habitat in Abys-
inia prope Tchelathekane*
- 22 CR SPINOSA Hochst mss ex A Rich 1 c — Caule suffrutescens erecto ramoso (raris divaricatis, ramulis apice spinescentibus) pedali, genis puberulis, folio parvis bre-
viter petiolatis foliolis subcordatis-oblongis aut truncatis cuneatis subulnis cum petiolo
liaribus, stipulis linearibus brevibus apice quasi subsessilibus, flonibus parvis
luteis in parte media ramulorum spiniferentium solitariis nudis calycis hirsutis latinis

- lanceolatis, leguminibus sessilibus, obovatis pubentibus parvulis, 8-10-speimis, so minibus mtidis — Habitat in Abyssinia? provincn Yedjou
23. CR LOTOIDES A Rich 1 c 157. f — Pumili cuile 3—6 uncias alto, caespitose. ramoso ~~pi~~» rúns ngidiusculis consperso folns bievibsimè petiolatis, foliolis parvulis ellipticis oblongis, basi angustatis, apice acutis out subobtusis et apiculatis rufo-pilosis stipulis nullis pedunculo terminali 1— 2—5- saepius 3-floio flonbus parvulis bicvitsnnc pedicellatis bncteoils 2 opposilis Imeanbus ciliatib pilosis calyci appressis cahu* 5-pnrtili lacinnis obovali-oblongis longe acununatis ciliatis pilosis collolla paulispei br\ionbus legumiibus inflntis o^ideis sessilibus apice uncinatis lufo-pilosis 6—8-spenms — *Crol tilantha* Steiidel mss var a *umflora* — Habitat in Anssimae provincia Tigrd
- 21 CR MAFROPODA Hochst mss c\ A Rich I c — Paivula caule spithamaeo, a basi ramoso ferugmeo-lurto foliolis fNipticis aut obovahbu* acutis aut obtusis, praeseitim subtus senceo-pilosis stipulis libens oblongo-lanceolatis acutissimis pilosis, racemis oppositifolns clongitis, piuciflons brgeteis sessilibus, cordatis, acutis pedunculis gracilibus clongalis cnljcis 5-fidi bdabnti lacinus lanceolatis acutis pilosis, corolla viz caljce longiore fiuctibus stipitatis (stipite caUcem aquante), subtereti-globosis, apiculatis lacvibus glabnusculis — Habitat in Abyssimae provincus Ghir^ 8c Sana locis paludosis
- 25 CR QUARTIMANA A Rich 1 i 158 - Caule a basi ramo«o pedali toreti ferrugineo-tomento*»o foliis priiohtis foliolis o\ IIIJUS subacutis, intermedio lateialibus latiore, in supicmis oblongo-lanceolate icutis, subtus piloso-senceis, stipulis setaccis pilose (lonbus peduncuhtis 2—3 in rxticmitate lamulorum, bracteis^Tunis oppositis o\ah-acute ad basin s^ulorum floium cahcis 5-pailili lacinus foliaccis inaequabbus, 2 supenoibus multo mijonbus filcalis htis oblique acutis legumine breviter stipituo oblongo, apice cnssion inDato uncnli apice uncmato, glabro subglaucescente. — Habitat in Ab\ss,iniaie pro\ Cbiic
- Kb CR MAFROSTACHYA Sonder Linnaei XXIII 27 f — Caule iimisquc eiectis pubemlis folus tufoliolatis, stipulis minutis subulalis^ foliolis petiolim aequantibus oblongo-tuncatis mucionulatis, subtus mcanis subsenceis ratemo tcimmah elongato pubescente calvcis liciniis tubura aequanlibus, canna longe lostiata glabra, ovano oblongo senceo. — Poit Isatal
- It CR BRVni\ST\CHYS Bnth Linnaea XXII 512 — Fruticosa erecta ramis petiohs-que rufo-pub||cen(ibus villosisve, foliolis terms oblongo-ellipticis, utrmque acutatis, supra glabus subius pubescentibus, stipulis minutis obsolelisve, racemis subterminalibus dense niultilloiis bmrteis selaceis deciduis in raemo nascente comosis, caljcw late campanu'ati semiquinqucfldi lacinus acummatis, lateralibus apice diu connexis vexillo caljce duplo longiore, cauna antice lanala, legumine bieMssimo stipitato pubescentle — Habitat in Diasiliae provincia Minas Oerats
28. CR DISSITrLORA Bnth in Mitchell Journal of tropical Austialia p 386 adnot — Hcibacea, laxe ramosa stipulis setacus, foliolis elhptico-oblongis, ranus ovalibus obtusis supia glabus subtus lamulisque pube lenui subcanescenlibus racemis erectis oppositifolus elongatis, llonbus (ultra 20) distant.bus cannae rostio brevi recto, ovulis numerosis legumine breMter stipitato pube&ceutc — Afflnis Ci *Senegalen*st — Crescit in Austialia onentali tropica

6473. MJPIITUS *Tom net*

(J Agardh in Wiprs Reperl I 595 II 836 V 452, Amuil I 205)

- 1 L LELCOSPERMUS Boiss Diagnos plant orient nov IX p 8 + - Annuus ~~caule~~ erecto, folns petiolo piano adpresse hirsuto, apice ad petiolulorum insertionem ~~sub-~~

dilatato flavo-sericeo, foliis longioribus sulcatis, foliis 7—9 anguste linearibus ex apice truncato ad retusum sensim attenuatis brevissime petiolulatis, supra glabris, subtus sparsim et adpressissime hirtellis, margine superne subconvolutis, stipulis linearibus, flonibus alternis in spicam laxiusculam oblongam dispositis, bracteis ovato-oblongis mucronatis, calicis aciculosis cito prope basin truncatis deciduisque calycis adpressiuscule hinc labio superiori ad basin fere usque in 2 dentes triangulares acutos* flosso, inferi fere duplo longior acutius, apice minute indentulato, bracteolis linearibus minutissimis utrinque tubo calycino ad hinc basin adnatis vexillo erecto plicato alis emnaeque aequilongo, alis carina incurva acuta fere duplo longioribus, legumine oblongo subspermo inter semina substiangulari hirsuto, nervis elevatis longitudinaliter anastomosantibus irregulariter reticulato, semibus legumine dimidio angustioribus laevibus a basi breviter ovatis immaculate — Crescit in Hispania prope Matritum.

- 2 *L. PHILISTAEUS* Boiss 1 c. 9. f — Annuus caulibus erectis simplicibus vel basi ramosis pumilis foliosis in racemum pauciflorum petiolis foliorum supremorum brevioribus abeuntibus, petiolis planiusculis foliolo longioribus, basi basi 2 stipulis linearibus elongatis auctis, foliolis 7—9 angustissime linearibus, apice truncatis, basi in petiolulos flavido-hirsutos subattenuatis. flonibus sessilibus minimis, bractea oblonga hirsuta calicem subaequantem, calycis adpressae hirsuti labio superiori! bipartite*, dentibus triangularibus acutis, inferius longior lanceolato acuto integro, bracteolis oblongis minutissimis vix perspicuis, utrinque inter labia tubo calycino adnatis, corolla caerulescenti calyce vix duplo longior, vexillo alas aequantem aequantem, alis carina angusta acuta parum curvata vix longioribus; legumine linearibus hirsuto 5—6-spermo toruloso acuminato. semibus 2 (2—3??) diametrum leguminis occupantibus giseis nigro-reiculatim maculatis lenticularibus subcompressis — Crescit in culis regionis Philistaeae inter Gazji et Ramla.
- 3 *L. PALAESTINES* Boiss 1 e t - Annuus pluncaulis caubus pumilis patule et longe hirsutis, petiolis hirsutis foliis plunibus longioribus, foliis obovato-linearibus obtusis, inferne attenuatis complicate, utrinque adpressiuscule hirsuto-sensu, stipulis selaceis elongatis, flonibus in 3—5 verticillos terminales remotiusculos 5—6-floros, saepe basi irregulares dispositis, pedicellis calicem aequantibus, bracteis linearibus citissime deciduis, calycis basi gibbi flavido-hirsuti labio superiori paulo longior lanceolato acuto integro, bracteolis linearibus setaceis inter 2 labia tubo calycino adnatis, corolla pallide flavida caeruleo-rosea, vexillo ovato obtuso alis et cannae aequilongo, carina angusta linearibus, apice violacea acuta, angulo recto fere curvata, legumine flavido-pannosissimo recto lato-linearibus acuminato, semine (immatura) tantum secus peripheriam vermiculatim tuberculato — Crescit in cultis regionis Philistaeorum et in Arabia Palaestinae contermina.
- 4 *L. SPARSIFLORUS* Benth Plant Hartwg 303 — Annuus hirsutissimus caule ramoso fere hirsuto, foliis linearibus-oblongis cuneatisve, flonibus in racemo laxo plensque alternis calycis labio superiore bipartito, lobis basi cum inferius integra connatis — *Statura* *L. tonewno* elatior, 8—10-pollucibus filipatentes cum alis appressis mixti, flores tamen lites *L. conem* Stipulae ad medium adnatae subulato-setaceae Foliis 7—9, inferius usque *L. concinnx* similia, superiora multo longiora angustiora maxima 6—7 pollucibus Racemus breviter pedunculatus in pollicibus Bracteae setaceae, inferiores infima caducissimae Flores lites *L. nam* subsimiles, omnes alterni vel lanus hinc inde approximati Pedicelli linearibus longi Calyx hirsutus, postice profunde fissus labio inferiore lanceolato-subulato, lobis posticis paulo brevioribus Legumen usque ad 6-spernum, 9 lin longum, 2 hinc latum, pilis rigidis hirsutum, inter semina constretum at non septatum semina orbiculato-quadrata uicilona laeviuscula. — Mexico?

6482. ASPALATHUS Linn.

(DC. Prodr. II. 137. — Wlprs. Repert. I. 609. H. 837, Anál. I. 207. — Bnth. in Hook. Lond. Journ. of bot. VII. 583 — 656. — *Sarcophyllum* Thnbg. — *Sarcocalyx* Wlprs. — *Acropoilitum* Dsvx. — *Pachyraphea* Prsl. — *Plagiosigma* Prsl. — *Sireptosema* Prsl. — *Psihleps* Prsl. — *Parapalathus* Prsl. — *Trineuria* Prsl. — *Uelerolathus** Prsl. — Wlprs. Annal. I. 207 — 216.)

Series I. *CEPHALANTHAE* Bnth. in Hook. Lond. Journ. of bot. VII. 594.

Folia terna vel ad axillas vix fasciculata, plana vel concaviuscula, lateralalia saepe incurva vel undulata vel falcato-recurva, omnia coriacea, glabra pubescentia vel villosa, nee sericea. Flores majusculi vel mediocres, sessiles vel breviter pedicellati, ad apicem ramulorum gemini vel saepius plures, capitulo vulgo foliis summis involucrato. Vexillum in omnibus, carina in plerisque pubescentia vel villosa. Ovula 2—6. Lcpumen (ubi notum) oblique ovalum vel ovato-lanceolatum, calyce brevius vel rarius exsertum et suberectum, pubescens vel villosum.

g. 1. Calycis lacinia inferior major cymbaeformis. Flores capitati. (*Helserolathus* Prsl. — Wlprs. Annal. I. 216.)

1. A. UNDULATA Eckt. ft Zeyh. — Wlprs. Repert. I. 610. no. 16. — Bnth. 1. c. f — Foliis oblongis, utrinque ocutis undulatis subcomplicatis gfabris ciliatisve. floralibus orbiculatis acutis (lores superantibus; calycis pilosi laciniis superioribus liqpari-lanceolatis inflmaque ma jo re cymbaeformi tubo 2—3-plo longioribus; vexillo pubescente carina glabra longiore; ovario quadriovulato glahro; legumine oblique tanccolnto obtuso. — *A. involucrnla* E. May. — *Ononis fasciculata* Thnbg. — In Promontorio bonae spei.
2. A. SUAVEOLENS Eckl. ft Zeyh. — Wlprs. Repert. I. 609. no. 6. — Bnth. 1. c. f — Piliis longis hirsuta: foliis linearilanceolatis acutissimis basi angustatis venosis, floralibus obovatis acutis flores »equantibus; calycis pilosuli laciniis 4 anguste lanceolatis acutis, tubo triplo longioribus, inflma oymbaeformi majore; vexillo pubescente calycem aequante carinam paulo superante; ovario villosulo 5—6-ovulato. — In Promontorio bonae spei.
3. A. VENOSA E. Meyer. — Bnth. 1. c. 595. f — Ramulis villosis; foliis obovato-lanceolatis mucronato-pungentibus rigidis villosis vel demum glabris, floralibus calyce brevioribus; calycis hirsuti laciniis 4 lanceolatis tubo aequilongis. inflma majore cymbaeformi; vexillo sericeo - villosa carinam villosam calycemque superante, alis carinam paulo brevioribus; ovario biovulato. — In Promontorio bonae spei.
4. A. POLYCEPHALA E. Meyer. — Wlprs. Repert. I. 610. no. 14. — Bnth. 1. c. f — Hirsuta: foliis ovatis obovatis oblongisve acutis recurvo-mucronatis, floralibus calyce subbrevioribus; calycis hirsuti laciniis 4 lanceolatis acutis, tubo subtriplo longioribus inflma obovato-cymbaeformi; vexillo villosa carinam aequante villosam superante, alis rainimis; ovario hirsuto biovulato. — In Promontorio bonae spei.

g. 2. Calycis laciniae subaequales. Flores capitati, rarius gemini.

5. A. ORBICULATA Bnth. I. c. 595. f — Ramulis lomentosis; foliis orbiculato-spathulatis crassis concavis. glabris; floribus capitatis; calycis villosi laciniis lanceolatis tubo subaequilongis; petalis pubescentibus, vexillo orbiculato carinam vix superante ovario pubescente 8-ovulato. — In Promontorio bonae spei.

*) Praeunte beato VOGEL iterum Uenimque moneo, In Leguminosarum CapenHiff determinatione, nomina Eckloniana uipote priora Meyerianis semper praeferenda esse; Propterea nomina Heyeriana, ubi cum Goklonianis concurrunt, aemper ad synonymum moveantur.

6. A. SECURIFOLIA Eckl. 6k Zeyh. — Wlprs. Repert. I. 610. no. 15. — Bnth. 1. c. 596. f —
 Raraulis tomentosus; foiiis obovatis orbiculalis auboblongisve crassis concavys, taterali-
 bus obliquis, utrinque acutis glabris ciliatisve; floribus capilatis; calycis glabri vel
 villosuli laciniis lanceolato-subulatis acutis, lubum vix aequantibus; petalis puberulis,
 vexillo late ovato carinam breviter superame; ovario 4-(rarius 5-)ovulato villosulo;
 legumine oblique ovato.
 p. *spalhulata* Wlprs. I.e. — Foiiis latioribus, calycibus majoribus villosulis. — A
 • *spathulata* Eckl. & Zeyh. — In Promontorio bonae spei.
7. A. LONFERTA Bnth. I. c. f - Ramis loraentosis; foiiis cuneato- vel subspathulato-
 oblongis obuisis vel mucronato-acutis, demum glabris nitidulis; floribus capitatis;
 bracteis setaceis; calycis vix villosuli laciniis lanceolato-subulatis acutis tubo longio-
 ribus; petalis puberulis; vexillo late ovato carinam breviter superante; ovario quadrio-
 vulato villosulo; legumine oblique ovato acuminate — In Promontorio bonae spei.
8. A. MYRTILLIFOLIA Bnth. 1. c. 597. f — Ramulis vix villosulis; foiiis brevibus obo-
 vatis mucronatis subplanis immarginatis glabris; floribus paucis subcapilatis; calycis
 glabri laciniis lanceolatis acutissimis lubo lato longioribus; petalis puberulis; ovario
 glabro biovulato. — In Promontorio bonae spei.
9. A. EXIGUA Eckl. fit Zeyh. — Wlprs. Repert. I. 615. no. 92. - Bnth. 1. c. f - Foiiis
 contents obovalis vel obovato-oblongis acutis vix mucronulatis curiaceis marginalis
 glabris, supra concavusculis, lateralibus obliquis; floribus paucis subcapitatis; calycis
 adpresso puberuli laciniis subulatis lubo subaequilongis; petalis sericeis; ovario villosulo
 biovulato. — In Promontorio bonae spei.
10. 'A. INOPS Eckl. & Zeyh. — Wlprs. 1. c. 616. no. 95.
11. A. CAPITELLA Burch. Cat. geogr. no. 7148. — Bnth. 1. c. + — Ramulis tenuibus pu-
 berulis; foiiis cuneato-oblongis acutis rigidis hirtellis; floribus subgeminis sessilibus;
 bracteis minimis; calycis hirsuti laciniis subulatis tubo subaequilongis; petalis sericeis;
 ovario puberulo biovulato; legumine oblique ovato.
 (}. *glabrescens*: (?) ramis tortuosis, foiiis plerisque fasciculatis. — In Promontorio
 bonae spei.
12. A. STENOPIHYLLA Eckl. a Zeyh. - Wlprs. Repert. I. till. ho. ft. - Bnth. I. c.
 598. f — Foiiis linearibus mucronatis, utrinque acutis incurvis carinato-concavis,
 demum glabralis rigidis; floribus capitatis; calycis villosi laciniis subulatis tubo sub-
 longioribus; petalis extus sericeo-pubescentibus; ovario villosulo biovulato. — A. *tana-
 Hculala* E. Mey. — In Promontorio bonae spei.
- 13 'A. ANGUSTISSIMA E. Mey. Commentar. I. p. 44.
14. A. STELLARIS Eckl. Be Zeyh. — Wlprs. Repert. I. 609. no. 7. — Bnth. I. c. T —
 Ramulis puberulis villosisve; foiiis oblongo-lanceolatis, lateralibus incurvis mucronatis
 vix pungentibus rigidis glabris vel laxe villosis; floribus capitatis; bracteis subulatis;
 calycis hirsutissimi laciniis subulatis tubo aequilongis; petalis villosis; ovario villosulo
 biovulato. — In Promontorio bonae spei.
15. A. PSORALEOIDES Bnth. 1. c. 598. f — Ramulis pubescentibus; foiiis spathulato-
 lanceolatis mucronatis puberulis, subtus convexis, lateralibus incurvis; floribus capi-
 tatis; bracteis obovato-rotundatis Iridentalis; calycis pubescentis laciniis obovato-sub-
 longioribus; ovario villosulo biovulato; corolla exclus sericea; ovario biovulato vil-
 losulo. — *Paraspalathus psoraleoides* Prsl. — Wlprs. Annal. I. 212. no. 2. — In Promon-
 torio* bonae spei.
16. *A. FUSCA Thnberg. Flor. Cap. p. 574.
17. *A. KRAUSSIANA Meisn. — Wlprs. Reperl. II. 837. no. 1.
18. A. ANTHYLLOIDES Linn. — Bnth. 1. c. 599. f — Ramulis villosis; foiiis oblongo-
 lanucolatis acutis, lateralibus obliquis hirsutis vel demum glabralis; floribus dense capi-
 tatis; bracteis lanceolato-subulatis; calycis villosi laciniis lanceolato-subulatis lubo
 longioribus; petalis sericeo-villosis; ovario villosulo biovulato; legumine oblique ovato
 calyce brevioris. — In Promontorio bonae spei.
19. A. LINKARIFOLIA DC. Prodr. II. 142. - Bnth. 1. c. 599. f — Ramulis molliter villosis;
 foiiis lanceolatisve, utrinque acutis; floribus capitatis; calycis molliter

villosi laciniis lanceolatis lubo plus duplo longioribus; veiillo pube9cenic carinain nrcuatam apice pubescentem vix superante; ovario villoso quadriovulato. — *A.linifolia* E. Mey. — In Promontorio bonac spei.

§. 3. Calycis lacinae subaequales. Inflorescentia laxior.

20. A. PLUKENETIANA Eck. ft Zeyb. — WIprs. Hepert. I. 609. no. 2. — Bniii. 1. c. 600. f — Ramulis canescenti-puberulis; foliis linearibus sublanceolatisve, lateralibus incurvis aculis glabris vel canescenti-puberulis; floribus breviter subraceraosis; calycis canescentis laciniis lanceolatis lubo subaequilongis; pcialis sericeis; ovario pubescento 4—5-ovulato; leguminc sericeo oblique ovalo - lanceolato turgido calyce subtriplo longiore. — In Promontorio bonae spei.

21. *A. HUGOSA Thnbg. Flor. Cap. 574. — DC. Prodr. II. 143. no. 72.

22! A. CYTISOIDES Lam. Diet. I. 392. — DC. Prodr. II. 143. no. 75. — Until. I. c. BOO ‡ — Ramulis villosis; foliis oblongo - lanceolatis, laleralibus recurvo-falcate inucronato-pungenlibus rigidis appresse villosis glabrativc; floribus subracemoso - capitalis; calycis villosi laciniis lanceolatis lubo sublongioribus; petalis villosis; ovario villoso quadriovulato; leguminc oblique oblongo calycem superante. — *A. cinerea* Thnbg. — WIprs. Hepert. I. 610. no. 12.

[§. *decumbens*: laxa, foliis majoribus. inflorescentia laxiore. — In Promonlori" honae spei.

Series JI. *SERICAE* Bnth. 1. c. 601.

Folia plana, saepius brevia, superiora terna, rarius solitaria, inferiors saepius vel rarius omnia gemmarum evolutione fasciculata, sericea vel molliter villosa. Flores sessiles vel subsessiles, **capital]** spicati vel solitarii, mediocres vel majusculi. Petala in omnibus villosa, longiusculu unguiculata. Legumen (ubi notum) oblique ovatum, acutum et calyce brevius vel rarius acuminatum calyce paulo longius, ex ovario villoso villosum vel sericeum.

JJ. 1. Callis sub foliis vix conspicuis nec aculeatis; floribus in capitulo vel spica terminali numerosis vel (in *A. villosa*) paucis. — *PoUjanthae*.

' Ovario biovulato.

23. A. VILLOSA Thnbg. Flor. Capens. 574. — Bnlh. J. c. p. 601. f — Foliis ternis subfasciculatisve parvis oblongis acutiusculis muticis sericeis; capitulis paucifloris; bracteis oblongo-linearibus; calycis sericei laciniis oblongis linearibusve tubo subaequilongis; legumine e basi obliqua ovato longe rostrato. — In Promontorio bonae spei.

24. A. SERICEA Berg. — DC. Prodr. II. 142. no. 64. — Bnlh. 1. c. f — Foliis dense fasciculatis brevibus anguste oblongis subcuneatisve obtusis vel vix acutis argenteo* sericeis; capitulis densis ovatis; calycis molliter villosi dentibus tubo multo brevioribus; petalis villosissimis subaequilongis; leg-urnine ovato longe rostrato villoso. — ^n Promontorio bonae spei.

25. A. LOTOIOES Thnbg. — DC. Prodr. II. 142. no. 62. — Bnlh. I. c. 602. f — F^{oUi}* ternis fasciculatisve parvis oblongis lanceolatisve acutis sericeo-puberulis glabrativ^ capitulis densis ovato-globosis; bracteis inferioribus slipitatis ovato-lanceolatis, ^{suD1,} mis subulatis; calycis villosi dentibus Innceoiato-subulatis tubo aequilongis; vexi*^o alisque carina dimidio longioribus. — In Promontorio bonae spei.

26. A. LEUCOCEPHALA E. 3ley. — WIprs. Repert. I. 609. no. 11. — Bnth. 1. c. t f Foliis aubternis fasciculatisve parvis oblongis acutiusculis subsericeo-villosis; cap*^o lulis densis globosis; bracteis slipitatis orbiculatis obovatis oblongisque: calycis viUo^o dentibus subulatis plumosis tubo aequilongis ec corohaM aequantibus. vexillo carinam^o vix superante. — In Promontorio bonae spei.

27. A. VIRGATA Thnbg. — DC. Prodr. II. 142. no. 60. — Bnlh. 1. c. p. 603. f — Foliis ternis fasciculatisve porvis oblongis linearibusve acutis sericeis; capitulis oblongis* dwnsis; bracteis orbiculatis vel ovatis; calycis villosi laciniis tubo aequilongis; petalis unlyce longioribus cnrina vix caeteris brevior; legumine ovato lurgido acuminato. — •1. *elongata* Eckl. ft Zeyh. — Wlprs. Repert. I. 609. no. 2. — A. *Scholliana* Prsl. (?) — Wlprs. Aqnal. J. VI3. no. 14.

(3.7 *globosa*: capitulis exncte globosù vñd eliam depressis. — A. *quinquefolia* Tiiunbg. (?) Flor. Cap. 575. — In Promontorio bonae spei.

28. A. JACODAEA E. Mey. — Wlprs. Rep'ert. I. 609. no. 3. — Bnlh. 1. c. p. 603. f — Foliis ternis fasciculisque angustis oblongis lanceolatisve acutis subsericeo-pilosis; spicis oblongis densis; bracteis lanceolatis substipitatis; calycis pilosissimi laciniis lanccolalo-suhulatis corolla brevioribus; vexillo alisque cnrina tricnto longioribus. — A. *sericca* Eckl. ft Zcyb. — In Promontorio bonae spei.

M. A. ADSCENDENS E. Mey. Comment. I. 41. — Bnth. 1. c. p. 604. f — Foliis fasciculatis ternisve oblongis oblusiusculis subsericeo-pubentibus; spicis demum elongatis dissitifloris; bracteis orbiculatis vel ovatis acutis; calycis villosi dentibus lanceolatis tubo brevioribus; vexillo carinam triente superante. — A. *virgata* Eckl. ft Zeyh. (nee Thnbg.) — A. *stricta* St'eud. — Wlprs. Report. I. 617. no. 115. — In Promontorio bonae spei.

* ' Ovario 4—8-ovulato.

W. A. PROCUMBENS E. Meyer. — Wlprs. Repert. I. 609. no. 5. — Bnth. I. c. p. 604. f — Foliis ternis subfasciculatisve hnearibus lanceolatisve acutis pilosis sericeisve; spicis laxiusculis vel demum elongatis dissitifloris; bracteis lanceolatis; calycis dentibus lanceolato-subulatis tubo subbrevioribus; vexillo carina triente longiore; ovario substipitato 6—8-ovulato. — A. *quinquefolia* Linn. — A. *anthyloides* Berg. — A. *heterophylla* Linn. III. — In Promontorio bonae spei.

11. A. STAGHYKRA Eckl. ft Zeyh. — Wlprs. Repert. I. 609. no. 4.

;)?. A. HETEROPHYLLA Thnbg. — Wlprs. Repert. I. 609. no. 1. — Bnth. I. n. p. 6Q5.f — Foliis solitnriis subternis fasciculatisque linearibus lanceolatisve acuiis subsericeo-pilosis; spicis laxiusculis oblongis elongatisve; bracteis lineari-lanceolatis; calycis molli-ter pilosi laciniis tubo subaequilongis; petalis subaequilongis; ovario 4—5-ovulato. — *Ononis spicala* Thnbg. — A. *linifolia* Steud. — Wlprs. Repert. I. 617. no. 114. — In Promontorio bonae spei.

§. 2. Cailli sub foliis prominentes, saepius in aculeum brevem integrum vel trifidum abeuntes, rarius in tota planta mutici. Flores sessiles solitarii vel in capitulo pauci. — *Argenteae*.

' Ovario 4—8'Ovulato, callo rarius mutico.

33. A. TRIDENTATA Linn. — Wlprs. Repert. I. 611. no. 27. — Bnth. 1. c. p. 606. f — Foliis ternis fasciculatisve brevibus lanceolatis oblongis sublinearibuave acuiis serioais glabrativse; callo sub foliis saepe aculeato; capitulis depresso-globosis; foliis involu- cramentibus bracteisve late lanceolatis acutis calyces subaequantibus; calycis villosis- simi laciniis lanceolatis aculissimi^ tubo subaequilongis; carina alis mullo brevior; ovario sub-6-ovulato. — A. *argentea* var. E. Meyer. — E- *pHosa* Eckl. ft Zeyh. — In Promontorio bonae spei.

34. A. ARGENTEA Linn. Spec. pi. 1002. — Bnth. 1. c. p. 607. f — Foliis ternis fascicu- laisve parvis obovatis oblongisve sericeis glabrativse; callo sub foliis aculeato; capi- tulus depresso-globosis paucifloris; foliis involu- cramentibus obovato-orbicularis calyce multo brevioribus; calycis villosissimi laciniis lanceolatis tubo brevioribus; carina alis paulo brevior; ovario 5—8-ovulato. — A. *argentea* a. E. Mey. — A. *staurantha* Eckl. ft Zeyh. — Wlprs. Repert. I. 616. no. 36.

P. *mutica*: callo sub foliis mutico, capululis laxioribus numerosi* fa*tigiato-pa- J'iculis, Ramuli breves rigidi. — In Promontorio bonae spei.

- 13 A FERRUGINEA links ras> ox Bnlb 1 t f — Rnmulis ngidu. «ubs»pinescentibus foliis fasciculatis ternisve oblongo- |t| cuneito-linearibus acutiusculis senceo-pube* centibus tallis aculeatis flonbus 1—3-nis cihcis villosi subinflati dentibus triangulanbus tubo multo l>ie\ioribu& ovario i—3-ovulato legumme oblique ovulo-hncco I, to — 1 *Induitnta* Lckl fl. /c\li — In Piomoniouo bon?e sj>ei
- % A PIRPURIA Ltkl & /tvh — Bnth 1 c p 608 f — Ramis ngidis loins fasciculiife subternisve subciuu <Lo - linearibus obtusiusculis dense senceis, callo brevissime itultalo vel mulico floribu* lateralibus cahcis villosi submflati dentibus ncummaiis lubo |i\ brevionbus ovario 4—5-ovulato legununc oblique ovalo-lanceolalo — 1 *puipnraicin** E Meyer — Wlprs Reoit I 611 no Zk — In Piomontono bonar spei
- 37 A DASYAMHA tckl ft Zeyh — Wlprs Repeil I 615 no 91 — Bnth I c f — Ramis Migads folns ttinis fasciculatisve obovniis vel cuneato-oblongi* bievibus piloso-hirtis vel demum glabratis cnllo aculeato flonbus subsolitams lateralibus, caljcis liirsutissinu subinllaii lacimis Ianccohti* lubo bievioubus ovario 4—5-ovulato tegu-niinc oblique ovato acuto — In Piomontono bonac spei

' *Oiano bxuvulato, callo rmiUco*

- 38 A AEMLLV F Me} — Ulprs Repeit I 611 no 25 — Bnth I t f — Ramis elongatis virgatis folns fasticulatis sublerms>e oblongis muticis aigenteo -spnceis callo lomontoso inulico flonbus sessilibus laleialibus 1—3-ms caljcis villosissimi Incinns lanceolate tubo MI bre>ionbus o\ano biovulato legumme lanccolalo acuminato MI-losissimo — 1 *urqenlca* bckJ 8c Ze\h

s^nes III SYVPETALAE Bnth 1. c pag 609

folia tdbticulata teielia tngona vel cannaia nee piano - dilatata floies sub^essiles, nunc in capitula termmalu confetti, nunc intia fasciculos foliorum laterales solitarn. Ungues cannae alarumque ea bievioium tubo stdimneo adnati. Leguraen oblique o\atum, cal^ce bievius vel paulo longius CalyCis lacimae saepe (nee tarn en in omnibus) foliaceo - dilatatae, nervos tres distincte ostendunt Vexillurn in omnibus cxtus pubescens vel villosum Cdnna intus glabia Alae glabrae canna molto breviorcs OAanum bio\ulatum glabrum |e| MIIQSUIP

S 1. Flores capitati.

- J9 A ACULEATA Thnbrg — DC Prodr II 138 no 2 — Bnih 1 (p 609 f — Folns dense fasciculatis, aculeo us subaequali suffullis linean-cannatis pilosis sumrais floralibusque apice hamato - mucronatis floribu^ capitalis calvcis villosi lacinus apice hamalis tubo subaeqmlongi* vexillo villo&o canna glabra — In Promontono bonac spei
- 10 A CHENOPODA Linn — Wlprs Repeit 1 612 no 36 — Bnth 1 c png 610 f — fiot Mag t 2223 — Lodd Dot Cabin t 316 — Folns fas< iculatis subtormsve subulaio- tngoius ngidis mucronato-pungenlibus floialibus plumoso-hirtis flonbus capitalis, cahcis lacinus subulatis ngidis pungentibu* tubo multo longionbus vexillo villoso canna glabn ovario glabro leguminp oblique ovato-falcato acuminato — In Pfomontono bonae spei
- 41 A ARANEOsa Linn — DC Prodr II 141 no 48 — Wlprs Repert I 612 no 27 — Bnih 1 c p 610 f — Bot Mag t 829 — Pilis longis hirsuta folns fasciculatis filiformibus fleiuosis mucronulatis flonbus capitalis cahcis larinns e basi lanceolata subulatis plumoso-hirtis tubo mulio longionbus vexillo villoso canna glabra ovario villoao, legumme oblique ovioo-subrhombeo falcato - acuminato — 1 *Simstana* Eckl a Zeyh — A *pilosa* Sieb — In Piomontono bonae spei
- 42 A CILIARIS Linn — Wlprs Repert I 612 DO 39 — Bnth 1 c p 611 f ~ Folns dense fasciculatis snbulatis vel linear!-tngonis, flonbus terminalibus capitatis vel hinc

inde solitariis; calycis hispidi laciniis anpustejine.qri - lanceplatis pos^ajis subtrinerviis tubo multo longioribus; vexillo villosb; carina glabra vel villosa; ovario hirsutissim*. — *A. appendiculata* E. Mey. — Wlprs. Repert. Y. 614. no. 69. — *A. diibia* E. Mey. — Wlprs. I. c. 617. no. 107. — *A. Meyeriana* Eckl. ft Zeyh. — Wlprs. I. c. 612. no. 49. — *A. papillosa* Eckl. fee Zeyh. — Wlprs. I. c. 612. no. 40. — In Promontorio bonne spei. li. *A. ORESIGENA Eckl.* ft Zeyh. — Wlprs. 1. c. 612. no. 36. U. "A. AULONOGENA Eckl. ft Zeyh. — Wlprs. 1, c. 611. no. 29.

§. 2. Flores laterales vel ad apices ramuorum solitarii \el gemiiii.

l) A. CQMOSA Thnbrg. — DC. Prodr. II. 141. no. 49. — Bmh. 1. c. p. 612. f — ^{Ramis} hirsutisj foliis fasciculatis lineari-carinatis sub,ulalisve mucronulatis hispidis; floribus ad apices ramuorum brevissimorum solitariis sessilibus; calycis turbinati hispidi laciniis lanceolatis trinerviibus tubo duplo longioribus vexillo villosa multo brevioribus; carina glabra; legumine oblique ovato acuminaiq. — *A. macrosepaw* Steud.? — ID Promontories bonae spei.

M) A. EL'ON'GAT A E. Mey. — Dnih. 1. c. p. 612.) — Foliis linenri-trigonis fasciculatis mucronatis gjabria yillosulisve; floribus intra fascicylos laterales haud evolutos sessilibus solitariis; calycis laciniis ucutis (trinerviibus tubo villdsq su^duplp lojjigioribqs, vexillo villosa paulo brevioribus; carina glabra; ovario villosa.— *A. Vregcana* Walp. — Wlprs. Repert. I. 611. no. 3Q.

a. *virgata*: ran\is elonpatis. virgatis, floribus (circa 5 Un. longis) in spicam folio-&anj secus ramps dispositis, raro saepe excreſcente npice sterili,

p. *ramosis8ima*: CQUIQ ramoſiore. ramis brevibus, florib\is circa 4 line^ longis paucis lateralibus. — In Promontorio bonae spei.

17. A. NERVOSA E. Mey. — Bnth. I. c. p. 613. f — Ramis toiqentellis; foliis fasciculatis lineari-carinatis mucronatis puberulis subcancſcentibusque; calycis turbinati lomentosi laciniis lanceolatis trinerviibus tubo' subaequilongis vexillo villosa multo brevioribus; carina glabra; ovario villosa. — *A. remold* Eckl. ft ZPJII. — Wlprs. Report. 1. 614. no. 78. — In Promontorio bonae spei.

is. A. UNFLORA Linn. Spec. pi. 1001. - DC. Prodr. II. 140. no. 29. — Bnth. 1. c.f— Foliis brevibus fasciculatis liueari-terelibus glabns hiriellisve; iloribus subsessilibus solitariis geminisve; calycis laciniis foliaceU o\alo-c\mbacformibus tubo villosulo aequilongis; vexillo villosa; carina glabra; legumine pubescente oblique rhombeo calycem vix superante. — *A. cymbaeformis* DC. Prodr. II. 140. no. 28. — *A. erievfolia* Berg. — .1. *scaphoides* Eckl. ft Zeyh. — Wlprs. I.'c. 613. no. 55.

4». 'A. PROSTRATA Eckl. ft Zeyh. — Wlprs. I c. 613. no. 56,

Series IV. LEPTANTHAE Bnth. 1. c. p. 614.

Folia fasciculata teretia vel Jtrigona. Flores subsessiles, nunc in capituJa vel spicas terminalia conferti, nunc intra fasciculos foliorum '^terales solitarii. Carina alarumque unguis a tubo stamineo et inter •se liberi (etsi carina nonnumquam versus medium alis adriaereat). Ova- lium 2—4-ovulatum villosum. Legumen oblique ovatum vel sub- rhombeum acutum, calyce brevius vel vix longius. — Stirpes vulgo mol- •iter villosae. Folia eficoklea. Flores in genere mediodres vel parvi. Calycis lacinae angustae vel rarius abbreviatae et latac. Vexillum °vato-oblongum, rarius late ovatum nee orbiculatum. Carina recta vel Parum incurva. Legumen multo magisr compressum quam in *Latera- libus*, et forma nonnisi illi *A. frankenioidis* approximate, Imic vero calyces et corollae omnino *Lateralium*.

*) >'omen mcum Meyoriano longe praeforendum erit.

§ 1 Flonbus spicatis \cl capitatis

- 50 A MGRA Linn - DC Piodr II. 140 no 26 — Wlprs Repert I G12 no. 47 — Bnth 1 c f — Folns hsculatis brevibus subulatis muticis glabns vel vix puberulis flonlms spitdli^ capmtis\e calms villosi dtntibus lite ovatis lanceolatisve tubo brc\ionbus petilis MIOSIS \exillo o\ato ahsquo cDinam supeiantibus ovano quadnovulato le,umine oblique rhombco cahcem breviter superanto — A mgrescensE Me\ — | meiamndpi Fckl ft /ejb — A pallpn* et A deciduifoha Eckl & Zeyh — A globv-i losa 1 Mt\ — In Promontono bonae spei
- 51 A IHIWIFI ORA Berg — Wlprs Repert I 613 no 59 — Bnth 1 c 615 f — Fo-Ins fasciculdtis subulatis muticis glabn* hntisve flonbub in spicam paucifloram dp-liximitis cnhcis pubescentis dentibus ovitis lanceohtisve tubo bievioriDÜs pettilis I uhoscntibuM canna TIIS brevior ovano biovulato leguminc oblique o\ato acuto idh(eni bre\it(i supemite — In Piomontono bonae spei
- V \ CFPHALOTFS Thnbig — DC Prodr II 141 no 50 — Bnth I cit p 615 + — Fi Ins fiscKuhtis brcvibus obtusis (nssiirsculis glabns puberulisve fIONbus cipitatis cihtib \illosi lacinus lanceolate tubo paulo longionbus vexillo ovali-oblongo villosulo canna glabra -|e\ pubcrula.longiore ovano biovulato — In Promontono bonae spei
- >3 *| CI RRHAMHA Eckl & 7cyh — ^lprs Repert 1 612 no 42
- "Si A SPICATA Tbnbrg — DC Prodr II 139 no 14 — Bnth 1 cit p 615 f — Folns fnscluihtis subulatis \ir mucionatis piloso-hirtis\gldbnlis\e flonbub spicatis subcapitatisve ciKcis biisulissimi Ijcinn hnceohio - subulatis tubo sublongionbus petals pubescenlibus vexillo ovito cannam miponmtr ovano bio\ulato legumine obliqu*)\ no ituto caljce bio\ioie — In Promontono bonae spei

§ 2 Flonbus latnahhusi \el mttiriipite spicatis

- 55 A ERICIFOLIA I mn — DC Prodr II 139 no 17 — Wlpi? Ropert I 613 no 61 — Bnth 1 cit p 616 f — Folns fasciculatis brevibus mutiris ullosis glaluatise lloialibus olyris tubum non >cl ||| supeiantibus flonbus hteialibus versus apices iimulorum interrupte spiciti-<\$ tahcis MIOSI hciniis lineari - subulatis muticis tubo iluplo longionbus vexillo cunto-oblongo oiiimque nhs glabns breuore MIOSIS ovano 1 lovulalo liguimno oblique ovito teuto MIOSO ralycem subitqmntp — A encoide¹* I Mev — A muUifloia Thunbig — A lanans Pckl 8t Zq\h — Wlprs Repert I bl\ no 83 — In Piomontono borne <pei
- V MOI I IS I tm — Wlpis Repeit I 615 no 85 — Bnth 1 cit p 617 f — Undi-(tio molliici pilo>o - hula folns fisnculatis subulatis vix mucronatis piloso - hirtis llonhbus rtlvcis tubum multo supeiantibus flonbus lateralibus subscssihbus solitarij laljcis pilosi hemus subuhtis tubo duplo longionbus vexillo ovato-oblongo cannaque ihs glabnj* 7oquanto MIOMS o\ino biovulato — A muraltwides Eckl & /eyb — 1 fluuow Timing
- (J mcutata cinnt mi)0ic anuata glaberrinu caetnis. omnibus A molhs — In Promontono home spei
- ut V THYMIFOLIV I mn — DP Prodi II 139 no 1b — Wlprs Report I 613 no 60 — Bnth 1 cit p 617 f — Folns fiscicuhtis paivis Mibulat/s siibmuticis hirsutis ^Kibritisve flonbus solitirns subscsilibus lateralibus calvcis pubescentis lacinus subuhtis tubo non A el paulo longionbu* \e\illo pubestente ilis canna puberula gla-brave brcMonbus o\ano bio\ulato legumuip oblique ovato acuto puberulo calvrem superante — A hispida Eckl 8c Ze\h — 4 franiimoidc* Lckl a /e\h — 4 m<-ftflora Sicb — A kannaums Eckl a 7e\h
- Ĥ tenuifolia folns longionbus tenuibus — | molln (3. fleiuosa F Mev
- Y micrantha flonbus minonbus ciljus dentibus bievionbus — A nucrocarpa
- D< 1 nuaantha E Mev
- o. albiflora glabnoi, folns biewbus, flonbus panis albis — A mtIUflora
- E Mey - A albiflota Eckl fit Zeyh - In Promontono bonae spei
- W A CANDIF^NS \,t - m P10dr n 142 no 5? — Bnth ! cit p 818 f — Folns

- fasciculatis subulato-teretibus mutms albo-acnccis flonbus lateralibus 1—3-nis ad apices ramulorum approximatis caUcis sericei deniibus brevissimis, petalis glabriu?culis, alis caetens bievionbus legumine ovato-compresso senceo-viUoso calyceiu paulo superante — In PrOmontono bonae spei
- 59 A INCURVA Thnrg — DC 1 c 140 no 25. — Bnlh 1 cit p 619 f — Foln<> fasciculatis tenui^simis acutis glabns hiitellisve flonbus lateralibus solitaius sessilibus calycib puberuli lacinns setaceis tubo longionbus, ve\illo birtello vel senceo alis glabns carinam subglabram longe superantibus ovano biovulato — In Promontono bonae spei
- 60 *A DIFFUSA Lckl ft Zeyh — Wlprs Repeit I 613 no 64
- 61 A ASPARAGOIDES Lmn — DC I c 139 no 23 — Bnlh 1 ut f — Folns fasuculatis tenuibus incurv* cihato-hispnlis» t flonbus lateralihub sebsilibus soli tarn *> i iljcis luspidi lacinns subulatis tubo plus duplo longionbus corollam subaequantibus \exillo pubescento carinam glabiam superante, alis subbrevionbus, ovano biovulato legumine oblique o\ato aculo pubescente, lacinns caljcinis brevioie — A alpina Etkl & Zeyh — Wlprs Reperit I 613 no 58* — A flexuosa Thnrg — In Promontono honae spei
- »2 A RUBROFUSCA Lckl ft Zeyh — Wlprs 1 c 616 no* 98. — Bnth 1 c f - Folns fasciculalis subulalo-tngonis incurvis ngidulis mucronalid lursulis flonbus lateralibus sessilibus solitaius, calycis hirsuti lacinns subulatis ngidis tubo plus duplo longioubus corollam aequantibus, vexillo cannaque villosis subaequahbus alas glabras superantibus, ovano biovulato, legumino valde obhquo ovato acuto viUoso calyce breviori — la Promoatono bonae spei

Series V. *LATERALES* Bnth.* 1. c p. 620.

Folia fasciculata, teretia vel tngona Flores sessiles laterales. Legumen ex ovano 2-(rassime 3—4-)<milato \illosum exsertum, oblique ovatum -vel lanceolatum. vulgo turgidum, matuntale honzon-tahter patens vel reflexum

§ 1. Tohis junipennis ngidis patentibus mucronato-pungentibua raro muticis semipollicem raro excedentibus

- 63 A TERLS Eckl tt Zeyh — Wlprs Reperit I 614 no. 74 — Bnlh. I c + — Folns fasciculatis teietibus subulatis ngidis mucronato-pungenlibus, demum glabratiss, florb-ut> solliarus calycis late campanulati villosi tiuncati lacinns lmean-subulatis mucronato-pungentibus tubo longionbus, \exillo \illoso carinam pubescentem vix aequante ovano quadnovulato. legumine oblique ovato-lanceolato falcato-acuminato tuigido senceo-villoso — In Promontono bonae spei
- h4 A. VILINERAISS Thnrg — DC Prodr II. 141 no 40 — Bnth 1 cit p 621 — Folns fa*ciculatis subulate ngidis mucronalo• pungentibus hirtellis vel demum glabratiss, flonbus bolitams caçcis late campanulati villosi lacinns setaceo-pungenlibus distantibus tubo vix aequilongis, vexillo villosio carinam glabram supeiante. ovano (3-) ovulato, legumine oblique o\ato-lanceoldto luigido villosissimo — A hirla E M<j — Wlprs Reperit I 616 no 103 — In Promonlono bonae spei
- ** A HYSTRIX Thnrg — DC 1 c 139 no 13 — Bnth 1 cit p 621 f — Folns fusuculais subulatis teretibus ngidis mucronato-pungentibus wcano-tomenlosis, flonbus solitams folia subaequantibus, caçcis late camponulati molhter tomentosi deniibus basi dilaiatis bieviter setaceo-subpungentibus tubo subbrevionbus, vexillo densp tomentoso carinam glabram superante, ovano biovulftto, legumine oblique lanceolato dense villosio-lanato — In Promonlono bonae spei
- wj ^ RIGESCENS E Mç\ — Wlprs Reperit I bll no 73 — Bnth I ut p 622 f - * olns fasciculatis tereiibus subulatis ngidis mucronato-pungenlibus hirtelh&, flonbus. s°litarns, caljcis late campanulaii pubescentis lacinns lmean-lanceolatis mucronatis 'ubo longionbus corollam subaequantibus. vexillo villosio carinam pubescentem supe*

ranic; ovario biovulaio; leguniine oblique lanceolato approsse villosa. — In Promontorio bonae spei.

67. A. ECHINATA E. Mey. — Bntb. I. cit. p. 622. + - Foliis fasciculatis teretibus dubulalibus rigidulis mucronatis hirtis; floribus solitariis; calycis late campanulati villosi laciniis lanceolato-seiaceis subpungentibus tubo stibaequilongis; vexillo villosa carinam villosam stipernnte; ovario biovulato; legumine oblique lanceolato pills appressis brevibus villosa. — A. *coir u da e folia* DC. Prodr. II. 139. no. 24. (n6c Berg.) — In Promontorio bonae spei.

§. 2. Foliis \i\ pungentibus, seittipollice longioribus, ovario in Omnibus biovulalo.

68. A. ACANTHES Ecfel. 8t Zeyh. — Wlprs. Repert. I. 612. no. 49. — Bnth. 1. cit. p. 623. f — Ramis hinis; foliis dense fasciculatis longiuscule lineariteretibus mucronatis rigidulis glabris vel hirtellis; floribus solitariis; calycis late campanulati villosi dentibus lanceolato-subulalibus crassis mucronatis tubo suo longioribus; vexillo subsessili orbiculato villosa carinata glabram longe superante; legumine crasso villosissimo. — In Promontorio bonae spei.
69. A. BURMIELLANA BtJlfl. cit. p. 633. f — Foliis fasciculatis longiuscule teretibus vix mucronatis carnosulis glabris; floribus subsolitariis quam folia brevioribus; calycis late campanulati villosi dentibus tubo multo brevioribus; vexillo villosa carinam tomentosam breviter superante; legumine crasso turgido villosa. — In Promontorio bonae spei.
70. A. GLOMERATA Bnth. I. cit. p. 623. f — Foliis fasciculatis longiuscule subulatis mucronato-pungentibus rigidulis sericeo-tomentosis; floribus lateralibus glomerato-subracemosis quam folia multo brevioribus; calycis late campanulati tomentosi truncati dentibus setaccis tubo multo brevioribus; vexillo late ovato villosa carinam glabram vix superante; legumine oblique ovato-lanceolato villosissimo. — In Promontorio bonae spei.
71. A. LONGIFOLIA Bnth. 1. cit. p. 624. f — Foliis dense fasciculatis longiuscule subulatis subincurvis mucronulatis albo-sericis; floribus solitariis glomeratisve folio multo brevioribus; calycis late campanulati molliter villosi dentibus brevissimis acutis; vexillo late orbiculato longe unguiculato villosa carinam glabram superante; legumine oblique ovato-lanceolato villosissimo. — In Promontorio bonae spei.
72. A. ERIOPHYLLA Wlprs. Repert. I. 614. no. 76. — Bnth. 1. cit. p. 624. f — Foliis dense fasciculatis longiuscule subulatis incurvis mucronatis sericeo-sericis; floribus solitariis glomeratisve; calycis sericeo-villosissimo laciniis duobus acuminatis tubo paulo brevioribus; vexillo obovato villosa in linguam brevem contracto carinam glabram superante; legumine oblique ovato-lanceolato turgido molliter villosissimo. — In Promontorio bonae spei.

§. 3. Foliis non pungentibus, raro 4 lineas excedentibus.

73. A. LARICIFOLIA Linn. — DC. Prodr. II. 138. no. 5. — Bnth. I. cit. p. 624. - Foliis fasciculatis subulatis mucronatis glabriusculis; floribus solitariis lateralibus; calycis late campanulati villosi dentibus subulato-acuminatis tubo suo brevioribus; vexillo pubescente carinam glabram superante; legumine oblique lanceolato acutiusculo turgido villosissimo. — A. *laricina* DC. I. c. 141. no. 44. — A. *genistoides* Eckl. fit Zeyh. — In Promontorio bonae spei.
71. A. SERICANTHA E. Meyer. — Wlprs. Repert. I. 616. no. 100. — Bnth. I. cit. p. 623. f — Foliis fasciculatis subulatis mucronatis glabriusculis; floribus solitariis lateralibus; calycis late campanulati villosi dentibus subulato-acuminatis tubo subaequilongis; vexillo villosa carinam villosam superante; legumine oblique lanceolato acuto turgido villosissimo. — In Promontorio bonae spei.
75. A. CANESCENS Linn. — Wlprs. Repert. I. 614. no. 75. - Bnth. 1. cit. p. 625. f — Foliis fasciculatis subulatis acutiusculis canescentibus sericisve, floribus solitariis

Jateralibus; calycis villosi dentibus *Who* suo brevioribus; vexillo pubescente earinam glabrani superante; legumine oblique lanceolato turgido villosissimo. — *A. neanthes* et *A. Jaubertiana* Eckl. 8c Zeyh. — *A. thynifolia* Lam.

- p.? *Bowieana*: major, foliis longioribus (4—5-lin.), calycis dentibus brevioribus; floribus majoribus; legumine acutiore 7 lin. longo. — In Promontorio bonae spei.
76. 'A. CINERASCENS E. Meyer. — Wlprs. Repert. I. 615. no. 81.
77. *A. HILARIS Eckl. ft Zeyh. — Wlprs. Repert. I. 615. no. 53.
78. *A. HIATUUM Eckl. ft Zeyh. — Wlprs. Repert. I. 615. no. 83.
79. A. CHORTOPHILA Eckl. ft Zeyh. — Bnth. 1. cit. p. 626. f — Foliis fasciculatis brevibus obtusis vel acutiusculis cano-tomentosis puberulis vel demum glabratis rigidivillis; floribus solitariis. folia longe excedentibus; calycis late campanulati villosi-tomentosi dentibus subulatis distantibus tubo brevioribus; vexillo villosa earinam villosam breviter superante; legumine oblique ovato-lanceolato turgido villosi. — *A. frankenioides* E. Mey. — *A. corrudaefolia* Berg.? — In Promontorio bonae spei.
80. A. INTERMEDIA Eckl. ft Zeyh. — Wlprs. Repert. I. 615. no. 8*. (excl. spn.?) — Bnth. L cit. p. 626. f — Foliis fasciculatis minimis obtusis Jirteljis; floribus solitariis; calycis campanulati tomentosi dentibus subulatis tubo brevioribus; vexillo pubescenti carinam puberulam superante. — Forte *A. chortophilae* varietas, foliis floribusque minoribus. — In Promontorio bonae spei.
- W. A. FRAJKKENIOIDES DC. Prodr. II. 139. no. 18. — Bnth. 1. cit. p. 627. + — Foliis fasciculatis brevibus acutis vel obtusiusculis muticis canescentibus - tomentosis; floribus solitariis; calycis campanulati pubescentis dentibus subulatis paulo brevioribus; vexillo pubescente carinam glabram vix superante; legumine oblique falcato - ovato nullo calyce vix superante adpresse villosulo. — *A. Albanensis* Eckl. ft Zeyh. — Wlprs. Repert. I. 615. no. 82. — In Promontorio bonae spei.
82. A. POLIOTES Eckl. ft Zeyh. — Wlprs. Repert. I. 614. no. 80. — Bnth. 1. c. pag. 627. +* — Foliis fasciculatis brevibus muticis lomentosis subvirescentibus; floribus solitariis; calycis lomentoso-villosi campanulati dentibus acuminatis muticis tubo subbrevioribus; vexillo villosa earinam glabram vel adpresse pubescentem breviter superante; legumine ovato-lanceolato adpresse villosulo. — *A. leptothria* Eckl. & Zeyh. — *A. tomentosa* E. Mey. — In Promontorio bonae spei.

§. 4. Foliis densis tenuibus vulgo setaceis incurvis, ovario biovulato.

- ^3. A. GILLII Benth. L e t — Foliis fasciculatis incurvis subulatis acutis hirsutis; floribus solitariis; calycis villosi laciniis anguste laecejatis tubo longioribus; vexillo villosa earinam villosam superante; legumine oblique lanceolato turgido dense villosulo. — In Promontorio bonae spei.
- ** A. SETACEA Eckl. ft Zeyh. - Wlprs. Repert. I. 614. no. 72. — Bnth. I. cit. 628. t — Ramulis villosis dense foliatis; foliis fasciculatis setaceis mucronatis canescentibus - villosis; floribus solitariis; calycis villosi campanulati dentibus lanceolato-subulatis mucronatis tubo subduplo longioribus; vexillo villosa earinam villosam superante; legumine ovato-lanceolato turgido villosulo calyce longiore. — *A. flucurooides* E. Mey. — Wlprs. Repert. I. 617. no. iii. * — In Promontorio bonae spei.
- * A. ARACHNOIDEA Wlpr*. tinnapa XUI. 497.
- ** A. ALOPECURUS Burch. Cat. geogr. no. 5561. — Benth. h cit. P. #&- t — Ramulis Janato-villosissimis dense foliatis; foliis fasciculatis setaceis mucronatis hirsutis; calycis molliter villosi laciniis setaceis tubo brevioribus vel subduplo longioribus; vexillo mutico carinae villosis; legumine ovato-lanceolato turgido villosissimo calyce multo longiore. — In Promontorio bonae spei.
- b? A. INCURVIFOLIA Vogel. — Wlprs. Repert. I. 614, no. 71. — Bnth. 1. cit. p. 628. t — Rami dense foliatis; foliis fasciculatis incurvis setaceis mucronatis glabris vel breviter villosis; floribus solitariis; calyce villosulo campanulati breviter superante; legumine obliqua ovato-lanceolato turgido villosissimo calyce multo longiore. — In Promontorio bonae spei.

§. 5. Foliorum fasciculis spinam fovenlibus.

88. A. CHAMISSONIS Vogel. - Wlprs. Repert. I. 615. no. 88. — Bnth. 1. cit. p. 629. f — Ramulis gemmive spinescentibus; foliis dense fasciculatis muticis incano-sericeis; floribus solitariis; calycis molliter villosuli late campanulati dentibus subulatis tubo vix aequilungis; petalis glabris; ovario biovulato; legumine oblique ovato-lanceolato crasso molliter pubescente. — In Promontorio bonae spei.
89. 'A. ACANTHOPHYLLA Eckl. ft Zeyh. — Wlprs. Repert. I. 617. no. 112.

Series VI. MACROCARPA Bnlh. 1. c. 629.

Folia fasciculata (vel interdum terna?). Legumen ex ovario multiovulato lineari-lanceolatum. — Species tres ovario et legumine ab omnibus distinctae et *Lebeckiis* approximatae, duo priores habitu *Grandifloris* sirnillimae, tertia foliis planis, ignota.

90. A. FILICAULIS Eckl. & Zeyh. — Wlprs. Repert. I. 611. no.34. — Bnth. 1. cit. p. 629. f — Glabra vel pilosula: ramis tenuibus virgatis: callo sub foliis mulico vel vix mucronio; foliis fasciculatis paucis subulatis; floribus solitariis breviter pedicellatis; calycis pilosuli dentibus subulatis tubo langioribus; vexillo villosulo carinam valde arcuatam glabram vix aquante; legumine adpresse puberulo. — In Promontorio bonae spei.
91. A. MACROCARPA Eckl. ft Zeyh. — Bnth. 1. cit. p. 630. f — Glabriuscula: ramis rigidis virgatis; callo sub foliis breviter actileato vel inermi; foliis dense fasciculatis subulatis subglabris; floribus solitariis breviter pedunculatis; calycis pi^{beruli} dentibus tubo vix brevioribus; legumine elongato-lanceolato adpresse puberulo. — In Promontorio bonae spei.
92. 'A. GARIPENSIS E. Mey. — Wlprs. Repert. I. 615. no. 90. — Bnth. 1. cit. p. 630. f

Series VII. GRANDIFLORAE Bnth. 1. c. 630.

Folia fasciculata teretia vel trigona. Flores laterales vel subterminales solitarii vel gemini. Legumen ex ovario pluriovulato crassum late lanceolatum. Flores majusculi, carina valde arcuata "saepe rostrata. Ovula vulgo 6 vel 7. — *Streptosema* et *Plagiosigma* Prsl.

93. A. WILLDENOWIANA Bnth. 1. cit. p. 630. f — Ramulis rigidis; callo sub foliis inermi vel vix aculeato; foliis filiformibus subglabris; floribus solitariis paucisve brevissime pedicellatis; calycis villosi late et oblique campanulati dentibus subulato-acuminatis tubo subaequilungis; vexillo villosulo; carina glabra arcuato-rostrata; stigmatibus vix obliquo; legumine oblique lanceolato villosissimo. — *A. verrucosa* Wjlld. — *A. Ihjstrix* Eckl. ft Zey. — In Promontorio bonae spei.
94. A. LETOPUYLLA Eckl. ft Zeyh. — Wlprs. Repert. I. 615. no. 89. — Bnth. I. cit. p. 631. f — Ramulis rigidis subspinescentibus; callo sub foliis aculeato vel rarius submutico; foliis filiformibus mucronulatis glabriusculis; floribus solitariis geminisve brevissime pedicellatis calycis pubescentis late campanulati laciniis lanceolato-subulatis tubo aequilungis; vexillo villosulo; carina glabra arcuato-rostrata: stigmatibus valde obliquo; legumine oblique lanceolato villosulo. — *A. laricifolia* Lam. (nee Berg.)— *A. verrucosa* lit. b. et. c. E. Mey. — In Promontorio bonae spei.
95. A. ROSTRATA Bnth. 1. cit. p. 631. f — Ramulis virgatis; foliis dense fasciculatis subulatis hucronulatis subglabris; floribus versus apices ramulorum lateralibus vel inermibus paucis sessilibus; bracteis simplicibus; calycis late campanulati villosi dentibus latis subulato-acuminatis tubo subbrevioribus; vexillo villosulo; carina arcuato-subrostrata glabra; stigmata valde obliquo; legumine oblique lanceolato-falcato acuto villosulo. — in Promontorio bonae spei.
96. A. PINEA Thunberg. - DC. Prodr. II. 144. no. 41. — Bnlh. 1. cit. pag. 631. f - B^{fl} mulis virgatis; foliis dense fasciculatis subulatis mucronulatis subglabris; floribus versus apices ramulorum lateralibus vel terminalibus paucis sessilibus; bracteis simplicibus; calycis late campanulati villosi dentibus latis subulato-acuminatis

- subbieviobus; vexillo villosa; carioa arcuato - subrostrata glabra; sligmale valde obliquo; leguminc oblique lanccolato-falcato acuto villosa. — In Promontorio boae spei.
- ↳7. A. GRANDIFLORA Bnth. 1. cit. p. 632. f — Foliis fasciculatis lineari-trigonis acutis pilosis glabralisvc nilidis; floribus solitariis paucisvo subsessilibus; bracteolis trifoliolalis; calycis villosi laciniis late lanceolatis lubo sublongioribus; vexillo villosa; carina arcuato-subrostrata glabra; sligmale valde obliquo. — In Promontorio bonae spei.
- ↳8. A. GALEATA E. Mey. — Wlprs. Repert. I. 611. no. 32. — Bnlh. 1. cit. p. 632. f — Foliis fasciculatis brevibus lineari-carinatis acutis demum glabralis nilidis; floribus versus apices ramulorum paucis breviter pedunculatis; bracteolis irifoliolalis; calycis parce pilosi laciniis sultulatis acuminato-pungentibus tubo longioribus; vexillo villosissimo; carina glabra arcuato-subrostrata; stigmale recto; legumine oblique lanccolato-falcato villosa. — In Promontorio bonae spei.

Series VIII. *PACHYCARPAE* Bnth. 1. c. 632.

Folia fasciculata, teretia trigona vel lineari-carinata. Flores lerninales subcapitati magni. Legumen ex ovario pluriovulato crassum oblique lato-lanceolatum vel ovato-rhombeum villosum. — Hanc seriem « *Grandifloris* inflorescentia nee non legumine vulgo brevior distinxit atictor, forle cum iis in unam jnnghenda erit. — *Pachyraphea* Prsl.

- M. A. DENSIFOLIA Bnth. I. cit. p. 632. f — Ramis virgatis; foliis densissime fasciculatis subulalis mucronulatis glabriusculis; floribus 2—4-natis capitalis; calycis laxo villosi laciniis lanccolatis acutis lubo brevioribus; vexillo villosa carinam incurvam oblusam glabram superanto; ovario 6-ovulato; legumine oblique ovato-rhombeo acuminato crasso villosa. — In Promontorio bonae spei.
- J00. A. TRIQUETRA Thbig. — DC. Prodr. II. 141. no. 51. — Bnlh. 1. cit. p. 633. f — Foliis dense fasciculatis brevibus incurvis acutis carinato-triquetris glabris pilosisvc; lloibus 2—4-natis oapilatis; calycis villosi campanulati laciniis triangularibus acutiusculis lubo subacquilongis; vexillo pubescente carinam arcuato-subrostratam glabram aequantc; ovario 4-ovulato; legumine oblique rhombeo crasso hirsute — In Promontorio bonae spei.
- ↳9. A. PROPINQUA E. Meyer. — Bnth. 1. cil. p. 633. f — Foliis fasciculatis parvis trigonis obtusis cano-tomentellis; floribus terminalibus subcapitatis paucis; calycis inoliter villosi laciniis subtriangularibus tubo paulo brevioribus; vexillo pubescente carinam arcuato-rostratam glabram aequante; ovario 6-ovulato; legumine oblique ovato acuto sericeo-villosa. — In Promontorio bonae spei.

Series IX. *CARNOSAE* Bnth. 1. c. 633.

... Folia fasciculata (rarius teretia) teretia vel trigona vulgo carnosae. Mores (mediocres vel majusculi) sessiles vel breviter pedicellati. Calyx subcarnosus. Petala saepius glabra. Legumen glabrum, oblique lanceolatum vel **subrhombeum, acutum, saepius exsertum.** Inflorescentia, varia. **Petala emarcida circa fructum saepe persistunt.** Ovarium glabrum vel Poslice ciliatum. — Series imprimis glabritie et habitu magis minusve carnosae distinguitur. Flores multo majores quam in *Pinguibus*, quibus ficedunt glabritie et interdum legumine, hoc vulgo brevius est et ⁱⁿ ultimis speciebus rhombeum et crassum fere *Pachycarpum* sed Slabrum.

S- 1. Floribus spicatis vel capitatis; foliis submuticis. Nonnullae *Vephalanthis* ultimis subafibes.

- ¹⁰²↳ A. CALLOSA Linn. — DC. Prodr. II. 143. no. 70. — Wlprs. Repert. I. 612. no. 46. — Buih. 1. cit. pag. 634. f — Bot. Mag. tab. 2329. — Glaberrima: foliis lernis linearibus mucronato-acnulis obtusisvc; floribus spicatis; calycis laciniis ovatis lanceolatisvc

aoofis tiibo subaequilongis; ovarlo 4—5-ovulato glabro vel vix canescente; legumine oblique laficcolato calyoe sabduplo longiore. — *A. Simsiana* Eckl. & Zeyh. (nec alicrr.) — *Sarcophyllum carnosum* Sieb.

(5. *brevifolia*: foliis 1—2 lin. longis, flonbus roinoribus paucioribus. — *A. lylodes* Eckl. fl: Zoyh. — In Promonlorio bonae spei.

NKI 'A. ERYTHRODES Eckl. tt Zeyh. — Wlprs. Repert. I. 612. no. 43. y.

t04. A. VARIEGATA Eckl. ft Zeyh. — Wlprs. Repert. I. 612. no. 44. — Bnth. 1. cit. pag. 634. f — Foliis fasciculatis tentibus brevibus carnosulis muticis glabris; floribus laxe et breviter racemosis subcapitatisve; calycis campanula! minote pnberuli carnosuli dentibus acuminatis iubo brovioribus; vexillo viz puberulo carina valde arcuata brevior; ovario 4-ovulato; legumine obliqod lanceolate glabro calyce duplo longiore. — Fruticulus rainosissimus. — In Promontorio bonae spei.

105. A. GARNOSA Berg.— DC. Prodr. II. 140 no. 30. (?) — Until. 1. cit. p. 635. f— Dot. Magaz. tub. 1289. — Glabra vel ramulis vix puberulis; foliis fasciculatis lineari-terilibus muticis; floribus breviter pedicellatis subcapitato-racemosis; calycis campanulati carnosuli dentibus lalis obtusis iubo subduplo brevioribus; vexillo puberulo carinam flabram aequante; legumine obliqnc lanceolato calyce subduplo longiore. — In Promontorio bonae spei.

106. A. SARCODES Vogel. — Wlprs. Repen. 1. 612. no. 4. — Bnih. 1. cit. p. 635. f — Pulvinis exceptis glabra: foliis fasciculatis linearibus mucronalis camosis; floribus breviter pedicellatis solitariis geminisve terminalibus; bracteis omnibus late ovatis; calycis ample campanulati glabri carnosuli laciniis latis obtusis, ad sinus dilatatis, tubo subaequilongis; pclalis glabris latis subaequilongis; ovario plurloovulato; legumine oblique lanceolaio. —> *Sarcophyllum carnosum* Thunb. — *Sarcocalyar Capensis* Walp. — In Promontorio bonae spei.

107. A. SARCANTHA Vogel. — Wlprs. Repert. I. 612. no. 41. — Dnth. 1. cit. p. 636. f — Ramis strictis puberulis; foliis fasoiculatis teretiusculis cartiosis glabris vel summis puberulis; capitulis terminalibus paucifloris; bractea subtendente latissima ovata, lateralibus lanceolato-acuminatis calycem subaequantibus; calycis laciniis tubum aequantibus ovali-acuminatis corolla subcarnosa brevioribus, — *A. carnoia* Linn. — In Promontorio bonae spei.

106. A. GAPITATA Linn. — DC. Prodr. II. 138. no. 7. — Dnlh. 1. cit. p. 636. f — Ramis villosis; foliis dense fasciculatis lineari-triquetris suboarnosis mucronulalis incurvis; floribus capitatis; calycis late campanulati subvillosi laciniis late ovatis aculis tubo sublongioribus; petalis glabris; carina arcuato-subrostrata; ovario posice ciliato bi-ovulato. — *A. glometata* Linn. ill. — In Promontorio bonae spei,

S. 2. Floribus oapitatis eolitariisvej foliis mucronato-pungentibus.

109. A. FLORIBUNDA Bnlh. I. cit. p. 631 + — Foliis subfasdculatis trigonis rigldis mucronaio-pungentibus submiiicisque glabris; floribus laxe capitatis; calycis glabri subcarnosi laciniis lanccolotis carihalls acutissimis tubo subaequilongis; petalis glabris subaequilongis; enrina arcuato-subrdstrata; ovario 4-ovulato. — In Promontorio bonae spei.

110. 'A. CRASSIFOLIA Andrws. - DC. Prodr. II. i40. no. 32.

111. *A. BATODES Eckl. & Zeyh. — Wlprs. Rppert. I. 616. no. 102.

112. A. COLLINA Eckl. 8c Zeyh.' — Wlprs. Repert. I. 616. no. 106. — Bnth. 1. cit. p. 637. t — Foliis fasciculatis trigonis rigldis mucronato-pungentibus glabris; floribus brevissime pedicellatis solitariis; calycis glabri subcarnosi laciniis subulalo-acuminatis tubo longioribus; vexillo villosa carinam glabram arcuato-subrostratam vix superant; ovario 4-ovulato; legumine oblique ovato turgldo. — *A. Deriicolot* E. Mey. — In Promontorio bonae spei.

113. 'A. JUNIPERINA Thnbrg. - DC. Prodr. II. 441. no. 45.

114. A. ABIETINA Thnbrg. — DC. 1. c. no. 46. — Bnth. I. cit. p. 637. f — Foliis fasciculatis carnosis trigonis aristato-pungentibus glabris; floribus sessilibus solitariis ge-

minisve cslycig feubosrnosi glabri laomris ba»i ovatis subtilato - acuminatis tuba lon-
friorrbus pftalis glabrls subaeqwlongis einna arcuate obius*' ovario 6-ovulato —
In Ptomontono bonac spet

g 3 Flonbus solihms plen^qut, laleialibus, folns muticis

115 A ARIDA E Hey — Wlprs Repert I 613 no 51 — Both 1 cit p 638 f— 61a-
berruna vel ranus appresse pubeiula foliib fasciculatis linean-terotibus muticis, flo-
nbus soliterns bre\iter ptdiculhlis caljcis latissime cimpanulati glmbu carnosuli la-
unus e basi latissiina Iauccoldto-acuminatis tubo subaequilongis, pctahs glabris latis
&subaequilongis ovano bio\ulaio leguminc oblique ovato - rbombeo coioldd marces-
iente mcluso

a *eiecta* E Mej meimis caule lamiMjue elongatis erectis, folus brevionbus,
corolla mmonbus (3—4-lin), bractcolis hnearibus — A *pmguu* Eckl fit Zeyh

P *piocumbens* E Mey ngidior spmescens, ramulis brevroiibus foln» longionbus,
lloibus majonbus (4—5-lin) bracteolis lanceolads — 4 *spmescens* DC Prodr II
138 no 4

Y *grandiflora* mermis folns crassionbus, flonbus maximis (5—6 lm loogis) —
In Promontocio bonac spei

Mb A PACHYLOBA. Dnth 1 cit p 638 f — Rimis crassis tomentoso-villosis folii^
fasciculatis brevibus carnosis vix mucronatis glabris flonbus sohtarils scssilibus late-
ral jbus calycis glabn vel puberuli lacini s lanceolatis aculis tubo brevioribus vel vix
aequullongis vexillo basi dorso hirto carinam glabram vix superante ovano postice
ciliato biovulato legumino oblique rbombeo crassissimo glabro — In Pronontono
bonae spci

11? 'A PALLESCEJNS Etkl a ZeUi — Wlpris Report I 617 no 109

Series V PINGUES Bnth 1 c 639

Folia fasciculata leielia \el tugona Floies (patvi) lateiales sohtarn,
scssiles vel breviter pedicellati Petala glabra vel ranus sencea Le-
aumen glabrum vel senceum, non turgidum, exseitum, oblique lanceo-
latum — Folia ^ulgo carnosula obtusa vel vix mucronata, ranus sencea
l lores quam in *Carnosis* multo minoies. Calyx nunc turbinatus, nunc
lahuscule campapulatus, denies breves vel ranus elongati subfohacei
Carina valde arcuala Species a *Laterahbus* differunt legumine nec
turgido nec villosa, a *Leptanthis* carina arcuata et legumine longiore, a
senebus subsequenlibus jnfloioscenlia

8 1. Inermes, ovuhs 4—6.

¹18 A VERRDCOSA Linn — Wlprs Repert I 611 no 28 — Bnth 1 oit p 639 f —
Folns fascicula is longiuscule lmean-teretibus vix mucronatis carnosis glabns flo-
nbus breviter podicellatis lateralibus folio brevionbus calycis subglabn dentibus tubo
multo brevionbus petalis glabris ovano quadriovulato legumine oblique lato-lanceo-
l«o levlter puberulo — A *sucmlenta* E Mey — Wlprs I c I 617 no 110 — In Pro-
momorio bonae spei

119 A PINGUIS Thbrg — DC Prodr II 140 no 31 — Dnth I cit p 640 f — Foliis
fasciculatis brevibus vix mucronatis carnosis glabns floribus subsessilibus soli-
tarius lateralibus oalycis glabn oblique campanulas dentibus tubo multo brevioubus,
pctahs glabris vexillo basi calloso ovano postice cilia to 6-ovuloto legumine oblique
iato - lanceolato — In Pronug^io bonae spei

^{li0} 'A MUNDTIANA Eckl ft^PS — Wlprs Repert I 617 no 108

^{ut} A AFFINIS Thnbrg — DC Prodr II 140 no 33 — Bnlh 1, c + — Foliis fasci-
culatis minlmis carnosis obtusis demum ghbratis floribus lateralibus subsessilibus
^{solitariis} cajcis oblique campanulati fffhbu denlibus tubo multo brevionbus, petalis

- glabns vexillo basi nullo ovano glabro plun- (6?) ovulato legumine oblique lanceolato — *A minutifoha* Vog — *Wlprs I c 615 no 84* — In Piomontono bonae speci
- 122 *A COSTULATA* Benth I cit p 641 f — Folii* fasciculatis brevibus carnosius obtusius demum glabris flonibus hierahbus sessilibus solilams calycis campanulati glabrusculi (lentius tmngulibus acutis tubo brevibus petalis glabris vexillo basi nudo ovario glabrusculo pluri (4-)ovulato legumine oblique ovato - rhombico puberulo — In Piomontono bonae speci
- 123 *A SANGMNEA* Thunberg — *DC Prodr II 140 no 34 - Benth 1 cit 641 f - Foliis fasciculatis hievibus carnosius obtusius glabris flonibus lateralibus subsolitaris pro cellulo calyce sublongiore calycis turbinati glabro dentibus distantibus muticis tubo bicoloribus. petalis glabris alis canna incurva inulto bicoloribus ovano basi hirtello 4—6-ovulato — In Piomontono bonae speci*
- U** \. *INODOSA* Vogel — *Wlprs Rcpert I 614 no 68*

§ 2 Inermes, (nano bio\ulato

- 125 *A ADN PINEA* Tuckerm fit 7cjh — Benth 1 cit p 611 + — Foliis fasciculatis carnosius sub subulatis obtusius glabris flonibus solitims gemimsve breviter pedicellatis calycis glabris dentibus brevissimis pedicellatis glabris alis canna arcuata brevibus ovano biovulato legumine oblique lanceolato glibio ciliis pluribus longiore — *A miqua* Eckl & /pjh — *1 subtinytus I tkl 8. Zcjh* — *Wlprs Rcpert I 613 no 67* — | *rubrcens* I ckl 8L /c\h — In Piomontono bonae speci
- 126 \ *MICRODON* Fernald I (it > M2 i — F)ns fasciculatis brevibus teretibus obtusius rinosulis glabris flonibus solitariis < glibris ciliis lateralibus calycis glabro alio puberuli dentibus brevissimis distantibus pedicellatis glabris alis canna arcuato-subulata pro cellulo brevibus ovario puberulo biovulato legumine oblique lanceolato bicoloribus sparse pilosulis — *A a [finis Tuckerm a. Zeyher — A pmytus Jil c E Meyer P gianuhfaa folii** minoribus ciliis & dentibus minutis — In Piomontono bonae speci
- 127 *A RECURVA* Benth 1 cit p 642 f — Foliis fasciculatis brevibus obtusiusculis carnosius glabris flonibus solitariis & lateralibus jadicello foliis sublongiore calycis glabrusculi lacinis tmngulanibus majoribus inci assito - recurvis tubo acuilongis canna - , hirta nuda in hirta glabrum ovulo puberulo subsuperante ovario postice ciliato biovulato legumine glabro oblique ovato hirtato acuminato*calyce 2—3-lobato ovato — In Piomontono bonae speci
- 128 *A WUUMBANV* 1 Marten — *Wlprs Rcpert I 613 no 63* — Benth 1 cit p 643 + — Foliis laxo subsolitaribus tenuibus carnosius obtusiusculis glabris flonibus breviter pedicellatis solitariis geminibus lateralibus calycis puberuli lacinis lineariibus tubo turbinato longioribus corollae glabrae vexillo cuimque alas excedentibus ovano glabro biovulato — In Piomontono bonae speci
- 129 *A LACTEA* Thunberg — *DC Prodr II 140 no 35* — Benth 1 cit p 643 f — Foliis fasciculatis linearibus subulatis obtusius mucronatis glabris foliolibus calyce longioribus flonibus 1—5-lobatis lateralibus breviter pedicellatis calycis late campanulati obliqui glabrusculi dentibus tubo inulto bicoloribus petalis glabris vexillo tannaque alas superantibus ovino glabro vel postice puberulo legumine oblique ovato - lanceolato calyce duplo longiore — In Piomontono bonae speci
- 130 *A INCOMITA* Thunberg — *DC 1 c 139 no 22* — Benth I cit p 643 f — Foliis fasciculatis linearibus teretibus. obtusiusculis puberulis minute pallescentibus lateralibus calycibus superantibus flonibus subsessilibus solilams lateralibus calycibus minute puberuli dentibus brevissimis vix ovato senceo cannaque glabra las brevitati superantibus — In Piomontono bonae speci
- 131 *A ILPIDV.E* Meyer — *Until 1 cit | b43 f* — Foliis fasciculatis linearibus teretibus obtusius glabris pallidis flonibus latealibus solitims gemimsve breviter pedicellatis hirtis puberuli dentibus tmngularibus acutis tubo inulto bicoloribus* potilis senceo

pubeniibus; vexillo suborbiculaio carina longiore; ovario pubescente biovulato. — In Promontorio bonae spei.

132. A. ARGYREA DC. Prodr. II. 139. no. 11. — Bulb. 1. cit. p. 644. f — ^{Tota} tomento brevissimo incano-sericca: foliis fascicularis lincari - terelibus muticis; floribus sessilibus solitariis lateralibus; calycis turbinati dentibus tubo brevioribus; petalis pubescentibus; ovario biovulato; legumine oblique ovato - lanceolato acuto sericeo. — In Promontorio bonae spei.

§. 3. Spinescentes.

133. A. SPINESCENS Thnberg. — DC. 1. c. 138. no. 4. — Bnth. 1. cit. p. 644. f — Ramulis spinescentibus; foliis brevissimis obtusis carnosis subglabris; floribus solitariis lateralibus breviter pedicellatis; calycis dentibus brevissimis obtusis; vexillo carinaque puberulis alas superamibus; ovario glabro biovulato. — In Promontorio bonae spei.
134. A. SPINOSA Linn. — DC. 1. c. 138. no. 1. — Wlprs. Repert. I. 615. no. 87. — Bnth. 1. cit. p. 644. f — Glabra vel tenuissime canescens; ramulis spinescentibus foliis fasciculatis lineari - terelibus mulicis; floribus solitariis brevissime pedicellatis; calycis dentibus tubo suo brevioribus, vexillo ovali apice vix pubescente alas carinamque glabras subaequante; ovario biovulato; legumine sericeo-pubescente acuminato calyce 2—3-plo longiore.

♀. *flavispina*: globrior, foliis tenuioribus, demibus calycinis brevissimis, vexillo breviore, legumine paulo longiore* glabriorc. — A. *spinosa* lilt. c. E., Mey. — A. *flavispina* Prsl. — Wlprs. Annal. I. 209. no. 5!

7- ? *inertnis* E., Mey.

5. ? *horrida* Eckl. 8c Zeyh.

135. 'A. GLAUCA Eckl. ft Zeyh. — Wlprs. Report. I. 610. no. 17.

Series XI. TERMINALES Bnth. 1. c. 645.

Folia, fasciculate, teretia vel trigona, rarius solitaria vel terna, non vel vix carnosia. Flores ad apices ramulorum solitarii gemini vel racemulosi. Petala sericea vel glabra. Calyx turbinatus vel rarius latiuscule campanulatus. Legumen pblique lanceolatum, glabrum vel sericeum, nee turgidum. — Series fere ab omnibus inflorescentia differt; a *Carnosis* nonnullis lamen polius habilu quam characteribus dislinguenda. Flores \ulgo parvi, in speciebus paucis mediocres vel etiam in A. *astroili* majusculi. Carina valde arcuala. Species nonnullae anomalae hie enumerantur, quae nullibi melius collocari potuerunt. In A. *Agardhiana* soil, folia plana el ovula plurima; in §. 5. folia saepe solitaria, et in §. 6. inflorescentia inter *Terminates* et *later ales* subintermedia.

S. I. Foliis subfasciculatis glaberrimis, floribus ad apicem ramulorum »»revium vel vix evulorum solitariis subgeminisve.

- ^6. A. FJLIFOLIA E. Meyer. — Wlprs. Repert. I. 611. no. 33. - Bnth. I. cit. p. 646. f — Foliis subulatis mucronatis; calycis laciniis setaceo - acuminatis tubo plus duplo longioribus; vexillo carinaque arcuata recte et longiuscule rostrata alas subduplo superantibus; ovario biovulato; legumine oblique lanceolato glabro calyce longiore. — 4. *retroflexa* Eckl. 8: Zeyh. — *Paraspalathus crocea* Prsl. — Wlprs. Annal. I. 213. no. 26. — in Promontorio bonae spei.

137. A. FORNICATA Bnth. 1. cit. p. 646. f — Foliis subulalis carinatis vel margiue recurvis mucronatis; calycis laciniis setaceo - ocuminatis tubo sublongioribus; vexillo enrinaque fornicata valde incurva subrostrata alas superamibus; ovario biovulato; legumine oblique lanceolato glabro calyce longiore. — In Promontorio bonae spei.

§. 2. Foliis fasciculatis glabris sericeisve, floribus intra folia summa sessilibus solitariis geminisve.

138. A. RETROFLEXA Linn. — DC. Prodr. I. 141. no. 39. — Bnh. 1. ch. p. 646. — DiffusQ: foliis fusciculatis subulntis aculis glabriuscidis, fiorolibua caJyco multo brevioribus; floribus subgetnina sessildms; catycis puberuli Uciuiis herbaceis acutis Uibo longioribus, corolla brevioribus: petalis glabris; ovario villosio biovulato; legumine Inncolulo sericeo-pubescente calyce duplo longiore. — *A. yolioides* Berg? — DC. I. c. 140. no. 38? — In Promontorio bonae spei.
139. 'A. BIGOLOR Eckl. & Zcyh. — Wlprs. Repert. I. 616. no. 105.
140. A. GAUOIDES Berg. — DC. I. c. 140. po. 38. — Bntb. I ck. p. €47. — Diffusa: foliis fasciculatis subulalis acutis glabris, florilibus calyce vix brevioribus; Ho rib us subgeniinis sesailibus; cnlycis glaJ>riusculi laciniis herbaceis acutis tubo costalo duplo longioribus corollum glabram acquaniibus; ovario gldbro biovulato. — *A. galioides* var. *foliosa* E. Mey. — In Promontorio bonae .spei.
141. A. MARGNAUS Eckl. ft Zeyh. — Wlpi>. Repert. I. 643. no. 57. — Bnth. 1. c. .f — Ramosissima: foliis subfasciwlatis subulatis carnosulis obtusis mucronulatisve giabris; flonbus aubsessilibus soittariis gemnisve; culycis cuno-puberuli JacinHs herbaceis lanceolalis afulis rflexo-inargntati6 tuto long-iortbus, floro glabro dknirfio brevioribus; ovnrio viHoso biovulato; logumin« oblique lanceolato sericeo caiyee duplo longiore. — In Promontorio bonae spei.
142. A. AMIENS Linn. — DC. Prodr. II. 138. no. 10? ~ Bnth. i. cit. p. 648. f — Glabra vel pube (omii can«scens: foliis fasciculatis lineari• (cretibus mueronc brevi eubpungenle; lloribus solitariis paucisve ses^ilibus; calycis campanulati puhescemis dentibus tubo brevioribus inurronatis; pelalis pubescentibus; ovario glabro biovulato. — In Promontorio bonae spei.
143. A. RUBENS Thnbrg. — DC. !. c. 142. HO. 54 — Bnth. 1. cit. p. «48. + — Foliis fusciculatis brevbibus tenuibus albo-sericeis incurvis; floribus subsessilibus solitariis geminisvc; calycis turbinati toiooDIDsi dentibiis lubo multo te'eviwibus; petal is sericeis, carina obtusa; ovario biovulato; legumine oblique lanceolato seric'O - villosio. — In Promontorio bonae spei.

§. 3. Foliis fasciculati6 glabri6 puberulisve, floribus ad apices ramulorum pedicellais 2—3-nis vel breviter racemulosis, ramulis saepe spinecentibus.

144. A. ASTROITES Linn. — DC. I. c. 158. no. 8. — Bnth. I. cit. p. 648. f — Fob'is fasciculatis subulato - tertibus sublrigonis roucronato - pungentibus rigidis patentibus demum glabratis; floribus racemoso-capitalis; calycis late campaoulati puberuli lacinife subulato-pungenlihus tubo paulo longioribus; vexillo puberulo carinam glabram arcuato-rostratam acqyante; ovarjo biovulato; legumine oblique et late lanceolato glabro vel vix puberulo. — *A. speciosa* Steud. — Wlprs. Report. I. 617. no. 116. — In Promontorio bonae spei.
145. A. ACICULARIS E. Mey. — Wlprs. Reperl. I, 616. no. 101. — Bnth. 1. til. p. 649.+ — Spinescens: foliis fasciculatis patentibus leouiter lincari - trigonis rigidulis mucronato-pungentibus glabris; flonbus 1—3-nix breviter pedicellatis; calycis pubescentis lacniis aistato-subulatis tubo vix longioribus; vejculo pubescente; carina gtabriuscul*; legumine oblique lanceolato glabro. — In Promontorio bonae apoi.
146. A. SECUNDA. E. Meyer. Comment. I. 47. — Bnth. 1. cit. p. 64». f — Spineaeofls: foliis fascicuLatis lineari - lereiibus mucronulalis glabris; floribus racemulosis; calycis hirtelli demibus aristato - mucronatis tubo Uirbinoto subbpeviortbus; vexillo carinaq¹⁶ arcuato - rostrata sericeis alas superantibus; ovario biovulato; legumine oblique lo¹¹ ceolato wricao-jm^can^ ^ ^ ^ ^ngens EcW. feSeyh. (nee Thfbrg.) — I«^{PRO} mOBton'o bon«e ap^i.
147. A. GENISTOISWS ylm - ^ c . L fc m nQ , ^ , - Bmh ,h ^ p. 650. + - In? \ mis: falus foflciflula^ Uo«iimJiereUMis submuUtis glabriuscuUs; floribus racet>ulosi?«

- calyci⁹ glabriusculis dentibus subaialis tubo turbinato brevioribus; petals puberulis, carina longe et recte rostrata alas superante — In Promontono bonae spei.
- 148 A ACUMINATA Lam — Wlprs Rept I 613 no 86. — Bnlh 1. Clt p 650 + — Spinescens foliis subfasciculatis brevissimis trigonis obtusis vel incurvato-aculis glabrusculis floribus solitariis 2—3-nis breviter pedunculatis calycis turbinati puberuli dentibus anstalu-mucronatus tubo brevioribus, vexillo ovato cannaque arcuato-ovato senceis alas superantibus, ovano biovulato, legumme oblique lanceolato caescenti-puberulo — In Promontono bonae spei
- 149 A SUBNERMIS Bnlh 1 c p 650 f — Ramulibus tenuibus rigidiusve spinosis foliis fasciculatis parvis tenuibus mucronatis muticisve glabris, floribus solitariis 2—3-nis breviter pedice latis calycis puberuli dentibus brevibus mucronatis arista tenui vexillo ovato cuiusque arcuato-rostrata puberulis alas breviter superantibus ovario biovulato legumme oblique lanceolato caescenti-puberulo — 4. *acuminata* § *subnermis* — Wlprs Rept I 615 no 86 (i. — In Promontono bonae spei
- 150 A MICROPHYLLA DC Piodr U 143 no 16 — Bnlh I c p 650 f - Foliis subfasciculatis brevibus linearibus trigonis aculis glabris, exterioribus basi incrassato-trigonis flouibus sola tenuiter geminisve breviter pedicellatis, calycis turbinati glabrusculi dentibus lanceolatis aruibus tubo vix aequilongis vexillo orbiculato senceo cannaque arcuato-ovato obtusis glabris alas superantibus, ovano biovulato legumme oblique ovato-lanceolato pilosulo calyce duplo longiore — *A. dwergens* Willd — *A. leptocoma* Eckl. & Mey — In Promontono bonae spei.
- 151 A DIVARICATA Thnbig — DC Prodr II 141 no. U — Bnlh 1 c p 651 f — Foliis bicoloribus fasciculatis linearibus vel trigonis mucronulatis glabris vel vix puberulis. floribus bicoloriter pedunculatis racemosis subsolitariisve, calycis glabrusculi dentibus (tubo multo brevioribus vexillo orbiculato puberulo vel glabro cannaque acuta alas angustas superantibus ovano biovulato legumme oblique lanceolato adpresso puberulo calyce glabro pilosulo longiore — *A. gahoides* & Mey ? — In Promontono bonae spei
- 152 A VERMICULATA Lam - D t I t no 53 — Both. 1 c p 651 f — Foliis fasciculatis innatis obtusis glabris puberulisve floribus subgeminis breviter pedicellatis, calycibus pubescentibus denatis bievibus, corollae senceo-pubescentis alis cannam superantibus, vexillo paulo brevioribus ovano villosulo biovulato, legumme oblique lanceolato — *A. sanguinea* Eckl ft Zejh. — *A. miaophylla* Steud. — Wlprs. Rept I 617 no 117
- [i. *seicea* foliis calycisque dentibus longioribus, floribus magis senceis, ovano villosulo — In Promontono bonae spei

§ 4. Foliis fasciculatis terms\e incano-sericeis, **floribus in racemo** vel spica terminalibus subsessilibus

- 153 A AGARDHIANA DC 1 c 143 no 69 — Bnlh 1 c p 652 f — Tota pube brevissima senceo-incana foliis tenuibus anguste linearibus acutis planis, racemosis lernunatis paucifloris, calycis incano-sencei dentibus ovatis aculis tubo brevioribus, pelalis villosis ovano villosulo 4-ovulato — In Promontono bonae spei
- 154 A ARMATA Thnbig — DC 1 c 139 no 12 — Bnlh I c p. 652 f — Foliis subulatis mucronato-pungentibus submuticisve senceo-albis vel demum glabris, floribus in racemo vel spica foliis longiore subsessilibus, calycis villosi dentibus acuminatis tubo vix brevioribus pelalis villosis vix calyce longioribus, ovano biovulato legumme breviter oblique lanceolato turgido tomentoso — *Luchenroedei a terexfolia* Tckl tt Zejh — In Promontono bonae spei

§ 5. Foliis solitariis vel vix fasciculatis glabrusculis, racemis regulanter paucifloris.

- 155 A CORYMBOSA. E Mey - Wlprs Rept I 612 no 35 — Bnlh 1 c p 652 f — Foliis solitariis subfasciculatisve elongatis linearibus teretibus rigidis glabris puberulisve:

- flonbus breviter pedicellate paucis coymboso-racemosis calycis turbmati puberuli dentibus lanceolatis tubo brevionbus vexillo pubescente cannam pubescens lequantc o\ano biovulato legumine longe lanceolato vix puberulo — *A cognata* Pisi — In Promontono bonae spei
- 156 A TEMJIFOLIA DC 1 c 143 no 78 — Bnth 1 c pag 653 f — Folns solitanis subfasciculatisve longe subulato-teretibus rigidis glabris flonbus paucis interrupte racemosis calycis vix puberuli turbmati dentibus tubo plune» brevionbus vexillo puberulo cannam \alde arcuatam glabram superante — In Promontono bonae spei

Series XII *PEDUNCULATAE* Bnth 1 c 653

*oha terna icl fasciculata, plana \el linean-subulata Flores ad apicem pedunculi elongati capillans solitam vel pauci — Pedunculus nunc e fasciculo foliorum laterali ortus, nunc ad apicem ramuli magis minusve evoluti, \el ramulo excurrente lateralis et extra-axillans evadit

g 1 Folns terms vel subfasciculatis, pedunculis terminibus, nemeibus \el ranus lateribus, ovano plunovulato

- 157 A CAPILIARIS Bnth 1 c p 653 — Diffusa subglabri ramulis tenuibus folns 1—3-nis fasciculatis\c linean subulatis subplanis aculissimia pedunculis capillans umflons calycis dentibus sciaccis tubo turbmalo sublongiobus o\ano sessili 6-ovulato legumine lanceolato — *Ononis capillans* Thnbig Flor Cap 585 — *A pedunculata b* E Mey — In Promontono bonae spei
- 158 A PEDUNCULATA Hdnt — DC Piodr II 143 no 80 — Bnth 1 c p 654 + — Diffusa vel suberecla, imosissima puberula A el glabrescens* folns fasciculatis ranus 1—3-nis linean-subulatis subtcreubus aculiusculis pedunculis 1—3-nis cahcii* dentibus tubo turbinato subaequilongis ovano sessili 6-ovulato legumine lanceolato — *A biflora* F Mey — Wlprs Report I 617 no 113 — *Cicopodium mffruticosum* Desv Ann sc nat (1 Ser) IX 408 — In Promontono bonae spei
- 159 A BRACTEATA Thnbig — DC 1 c 144 no 82 — Bnth I c p 654 f — Frecta ramosissima vix puberula vel glabra loins fasciculis ranus terms linean-subulatis subtcreubus pedunculis umflons cahcis dentibus scitaceis tubo turbinato subaequilongis o\ano stipnato 3—4 ovulato legumine subfalcato acuminato basi in stipitem longe angustato — 1 *pedunculata a h* Mov — In Promontono bonae spei
- 160 A LANATA I MM — Wlprs Report I 615 no 90 — Bnth 1 c p 655 f — 1-olns fasciculatis toinisve lineanbus aculissimis plants longe pilosis pedunculis umflons tdylicis lacinis tubo duplo longioribus subulatis muticis vexillo hirsuto flonbus ⁷ — In Promontono bonae spei
- 161 A FALCATA Bnlh 1 c 655 f — Diffusa, laxa pilosa vel glabra folns terms subfasciculatisve linean lanceolatis utnque atutis plams, lateribus falcatis pedunculis 1—3-floris calycis dentibus tubo turbmalo brevionbus ovano breviter slipildlo sub-6-ovulato legumine longe lanceolato turgidulo — In Promontono bonae spei
- 162 A MVE\ Thnbig — DC 1 c 144 no 83 — Bnth 1 c p 655 f — Tola mcansericea folns fasciculatis linean-subulatis muticis pedunculis 1—3-floris, calycis dentibus tubo ux acuilongis muticis ovano quadrio\ulato legumine sessili oblique lanceolato sencto - mcanso — Species inlei *Pedunculatas* indumento distinctissima — In Promontono bonae spei

S 2 Folns fasciculatis pedunculis t fasciculo foliis ortis, ovano biovulato

- 163 A. SUFFRUTICOSA DC 1 c 144 no 81 — BntU 1 c p 655 f — Folns fasciculatis linean-teretibus mucronatis virubus glabris puberulisve pedunculis 1—3-floris calyce breviter dentato vexillo pubescente cannam glabram superante ovano biovulato, legumine oblique lanceolato adpresse puberulo — In Promontono bonae spei

164 A ILICINAEckl a ZPJI — Wlpis Reperit I 61b no 104 — Bnth 1 t 656 f—Foliis fasciculate subulatis tenuissime spmescenscentibus rigidis stellatim patentibus pedunculis 2—4-flous cahcis puberuli dentibus subulalo-spinescentibus tubo turbmato longionbus pctalis scnceis vexillo alas superante cinna bievore ovario biovulath legumme appresse puberulo oblique ovato-lanceolato acuto — In Promontono bonae spei

Spues hoc loco piacteinussue in Wlpis Ripert I 609 sq II 837 sq \nnal I %Q7~216 confeiantur

165 *A HOLOSERICEA L Me\ — Wlprs Reperit I 610 no 19 — *Buchenroedera ho losnceca* Bnlh in Hook Lond journ of boi MI 581

6487 IiOTOIfOliriS Eckl. Sf Zeyh

(*Onomdis* sect 2 DC Prodr II 166 — Wlprs Reperit I 619 V 455)

1 L (KRFBSIA) DICHILOIDES Sondei Linnaea XXIII 28 f— Fruliculosa incano-pubes cens caule stneto nmis numcrosis erectis abbreviatis foliis caulims alterms fasci culatis rameis solitarns subopposjtis slipulis folnlormibus peliolo subbreuionbus, fo liolis linean-spathulaiis mucronatis pcelluudo-punctatis racemis ramos terminantibus hxis 4—6 lions bracteis pedunculos aequintibus subulatis calycis dentibus subulate infonore longioie vexillo longiusculc siipitato — *Dichilus flonbundus* Sond mss — Tort Natal

i L (LEOBORDEA) ABYSSINICA Hochst mss ex A Rich Tent fl Abyss I 161 f — Annu i raulc i basi rimoso 1—6 uncias longo piloso foLis petiolatis tnfoliolatis pu benli-i llo^is foholis lanccolatis aut spatliulato-oblongis, subiequalibus stipulis sub foliaccis lanceolate flonbus axillanbus subsessilibus solitauw aut 2—3-nis calyce corollaque pilosib ciljcis hcinnis lanccohtis mibaequalibus peiala aeqmnlibus legu mint oblongo iubacuto vix cihcce longiore compres*)O piloso umloculan 4—6-spermo — Habitat in \l)v<>3innc lou* sictis |ioje Arm

Icon addenda.

L (LLOBORDL i Fn/I — Wlprs Reperit I 6^3) GLNIS1OIDLS Bnth — Wlpib Repeil \ 459 no 53 — Jaub Oc Spich IUustr phnt oriental III 70 tab 256

6495 CLiEX Linn

(DC Pr.odr II 144 — Wlprs Reperit I 62b)

¹ I GALLII Planchon Ann dts sc mtur (Ser*3) XI 213 t 9 — Van Houtte Flore fics serres V p 441 h c ic xylogr — Altitudme mediocn rami^ ascendentibus*, ramulis folusque (spimformibus) sat robustis (fere ut in Uhce europaeo) vindi - glau - opscenscentibus flonbus mediocribus iirantiaco-flavis ad axillas foliorum adultonim soh - rous, bracteolis oblongo-ovalis parvis calyce adpresse puberulo alis re vera canna paulo longionbus std (in flore rpercenti) ob ipsnrum curvaturam illius apice superatis legummbus ovoideo-oblongis hirsuto-hispidis calyce vix longionbus

P *humihis* depressus ramis humifusis lamulis fohisque confers ibbreviatib flonbus quam in stirpe tjpica paulo minonbus, — Crescit in Gallia prope d Auiav et Bntannia

² I WEI WITSCHIANUS Planchon 1 c 216 — Ramis pluiisulcatis sub Imte subglanduloso-pulverulentis foliis subulatis ramulitque spimformibus biovibus (2—4 lin ongis,) his nisigniler recurvis glabris longe spmoso-acuminatis pedicellis solitarns (3—4 lm longis), bracleolis caljcibusque pilis bievibus adpressis rufldulis sparsis bracieohs ovalis parvis, calyci contiguis flonbus inter illos *I eurojtaei* et *U. nam* "idgnitudme medus — Ciescit in Lusinnia

6499. *S %ROTHAJIIVrS Wimmcr.*

(Wlprs Report I 627)

- 1 S GADITANUS Bons ct Reut mss ex Boiss Vov bot App p 725 — Ramis angulatis, folns, omnibus tnfoliolatis breviter petiolaiis, foliolis obovaio-subietusis **ffd**-presse subsenceis calyce scuceo subinaequaliter bilabialo, canna margino supenon iccta obovati alas aequante. s\lo ghbro legumiriibus bicviter et idpresse hirsutolanaiis compressis crassis rrtiusculis abbreviate — In Baetico
2. S CATALAUMCUS Webb. Ann des sciences not (3 Sei) IX p 63 — Ramis teietibus subcostatis stnatis, slnis pubescentibus, folns ultunis, infcicionbus fasciculatis. foliolis ellipticis ovntisquc obtusis ca\ce spaisim piloso vcxillo gldbio st\lo sub apice mcdiocnter dilatato glabio, legumimbus oblongis compressis, junionbus margme **Jiilis** tenuibus albis ciliatis, demum glabemmis — Cicsnt in Monlc Hilan (Monto AlegreJ circa Barcmnem

6500. *GENISTA Linn.*

(Spach m Wlprs Report V 461 — 504, Annal I 219)

- 1 G, VILLARSII Clementi, Atti delln trza liumonc 517 — Pro&trata romn toituosis sulcatis tubi iculosis, apicc spinescenti-ngidis folnsquc Imean-lanceolalis piloso-argencicis llonbus axillanbus subscsilibus petalis scuceis — 6^T *humifuw* Vill (non Linn nei Tournpf) — Habitat in Delbinalu
- 1 G MELIA Boiss Dia^n plant orient nov IX p 2 + — Fruficosi, palulc denscque ramosa ramis intrltalis ngidis brtvibus tomcniellis stnatis, allernoim et ciebie spiuosis spims brevibus paulis subincurvis, in feme sinaiis, folia floiesquo feientibus, apicc bioviter acerosis, ramulis novellis *ex* axilla folioium deuduorum spinas ^upenores fulcientium onundis flavido-senceis. folns simplicibus minnnis lurielli^ cuneatovatis rciusisve vel in gemmas sessiles lloufciab secus s\nnas Mipenoics di^poMtis \cl secus rjmulos no\ellos sparsis et tune oblongo -lmcaiibu's bic\itei accioj>i> **&tipu** gemmarum tngufanbus, fore obsolotis. i.imorum jumoium subultito-spinoMs HaMdis. pdicdli!> e gommarum tontio sublmus, caljce paulo longioibus, apui \el sub apice bibiacieolatis. cal}ci> albidi tubo glabro crnnpunulato 5-anguKilo. dmtibiis tubo bre-Moubus liianguldiibu*. maigine bniellis Mibacquilongis. supiiioibus paulo laliubus coioldd gldbcinma. vexillo oblongo subreluso, bast altcnualo-stipitaio slnato, alis carinaque lonvion legumine linean glaberamo piano loiuloso subaicuaio 3—4-sprcmo, basi angu-stato, apicc breviter mucronalo, ad maiginem seminifcnnn praceilim i>lrangulalo — Crscil in insula Mofcs Arclupelagi
- 3 G. CASSIA Boiss 1 c p 3 f — SuTiulscens pumila caes,pitoua c<mlibus> piocumbenlibus, ramis crertis simplicibu* brivibu^ lenuibus, stnatis, longe et patulc bir^uus bpinifens. spims tenuibus gldbns> bimplicibus vel tnpaitiis angulatis, in inucionem longiusculum actrosom abiuple allLnuallj» crecto-palulis, folns simplicibua estipiilatis lincan-lanccolatib aculib mulici^, margme patulc el longe ciliatis, supenonbus **lineari**-setaceis, flonbus in lacemum tciminalcm brevcin paucifloruni, apicc spmo&um dispositis, bicMssime pdiccllalis, braclea dd basin pdicclli setacea, caljci subaequilonga. bracteolib sub calye binis birsulib, lubo caljcmo aequilongis, caljcis* tubo glabio. lacimis seiaccib hirsutis, lubo longionbus*. vexillo glabio dlit> gl ibris> icquilongo, carina recta obtusa, vexillo longion, jd sutunm birsu'a, cacterum glabia, loguimne ? -* Ciescit in rcgione montana Cassii Sjnae boicalu»
- 4 G. LIBANOTICA Boiss 1 c p 3 f— Inermis caulibus brevibus lignosis piostratis vel humo sepuliis, ramis brevissnms foliosis bimplicibus \alde angulato-striati^, p'>s ngidis adpresbis parce obsitis. caespitem vix pioinmeniern foimanlibus. fuliis siuiplic" bus scsilibus oblongis, vel oblongo-lineanbu* obtusibsnuic^ immorginalii crassiusculi*

uninerviis, pilis sparsis adpressiusculis morgme obsitis stipuhs bie\ibus subulato-spine¢ibus flonbus 2—4 id ramorum apicem sitis, pedicello tubum calycis aequanti* basi bractea setacea eo longion, apice 2 biacteolls brevissimis ciliatis obsito, calycis obcomci paice butelli lacinnis a basi sublation lincanbus, tubo subaequilongis, mfeiiionbus tnbus paulo longionbus angusiioibusque corolla glabra, vexillo carinam dcflexam aequante, nlis bievionbus legumine junion parcissime et adpies90 hirlello piano oblongo-ellipico 1—2-spermo, basi attenuate* acuto mucronulato — deccit in biimmis convillibus lmbidis SICCIS Libam supia Cedros alt 7000 ped

- > G AMIOCHIA Doiss 1 c 4 f — Inermis suflruticosa caulibus abbrevatis nscendentibus vel procumbentibus, nmos numerosos erectos virgatos tenues foliosos clevito - <utiatos glabros simpliccs vol supernc parcc paniculatos edenlibus, folus simplicibus anguste linean-lanceolatis uninerviis, ba^i et apice altcnuatis, in mucronulum fla^ulum abeuntibus, junionbus idpressiusculc pilobulis, adultis glabns, stipulis lon-Qiusculis subulato-spinosis flonbus racemos densiu^culos tcrcminales subsecundot> formaniibus pedicello hirto caljce breviori, bractea setacea eo longion suffulto bracteolis bims setaccis sub calyce sitis, ejus tubo paulo brevionbus^ calycis adpresse et parce hiriclh dentibus tnangulan-lanccolatis subaequilongis, tubo paulo brevionbus coiolla glabra vexillo illis cuinaque dcflexis vix longion legumine glabernmo lineau piano recto 3—5-spermo, basi altenuato, apico mucronato, ad marginem semimferum saepe irrcgulariter undulato-substrangulato — Crescit In summis collibus, quibus ruinae arci& Antiocbiae msident, in Syria boreah
- <) G PESTALOZZAE Boiss 1 c f- Caulibus prostratis lignosis lortuqsis, lamos breves flifoiraes caespuosob elevalo - stnaios edentibus lamis novellis flavido-velulims foil is minimib oblongo-obovatis obtusis, basi altenuatis, facie superior! concausculis, utnnque scd sublus dcnsius patule flavido-hirsutis. pulvino lursuto insnlentibus exslipuhlis flonbus 1 — 3 ad ramulouun ipicem pedicellis hirsutis cahci aequilongis suJTultis c gtmnm fohoium onundis brnctea biactcoli&que nullis taljcis patule et dense flaMdo-loincnlosi denlibus supenonbus bims tuangularibus, tubo aequilongis, labio inlet ion paulo longion, id medium usque tridentato vexillo cannaquc aequilongis extus sentcis, alis glibns bievionbus legumiue ° — Ciescit in motile Beickct Dagli Lyuac
- * 0 UMBILLATV floss in Gav Hist de Chile Dot II p 56 — **Folus** scauosn, dense lubuloso-imbricate amploxicaulibus glabns, longe spmoso-tripartilis lacimis lateialibus duabus (^lipulis) lanccolalii. teitn longion tubuloso-tnparlita. apice pungenlibus llonbus, sessilibus soliiams in apice ramulorum calyce glabro legumino otoideo Bldbro-ntlidulo, monosperino — Habitat in Chili

6504. AROYROIiOB^JIO: *Eckl. Sf Zeyh.*

(Wlprs. Repert I 630 II 842 \ 509. Annal. I 222)

- ^ RFMOTIM Hochsl mss ox A Rich Tent fl AMss I 162 — SuffirutM caule l>edalt Insi ltgnoso a basi lamoso ramis teretibus **hirtis folus** distanlibus. foholis (bo\oi, .0)|or, gIS mucronulatis aul ellipico-oblongis acutis, praeserllm subtus pilots l'alliiltoribusque stipulis lanccolatis aculissimis Horibus 3—4 cymoso-capitalis bre-xii<r pedicclatts caljce legunnibusque ferrugineo-hirtis cahcis lacnlis lanceohti* **utissjmis** — II ibitat in Abyssinia prov Stmitne
- ^ S (IIMPERIAMJM Hoclist mss ex A Rich 1 c 163 — Raini* pilis feiiuginei* < onsporjsij, foliolis tlliptico-oblongis obtusis mucronalls pallide cinereis, uiinque Piaesorlmi subtus pubentibus slipuli* hnean-lanceoKitis acutissimis lintis llonbus l"ditlmais J-bractedtib, racemum bnvcn subcapitatuui 3—8-floiuin, ramulos lermnatitcin cTormantibu* calyce \c\illoque imlo-fLrtugieuis caljcib lacimis inlcnonbu> saepius m uuam coaliu* legumine compr<so unciali, dense mrto et ferrugineo-

- tomentoso — *Aigiolob dasycaipum* Hochst mss — *Cytisus Schimperianus* Steud mss — In Abyssinia inter Adoua & Gondor
- 3 A PETITIAMJM A Rich 1 c 163 — Ciule frutei>cente ramis senceo-argenteis folns bromter petiohtis foliolis pmulis obo\ihbus apite obtusissimis mucronulatis glautis supcme puncuus pilosiusculis subtus senceo-pubentibus stipulis pirtim petiolo adnitis ba-ii ovilibus apico subulatis senceis, persistentibus floubus lultis jsolitauis a\illanbus aut ramulos teiminantibus, in pedunculo infra cahctm bie\i 3-bnctetis bracteu> breubus lanceolitis cihcis lacinnis 2 supenoiibus ovali lanreolati* 3 infeiiionbus in_pustionbus dolmens legumnis angusti compressi, apice icuti, sciicco-pubeni* valvis post delnscentiam spiraliter convolutis — In Abyssinido piv Ouodgente
- i *V \D\SSIMCLM Jaub & Spach — Wlpis Rcepeil I 8i3 no 7 — A Rich 1 c IH2 — \Igy10l modcstum Hotlm mss — *Icphosia modeslu* Sieudel mss

6505 CYTISIIS Linn

(DL I>iod» II 153 - 'Nlpis Repert I 632 II S4), Annal I 222)

- i C (*Tubocytisus*J CREIICUS Boiss a Heidi Diagn plant orient nov IX pag 5 + — SuHrulicosus dumosus caulibus ciasbis rectis a batsi ramosissimis lamis brcMbut> strictly tertlibus itcium ramulosis rimulis rigid is coriice lubctlo \eslitis in spimi \ilidis ibtuntibus folns minutis ti ifoliol iis | eliolo foholib aequilongo foliolis ovali* oblusis ciasbiusculis in pcliolulos bicMs^imos ittenuatis supii ghhiib subtus id-pressissime et parco SCIICIS lloibtib muiutis m folioium gemims solitarily racemoi> terminales hicvos pnuufioios o\atos foimultibus pedictllo s<ncto cbncteatu tubo i ahcis nequilongu cahcis idpio^ lnršuti riinpinului \d terlnm i irtem usque bilabnli labio suponou ad Uitnm putnn u2 jnc bilobo dentibus Hto liiangulanbus infcuoi subhi<\IOI id tiiliam jnitiin IhM denlibus lineinhis MIO tonnnenubus vexillo plicio ^ildo mcurvo id imi{,inpin supenorrm linsuto cittciiun gldjio alas cannamquo incur\nm c\mbiformcm oxcedente stigmte lecto minuto capitalo legummc junion longo reoto in^uste lm< in longo PI adpresst ilbo-hirsuto — Ciescit in tollibus dumoMs (roit intci Mtlidoni tt Dnmaita Epiicnie ftMopolnmo
- i C (*tuboijlissn*) t VSSIUS lloiss 1 r -J — Iniiuo>us mnis eieclis densis nmulo&is lurtibus lacvibus ^hbns ninricinlibus nniulis fdiusis iimioubut longe et adpresse s<riicis tohu> mfoliohtis JUIU tiibiib inblu^ id\iLi>> Im Mit* tmdom glabris petiolo c<lassiusculo piano IUIOLS dunidjo bi<\ion foliolis ovato-oblongis oblusissimjs mucionul itis bdM in pdioliilum itlenuatis unin^niis lloibus id ramoium npicem capitato-tong* siis prdtincnh tubo <al\cis aequilongo btsi biactca luisutissima lineaii ei aequilon^a tpiu I—3 bi uuoli& LJIsuti&siirus suffulto c il\cis pilule hnsuti^simi iabio supeuou in I d(n< s tuanguliHS diwso inferiori piulo longion lnyustiouque in tre* dentes luitaiLs fisso i orolla Jleguminibus I—5 capititi^ Imeaiibus patulis sub-mcurvls tWL bisi net ipiu iit< nu itis Kuliustuli^ bie\itci mucionitis lana densa appiceya vostitis 3—4-spcimis — GICMII in s\laticib ngionis infeiiotis Cas^n HI S311a boreali
- 3 C (*Tubocytuus*) I)RLI^A^OI ODLs Boiss 1 c ptg b f — friulicosus humilis caulibus tenuibua teietibus \irgalis inferne nudis superne corymbose rimosis ramis tenuibus erecto-patulis adpi csi^simc et tcnuiler pilosis folns tnfoliolatis, petiolo foliolis paulo bicMon suffulli^ infcnunbus mmonbus foliolis oblongis \el oblongo-ellipticis, utunque atlenuatis, supia ghbns subtus puce et adpressissime pilose pallide vnentibus, infeiioubus obtusis supcnonbus icutiuseub⁸ mucronulatis flonbus in capitulo denso multilloio tciminali folns biipreims bracteatu aggregatis pedicellis tubo fihcmo bievionbus basi \el medium versus biacte> us vi\ longion et ad apicem 1—2 biacteolis oblongo-lineanbus obsitis calyce catt panulato pilis sparsis adpiessissimis obsito ulna medium bilabiato labio superior' fere ad medium usque in 2 denies e bisi tuangulan subuhtob diviso, mfciiion ap^{cc} alttinnto in 3 dome* lincau-bciaceob Q&so corolla albida >exillo secu& marginem

supenorem adpresse liuto caeterum glabio o\aiio ictuso alas cannamque glabits superante stigmatē capuato extroisum subdeclm leguminc lineari pianissimo falcaio 1 itenti-recurvo adpi es&issimc piloso marginc saepe undulato, obtusiusculo mucrone brevi terminato 12 — 15 - spermo — Crescit in regione sjlvatica Cassn

6505/2 **PODOCYTISUS** Boiss. *Af. Jleldr* *)

(Boiss Dngnos plant orient nov IX p 7)

Calvx membranaceus campanulatus bilabialis, labio supenon ovato obtusis^imo breMlei lisso, dentibus tiiangularibus, infcrioii longion, apjee minute tndcnculato, prius o^ato redo dein ba^i tandem lacera attenuato oblongo-deltaideo deflexo deciduoque Vexillum orbiculare obtusum subreilexum abiupte in stipitem bievem basi attenuatum cannac aequilongum Alae libeiae caiina subbrcMorcs oblongae, latere supenon rectiusculae, mfenori incui\ae, inferne utnnque eximie phcatae abrupte et bievitei s'ipitatae Carina mcurva, apice ascendens attenuata acuta bidentata, latere supenon concava, inferiori convexa, basi abrtfptiuscule et breviter stipitata Anlherae hneares glabrae U\anum anguste lineare rectum glabrum longe attenuato-stipitatum 6—9-ovulatum Stylus supei o\anum angulo lecto insidens Stigma terminale rectum capitato-discoideum papilloso-cihatum Legumen planissimum foliaceum oblongo-lineare falcatum, basi attenuatum lonfnusculeque slipitatum indehiscens, sutuia utraque in alam integram latiusculam dilatda, semina exanllata — Frutex Anaticus facie *Cytisi nigncantis* vel *C anqulati* Jtoiss ab omnibus *Gemsteis* fructu mdehiscenti utnnque late maiginato genence destmctus.

- 1 P CARAMANICLS Boiss 8c Heldr — Boiss I c p 7 — Glabernmus ghuco-virens caulibus virgaUs tcnuibs subhtrbaccis leielibus foliorum decurrentia parce et obsolete siuiais fohosis, supcint tamulos Qoufcios paicc foliosos abbrevialos eieclo-patulos cdeniibus p\nmidalo-paniculalis folns tnfoliolalis exsiipulatis peiolo foliolis longion vel aequilongo suffullis supremis subsessilibus mmonbus, foliolis breviter peliolulalis obo>atis obtusis vel iruncatis mucronulat* unineivns ilonbus in racemos terminates nudos abbrevntos dispositis nutanlibus pedicello tenui curvato calyce longion basi nudo apicem \ersus minute 1— 2-braccolalo. calycis \indis labns nigncanti-marginatis corolla flava legumme 3—5-spermo in stipnem tenuem, calyce vix longiorem ntenuito, apice rotundato bre\itici mucronuhto alis utnnque diametro loculi quadruplo angustionbus exienon (maigmis seminifen) sola a loculo ncrvo elevato separata seminilm* mgns compressis — Crescit in collibus apicis Taun Isaunci in valle fluvu Djoksu mtei Karaman et Ermcnek

Subtribus II *TRIFOLIEAE* DC 1. c 171

6507 **MEBICAOO** Linn

(DC Piodi I 171 [excl sect 1J — Wlprs Repert I 635 II 847 Annal I 224)

- ¹ M LACIMATA All — DC 1 c 180 no 72 — var *brachyacantha* Boiss Diagnos Plant orient nov IX. p 10 — Fructus minor, spinae diametro anfractus saepms niulto breviores siipulae acute denticulatae nee pmnatifidae — Crescit in aiena mo-b'li dt^sorti Arabiae petraeae
- ² M GALILAEA Boiss I c 10 f - Annuā glabnuscūla caulibus elongatis lāinosīs ^ngulatis sulcatis stipulis semisagittatis acutis laterc exteriori profunde et acute den-

) Genus a PETTERIA Prsl (Wlprs Annal I #3) parum diversum

- ticulatis petiolo patulo deflexo planiusculo foliolis dimidio breviori foliis ovato-oblongis parallelis utriusque lobis cuneatis argute spinuloso-denticulatis ascendenlibus in irgme subincrisstis foliolo superioris pedunculi» 2—4-flois folio paulo longioribus* flouibus minutis intone l'IVIS cahce glabro utriusque lobis duplo longioribus l'p^unmic depit^o subrotundo glabro, anfractibus quinque laxiuscule mucin-lik utribus. Mipilicis eluatum reticulato-venosum, marginatum, obtusis distichis non ovalibus s'iniifitjs spiris lobis tencis amts ob situm horizontalem inter se intricatis uifi ictus *ilamatio tnplo* quadruploque brevioribus sulcato-brevioribus, cuneis postea in venam obliquam anfractus super floris abeunt — Crescit in herbis planis E&-diaclo Gahlacae
- 3 M DEPRESSA Joul Cat de jard de Dijon 1848 p 28 f — Pedunculis 1—3-floris. folia vix aequanibus, fructifera patulo-recua dentibus calycis lanceolata acuta nervo canaliculata, tubo campanulato obconico laxo villosa paulo longioribus, exilium cahe duplo longiore late ovato acute emarginato, alis obtusis, apice truncatis subrotundis ciliatis, vexillo duplo brevioribus ciliatis oblongis vix atquantibus caudicibus, leguminibus* junioribus obsolete pubescentibus demum glabris ciliatis (s'is latitudinem superante unneque spingra, spinis erectis vel palulis conico-lanceolatis), apice recurvatis uncinatis que eadem diametro transversa li duplo longioribus foliolis pubescentibus obovato-cuneatis apice subemarginatis argute denticulatis stipulis eicteis hanc lanceolatis acuminatis in lobos imares dissectis caulibus pubescentibus villosis* probraus elongatis — Habitat inter segetes prope Maiseilh
- 4 M TIMOTHOM Joidan 1 c p 29 f — Pedunculis 1—b-llis folio longioribus, fructifera erecto pilulis. dentibus cuneatis angustis lanceolato-linearibus acutis nervo tenui carinatis, tubo obconico pills cuneatis-jugatis tecto longioribus vexillo laheca duplo longioribus (elliptico-obovato lobis emarginatis, distichis subemarginatis) utriusque lobis brevioribus cinnam obtusam subquadrilobis, leguminibus* brevissime glanduloso-puberulis ovalibus globosis ulinquo phms, ciliatis 5—b baid arcu actumbentibus laxiusculis* sutura extensor obtusa fere canaliculata unneque spingra spinis eicteis pinnatis obliquis conico-linearibus, apice recurve suturae diametri transversa subduplo longioribus foliolis laevibus cuneatis laxiusculis pubescentibus obovato-cuneatis subtruncatis argute denticulatis stipulis oblique eicteis lanceolatis acuminatis, basi in lobos imares dissectis, caulibus ascendens pubescentibus — Habitat inter segetes prope Lyon

6508. TRIGOSTIBIJA Linn.

(DC Prodr II 181 — Wlprs Reprt I 636 II 847. Annal I 225 a 968)

- 1 *Til (loenum graecum)* Cassia Boiss Diagn plant orient nov I p 13. f— *Annua* caulibus brevissimis prostratis. simplicibus subangustis superne campanulato-pilosulis. foliis petiolo piano pilosulis. foliolis paulo brevioribus sulcatis, foliolis glibus cuneatis, apice truncatis emarginatis nervosis, apice tantum obtusiuscule denticulatis stipulis hinc hinc hinc flonibus axillaribus solitariis sessilibus caehis bulbosis glabris dentibus lanceolatis hinc hinc hinc tubo brevioribus corolla caliceae squilone pallide violacea vexillo oblongo elongato nervoso inter se inter se alia obtusa canaliculata obtusissima recta inferne angustalata paulo superciliatis legumibus longo glabro linearibus MI curvato lateraliter comprisso, HUMS longitudinalibus anastomosantibus devatis petiolo striato polyspermo in rostrum linearibus tubulatum subangulatum eo dimidio brevius attenuatum scimibus subquadrato tuberculato-scindis — Crescit in silvicis ignis superioris montis Cn^su in Sj in boicali onelom (cisus)
- 2 TR SIBTHORPI Boiss 1 c 14 f — *Annua* lora tomentosa albicans caulibus abbreviatis procumbentibus folis petiolo usque acuilongis sulcatis. foliolis breviter cuneatis obtusis aequalibus, apice tantum argute denticulatis stipulis triangularibus lanceolatis, apice subulatis brevibus capitulis sphaericis pedunculis folio brevioribus, in mucronem pedicellis aequilongis abeuntibus, post anthesin incrassatis pedicellis calycis brevioribus, tandem incrassatis. Qonibus parvis flavis nutantibus, calycis adpresso W

- snii tubuloso - campanulati, donlibus subulalis, duobus superior) bus tubo aequilongis, mfei lonbus breviorilms corolla cahce plus duplo longiou, vexillo cannae incurvae obiusibsimie aequilongo, alia bievioubu* Icguinmibus subpatule hirsutis, calyco mul- lotits longionbus cihndncis angulalis subcnerviis sensioi aienuatis breviter mucrono- ns deilevi-. parte inftriori inter sc arete approximate extremitate curruis divorgenti- lms scimibus ovalis flaudis laevibus. — *Tngonella hamala* Flor Gracca — Crescit in Asia minore et in C\pro w»ula
- 3 TR HIEROSOLYMIFANA Boiss I c pag 15 f — Annuā cnsplē hirtelta caulibus pi ocumbontibus creclisve angulalo - sulcatis folns mfcuoribus peliolo us longion, su- ptiotibus lib icquilongo suiTulus foliolis oblongs obtusis circumcirca denticulis is- cenditibus aigulis obsitu> slipulis e bisi tnan^uhn clongatis subulatis, flonbus in numo* Lipitulifoimes, sub mlbesi o\atos dem oblongos disposals, pedunculo foln supennii in mucioncm pedicellis longiorecm abcnuli pedicellis curvalis caljce brevion- bus floubus magnis* nutantibus caljce kur&uto bieviter campnnulalo elevala-nervoso (lonthibus hntcoho - subuhiw subacquahbus lubo bubaoquilongis, corolla aurantiaca <al\cc tnplo longion vexillo cannm obtusam maigine superior! rectam aequante ilis multo bieMonbus legumme (juruoii) adpresso hirsute* angulato-cylindrico, caluc mulioiies longion ilcflc\o valdo curvalo extrtraitate eiecto bievisime attenuato aculo — Tic^cit in colibus> enca Hierosolymain, praeseilim in monle Oliveio froquens, in Syria ad Aleppum
- 4 TH PLA IONEUUA. Coiss 1 c. pag 16 f — Annuā adpressiuscule et parce hirtella vuens caulibus pumilis procumbentibus brevibus divaucatim ramosissimn raraisque tenuibus folus pedicello tenui brevi suffultis. foliolis cuneatis vel cuneato-luieanbus obtusis truncatisve apice lantum argute denticulatis stipulis e b&xi triangular! seta- tcis flonbus> parvis in capilulum rotundura congeslis subsessilibus, podunculo fliflorroi jpico mucronaio llonfci o folia non suporinti, fiuclifero elongato coljcis parce hirielli nuvulosi brcxiici tubulosi denlibus lanceolatis, supenonbus binis lubo brevionbus, infci tores paulo supt laniibus corolla fla\i cahce sesquilongion, venllo cannam cur- vatim obtusam acquinti, alis bie\ionbus legunumbus adpressissime pubiculis cylin- dncis nems elcvaus oblique longitudinilibus anaslomosanlibus percursis deflexis cut- vans cxtiemitate sensira allcnualis atulis paiuLL nscndonlibua, semmibus elongalis c}hudncis laevibus — Cioscii *m* aicnosis ad Gaznm Palaebliuae
- o TR HLIPES Ooiss. 1 c f — Annuā pilis ciibpulis, liuta caulibus filifoimibus bie- vibus procumbentibus folus bieviler peliolalis, foliolis neivulosis cuneato-ovalis ob- longi>vc circumcanta minuie dcniiiculaiis paiuib stipulis e basi luaogulan setaceis, Houbus niuuiinis in capiulum splntiicum congeslis pedunculo setaceo folia superanti, ipice anslato suffultis calvcis tubulosi idpresse hirti denubus lanceolaiis, supenonbus lubo subaequilongis, caclens brevionbus coiolla llava caljce vix sesquilongion venllo canna oblusa paulo longion alis cannae aequilongis Iegumimbus deflexis cWindncis curvalis extremitate ascenUeniibus, praeter pilos adpressos patule bispidulis, basi 1—2- speimis, superne in lostium stnsiuj angubtatis semmibus cylmdncis submcurvia — ^itstit in collibus siocis duuaosis circa Rascheva Anlilibam
- 1) TR LILACINA Boiss I c pag 17. f — Annuā adpressiuscule hirta caulibus tenui 'us eioclis lamosis folus peliolo tenui canaliculato suffullis foliolis cuneoto-oblongis "buisis ucrosso-sulculosL», sublus subcpnescenlibus. apice minute denticulatis, slipulis 'ubuhus adpresse bnsulis, Ooubus in racemos ovalo-oblongos laimsculos dispo»itis ppdunculo loins longiopi, apice ansiato pedicellis calyce brevionbus, bracleola seta- tea bullultis llonbus nulaniibus lilacims, calycis lubulosi nervosi adpresse hirsuli denubus subulate, supenonbus tubo caetensque paulo longionbus corolla calvcc l'us duplo longion vexillo linean caunam elongatam parum mcurvam oblusain ^quinti alis paulo bievionbus Iegumimbus deflexis cvhndncis curvatis citicimtale &onsim atienuata acuta ascendentibus paiule bispidulis obsolete el oblique nonulo- Sls semmibus oblongo- cylmdncis minute tubeiculatis — Crescit in Garraelo, in col- libus pi ope Nazareth
- 7 TH STRANGULATA Boiss 1 c f — Annuā, pilis cnsplulis brevissirais hirta vires- II.

- cens* caulibus pumih erectis, folus petiolo bico suffultis, foliolis cuneato-obtusis
 lanibus oblongis linearibus, minutissime et obtuse denticulatis, stipulis Incubus *O*
 basi triangulari setaceis. flonibus 4—7 in racemum laxum brevem dispositis pedun-
 culo foliis longioribus, apice anastomatoso, flonibus nutantibus pedicello calyce brevioribus suf-
 fultis caulis parce hirtelli campanulati dentibus subulatis, superioribus tubo aequi-
 longis, inferioribus paulo brevioribus, corolla flava calyce duplo longior vexillo alba
 paulo longior, canna rectiuscula obtusissima alis subbrevioribus, legumibus dellexib
 subcuneatis cylindricis subcompressis, apice breviter attenuatis, adpressis bintellis 3—4-
 spernis, inter semina angustis torulosis, longitudinaliter giosse et decliviter plunnei-
 MIS seminibus ovatis subcompressis minute tuberculatis — Crescit in collibus siccis
 Antiochia circa Rascheja.
8. TR [*Buceras*] SINUATA Boiss 1 c pag 18 f — Annua tota pilis brevissimis crispis
 hirtella caulis tenuibus brevissimis erectis vel procumbentibus, folus petiolo filio-
 formi us aequilongus suffultis, foliolis minimis brevissime cuneato-obcordatis, elevatis
 nervosis circumcirca basi excepta argute denticulatis, stipulis semisagittatis, basi
 parce densatis, flonibus minimis in capitulo parva subglobosa densa pedunculo
 mutico folus aequilongus suffultus conglutinis, calycis parce et adpressis puberulis den-
 tibus lanceolatis subulatis aequilongis, tubo paulo longioribus, corolla flava calyce
 duplo longior, vexillo alas cannamque aequilongas paulo superantibus, legumibus paucis
 puberulis subsessilibus, ex apice pedunculi stellatim patentibus, angustissime linearibus
 compressis rectis attenuato-mucronatis 3—4-spernis, margine somifero ciliatis
 cilio recto, alio intus semina undulato-sinuata, pericarpio ad senescentiam rugoso-
 gibbo, seminibus (junioribus) cylindricis laevibus — Crescit in collibus circa
 Rascheja Antiochia
9. TR POLYCARPA Boiss a Heidi 1 c pag 19 f — Annua tota dense et adpressius-
 cule hirtella caulibus procumbentibus demum elongatis, folus petiolo us
 subaequilongus suffultis, foliolis minutis cuneato-suborbiculatis obtusis obtusiusculis
 denticulatis, stipulis semisagittatis, lateribus ex tenore denticulatis, flonibus magnis subsessilibus,
 in capitulo raultiflora rotunda densa dispositis pedunculo multico foliis
 2—3-plo longioribus, fructifero apice incrassato, calycis adpressis hirsutis dentibus lan-
 ceolatis, apice subulatis inter se et tubo subaequilongis, corolla aurantiaca calyce
 inpleto longior, vexillo alas superantibus, alis canna recta oblusa longioribus legumibus
 pedicello brevissimo incrassato us aequilongus suffultis rectis rigidis anguste linearibus
 subcompressis, apice attentis denticulatis pilosis albis rugosis sciobiculatis polysper-
 mis, ad pedunculi apicem dense fasciculatis strobilatis, apice divergentibus, seminibus
 bitrilocis pinnatis (junioribus) laevibus. — Crescit in campis stertilibus ad orientem
 ubi bis Adaba in Syria
10. TR COELLYRIACA Boiss 1 c pag 19 + — Annua paucis vel brevibus pilis
 caulibus crassisculis ascendentibus angulatis, basi ramosissimis folus petiolo strobilato
 us aequilongus vel longior suffultis, foliolis glabrescentibus cuneato-obcordatis
 superne tantum denticulatis; stipulis brevibus, inferioribus semisagittatis, basi denticu-
 latis, superioribus lanceolatis acumatis, flonibus in capitula laeva rotunda dispositis.
 pedunculo multico foliis aequilongis, pedicellis tenuibus calyce aequilongis longioribus
 calycis glabris dentibus lanceolatis inter se et tubo aequilongis, inferioribus
 gustatis, corolla flava calyce inpleto longior, vexillo alba, paulo longior, canna parum
 cuneata subbrevior, legumibus pedicello incrassato eo angustioribus insidentibus erectis
 acuminatis longe et anguste linearibus compressis, tenuissimis punctato-
 tuberculatis. — Crescit ad margines agrorum in Syria inter Zebdani & Zaccle.

6509. *POCOCKIA DC.*

(DC Prodr. II. 185. — Wipr Repeit I 638 II. 850. — Boiss Diagn. pi. nov. orientalis
 IX p 11)

Legumen pleiospermum planissimum ciliaticeum samaraeformis
 leclum vel incunura subinde incens, nervis Iranseis parallelis etc.

vatis intel so saepe anastomosantibus stnatum; sutura utraque vel sunimiera tantum alatis vel dilatato-cannatis. — Hoc genus omnes *Infoheas* amplectitur legumine piano lecto ^el curvato donatas, in quibus vel ambo suturae vel seminifeia sola alatae aut cannato-dilatae sunt Huic igitur adnumerandae sunt species sequentes hucusque sub *Tngonella* enumeiatae et quae ab ea ut a *Mehloto* legumine piano numquam roshato nolisque praecedentibus differunt *Pocockia* propius quoque accedit ad *Medicaginem* mediante *Poc Ruthenica* et *platycatpa*, quas auctores jam pluries *Medicagim* adjunxerunt, sed mimento, nam lugac trans^ei<nc paillelae suturaeque subcannatae, quae in speciebus citatis facile observantur nee in *M falcata* occurrunt nee in *M hyVnda* Boiss (*Tngonella hybnda* Pourret.) nee in ulla alia *Medicagmis* specie Praeter species ultenus describendas sequentes *Pocockiae* idscnbendae sunt

IMEMCAGO RADIATA L = POCOCKIA RADIATA Trautv

* TRIGONELLA LUNATA Boiss = POCOCKIA LUNATA Boiss

3 TRIGONEI LA BIFLORA Gris>eb = POCOCKIA BIFLORA Boiss

I TRIGONLLA OVALIS Boiss =. POCOCKIA O^ALIS Bores

"> TRIGONELLA GLOMERATA Hort Paris = POCOCKIA GLOMERATA Boiss —italic *hiachycmpa* Fisch — *Mclil glomciata* lisch

b TRIGONEI LA AUCIIFRI = POCOCKIA AUCIIERI Boiss

7 TRIGO^LLA RUTHENICA L = POCOCKIA RUTHENICA Boiss — *Medic Iluthenua* Trautv

H TRIGONrLLA PLATYCARPOS L = POCOCKIA PLA1YCARPOS Boiss —*Medic platycarpus* Traulv Ledeb

» TRIGONLLA ELLIPTIC A Boi^s = POCOCKIA ELLIPTICA Boiss — *Botryolotus Pei sictis* Jaub 8L Spiel)

10 TRIGONLLIA CACHEMIRIA Cimb = POCOCKI\ CACIEMIRICA Boiss — *Botryololus Cuchemnicus* I tub L Spnch

II POCOCKIA KOTSCini Boiss Dngnos plant onent nov IX p 12 f— *Glabernma* cuilibus creclis chtis teictibus lainobis folns pctiolo bievion sulTultis, foliolis crassiusculis ngidulis pallide virenilibus breviter cuncatis obtusis vel iruncato • retusis obimngularibus clevaum nenulosis, margine mtegnis superne denticulatis, nervo oxcurrenti broviter mucronuhtis supulis hnean-setaceis brevibus indivisis racemis 3—6-ftons subsecundis pedunculo ex axillis supenonbus orto folio quintuple* longion suffullis pedicelhs flhfoimibus caljci aequilongis incurvis flonbus nutantibus magnis calyce ghbnusculo, saepius cacrulescenti bre\iter obcomco- campanulato dentibus subacqualibus a basi linean- subulatis, tubo paulo bi cvionbus vexillo alis cannaque subieqmlongib legumine oblongo-clliptico lecto piano calyce Inplo longion, pilis sparsis brevissimis hirtello basi rotundalo apice acutiusculo, nervis parallehs anastomosantibus transverse et dense striato suluia semimfera cannato-subalata. mferion *>ptara seminibujj duobub oblongis — *Tngonella lytidocarpa* Boiss — Crescit in monto Totschal propc Teheran

11 P. ARABICA Boiss 1 c 13 f— *Annua* glabi mseula pluncaulis caulibus brevibus anRuldtis creclis vel ascendentibus folns petiolo phno, foliolis paulo brcvion sufTultis lohohis cuneato-obcordatis apice denticulatis, nervo excurrente mucromtis stipulis •ninimis semiovatis profunde et argute 7—9-dentatis flonbus 2—8umbellatis nutantibus pedunculo ex axillis supenonbus orto folus longiore apice inter pedicellos bre^ter mucronato suffultis pedicelhs capillanbus hirtulis calyci aequilongis calycis J>ic\iter campanulati dentibus tnangulan-Ianccolatis, parce hirsulis tubo dimidio bre^onbus corolH pallide ochroleuca, calyce quadruplo longion vexillo oblongo, apice ictuso ilas cannamque superanti alis lineanbus obtusis, cannam sublinearem rectiusculam, apice violascentem fere superanubus legumine glabro piano linean falcato obtusiusculo basi subsiipitilo, 6—8-spermo norvis iran<?veisis paillele> ele\aiis dense

stnato, nrno margimū ulunq̄ue in ciln 2—3-sPinlia tenuia ngidula siimplicia \cl biflda basi subdilanta. diamciro fiiHlus mplo brcuora abcunli, bumimbus oblongs subcompicssis, sub lente tenuissime tubcrrulato-puneialis — *Ingonella toalma* De-lile. — Wlpis Report I 637 no 3 — *li iultn* Schcuk — Wlprs 1 r I 638 no 15 — Ciciul HI tola Arabia peiraca, in vallibus Sinai rara, ad fines Pahcstinac ad inn I-diem Gaza \ulgatissuna

6510. RUEIJIHIIOTUS *Tournef.*

(DC Prodi. II. 186 — Wlprs Repcit 1 638, Annal I 223)

1. M. [*Cocloruhs*] ARMLNA Boiss Dia^nos plant oiicnt nov 1\ p 11 + — liicnno glabuouscula caulc tlalo angulalo virgalo nmo&o ranuaqut dmnisculi<> sii clis foholis oblongis olilulus argul< ilciiliculaUs, cle\atn cl parallel ncnulusis, icumlii niajon pciululato stipule scaccis inicgurunis, pcliulo tlnnidio acqulionis lacimib U\>, d» uiquc clongiliN pdictllis <al\i a* <ui(un)j> Itnittuli &ctj< a suiluUis, apxt tui-\all^* fluuil)is nutantibus llaM^ \exillo alas carmainq̄ue piulo supciantis, alis ciunaju .itquaiitibus Ityruoiinc glabio uvato aculo niucrunato trans\cisc cl giosse rugosopluato id sului nm bupciioiem obtuse cannato — Credit in Aimcna, m Mesopotamia inter Oila cl Sutrck
2. M IILTMIOFHYLLA Stbcclo, Linn tea V\I 571 f — Radix fii^iformis fauhs ILL-biiLutt <rtUus, basi raiiosub angulalua pubtiulii6, deniuni ghbralu^ Stipulae Iauccolato-subulntie mlcgciumat linibnalo-cilialac. Pclioli sulcaii pubesronles, folium acquantcs Foliola pennintrvia, npjco tiun<ata deuliculala mucionata, basi cunrata mtcgdiinij, supra ghbra subtus ulpns^r jmbuula, mfcion diltoidcu-obo\ata obsolete dtntita, supcnoia liricui-oblongn, aigutc dtniculata lidccmi florilen eitcli abbreviau ftiictifcn patcnles 5—15-lloa Kractoc c basi lation lanccolato-subulalao pdicello biL\iorus Pcdicclli calyce breviores, fiuctitcn crecti. Caly< i> ^ix pubciuli denies ittibacqualcs umnom* iituti, lubo b^cMO^c^ Coiollac flaoe, alac (annani aequantus, vexilhim apice intrgrum subaequantcs Legununa oiccti dispcima subglobozn reliculato-rugosa, brevitci roslrata pubescntia flavo-Mndia Scmina oibnulaiia compie^sa badia tenuissime granulala — *M. bcapolUanu* Botlcii (nun Tenure) — Grescii in insula Lessina DaUnauac

6511. TRIFOL,IL^I *Tournef.*

(DC Prodr II 189 — Wlpr* Repcil I 639 II 850 Y 512, Annal I 2-tt)

- 1 TR [*Layupnsl*] PAMPHUJfUM Dois« & lfcJdi *Magnos plant oneni* nov)\ p 20 f — Annum caulibus lerclibus adpicssc Imsuits, folus minulis bievitei peiulatis, foholis adpressr hirtis hncan« i llipticis uiicgus, stipulis paiule lursuiis nngusiis oblongo* lineanbus j>ubstanosis nirvosis, cauda brevtesima scacea lcrmiuali!» t ipilulis* o\alis biacloatis, fiucliftrib oblongis densis ciljce tubuloso dense el lon^p rufescenti-piloso. dentibus acqmlongis sptaccis villosis roctis, tiuciiifous paiuhs, tubo obsolot< stnaio scsqulionionbus, lauce margine tomentlla corolla puipuiea cahce scsqtnlongioii \exillo angubtc linean alas multo supeianli alis caiina apice subailcnuala longionbus — (resell in artnoN^ Painplnliac ad flu\ium MLIJ* infra Monaigat
- 2 T DICHROAbTIILM Uui&s. I t l» 20 f - Annum taulibus. leicubus procumbentibus pilis giiseis adpiessibuculis magis minus\c busulis, folus lnftnuubus lougius* cule pcliolais, foliolis> tlliptico-Iiicaiibub oLtu^is saepe subli uncalis. pilis adpiessis-siinis micaniibus utnnque ob^jlu., slipulis paiule luuiUis, oblongis &ubiuffalis scario&i^ ncnosis. cauda bievissima bclacca lenninais, capiuli^ pedunculo folus bieuoiu suf fuliis, basi nudis, nonfoiis o\atis, fiuctil< iis> cylindiici.^, caljce pilis longis munnis sub anlbesi adpie^sis, dem palulis biisulissimo, denlibus selaceis, tubo uigio-s>trifl¹⁰ jinulo longionbus, jofenon paulo loDgion, omnibus leclis dem fiuclifens crecto-P^{an} lull6 corolla anguste Imcan, mfeine purpuiea, supetuc pallide camea, caljce **trip^o** longion, vexillo alias lerim paitc longion, alis caiinam acutiusculam paulo **superan^o** Ubus. — Crescil in collibus Judaeae tnco ba/nm

- 3 TR *PIAESNUM* Boiss I c 21 f — Annum cūlibus pilis griseis patulis longis molliter luspidis tereibus foliis saltern infcnonbus longe pculatis, foliolis patule et breitor lūiis oblongis vcl elliptico-linearibus obtusiusculis stipulis hirsutis scanosis cūto-oblongn nenosis subinlilis in caudam seliceam us subaequilongam subito contnetis capitūhs pedunculo brevi sufTultis vcl foil is supremis Involucratis ovatis, mndem oblongis cahco pilis gnseis longis densissimis erecto-patulis hispidissimo stucco -nienti, dentibus selatus bispidis lubo paulo longioribus, jnfenon sublongion lost antlicsin dt(1(\o corollae albiilc caljcem \ix quaria pane excedentis ve\illo anguste Imoari alas iculiustulas term pine excedenti enna aculuscula nlis paulo brevion — Crescil in aicno&is cnca Gizani Pihestimo
- 1 Tit *PLTITYMUM* A RILII Tent flor Alnss I 168 — faulibus ciespiosis ramosis hunnlulis lamis tcioibus saepius glabris foliis poiolatis foliolis mimmis obcordalis in putt supei loio dcnl/cuhlis in cinirginatum snepius apicuhlis ghhris nervosis, slipulis scmndnalis pirtc supcnoc hntcoht s icuiissimis tlonbus majonbus pedic oil ais erectly subumbellulati* umbellul i 3—h- flora, pedunculo commum loins longion piloso sufTultn biacteolaia brdctcoli^ minima callut> tubuloM 10 - strfffi lacinnis lanceohtis aculis ciliolatis tubum aoquantibus, coiolla tnplo brevionbus leguminibus . ?—*Tiigonella caespitosa* Steud mss — 4fYlie Tr *scmipiloso* Fiej» —Habitat in Abyssinnp piovmous Ouodgrale ft SemiLnd
- > TR (*HYPTOPODIUM* Sicudel mss ex A Ricb 1 c — Pilosiusculum caule a basi ramoso piocumbente rtmis flifornubus foliis mimmis subsessilibus, petiolo cum stipulis connato el eas vix superante foliolis cuncalis truncatis denticulatis cliatis nervous espilulo 10—112 floio pedunculaio flonbus purpurcis vix pedicellatis calvtis corolla tnplo bie\ioiib lacmiib subulatis Mitosis leguminibus ^ — Habiiat in Aliyssimae JIOV Seniend
- h h\ (*EutnphyUum* J DAI TICUM Doiss Vo\, bot App p li) f — Perenne caulibus isccdentibus glabtrnmis paico nmo^ib. folns longo pcliolalis petioh> pilis dc-llCM> bispidis folioli*. ulnnque adprt^se vclulims o\itis rclusis sub lente minute et obsolete deniculalis slipulis glabtrnmis lancoohn oblongis \alde stnatib usque ad ³/₄ petiolo adnrris apite brcMitr linngnhi bu* soiacco - anstilis. capitulis magnis globosis anllanbus el termmlibus peduntuhtis foliis supremis Involuentis foliorum lloralium foliolis ellipticis pan is sacpe sollnms stipulis bractciformibus liti* ovatorotundis breviter acummatis calve paulo bicvionbus calycis hirsuti lubo obsolete sinato dtntibus sotnccis pilosis quatuoi supenonbus lubum calvcinum oequintibus supointibusvt inf<noii duplo longion coiolla ocbroltuca calve tnplo longion >oxilli lamim oblon{o-hnc<oldti alas excedtnte alls tanna longionbus — Aflne li *orhioliuti* — Ihibitat in Hi pama hcis s\l\auus propc Sin Roque
- 7 TR *JIIHYNHUM* Uoiss Did{gnos plant orient no\ || p 21 f — Perenne adpresse pilosulum ihi/omite sulTiutesccnti caules plures ascondentes simphces subangulatos c<dentu foliis petiolo plornmque us bieieion sufTultis, foliolis oblongo-ellipticis obtusis, elvrtum tt dense nenubpsis supra glabns subtus pallidionbus ad nervum medium ^{ln}ir,mcmmque tiliatulis cacterum glabns slipulis lanceolato-linearibus acuiis nervoso-sulcratis pnrlc libera longion capitulis geminatis ovato-rotundis foliis supremis mvo-lucruis calycis lubo ghbro 10-nervi denlibus setaceis patule et parco hirsulis, tubo *uquonfo* rruccifens patenlibuB infenon aliis vix longion fauce pilo* corolla ro-sa cnlyce sesquolongiori vetillo alis aequilongo, canna paulo brevion — (resell in *sylvaticis* rogioms mediae Olvmpi Bithvni
- 5 TU *CAUDATUM* Boiss 1 c 22 f — Perenne s<cus caules et petiolos pilis p-Uulo-•cllevis subviscidis densis brevibus molle caulibus ascendentibus vcl procumbenlibus longatis crassiusculis parce ramosis folin longe peliolniis, foliolis o\otis rttusis subsessilibus dense nervulosis sobintegns adpressitiscule hirsutis \iscidulis slipulis hispidissimis infimis basi anguste Imeanbus In caudam linearem folmreim superne ^{sa}l<- subdilataiani obtusam parte adniti 1—i-plo longiorcm allenualis capitulis lerrunalibus solilarns breviter ovniis folus bims eorumque stipulis involucratis caljce pilo8ulo 10- nei\i dontibus hncoohio - *nbuhti< unincrvns 4 mfenonbus nigricantibus

- lubo albido acquilongis, supenon paulo longion, fauco bievitei flmbnata, corolla purpurea calyce tuplo longion, vexillo linear subrecur\o alas longe superanti, alis canna sublongionbus — Crescit in heibidis partis supeuons moniis Mesogis supra Tralles in Lydia
- 9 TR CASSIUM Boiss 1 c p 23 f— Pcionne, adprossissime canescens caulibus pluribus piocumbenubus vel ascendentibus longis teretibus, folus longo petiolalis, foliolis amplib elliptico-oblongis Inlegns, inter pilos adpressos utnnque glanduloso-punctatis, infoionhu* integns obtusis, supenonbus angustionbus elliptico-lanceolatis acutis \el mucionatis., obsolete denticulatis, stipulis lanceolitis sensim aiienuato-acuminatis. apice sclatcis, pane libeia duplo saltern long-ion, cipilulis pnusrotundis, dein oblongis, supra lolia supciiora breviter pedunculalis sessilibus\c, cal\cis tubo adresse hirsuli¹-simo obsolete dceemnciM, dcnlibus lane* olato-biibulatis limemis, 4 supenonbus tubo aequilongis iocii[^]. infonori2—3-plo longion deflevo, fiucc innulo \clutino coarctali coiolla pallide rosea, calyce Inplo longion, \c\illo lincin alis cannam acutam sub-supoiantibus longion — fiescit in sjlvaticis legionos mferions montis Cassn
- 10 TR ALIJI TUM Boiss I c p 23 f - Annum caulibus breubus diffusis palule lomentcllis foliolis adpicisso pilos ovatis obtu[^]is obsolete dcnliculatis, stipulis laucolatis acutis, pnito libcia sublongion, capitulis ovalis, fiuctifens ovato-rotundis, brevitei pedunculalis cahce llonfcio bioviier tubuloso adresse lnrto dentibus rectis lanceolato-subulatis, supenonbus lubo acquilongib, infcnori subduplo longion, calycis fructifen lubo 10- sultato-sinato o\aiio-compicisso, dentibus bicuter iriangulaiibus acutis patulis tiincrvus, infcnon lon_oion, fiucc (husa, coiolla ochiolecuca linear, caljcc tnplo longion tandi in decidua MMIO nit cannaque aequilongis longion. — Cicscit in siccis Antilibuii inlci Ritbej i (t IJimasium
- 11 Til FH K VLLI Uoiss et Itldi 1 c p 2i f — Annum, pilis parcissimis brevibus adpressis birtulum caulibus protumbcutibus filiformibus lercibus clongalis, foliolis ovatis obtuse, basi cunc His, nems utnnque VLISUS maiginem cunatis parollelis clevalis crebns obsilis, obsoh to d(nliculalis slipuhs panib c basi inangulan abtuple et breviter scateo-caudatis capilulis longe pedunculatis, folns jummis biactealis, (lonfeis ovalis, frudifuis oblongis, cal[^]ci* tubo decemsulcato-sinato, basi laleic suponoii penicillnto -piloso, cicteruin parec lintello, dcnlibus lanccolalo-subulatis ngidis, nenn albido valulo pcreursis, duobus suVerionbus tubo icquilongis, infcioribus lon_hionbus calyce liucufcio auclio subiutiab[^]alo, dentibus palule squarrosi[^], faiecc iiiiinulo inflate b'ldbro toudiia coiolla pillide cainea gimopenla, caljce subduplo longion [^]evillo subiciuivo ihs superanti, alis cannam mucronulatam paulo superanlibus — *lufolium inlundilohum* pi fa\gcl e\ non Fl Giaeca — Grescit in sa\osi<s fiucis Paion Ta[^]geti pi ope Mistia
- U TR. QUARTIMVNUM A Rich Tcntam lloi Abyss I Ib9 f — Caulc eiecto ramoso, In mo stiialo pedali glibro, fol^h«» peliolatis, foliolis pctiolatis oblongis, cliipticis, sub-oblusis, marginc dcnliculatis, ghbns, ncivis lateralibus subparallelis crebns, stipulis niembianaccis, nisi apice petiolo adnUis, oblongis, neivosis, apice libro lanceolatis aculis, flonbus sat magnis, jiuipuieis, capiluh b'loboso-dcpicssa mvolucrata peduncuhla axillana cfloimanuhut, involucln biacteis 5—6 ovalibus, nervosis, obtusis, cahce dimidio breMonbus, caljcis tubuloso-cimpanulali dense stnati glabn laciniis lanceolatis.aculissimis subaequalibus, legumine oblongo acuto compicisso lubum sub-acquante 1—2-spermo. — Habitat in Abjssinu m convalle IUMI Taccaze*
- 13 TR ACAULE Steudel mss ex A Rich 1 c — Caudicc crasso longo. caulibus suffruticosis brevissimis caespitosis, ranus clongalis procumbentibus foliolis obo\alibus oblongis angulatis glabns obtusis mucronulalis stnatis, stipulis clongatis linearibu* angustissimis, flonbus subsolilanis aut 2—4 pedicellalis, unolucio commum cinctis et pedunculo commum bievi axillan imposilis, calycis tubulosi glabn subiuflati stnati lacinns hnearibus tubo subbreuionbus — Habitat in Abjssinae provincia Semicnc
- 14 TR (*Tichocephalum*) ERIOSPHAERUM Boiss 1 c. p 25 f — Annum, pilis adpressis nncscens caulibus clongalis diffusis angulalo-smalls, foliolis obovato-

cuneus oblusissimis obsolete denticulalis, stipulis semiscanosis ovatis obtusis mucionulaus jntcgns, capilulis oblongis basi attenuatis, fructifera globosis, pedunculo folio aequilongo vel sublongior suffultis flonbus sessilibus exlerionbus coollatis. calyce lubuloso longe et densissime albo-lanato, dentibus tenuiter selaceis aequilongis rectis, tubo paulo longioribus, corolla calyce sesquilongiori veisiclon, basi rubella, apice (iriieo-llauidd \c\illo oblongo-lmcan alas canna longiores superanti, flonbus micrioiibus stenlibub mutatis in setas apice radiatim et bonzonaliter quinquefla* longe densaque lanalas, in capitulo fructifero expansas mlricatas globum dense et inolliter lanatum formantibus semine ovato - compresso nigro — Crescit in herbis Palastinae piope Hiuosoljnam

- 15 TR (*Tnfoliasium*) CILIOLATUM Bntb Plant Hartw p 304 no 1697 — Annum erectum glabrum gncile stipule falcalis intigus, foliolis cuneato-oblongis vel infenonbus obovaib, capilulis longe pedunculatis, per anthesin ovalo-globosis, demum depressis flonbus pedicellatis demum reflexis cahcis denlibus lanccolatis acutissimis, margine scanoso laceio-cihatis, supremis mavimis, corolla bievionbus — Habu foimae majou *I gaulen!* simile, calyce facile distinctum Specimina adsunt scmi-pedalia ad pedalia Gaules teretes laeves folia majoia pollicaria, pleraque tamen inulio breviora Stipulae latiuscule lanccolatae, ad medium adnatae, superne falcaiae acutissimae inle^ofemmac vel supremae mmule sculato-ciliatae Pedunculi crecli 2—4-pollicares rigiduli Capiulum floienj* 5 lin longum densum exinvolucratum, flonbus brevisime pedicellatis eictis, fructiferum 6—8 lin diameiro, calycibus a pedicello 1 lin longo iecui^o pendulis purpurascenlibus Calyx 2 lin longus, tubo brevissimo, dento antico duobus noscis plus dimulio minore, lateralibus intermedus, omnibus a basi fete ad apicem lacero-ciliatis Vexillum ovalum acuminatum 3 lin longum, interdum denticulatum Alae bieviores angustae acutiusculae, quam canna obtusa paulo longiore*. Legumcu ovalum, calycem subaequans mono-optimum — Crtscit in Caliloimae pastuis vallis Saciamenio, et inter San Miguel et Santa Daibaia
- 16 TR ROLMLRIAMJM Sebcecl, Linnaca XXI 460 f — Caulis repens angulatus Stipulae membranaceae ovalae nervosae cuspidatae, petiolo nullo breviores Petioli clongati glabn folio longiores Foliola brevissime peliolulata obcoidalia basi cuneata pennnecivaa, ulnncq glabia, apice obsolete denlata, basi m teg em ma, venae lectae maigine aequales Pedunculi avilluc pubescentes folio duplo longiores, pube palnc Capitula bemispbaenca pauufloia (10—12-flora) Pedicell post anthesm deflexi, intenoics calyce duplo longiores Calyx beibaceus glabei fauce nudus corollam dimidiam aequans, denies tubi longitudine lanceolati uninervcs jnaequales, 2 j>upeioies longioiet. loiolla glabia lo[^]ea, vexillum subiotundo-obovatum, longitudinaliiee mullistrialum alaium longiludine alae cannam obtusam crostratam vix supei antes Legumina .. *t* — *I. itiflexum* Romei non L — Crescit in Texa.
- 17 TR JLRVULOSIM Boiss, cl Heidi Diagnos plant orient nov IX p 25. f — Annum glabrum caulibus icneus erectis flexuosis, foln& petiolo us aequilongo vel biovion suffultis, foliolis minulu> cunealo-oblongi* vel linean - cuneatis argute denticulatis clevalo-ner\ulosis, stipulis cenlio scanosis, maigmo herbaceis semiovatia obtusis nenulosis aigute denticulatis, propo apicem usque petiolo adnalis, capilulis ^o^atis densis, pedunculo follis pluncs longiou suffultis, flonbus sessilibus, bracteis ^ad squiniulas tndentais vix lente perspicuas reduclis, calycis glabn tubo albedo valde sulcato acute decemlnato obconico, dentibus viridibus lanccolatis in mucronem attenuate nervoso-cannatis, tubo aequilongis, calycis fructilcn squanoso- patentibus, toiolla carnea calyce plus duplo longior, vexillo recto linean apice retuso, canna ohusa duplo longior, alis cannam paulo excedentibus, legumine calyce longior ovato compresso obliquo, basi in stipitem brevem attenuato, apice gibbo rosti o lateral! ei aequilongo obsito, semine oblongo — Crescit in herbis siccis colhum ad Alaya l'haniphjliae et in arenosis ad Gazam Palaeslinae
- 18 TR GALILAEUM Boiss 1 c pag 2b + — Annum glabrusculum caulibus erectis leniibus angulatis simplicibus, fobis petiolo aequilongo \el bieviore suffultis, foliolis

inforionibus oblongo - ovatis , supcnonbus lineaubus, omnibus subsestihbus **elevato-**nervulosjs oblusiuscule denticulatis obtusis stipulis ovatis \alde neivulosu* acule denliailaiijj, praeler mniginem viesscenlnn albo-scanosis, supra medium peuolo ndnalis, apice unngularibu* acutis capilulis globosis pedunculo folus* multoicis longiori suffulus floubus srssilibus bracteis nd squamulas lectite tantum conspicuas brevi^sinm ileiunulaia» reductis, caljcis lubo albido glnbro obconico profunde d<cemsukato sinatoque, dcnlibus undibus subulalis longe nuicronato-aiicnuatis, lubo longioi **ibus**, >>ost anlhesin piaesorlnn squanoso-patonlibus, sinubus mioi dentes margine ciliatis corolla calyce plus duplo longiori ro^ea, vexillo oblongo-lineau obluso, tanna duple longion, alis cauriam excedentibu?, legumme caljcem non excedente obovalo comjresso, bap̄i angusialo, apico obluso gibbo oblique slylo eo longiori rosliario semiuo oblongo comjtrcso — Croscit ID Gablaea cuca Banjas

IS TR MODESTUM Buis 1 c pag 27 + — Pciennc glabrum taespito&uin subacaule foliis longiuscule ot itnuilci pcliolalis ad caudiculoium apiccm congests, folioli^ p<-tiohilaus obovalis |t| cuneato-obcoiduis patM> ele\alim et dense nenulosis cicbic dnniiculatis stipulis scanosi^ longe lancoolaio-acuminatis capitulis pauciflons pedundilo folia aequanti suiTulus, biactci* membranaceis minmns <alyco tnplo brevioubu>> 3—4-dcnlatis, pedicello hirto, caheo tnplo br<i>iori, cal>ce adpiesse hirs<uto obconico neivuloso, denibus subulatis subaequalibus, lubo dimidio brovionbus, corolla carnoi cahco duplo longiori, vexillo oblongo alas canna longiores supcranti — Croscit in dechvibus Libam supra cedros.

20 TR RVDKOSUM Boiss 8c Hohrn 1 c pag 27 f — Perennc glabiescens vel patce Jnrldliini ilu/omate crasso li^nosu votlicali ramoso, apicc caespitoso cauibus flifloruibus piocumbontibus loins indicilibus nuaierosis, cauibus paucis, foliolis parvis o\ali^ subscs.ilibus, basi cuneatis obiu^c dpnticulalis, slipulis. albidis bre\ibus semio-\alts ad % usque peliolo adnatis, apicc triangulanbus, capitulis globosis pedunculo foliis. pluncs longion suffulus pedicellis. calyce tnplo brevionbus, ba^i biactcolis nnnjmi^5 squamifoimibus denticulais suffultis, flonbus pott anthe^m delloxij*, caljcis adpressiuscule liusuti dcnlibus lauccolato-subulalis> aequilongis, tubo sublongioubus, corolla intense purpurea, cahe duplo longion, vexillo oblongo exlicinilate subrecur'o ah*, longiori, carina recia apicc m muoronulum attenuata, alis VIY bievion — Crescit in summo jugo Atsche Pa>ch montis Demawend Prr^iae boi calls

21. TH (*Vesxcasrum*) SC LERORRH/UM Boi^ 1 t pag 28 f — Peipnne, pilis **patulis** bibpidulum radicibu^ tenuibus elongilis tcnaci^simis e collo indunito caules plures bre\os flhformes piocumbenles angulalo-Juntos simplices edentibu^, foliis petiolo us longiori suffultis, foliolis glabm bicMssime petiolulatis ovatis vel oblongis obluso, dense nervulo^is* minute soirulati b̄ipuli^ semioblongis pctiolo ad medium usque adnatis longissimo acummatis; capiulis globosis pedunulo foliis aequilongo suffullis pedicello hre\istiinio basi bracieola \ix petspicua membranacea tndenticulata suffulto, caljcc glabemmo, flonfco anguste tubuloso-slrulo, labio supenore brevissimo truncato, margme utroque 2 dentibus subulate audo, labio infcnori tubo longion lincan infra medium in ties demos subulalos dnrgenti-paiulo^ paitilo, cahec fiucufeio m-flato-globoso elevato-reliculalo, dcnlibus MibdilaUitu Lmccolato-subulatit* maequalibus patulis cjus diametro aequilongis coionato, coiolla tosea calves dentos ||| tcitin pane supeiante: \c\illo hnean retu>o. ah> longe superanic alu.cannambievitei micronalam paulo superantibus. legummo oblongo ^lylo longe mucronato. — deceit in rupe^inbus siccia Antilibam cuca Rasbcja

22. TR. MORIFERUM Boiss 1 c pag 28 f — Annuum, parcissime hirtellum caulilius numerosis brevibu* prostialis cacspito^is, foliis parvu* peuolo brevissimo suiTulus loliolis subsestilibus rigidulis glabns o\ato-cunoatis obtusis dense et elevatim utrumque multistnatts, circumcirca minute et crebie denticulate, denticulis ascndiombus mucronulatis*. slipulis subscanosis multmervns lanceolate, ultia medium petiolo adnana>, superne acummatis, capitulis flonfens breviter basi attenuatis, inter folia subsestib* fructifens oblongo - cylindncis densissiiuis, pedunculo elongaio j>ulcalo, »^s aequilonff r^f1|! flonbus sessihbus; biacteis ovalis mucronatis doiso virescenU-

bus multinervis, margine albo-membranaceis, calyce dimidio brevioribus glabris, calyce flonifero tubuloso adpressiuscule hirtulo dense stnato, dentibus lanreolato-subulatis, tubo qmntuplo brevioribus, fructuifeio inflato tuibinato, inferne longe atenuato ptaeter dentium basin hirtulam glabro, corolla rosca calyce sesquialongior post anthesis scinosa persistentii, vexillo post anthesis reflexo, nris aequilongo ul eae obtusiusculo fructifro tenuiter sinato, caena paulo breviori, legumine papyraceo ovato sessili stylo eo quadruplo longior teimato, semine ovato flavescenli — Crescit in arpnosis legionis superioris Libani in wa a Zachle ad regionem Kesraouan diclam alt 5000 — 6000 ped

- 23 TR SUBROTUNDUM Steud 8t Hochst mss ex A Rich Tent il Ab\ss I 11 i f — Caule rimoso ciccto aut dilTuso glabro pedali (bins petiolalis, foliolis late obovalibus am orbiculnibus oblusi&simis tiuncalis aut subemarginatis, basi cunealis, margine denlicuhu* glabns siipulis laws membranicipis scmiadnatis, basi in vagmam brevem laxam coilitis pane liben acutis, miogns flonbus parvulis purpureu>, bie-Mssime pedicellalis, ba*i bracteola linen i Mibuhta sulTultis, in capulis globosis longe peduncularis mullilltffis disposals ptdunculo glabro aut piloso, calycis tubulosi strnti lacimis lanceolads acutis tubum bubicquanlibus, imagine pilosis, legumine compresso, apiculato, 2-speimo, caheem aequinte — *Tngonella maiginala* Hochst 8c Steud mss — In Abvssmrae pioy Cure*
- 24 TR UMBELI UI ATUM A. Rich 1 c 172 f — Glabrum caule erecto a basi ramoso pedali, ramis reclis terelibus fulns petiolatis, foliolis saepius ellipticis obtusis ransime subovalibus, argute serrulatis siipulis partim petiolo adnatis membranaceis, interne connatis et \aginam apice dilataiam nervosam efformantibus, parte supenoro libera seniNnali acuminatis, flonbus caeruleis? breviter pedicellatis, basi bracteola liuncila suffultis et umbellulam 3—10-floram efformantibus, erectis, calyce tubuloso 10-sinato 5-fido lacimis laceolatis acutis tubum paulo superantibus et corolla parum brevioribus legnminibus coinjuessis elliptico-oblongis apice lateraliter apiculatis, 5-spcimis tubo ciljcino duplo longioribus
- 25 TR (TMGONLLLA Hochst a Stoud mss — LOXOSPERMUM Hochst mss) SCHIMPCRI A Rich 1 c 173 + — Caulis erecto 1—10 uncias alto simplici aul saepius ramoso lanus eiectis tertibus glabiuscudh folu* petiolalis, foliolis sessilibus lanceolnibus angustis mirgine inlegns, apice obsolete 3-dtnlalis glabns, stipulis longis meibrinaccis, basi connatis, apice hbtio subulalis flonbus maximis in apice pedunculi axillans solitanis, geminis termsvo, raurus magis numcrosis, roseo-purpurascen-tibus calycis tubuloso-campanulas nervosi Jacinns longis lanceolatu anguslis nervosis, COIOHIAIX bicMonbus. glabns ahsvexillum aequantibus leguminibus oblongis. apice acumimtis, calyce paulo longioribus, membranaceis, 8—10-spermis, semibus ovoideis compressis — Habitat in Ab\ssinia in campis lmcultis prone Adoua (Cf. I 226 no 1)
- 26 TR (*Lupinasler*) MULTIN* RVC A Rich 1 c 175 f — Gaule erecto ramoso terey g\bro ^—10 uncias alto foliis pcliolalm, foliolis sessilibus oblongis acuiis, argute denlptis, raruis obovali-oblongis obtusis, nervis lateralibus obliquis parallels, stipulis semiadnotis tenui-membranaceis, nervosis, basi inter se coalnis. pane supenorej^ens lanceolatis acuiissimis pedunculis axillanbus folio brevioribus. apice 1—6-flons, flpjibus umbel-^lato-capuatis \ix pedicellatis basi bracteola brevi truncate supatis. lubo calycis te-^{rp1} oblongo snato, lacimis limbi lanceolatis acuiis, piloso-ciliatis, corolla brevioribus legumino oblongo compresso apiculato, tenui-membranaceo, calycera vit superante 8-^speimo bivalvi, semibus oblongis utnnque obtusis sublerelibus — *Tngonella mult%-ncnis* Hochst fit Sleud mss — Habitat in Abyssimae provincia Chird locis humidis
- 27 TR (*Chimoiennum*) RYTIDOSEMIUM Boiss 8c Hohen Diagn plant orient nov. IX P 29 f — Perenne viride caulibus procurobentibus vel ascendentibus herbaceis par-^sssime et adpressiuscule hirtellis simplicibus elongalis, folns peliolo us aequilongo vel longjon suffultis, foliolis tenens glabris subsesaihbus ovalo-oblongis, ulnnque rotundaiis, apice saepe retusis nervulosis obsoleteissime denticulatis, siipulis late linea-nibus ad ²/_a longiudims peliolo adnatis, apice triangulanbus acuiis breviter mucronalis

penicillais caeterum nudis, capitulis ovato-rotunda pedunculo ex axillis supreme orto folia raultotics superanti, opice adpresse hirio suffultis pedicellis brevissimis, lobus defloralis deUeus calicis minimi albo-membracei glabro labio supenon brevissimo feio obsoleio, dorso oblique truncato, dentibus binis minutissimis tngulanbus, labio inferon tubo triplo brevion fere ad basin usque in tres dentes lineares pilis paucis pemicillatos diviso, corolla sicco pallide carnea vel carneo-florescente albida, vexillo calyce triplo longior oblongo concavo obtuso siriato, fructifero longitudinally sulcato. inferne dorso caninato, axis longior alis rectis linearibus canna recta obtusa duplo longioribus; legumine oblongo-spinalulato compresso basi ailcnuato vix stipitato stjlo incurvo eo paulo brevion terminato — Crescit in monie Totschal prope Teheran

28. TR STHOPHYLLUM Boiss I c p 30 f- Annuum multicaule caulibus procumbentibus tenuibus teietibus ramosis glabrescentibus fulvis adpressiuscule lurtellis brevibus peliolalis, foliis mfenorum oblongo-clipticis, superiorum anguste linoanhus omnibus acutis, apice minute denticulatis, terminali petiolulato stipulis oblongis acuminatis inicgnis mulunervus, ad medium usque petiolo adnatis, supenonbus eo paulo longioribus, pedunculis folio 2—3-plo longioribus capitulis magms ovatis, post anthesin oblongis, flonbus magms subsessilibus, prius erectis pallide carneis, dein deflexis, intense roscis, calicis minuti labio supuion dimidio breuon glabrusculo membrana(eo, oblique truncato, dentibus binis tngulanbus brevibus, labio inferon txtus piloso poirecto tinneri in 3 dentes lmean-subulatos ad medium usque diviso, vexillo calyce fere quadruple longior oblongo-spailulato obtuso alveo nervulo, maigne circumcirca denticulato, dentibus infcnouibus acutionibus, basi vnlde <ariiato-plicato alas superanti post anthein scano alis oblongo-linearibus rectis divergentibus, canna multo longioribus, canna minima lecta superne longe attenuato-acuimnata margine inferon seirulala legumine longe stipitato e calyce exserto roimmo oblongo membranaceo, semine oblongo subcompresso laevi — Crescit in aicno&is Palaestmae circa Gazim

f bpectes male desenptae quoad sectiones aegre extttcandae

- 29 TR TLNUE Clemonii, Atti della terza numone 521 — fnule brevi ramo prostiatio. ramis sunphcibus diffusis prostrato-ascendentibus, petiolisque villosis-tomentosis. foliolis inferioribus obovato-cuneatis, caetens linear-obverse-lanceolatis nervosis nprice dciintis glabrusculis Mipulis linon-subulatis pilot in capitulis subrotundato-tiuncatisllonbu!>quo sessilibus calicis dentibus setaceis inaequalibus, corolla dimidio bipmonibus — Habitat in monte Ghujat (ubi?)
- 30 TR IINDLCORUM (Joss in Gay. Hist. de Chile (Hot) II p 67 — Glabrum subcaespitosum* caule lepente, arie smuoso conlorto radices mforme superne rainulos folnfero* omiltento. stipulis M distinctis scanosis poliohs vix pollionibus tenuibus, foliolis panig obcooidatis denticulatis pedunculis folu longitudiue, tenuibus uniflons calyci* tubo brevi puberulo, lacinus tubi longitudine lanceolate corolla calyce <ubtriplo longior flammea legumine * — Habitat in Chili
- 31 TR RI\ALE Gloss in Gay 1 c p 70 — Glabrum caule repente elongate infra radículas emittente, stipulis mgnib scanosis amplexicaubbus. folus 3—4, e stipule enatis inaequalibus, petiohs seimpollitaribus foliolis 3 panu obcordaus, basi att' nuatis, proluude emarginalis, denticulate*crenularis pedunculis raris, folio quadruplo longioribus, capitiulis unibellntis d cm urn reflexis (') bracteis lmean-acutisca puberulo grisco tubo brevi lacinus tubo duplo longioribus subulatis acutisirsais corolla flammea calyce paulo excedente, legumine . — Habitat in Chili.
- 32 TR STIPITATUM Clow in Gaj 1 L p 71. — Totum glabrum caule proArato fistula* canaliculate petiolis longissima, foliolis obovatis letusiusculis, argutissime serratis macula conformi vel irregulari albicanti in raedio notatis, stipulis scanosis oblong lanceolatis longe acuminatis, pedunculis folio duplo longioribus axillanbus multifloris flonbus capitum congestis, pedicellis linea brevionibus. basi bracieatis. lacinus calyce lanceolato-acutis auberectis. tubo brevionibus, legumibus » - Habitat in Chili

- 33 TR CROSMERH Closs in Gay 1 c 68 f — GUBrum caule repente brevi stipuhs scanosis ovatis longis, peiiohs longissimis tenui - complanalis, foliolis late obcordatis emargmatis subcrenulatis tenuibus pedunculo triplo longion erecto nudo floribus sub -15 - nis urabellatis bracieis scanoso-ldnceolatis, calyce tubuloso puberulo, laciniis tubo subduplo longionbus subulais, corolla igoea calyce non duplo longiore legumine ? — In f bill habitat
- 3J TR SIMPLEX Closs I c 69 f- Valde depauperatum caule repente fliformi fibnllas radicales raraque folia emittente, petiolis longissimis, iubcapillanbus debilibus parce pilosis. foliolis 3-nis subobcordiformrbus profundo tmarginatis deniatis glauco-vindibus 'pedunculo terminali uno longiswno tenuissimo, flonbus cnciter 15-nis subumbellatis cahce tubuloso puberulo lacinus subulatis tubo duplo longionbus reclis corolla ignea, calyce subduplo longion legumine ? — Habitat in Chili

6512 DORYCBTIOI *Tournef.*

(DC Piodr II 208 — Wlprs Repert I 647)

- 1 D AFFIXE Jord Giaincs rdcoltees au jard bot do Grenoble en 1849 p 14 no 2 f — Pedunculis* solitamx axillanbu* trnnnalibusque subumlateialibus erecto-patulis, folus circiter quadruplo longionbus superne vel imo apice foliolis 1—3 mstruculis, capilulis 10—15-flons caljcis adpiei.se pilo&i tubo campanulato pedicellum aequante, denlibu* lanceolate acuminatis sub icqualibus tubum acquantibus, vexillo calyco duplo longioie obovato apice obiuo, mferne in unguem cuneatum contracto, alis caiyce longionbus, \e\illo multo brevionbus lpsitfs lautudincm propter dorsum breviter gibbosura conjuncium aequantibu* sub anlhcsi baud penitus antrorsum coalitis legumimbus subrotundo-o\''Uis obtubis stjlo persistente inclinato mucronatis caljco longionbus, foliolis subappresbC pilosis tmcito-viudibus \el cantscentibus linean-oblongis mferne auguslatis apico ncutis \cl inns obtusiusculis caulibus ba^i sulTruticoidis diffusis ldmomssimib i unib dtii^ii i<>(indcii[ihus vel oblique ULUI* demum virgatib elongalis et longc noifciis. — Mores illu ininuii phuta saepe bi — tripedulis, aelatc robuslior — Habitat in ilumoMs ad up i^ Diuenliac pro». Avignon
- i D ANVTOILLM lioiss a Hcdr Dngn phut outnt nov I\ p 31 f — Basi suf-hutescens tolum mdumento dci)60 paiulo lomentoso hirlum canescens ramis herba-(eis subsimphcibus teretibus ascendntibus fohosis loins sessihbus ob slipulas foliolis similes pemaphUlis, foliolis oblongo lineanbus obtusiusculis mucronuldtis basi longe attenuatis subimequalibus capnulis U — 15-Oons rotundis, pe-iunculo folio axillan multo longion supra medium folio mmulo mioliohto instructo suffultis, in pamculam brevem secundam disposing pedicellis tubo cahuno aequilongis calvcis hirsulissimi denlibus supenoribus bim* trnngulatibus acutis, tubo brevionbus, mfenoiibus tribus lanceohto-subulais, tubo aequilongis vxillo subredexo, alis \alde gibbis paulo longion carina nigncanli acutiucula alis inclu»a ovano oblongo-elongulo acutiuculo⁵—6 o\ulato legumine ? — Crescit in collibus apncis inter Beychehr et Komaah silis

6516 IiOTCS *Linn.*

(DC Prodr II 209 — \Slprs Repert I 647 II. 853, Annal I W7)

- 1 L. (*Krokoi xa*) COCCINEUS Schlehdt Linnaea XXI 452 f — Annuus, sparsim pilosus tnuks ascendeotes parce ramosi potioh brevisslmi. foliola oborato-cuneata oblusa obtuse mucronata, supia fusco- seu mgro- minute punclulata, subtus glaucescentia. "tipulis simihbus lationbus mmoribus ramull flonferl uulflori, folium suum superan-i" (los solnanus subsessilis folium florale subaequans, colycis mferne aitcnuati lacimae angu^tae acummaiae, tubo suo longiores, curvaturam cannae paululum superaotes legumen erectum strictum conipresso-cylindricunl, apice stylo glabro edenlulo⁸«peratum, folio suo in\olucrante plus triplo longiu* — CresciV m No%a HoUaodia

2. *L. (Eulotui.) LinANOTICUS* Boiss. Diagn. plant onent no\ IX pag 32 f — Perennis toius patule albo-tomcniosus rlii7omalc lignoso lorluoso ramoso caules plures procumbentes \tl ascendentes flexuosos subsimplices cdcnti folns pctiolo us paulo brevion sulTulUs, foliolis ovalis \cl o\dllo-cuncatis oblUMis, lateialibus suboliliquis, stipulis o\atis, basi tiuncalis acutiusculis, peiolo acqulongis c<ipiuli> 2—4-flons ptdunculo foluj* 3—4-plo longion suffullis ex axilhs supeiioribus suWcumlib folihs* 2—3 tahcem subiequantibus involucratis, cal\cis dense ct longe flavescenti-tomentosi dentibus subaequalibus tiangulan-lanceolatjs. apice brcuter aUenualo-s>ubulatis, tubo dimidio bitvionbus corolla'paihde comca calyce duplo longion \cvillo ovato plicato rellexo alas late lineaias suffquadratas atquanii, canna obtuse jncuiva evtfemmate ascemlenli longe aitenuala nibello-violascuHi acutiuscula alas subsupcranti siigmate mmimo obliquo capiiato subbilabiato, Icgununo jiniou glabro tjlindnco calyce duplo longion st\lo longe lostralo — Cnscit in niontibus c.iltaicis Libani supia Eden.
3. *L. ALEPPICUS* Boiss I c 33 f - Peicnnis lotuj> patule hispidulus caulibus lenmbus foliosi* simpheibus, folns minulis puolo us bre\ion suffullis, foliolis ovatu* obiut>is. slipulis foholo pitioloque aequilongis o\alis acutinstulib, bnsi sul)coidatis vel oblique truncatjs, capitulis subquatnlloi i>, pedunculo loins aequilongo suffultis, basi bracieis tribus coljce brevionbus stipaiis taljci.^ patule hispidi denlibus c ba^i lanccolaia subulatib aequalibus tubo longionbus cot oil i c .siceo tosea, vxillo ovato alas oblongas supeianli carma alas aoquanti, subius lotundata incuna, apicp ascendenti atenuata acutiuscula, sdgmale oblique capitaio pilosulo legumine lincari-cylmdrico recto cahce 4—5-plo longion — (itjscil in S}na ad Aleppum
4. *L. LAMPUOCARPUS* Ooi^s I c 33 f - Peicnnis pilis patulis densis bie\ibus cine-lascens taulibus difTu!is vngalu> longis&imi^ i unosi^ terciibu^ folii* bieviiei petiolads, foliolis mnmorum obo\itis oblubi^ supenorum oblongi* acutis, slipulis o\atis acutiusculis basi latiore sat pe subcoi lalis. capituli* 2—3-llons, pedunculo folns 3—4-plo Lon^ion suiluliis, apice biaclcis 1—3 oblongis aculis exheem subxequantibus buflultis, cnljcis cineico-hispidi dentibus anguste lineari-subulatis, tubo obconico spsqulongionbus, infeiiioi dellexo corolla ilava calyce scsqulongion \e\illo nlas ovato - spatulatas subbuperanti cauna htcie infcnoui rotundala, apice altcnuata, alis vix longion siigmate ininuto obliquo capiiato, legumimbus lectis anguste lineaiibus subcompressib caljcc quadriuplo longionbus cinerto-nitenlibus quasi seuceis scd glabernmis, valvulis sepiaus, seniinibus minulis globosis vindibus — Crtscil in bumidis bcibidis Alticae ad Plialcrum
5. *L. CVSTILLAMJS* Boiss & Routei I c 34 f — Annue multicaulis caulibus procumbentibus rigidis filifoi mibus elongali* glabnuscuis a basi ramosissimis, foliolis oblongo-cllipticis acutis iubeicula(o-hnielli!>, tciminali majoi, stipulis scmiovaUj* aculis, lloibui> 1—3 minulis pedunculo tenuissimo folio duplo longion, apice 1—2bra^cleis inmutis oblongo-linearibus obsito sulFultib, cahcis Inspiduli denlibus lincan-sji''' bulalis, lubo sesquilongioubus ciecto-palulii coiolla ilava caljcc duplo longion. vexillo ovato akaj> obovaias obliquas supeianli cauna angulo leclo cunata paite supenon valdo aitenuala acuta legumine lenui cvlioduco, calyce 2—3-plo loojion " Crescit in arvis circa San Pablo piope 'lolauni in Uispama
6. *L. CARMELI* Boiss I c 34 f — Vnnuus pilis adpics*is!>imis spaisis sub lente ok'' situs, pallide Miens caulibus basi lamosis decumbentibu>> tcnuibus tcietibus fleuosis folus bieviiei petiolatis, foliolis o^atis \el obovato-cuncatis obiusis^imis stipulis ovaUj* petiolulalis/ peiolo MX longionbus, floubu? subnulanlibus solitarij, ranssime bio>^> pedunculo folium axillare nullo supciantc sullulli.% basi 2 — 3 bractei> oblongi* ^.^d aequilongis obs>itis, calycis adpresse pilosuli dtnlibus lanceolatu* acutis, tubo obcom^ paulo longionbus, mfenori subrellexo, vcullo alis obovalo-spalhulatis vix longio>><< canna an^uiaum ad ipsam basin limbi incuiva aitenuala acuta. siigmate capitato, & guminibus glabernmis cylmdnco - linearibus rectis torulosis poljspecimis, caljcc m>^t tones longionbus breussime mutronaiis, seminibus globoso-j>ubcompressis M11dibua, utraque facie (ao sempei >) fo^eolatis, valvis iransverse septalis. — Ciesch in m>^t Carmelo

- 7 I MELILOTOIDES B Webb in Hook *r*^{ger} Floia p 118 — Laule frutescente, raniis elongalis diHusumis molliier pilosiS foliis sessilibus, foliohs stipulisque elongatis lincan-lanceolaiis vcl lineabus Last aUenuatis pilosis vindibus, jumonbus rufo-hirus buctcis lineanbus flores vn excedenubus calycis turbinati him dentibus lanceolate apice setaceis, alls lanceolaiis carinae longiudme vexillo acutiusculo vix bre-Moubus — Floies IOSCI (***) — Affinis *L anhyllotdh* Vent, sed foliorum ioi ma et pubdscentia diffeii — In msulis ad Cap verd
- H L (ORONILL\EtOLIUB B Webb 1 c 119 ') — Cgftle frutescente, ramis elongatis gncilibus diffusissimis glabellis slipulis lanceolatifr?oliis petiolatis foliolisque petiolulatif laus obo\atis obcoidaiisque parce et appresse pubescentibus vindibus, jumonbus fuhis caljcis tuibinau pubescenlis dentibus subaequalibus, basi ovatis, apice linean-setdceis vexillo glabio cauna acuta alis obtusis longiore stylo breviter unidentato — In msulis ad (ap \cid
- 7 L MOM ANUS A Rich Tent ft. Abyss I 177 — Pusillus griseo-hirtus caule caespitoso basi suniutescncntc a basi ramoso lamis patuhs 2—6 uncias longis hirsutis, folus vix petiolaiis foliolis oblongo-ellipticis hirsutis aculis slipulis consimilibus, glanduia minima mgi entente hint el lllinc ad basin petioli, capitulo I—b-floro pedunculato a\illan, pedunculo foliis multo longion, foliolo unico ad basin capituh, caljcis bun lacinus tubo taljuno tuplo longionbuh hnccolatis, corollam fere aequanlibus, coiollat alia oblu^{is} longiudme vexiJli leguminibus teretibus obtusis glabiis cal\ce tertia pane longionbus — Habitat in Ab\ssimac proMncns Tcheleucote & Ouodgerate
- 10 L BRACHYFARPOS Hochsi St Steud mss ex A Rich 1 c — Caule basi suffrutescenle ramoSissimo lamis cictiis confcitis tciclibus hntis folus brevissime petiolatis, foliolis flguia maxnnc vaus nunc obovali-oblongis aculis nunc elliptico-lanceolatis, obtusis aul aculis, utunqce butib tubeiculo foima \ano glandulaeformi utunqce ad babin ptlioli slipulis folus lon&imihbus capilulis 6—8-flons peduncualis, pedunculo toniuuii foliib longion luilo flonbus purpurascntibus, brculti pedicelldtis foliolo unico ad basin capiluli tihcis campanulali bull lacinus 5 o\ali-lanccolatis subinacqualibus, coiolla paulo bit\ioiibus corollae alls oblongis obtuse, vexillo paulo brevionbu*, cauna oblonga, apitt angustata oblusa legumme oblongo teieli cahce paulispci longiou ^tylo pcisistentc teimmato glabio 4—6-spermo, bivahi — Habitat in Vbjssiruae provncia Tigid
- H L AUSTR^LISAndr — DC I c 212 no 27 — Vdi *jmbescens* Bntb m Milch Journ ol iropiL Vustial 348 adn — Ramis pedunculii»que pilis mollibus patentibus vostiis — Crtsctii m Austiaha ouentah liopita
- U L LAEVIGATLS Bnih in Mitchell. Journal of tropical Auslialia pag 62 adnol — Subglaber ghucescens foliolis lineanbus |c| lineau-cuneatis m acutatis peduntuhs folio longionbus 3—b-flons caljcis subscssilis appresse pubescenlis dentibus setaceo-ftcummatis, tubo suo paulo longionbus leguminc recto tereii glabro — Ciescit in Australia oncnlali tiopica

6516 BOHrj&A]iri% *Rchb*

(Wlprs Repeit I 648)

- 1 ^U SYRIAL\ Boiss Diagnos plant orient nov. IX p 31 f — Perenms. tola pilis "us paluhs tenuibus hirsuta palhde virens cauhsbus plunbus erectis tcretibus rubellis foliosis simpheibus, vix basi suffrutescenlibus folus bi[^]vissime peliolatis ob stipulas foliolis similes quinatis foliolis siipulisque o[^]alo-oblongis acutiusculis, inferne subatienis. capilulis basi biacteatatis, pedunculo folio axillun vix longion suffultis paucis ad cauhs partem supenoiem subunilateraliter dispositis breviler paniculatis flo-

^U LOTUS PURPUREUS B Webb 1 c 118 t 6 & Hook Ic tab 757 aequae ac LOTUS BKUNNERI B Webb 1 c 119. t 3 a Hook lc t 754. in Ann bot syst I ZX a commemorabantur

ubus calycis patule hirsuti lacimis lanceolato- &ubulalis, infenoubus lubo daplo Jongionbus, supenonbus us paulo brevionbus legumine ovato turgido glabro. cal)Ci iubaquilongo breviter raucronato, ovulis 12—15 seminibus 3—4 remformibus compressjusculis nmdis wndibus — Crescit in rupcstribus sjlvaiicis Synae borealis in valle Or on us inter Suadie et Antiocbiam

6517* *nOSACKI* * *Vougl*

(Wlprs Report I 648 II 855)

- 1 U (*Luhosackia*J ODI O3SGIFOLIA Bnth Plant Hirtw p 306 — Eiecta appiessie pilosius- rula stipulis ovato-tinngulanbus membiamceis foliohs 9—11 anguste oblongis urn- hellis pluriflou* brutea unifoholata pediccllis bie\issimis cahcis appiessie pilosi dentibus subulalis tubo paulo biCMOIibus — Hibilu/7 *bicolon* iccedit Caules juniores pilis brevibus appiessis obtecti adulti glabrali Stipulae l'A lin longae acutae, basi hinc bicviter auncuhtae \el subaequales Folia 2—3-pollicina foliola majoria fere pollicem longi MV unquim 3 lin hta erasjsiuscula supri glabra subtui* pilosiuscula omnia basi angusiata et bioMssimc petioluhtT Pedunculi 3—5-polhcarcs pilosius- cuh Flores in umb<lla5—7 ilhs // *bicolons* paulo mmoies Brictae foliohs si- inijcs sub umbella ipsa insertae Cnljcs tubus linea paulo longior, basi bievitei tui- binalus dun campanulatus dentes lnsi lcviloi dilalati parum maequales Petala us // *bicolons* bie\ius unguitulata Fjlamntuin Ac\illdie omnino libeium caetera alte connaia quorum 5 moic *Eulotcarum* apice mtmbianaceo-dilatita — In California ad Monteio
- 2 H RIGIOA Bnih 1 c. — Hcrbacei' erccta⁹ senceo-pubscens stipulis nigus glandu- laeformibub foliohs 3—5 in pctiolo brevist>imo confriiis* cunoato-oblongs obovatisve pedunculi tlongali» ngidib 1—3-flons biactea pirn unifoholata caljcs cjhndnci sencei dentibus subulaus tubo bievionbus — Rann ad*unt pedalcs flevuosi uti folia, pedunculi et caljcs pihs adpressis serious canoscentcs Folia internodiis plunos bievioia Potioh (cum rhacbide) \ix unquam linca Jongioies Folioli m ijora semipol- hcana folioium supenoium mullo minora Pedunculi 3—4-pollicae^ Bracteaapaiva obovata Cahcis tubus feic 3 lin longus Pctaloium ungues cahtc brevioies \exil- lum cahec dii)lo longius Ov mum pubescens Legumcn pollice paulo longius cras- biubculum subieics ipici abiupte in mucionem brcvem aitenuatam — Crescit in Ca- lifornia juxta Monleic)
- 3 II PLBJRLI V Bnih I c — Decumbens appie^se pubescens siipulis, minutis foliohs in pctiolo btw 4—5 oblongs lmcabus^c riassiuscuht peduncuhs folio Jongionbus 1—2-flons bnctcil—3 fohohta cilvcis pubescntis Iacinnis supcnonbus lanceo- htis tubo lequilon^iij coiolla caljtc duplo loncioie unguibus inclusis — Afflnis 7/ *mantimae* >utt tt // *angushibat* G Don (cui pefeib *H Meucanam* Bnth et /<- *digofeiam* (?) *hippouepioulem* Schlchtd) **pclioli** brevioics, supulao *MX* conspicuae Flores multo mijores Ciljcit. tubu!> fere 2 hneis longus denies angusle lanceolati apice setacci infeiores angustiorcs omnes jnaigine molhter pilosi Coiolla 7 ho longa Legumen pollicare — Ciescit in California
- 4 II (*Mmolotus*J BRACIIYCARPA Bnth 1 c 306 no 1703 — Annu. a basi lamo&a • villosa foholis, 4—5-nis> obovalis oblongisve floubus solilaius brevisbinie peduncu- latis ebractcitis dentibus tihcini» lanccolato- subulatis lubo duplo Iongionbus I*' gumine oblongo turgidulu piloso cahcem bicviter superi ti — Aflinis // *subpinnatae* ft hobrtu ncc non legununc Lotonouides noiumll is itftii (uulis ^iatilos subiamosi, in spcciminc 3—4-polhctics Foil i us 11 *subptnnatuL* mmoru H(ios pnul > majores numeiosi Carina rosliata Legumen 3—4 lin longum, l^A lin laluin inlua mem- branis lijalinis tcnuissinus septatum subtn sperm um — Crcctit in Cahfoinia in mood **bus Sacramento**

Subtribus III GALEGEAE DC.

6522 PETALIOSTEMUM L. C Rich

(DC Prodr II 243 — Wlprs, Report I 651)

- 1 P VIRGATUM Scheele Lmnaea XXI 461 f — Caulis atnatus minute puberulus spai se punctiatus inmosus rami erecti elongaii Stipula^subulatae pubescentes Folia tnjuga folia lmeana mucronata supra glabra, gpfettis conspicue punctata, pilis albis elongaiis appressis vesiiia, mirgine involuta Spicae cylindncie longe pdunculatae Bructiac e basi dilatata longe acuminaiiae Flores sessilcs Calvgs glabnuscuh nigrescentis denies margme et apice densisMme barbali Peiala inter se subaequalia intense purpurea obovaia glabra longe unguicuhtd unguis lamina longior Stamina 5 glabra Stylus elongatus flexuosus siigma peltatum — Crescit in pascuis prope Neubraunfels in Texa

6523. » A X E % Linn

(DC Prodr II 244 — Wlprs Reperit I 652 II 855 V 513 Annal I 228)

- 1 D MOLLIS Bnih Plnnt Hartw p 306 — Humilis ereeta ramosa undique melliter canescemi - villosa foliohs 9—13 obovatis obtusis spicis opposiifolus breviter pedunculatis oblongis muliiflons calvcis longe senceo-pilosi dentibus e basi lata subulalis tubo suo aequilongis — Herba perennis semipedalis, ramis erectis dichotomis Pih molles in caule ramisque subpatentes, in folus sencei, in calvcibus longiores denies aequantes vel superantes Glandulae imjusculae, in caule folns calycibusque sparsae, in folus subpellucidae Stipulae parvac latae setaceo - acuminaiiae Folia semipollicaria, foliola raio linea longiora, pleiaque late obovata, basi oblique angustata Spicae 6—8 hn longae, in pedunculo 1—2-lincan Bractcae et bracteolae mmulae iusco-membranceac Flores sessiles confeiu Ciljcis tubus lurbmaius 10-nervis 1 lm longus denies paulo brevioies inter se subaequales \cxillum latum, piofunde cordatum dentibu* cihums subbieviu^ alae oblongae paulo longiores, canna dimidio longior Sumina monadtpln, vagina poslice fissa Anthenc consimiles, glandulis desiiutie Ovanum biovulatum pilosura Legumen edlycem subaequans, ovatum pilosum menibranceuin monospei mum — Crescit in vicimbus Monterey in California
- 2 D NAN A Torr mss ex A Gray Plant Fendler 31 no 130 — Caulibus e basi ramosis diffusis humilibus folnsque senceo-incanis foliohs 5 oblongis laxiusculis seritco-villosis^iuis subsessihbus biacteis et flonbus fere *D. aweae* — Crescit in lepublica Textnsi
- 3 D POGONATHCRA A Gray I c adn — Pubilla glabernma perennis cauibus depressis slipulis seiaceis foliohs 5—7 oblongo-lincanbus, sublus rbachique grosse nigro-glandulosis spicis oblongis densiflons, bracteis ovatw carlnato-concavis mucronaio-acuminalis glabns parce glandulilens, margine SCAHOSIS, tubum calycis senceo - villosi lacinns jseticeis plumosissimis breviorcm aequanUbus, petalis purpureis canm alas et \exillum multo superanubus, stjpinibus decem — Crescit in Mexico ad Montero
- 4 D LLUCOSTACHYS A Gray 1 c 32. adn — Suffruticosa humilis cinereo-puberula c\ulijus ram^iis glandulis prominulis conspersia. stipulis setaceis caducis, foliohs ⁵—7 oblanccolatis cuoeto-oblongjsve obiusis petiolulatis glabraiib, uiiinque (supra ciebernme) glanduloso-punctatis spicis ad apicem panicuiaiis pedunculalis cjhndricis densis biacteis subulalis, calyce pubescenle breviter qumquofldo brevionbus docidius peiohs albis. vexillo suborbiculan alas et petala cannalia consimilia feie tequante ___ Crescit in Mexico ad Cosiquiri auchi
- 5 *-> WiblIZENI A, Grav 1 c adn — Senceo-villosa caulibus seu ramis gracilibus C^{ectus} stipulis setaceis foliolia 7—8-jugis parvulis (21m longis) oblongis obtusius-

culis pulchre scriccis subtil cnftque parce nigro-glandulifen* spicis solitariis
ppdunculatis ablongis bractus hnceoluo-suaceis ciUcibiwiue -lequilongi* senceo
\illosissimii. lacinus cahcis tubo hngionbut subuhto install** 1 IMII \eisiis utunqr¹
uniselulovi penli-* nlbo purpuicis omnibus |uxti apitem glamluh linieni notuis
cirina ahs dinudio vexillum multo superaniibus — Credit in Mexico in ^ietr¹
Mulic

- b) D) NIOPVRIY V Gia> 1 c adn — Cano-toincniosula dcinde glibrau undique i u-
^ulalalo glandulifen caulibus (basi fiuticosis?) nmosi<v>imis g*nuLibu* ngidis mfrnc
denudatis folns iameahbus pterumque simplicibus spatliulato lineaiihu? sul s ^ilibus,
miigine rpvolutis pirvulis ranusYe trifoliolati-* slipuhs miiiinus cipiulis 5—10-florid
h\iusculis peduuculalis corymboso-pamcuhtis bncteis minimis o\ uis caducib cil>-
cibus incmis brevuer quinquedennti*. gibbOio ucuitis pcialis pulchre \ioljceis om-
nibus ad apicem umgl inclusiois subacqmlongis — Ciescit in Mexico inter St Fe &
El Poso del None
- 7 D FRUIF Scr\ S As>a Gn\ Bost Jouin I 175 f — Ghbemma caulibus lignescen-
libus lamosis glanduli* tubfroulilorinibus nns obsiti-* foliolu. 6—8-jugis glaute>ccnti-
nrrugmosis obo\atis rcluis obcorditis\p nnnifeste petioluhtis subtus (rhachique in
foliis summis subniarginan) gio^se ghndulosis spic<> panicuhtis brevibus piucidons
bncteis conaccis ovatis muticis ghndulosis caheem \n jcquaniibus caducis tubo
ciljus se^sili glabio q-lanhilis mignis rmnis ounto dentibus brevibus iriangulaio-
subuhus marginc MIOS> coiolla violacen canna maxima vexillo plus duplo longiore
— Cresiit in lepublici Texen^i occidntal!

6524 UMORPHA Linn

(DC Prodi II ^65 - Wlprs Ropert I 654)

- 1 \ TFNES^FNSIS Shulilew in Kze Delect sem hort Lips 1B48 p 1 adn — Affi-
nis 1 Caiolimanan, qua diTcit racemis fructifens laxis formi legumims (cla\ aia
uctiuscuh) et slipellis mulio tenuionbu* ac brevionbus — Pioximi csl einm 1 Lf'
itisu Horl No\ eboi (in horl^ s^epe culu) *>e& differi haec foliohs ulnnque ittnua-
tis acuiisque, mdmisque t ciule lemons — In America boreni
- 2 A ROFMLRIA> V Scheelc Linnaea \\\I 461 — Caulis fruticosus nmi nngulali sul-
can tomentosi Folia altcina imj inpinn it\ 5—6-jugi basi stipuhu islipulac parva<
obov itae foliola opposite petiolulata pellucido punctata pennintma oblonga, basi ctt*
ucata apice obtusa mutromti nngine ^e^olun ipiccm \ersus rej)indo - dentaWt
ulnnque tomentosa subtus cinerei jumoia seucea mflma i ctulo remota glandul*
purpurta <ubulata nguh bfNi peoululi sun Racemi leimmales erecti elongiti den<*>
lion cvlmdracei suffascicuhti Pedicf.Ui pubescentes CIJCP mulio breMOics Calyd⁸
obconico-campanulati quinqutdentati lubus glinduloNUN denies tubo mulio brevior*
tuangulaies marginc barbati Vexillum \iolaccum oloNnium concnura apice rotun*
datum <Subemarg>naium extu*. glandulosuin oUccin supcian^ stnminibus multo bre*
\JU^ alae et canm nullae Siamma longe exserta bi<oi monidel] ha pmtillo longiot*
filamenli glabra Stjlus filifoimis reclus glaber sli^nn liuncatum I egumina ?
— In republica Texensi ad margines rnulorum

6525 EISEIVHARDTIA // B Knth.

(DC Piodi II 257)

- 1 'E AMORPHOIDES H B Knth - DC 1 c - A Gia\ Boston journ of nat hist **
173 — f Druwmondu Torr & Gr Fl N \m I 69J • — hu Texana Scheele I¹*
naea XXI 462
- 2 _E SP^OSA Engelmann in^s ex Asi Grav, Bost Journal M M † —
Fruticosa ramis squarrosis rbachide spicarum persistente lignosa spinosis ^{foliis}
b—b-jugis, fohohs nwnuti ovatu acutis adpre^e pilosis, spicis pauciflons, ^{calycis}

obronico-campanulati dentibitis tngulanbus obtusis inaequahbus, veiillo profunde bilobo slamimbus subdiadelphis ovano quadnovulalo el stylo npice uncinato pi I o sis — Crescit in republica Texensi

6525A. CMDASTTHEHA R. Br.

(R. Br in Sturt, Exped. Cantr. Auslr. II. p 73)

Calyx 5-fidus. Petala longitudine subaequalia. Stamina diadelpa; antherae umformes, locuhs apice confluentiburs, valvula contrana ab apice ad basin separanti dehiscentes' Ovanum monospermum. Stylus subulatus Stigma obtusum Legumen o\atum, lenticulan-compresum, echinatum. — Herb a v. suffrutex glabra glandulosa: ramuhs angulatis Folia cum impari pinnata; foholis oppositis, subtus glandulosis Stipulae parvae, basi petioh adnatae Flores spicati pani albicantes.

Obs. Subgenus forsan Psoraleae, cui habitu simile, folus calycibusque pnnter glandulo^is, di\ersum dehiscentia insolita antheraruml

- 1 01 PSORAEIOIDES R Br loc cit — Herba -vel suffrutex crecta bipedalig glabnuscuh Ramuli angulati Folia cum impari pinnata, 4—5-juga, foliola opposita, lanceolate, subtus glandulia crebns parvis manifests, margmibos scabris. Spieae dense, multiflome Calyx 5-fidus parum inaequalis, acutus, exlus glandulis dense conopersus forollae vexillum lamina oblonga subconduplicata nee explanata, basi simpbei absqut aunculis. ungue abbiaviato Alae vexillo paulo breviores, canrram aequant. laminis oblongis. auucula baseos brevi Cannae petala olis confbrmes Stamina diadelpa, simplex ct novemfidum antherae subrotundae v. remformes, yal\ula centrali antbeia dimulio minore subrotunda Ovanum hispidum ovulo remrormi. legumen basi eoljee subemarcido cinclum, echinalum Semen remforme, absque stiopluola, Integumciito duplici Embiyo vindis, coijledones obovatae, accumbentes — Habitat in paludosis Novae Hollandiae centrals

6526. PSORALJS4 *itnn.*

(DC Prodr II 216 - Wlpn. Repert I 655 II 856 V 513, Annal. I. 230.)

- 1 'PS CISPIDATA Prsh. Fl N. Am II. 741 - DC Prodr II — Gray. Bost. jouro of nat hM. VI 172 — *Pa erylocarpa* Torr ft Gr — Wlprs Repert. I 659. no. 49. — ft *Roemertana* Schoelo, Lmnaea XXI 463
- 2 PS CxPIIOCALYX Asa Gray, BosU Journ VI 172 — Stnguloso-subctaeiw: cauhs e caudice ligncacente tubenfero eictis siraplicibus, folus digitalis 3—5-foliolatii, foholis lioeanbus (mnjonbus tupollicaribus) mucronulaUs, supra glabratis nigro-gtandulosis stipule subulatis. spicis longiuscule pedunculatis inerrupta muJtiflont, fatciculis appro ximali s. bracteis ova tie aeuminatis, caljcyj* tubo valde oblique, poatfea saccato, pedicellura bis terve excedente. lobis lanceolatis acumkiatii, margine albo-villosis, supenonbus ullra dimidium coalitis — Creseit in republwa Texensi.
- 3 PS ERIANTIA Bnth in Mitchell. Journal of tropical Australia p. 131. adnot — Prostrata canescenli-pubescent folus ptnnatim trifoholalis, foliolis ovatis oblongisve dentaus pedunculis eUogaUs multfaors', llonbus infenonbas remotis, supenonbus approxiniBtis, callus pub« molli albida dense tomentosii, legomme moUiter villosa — Crescit in Australia onentali tropica
- 4 AS MULTIFOLIOLATA Clo«s in Gay, Hist de Chile Bot II p. 87 — Frutex foliosus ramosissimus. ramis decumbenubus subgracilibus difTuus subintncatis cinereo-lonenlo^ia, u, lota p]anta glandulis mimmis rubeilulis coopersis, folus fere a basi petioh ~12-jugis cum impari, foliolis cuneatis peliolulatis lmpan-obcordatis, florikus ad 8ummos ramos denudatos remote spicatis sessihbus bracieolatis, bracteols mfsima calyce brevion. — Hatalat in Chili.

f Icon addenda.

PS FSCULENTA Prsh — DC 1 c 219 no 39 — ^on Houtte, Flore des scues \ j>
527 d c ic x\logr

6529/2. ACASTHOWOTUS *Bnth.*

(Dntb in Hook Niger Flora 293)

Calyx profunde quinquefidus, lacinnis lanceolalo - subulatis Pelala breviter unguiculata, inter se calycique aequilon^a, \e\illum obovatum, alae bnean -oblongae hberae, canna recta edentula, sogmentis fere a basi connatis Stamina diadelpa, antherae late didymae, connectivo in acumen producto, basi dorso piloso Ovanum bre\iter stipitatum hneare obliquum, in stylum validum uncmatum productum Stigma subsimple\ Legumen mdehiscens falcatum latiusculum compiessum echinatum hispido-setosum, dorso bicannatum Semen solitanum.

1 *A ECHINATUS *Bnth* I c 293 — *Indigofera echinata* WiHd — DC, Piodr II ZU. no 10 — Crescit in Sencgambia

6530. H¥J>ICJOFERA *Linn.*

(DC Prodr II 221 - Wlprs Reprt I 660 II 856 V 514 Anml I 230)

- 1 •I ENDECAPHYLI A Jcq — DC 1 c 228 — Hook fl >nger Floi i 294 — i *Schnnpenana* Hochst mss
- Z 'I HIRSLTA *Linn* — DC 1 c — Hook fil 1 t — / *astiagahna* DC 1 c — / *farginca* Schum ft Thonn — Wlpis Rtpert I 661 no 9 — / *fusca* G Don Gen sysl of gard II 211
3. M ANIL I — DC 1 c — Hook fil 1 c 295 — / *unanata* G Don 1 c 208
- 4 I DEFLEXA Hochst mss ex A Rich Tent « Abjss I 178 — Annu caule herlncco erecto ramoso 1—2-pedah ramuhs subangulatis foliis impanpinnitis 3—4-jugis foholis elliptieo -lineanbus, subtu* cum petiolo communi pilosis pilis appressis stipulis minimis subulatis racemis axillanbus pedunculatis 3—4-fions folio brevionbus Iegumimbus teretibus sesquiuncialibus, sutura supcuore tumuh, pubenlibus pallidis poljspermis — Habitat in Abvssimac plo^ Chirc locis cultis
- 3 I ERVOIDES A Rich 1 c — Caule herbacco diffuse lamoso proslrato spithamaeo, lamuhs lurtis folns impanpinnatis, pinnulis 1—2, foliohs elliptieo - lanceolatis, utnnque senceo-hntis hleialibus subacutis teimmali saepius obtuso mucionato, stipuhs linoan-lintcoldiis iditii sencis, racemis axillanbus pedunculatis pauciflons, calycis pilosi lacinus lanceolalo-lineanbus Iegumimbus coinpresso-plants subellipticis acunnnatis hirlis dispermis — Habitat in Abyssimae prov Chire'
- b *I OLIGOSPLRMA DC I c 228 — A Rich I c 181 — / *glulmosa* Schum ft Thonn — Wlprs I c I 661 no 8 — / *mclanotncha* Steudel mss
- 7 I QUARTIMANA A Rich 1 c 183 f — Caule frutescente ramoso, ramls erectis virgatis angulatis pilosis folns impanpinnatis 1—3-jugis magnis, foliolis basi breviter petiolu/atis ellipticis aut ovalibus apice acutis aut obtuse mucronatis, praesertim sub' tus piloMUsuhs pallidiocibus racemis amlhnbus elongatis, broiter pedunculate 2—4 uncias longis floribus ampliludine medns purpurascensibus, calycis lacinus Ia0' ccolatis acutis hirtis, corolla pilosa dimidio bre\ionbus legummibus elongatis subs''' cuatis apice acutis tercti-snbquadrangulanbus pilosiusculis, subunciahbus polyspermi* — Afflnis / *endccaphyllac* — Habitat in Ab\ssimac prov Agaml
- H 1. ARENARIA A Rith 1 c 183 — Annu nana caule erecto 1—3 pollices long⁰ ramoso, saepius argenteo-senceo loins nunc unifoliolatis, nunc 3—5-foholatis, f⁰ holis ellipticis oblongja subacutis, aut oboialibus obtusissimis, utnnque senceis, *' pulis hnean-subulatis hirtis racemo peduncuhto, folio brevior floribus sat dens* purpureis, calyci& lacinus hnean-lanceohtis albido-senceis, Iegumimbus Quunioribus) elongatis sencis dependennbus — Habitat in Abvssimae maritime arenosis

- 9 1 *IMARGINELLA* Scudel mss ex A Rich 1 c 184. — Caule suffrutescente, rarus Migaiis punctulatis glabris foliis imparipinnatis 4-jugis, petiolo superne canaliculato, foliis oppositis, bracteolulis ellipticis obtusissimis mucronatis integris cinerurn, in utraque facie hirtellis, pollicem longis 5—7 lineas latis, racemis simplicibus axillaribus, pollicem longis, brevissime pedunculatis, flonibus feirugmeo-selosis leguminibus rectis teretibus oblique apiculatis, 4—6 lineas longis hirtellis — Habitat in Abyssinae prov Tigie*
- 10 1. *ARRBCTA* Hochst mss ex A Rich 1 c 184 — Caule frutescente lamoso; ramis erectis, ramulis angulatis punctato-lepidosis, folus imparipinnalis 5—7-jugis, foliis breviter petiolulatis ellipticis obtusis mucronatis, utrinque pilosis, pilis appressis. idem aullaribus sessilibus, folio multo brevioribus flonibus rufo-pubentibus, leguminibus 6—8 rectis, subturgidis, laevibus vix pubentibus teretibus, 6—9 lineas longis, ipite obtusis, 6—8-spermis — Habitat in Abyssinia prov Clure, Tigre Sc Ouodgidde
- 11 1 *NIGRITA* Hook fil Niger Floiap 294 f — Caule tereti erecto ramoso, ramulis gracilibus glabris stipulis hinc et inde subulatis, foliis linearibus obovatis subacutis strigillosis caulibus 2—3-jugis, ramis ulmifloribus simplicibus, pedicellis axillaribus hinc et inde unifloris, calycis stigosos quinquepartiti laciniis lanceolato-subulatis subaequalibus. vexillo oblongo calyce bis longiore. ovano bivulvato, legumine appresse piloso breviter oblongo compresso disperso — Crescit in Nigritia
- 12 1 *MLXKANAB* Benth Plant Harw 286 no 1596 — Suffruticosa humilis cinerascens ramis ascendentibus compresso-tetragonis vel micropitibus, foliis 6—12 hinc et inde tunc, apice rotundatis mucronatis. subius striguloso-canescens, pedunculis multifloris folio multo longioribus, leguminibus reflexis rectis 8—10-spermis — Radix crassa descendens, apice multiceps. Caules o basi hinc et inde numerosi herbacci nunc etiam lamosi, semipedales vel paulo altiores, in hisce specimenibus omnes antipitibus compressi vel in basi tetragoni, pilis minutis more generis mediceis cinereo-stigillosis. Mipulao fusciscentes, nunc lanceolatae, nunc c basi breviter dilatata subulato-acuminatae, 1—1.5 lin longae. Foliolum hinc et inde strigilloso angulato 3—5 lin longa. Foliola ipsa vulgo 7—9, in foliis inflexionibus pauciora, in vegetationibus numerosiora, altera vel opposita tunc impau, 3—4 lin longa, raro rariore laia, basi angustata et brevissime petiolulata, apice latiora, obiusa cum mucronulo vel rarus acutiusculis, utrinque cinerascens, supra glabra, subius solilo more strigillosa. Stipellae nullae obviae. Pedunculus compresso-tetragoni, infra flores 6—8 lin. longior. Calycis hinc et inde demum duplo vel triplo longior. Bractea lanceolato-subulatae, fustac membranaceae, pedicello longiores. demum deciduae, in racemo juniore culyce multo breviores. Pedicellus vix semihinc longior. Calycis tubus brevissimus late campanulatus, denis subulatis, tubo plus duplo longiores, vexilli dimidium aequantes, inflexo cactens vix longior. Vexillum ovatum excluso sirigillosum, tres lineas longum, caeruleum petala et genitalia omnino ut in speciebus affinis. Legumen feie pollicem longum, singilloso-canescens, leviter compressum, suture incrassatis. — Crescit in arenosis circa Leon
- 13 1 *LINDHCIMERIANA* Schecle, Linnaea XXI 464 f — Smgoso-cinerea scabunda. Caulis fruticosus erectus ramosus, superne angulatus. Stipulae subulatae. Folia petiolata imparipinnata 3—6-juga, foliola petiolulata obovato-cuneata mucronata, utrinque dense siugosa, subtus dilute, supra obscure cinerea stipellata, stipellae lanceolato-subulatae. Racemi axillares solet hinc et inde stricti, flonibus folio breviores. Calycis hinc et inde lobis lanceolatis acutis inaequalibus densissime strigosos pedicello longiores. corolla coerulea (?) stngosa triplo breviores. Vexillum rotundatum emarginatum alas cannamque vix superans. Legumen (*ki^mmalurum*) tetragoam sin go sum deflexum hinc et inde inflexo coronatum. stigma capitatum. — Crescit in Texa
- 11 1 *BRLVIDENS* Benth. in Mitchell, Journal of tropical Australia pag 385. adnot — Fruticosa gracilis. pihs parvis canescens foliolis 6—10-jugis cum impar oppositis obovatis subplatis mucronatis vel emarginatis, utrinque stngosis, racemis multifloris hinc et inde, folia vix superantibus, bracteis minutis, calycis villosuli deotibus breuissimu

obtusis, corolla pubescente leguminc stngilloso incuivo. — Cro&cil in Australia onenlali tropica

- 15 I TRIQUETRA Dalzell in Hook Kew gard misc II 36 — Percnms caulibus e radice lignosa plummis herbnceis acute tiigoms p̄ostratis. apice adscendentibus glabns, folns subse[^]ilibus ellipticis muoronatis, supra glabns, subtus stngosis pellucido-punctatis, 10 lin longis, 6 lin latis, stipulis subulatis racemis anllaubus elongatis folio 3—4))lo longionbus multi - (20—25) -flons, rachi acute tngona glabra flonbus (purpureis) brevissirae pedunculatis, pedunculis frucifens reflexis cal\cis 5-partiti lacinus subulatis. sub anthesi paientibus pilis albidis stngosis, coiolla cahcc duplo longiore, vexillo rotunddto einargmuto, dorso stugoso canna apico pubescente anlhens apiculatis, ovano 6-ovulalo pilis reflexis nlbidis stngoso legumine linean apice mucionato lotragono tectiaptero 5-spermo 6—7 lin longo linoam lato — Gre&cit in colhbus provinciae Malwan in India onenlali

t Icon addenda.

I. DECORA Lindl. - (Wlprs Annal 1 230 no 1) — Paxton.Magaz ofbot. \VI. 290 c ic.

6534 CYCIiOGYSTE *Lndl*

(Wlpris Report I 672)

- 1 C SWAINSONIOIDES Bnth in Mitchell. Journal of tropical Australia pag 397 adnot — Foliolis 8—11 anguste oblongis, racemis laxis dissitiflons, canna spiraliter contorta. — Crescit in Australia onenldli tropica

6538A. MICROMX *Dalzell.*

(Dalzell in Hook Kew gard misc II. 35)

Calyx lubulosus bilabiatus, labio supenore bi-, infenore Indentalo Coiollae papilionaceae petala longe unguiculata subaeqmlonga, Aexillum rotundatum, sub anthesi reflexum, alae hberae stnetae oblongae obtusae, cannae obtusae petala superne leviter cohaerentia, alis paululum brevioia Stamina IO.[^]alterna breviora, filamento vexillan hbero Antherae rotundatae conformes. Ovanum plunouilatijm, ovuhs funicuhsque compressis aequilongis, stylus bieMS incurvus, stigma capitatum Legumen compressum, lineare rectum stngosum, marginibus incrassatis, valvis mtei semina cohaerentibus, 7—8-spernum — Herba annua, facie *Lathyri Nisboltae** loins simplicibus, pedunculis uniflons, flonbus pai vis.

- 1 *M. (TEPHROSIA Wall Gatnl No 5970) TENUIS Hook 1 c adn. — Species inderscripta Oenentali-Indica
- 2 M STRIGOSUS Dalzell 1 c — Herba annua difTusa caulibus adsrudentibus fliformibus stngosis, loins simplicibus lineanbus vel anguste ellipticis mucion.ntis 3-nerviis* nervis duobus maiginalibus, intermedio penninemo, siipulis paivis subuldu., petiolo brevi bistipellato acqualibus Pedunculi axillarck solitam vel gemmi capilUres, folio breuores uniflon Caljx lineam longus stugosus dentibus e ba[^]i lata subulatis, mflmo paulo longioie Petalorum ungues filiformes calycis tubum aequantes Corolla 2 lm longa coerulei. vpxjllum doiso stngosum, mnrgrine ciliatum Rami teretes 5—6 poll longi, folia pollicana. 2 lin. lata Legumen 8—9 lm longum, 1—iy_a lin latum. — In IOCS lapidosis Indiae onentalis frequons

6539. TBPHEROSIA *Pers.*

(DC Prodr II 248 — Wlprs. Repert I 673 II 857 V 514)

1. T \OGELII Hook fl Niger Flora p 296 f — Fiuticosa ramulis pedunculisque vslutino - tomentosis, stipulis lanceolato - subulatis caJucis. foliolis b—10-jugis linean-oblongis obtusis emarginatisve apiculatis, subtus praecipue idpresse senceis, floribus amphs, bracteis late ovatis acuminatis, caljcis lan dontibus late oblongis **obtusis**

- vexillo emarginaio, Uorso sericeo. alis cum carina basi connatis; Qlamento superior© basi npiceque libero; legumine breviter falcato lineari-oblongo valde compresso dense fulvo - villosa. — Crescit in Nigritia el in insula Fernando Po.
2. T. DENSIFLORA Hook. fl. 1. cit. p. 296. — Fruiicosa: ramulis pedunculisque pube lenui dense obleclis; stipulis lineari-subulatis; foliolis obovato• oblongis lale emargi- uatis obcordaiisve, subtus praecipue pubescenti-sericeis; racemis lerminalibus; bra- cleis angusie lanceolatis; calycis villo-suli dentibus quatuor brevissimis, quinio subulato rcolulo; vexillo sericeo; alis liberis; legumioe leviter arcualo lale lineari dense vil- loso. — Crescit in Africa tropica occidenta! (Nigrilia).
 3. T. ANSELLII Hook. fl. 1. cit. pag. 297. f — Caule erecto basi lignoso, parce ramoso; ramis pedunculisque laxe patentim pilosis; stipulis subulato-fliformibus; foliolis sub- 7-jugis linearftoblongis obiusis vix emarginatis, subtus laxe et molliter sericeo-pilosis; racemis terminalibus strictis elongatis mullilloris; bracleis lineari-subulatis; calycis dentibus quatuor brevissimis, inferiore longiore; vexillo sericeo; legumine late lineari- oblongo subarcuato compresso parce piloso. marginibus villosa - ciliatis. — Crescit in Africa tropica occidentali (Nigrilia).
 4. T. ^ ON GAT A Hook. Ill 1. cit. p. 298. + — Suffruticosa erecta: caule tereti ramulis- que cinereo - pubescenlibus; stipulis oblongo - lanceolatis; petiolis elongatis; foliolis sub-12-jugis anguste lineari-oblongis obtusis apiculatis, supra glabratis, subtus ad- presse scriceis; racemis longissimis multifloris; bracleis ovato - oblongis; pedicellis brevibus; vexillo calyce breviter quinquentato seztuplo longiore dense velutino; legumine leviter arcuato lineari compresso velutino. — Crescit in Africa tropica occi- dentali (Nigrilia).
 5. T. FASCICULATA Hook. fl. 1. c. 298. f — Fruticosa: ramis validis teretibus pubes- centibus; petiolis onlongatis, stipulis ovato - lanceolatis, foliolis 6—9-jugis linearibus emarginalo-bilobis, supra glabratis, subtus albo-sericeis; racemis terminalibus erectis brevibus; podicellis brevissimis; floribus erectis fasciculatis; legumine lineari com- presso velutino. — Crescit in Africa tropica occidentali (Nigritia).
 6. T. PULCHELLA Hook. fl. 1. cil. 299. f — Caule erecto siraplici. basi lignoso. superne subfastigiatim ramoso; ramis pctiolisque gracilibus adpresse puberulis; foliolis 4—5- jugis angusie lineari-cunealis relusis emarginatisvo, supra glabratis, sublus argenteo- sericeis; floribus axillaribus solitariis parvis, brevissime pedicellatis; calycis segmentis subaequalibus subulatis; legumine erecto dense villosa. — *Reineriis* adscribenda. — Crescit in Africa tropica occidemali (Nigritia).
 7. T. RUFESCENS Dnth. Linnaea XXII. 513. f — Caule humili decumbenie; foliis. inflo- rescentia fructuque pilis longis laxis rufo-villosis, foliolis 3—7 oblongis obtusiusculis concoloribus; racemis onlongatis oppositifoliis; calycis dense villosi dentibus subulatis tubo fluplo longioribus; stylo glabro; stigmatate peoicilato. — Affinis *T. aduncae* finth. at vix varietas. DifTert statura humili (cum racemo vix pedali), foliolis vulgo 3 vel 5, nee 9 vel 11, villositate omnium parlium et floribus paulo majoribus. Uti *T. adunca* variat foliolis angustis vel lalis, 1—2 poll, longis. — Ad *Brissoniam* pertiaet. — Cres- cit in Orasiliae provincia Minas Gerads.
 8. T. LUCIDA Sondcr, Linnaea XXIII. 30. f — Suffruticos* e basi adscendente erecta: ramis nngulatis canoscentibus; foliis 2—3-jugis longe petiolatis, stipulis lineari - lanceolatis pe- ¹olo multo brevioribus, foliolis elongnto-linearibus mucronatis. supra glabris, subtus ndpresso pubescenlibus argenteis oblique strialis; racemit axillaribus terminalibusque lpnge pedunculatis, apice 2—6 - Doris; calyce vexilloque extus sericeis; leguminibus linearibus lucido-lomentosisj)olyspermis. — Ad *Brissoniam* pertinet. — In Promonto- ¹o bonae spei.
 9. T. DICHROCARPA Steudel mss. in A. Rich. Tent. fl. Abyss. I. 185. — Caule basi suffrutescente; ramis rectis sesquipedalibus teretibus aut subangulatis subvelutino- ericeis; foliis imparipinnatis, foliolis 5— 7-jugis elliptico - oblongis angustis, apice bar- que obiusis. rarius acutis. unciam—sesquunciam longis. 3—6 lineas lalis, apice mu- cronulatis, superne pilosis. subtus rufo-sericeis, stipulis lanceloaiis acuiis nervosis; Pedunculo axillari folia aequanic aut paulo superante mulinoro; floribus brejUer pe-

- dicellatib, calycib intense violaceo-tomentosi lacimis lanteolaiis, lubum superantibus. coiollac veiillo dense flavo-senceo, leguminibus angustis sesquiunciam longis, dense senccis, pilis marginem fructus occupantibus saepius intense brunneis, caetens multo pallidionibus — Ad *Dussomam* atincl — *T inturu\ita* Hochst a Steud mss — Habitat in campis moniosis in Abyssiniae piovmcus Chire et Ouodgciaic
10. f IUL\IINLRUS Hochst mss ex A Rich 1 c 187 — Gaule herbaceo 2—3 -pedali teieti strato hnto subfulvo. folns lmpanpinnatis 4—6-jugis, foliolis oblongis angustis sublineaubus oblusis mucronatis, ranus acutis, superne glabns, subtus appresse senceis in nci\o medio subfulvis, sesquiunciam ad duas uncias longis, 2 — 3 lineas litis pedunculo giacili laterali. 3—4 uncias longo senceo-fulvo, flonbus 3—4 distantibus breviter pedicellatis cahcis brevis fulu dentibus brevibus inaequalibus, mfeiioc longiore legumme compresso angusto 2 uncias longo, vix 3 ffheas lato, senceo — In Ab\S6iniaie piov Chirt
- 11 T VICIOLDS A Rich 1 c 188 — Caule herbaceo? tereu villosu folns lmpanpinnilis 3-jugis, foliolis parvulis obcordalis, utnque sed praeseitim subtus gnscosenceis pillulionibus, stipulis lmeanbus seuceis (loribus parvulis in axilla folioium 3--4 breviter pedunculatis, calycis senceo-birli lacimis subulatis, leguminibus compressis anguslis, 1 unciam longis, argenteo-senceis — Ad *Rcmenas* pertinet. — Habitat in Abyssinia
- IZ *T APOLLIAEA^C 1 c 254 — A Rich 1 c 187 f — *T anthylloides* Hochst mss.
- 13 T BLCIDUA Steudel mss ex A Rich 1 c 189 — finerescens caule erecto ramoso cmcico-lomentoso folus impaiipinnaiis ^-jugis pctiolo brevi, foliolis obovali-oblongis cunoiis oblusis muciomtis superne ghibiisculij. subtus gnseo - senccib, stipulis 6Cta(eis, pcduncuhs axillaubus 1-loiis folio bicuonbus, legummibus compressis gnscosenceis, 5—10-&permis — Habitat in \Ujssimae itgione maritima areno^a (Choho).
- 14 T LMLROIDLS A Rich 1 c 190 — Caule fruticobO ramoso ramis elongatis dense pubenlibus foliohs> 2—3-jugis, oblongo-elhpticis obtusis aut emarginatis, 5—10 lineas longis, 3—5 lineaj. latis, auperpe glabnuscilis. subtus gri->eo - pubentibus ilonbus lupis pedicellatis in axilla foFioium 1—3. calyce ampliaio campanulalo fulvo - senceo ">-(lentato, dcnlibus latis inaequalibus sublnangulaiibus legummibus anguslis, 2 uncias longis, subarcuatis senceis, calyce subainplato cinctis — (L sectione *Ciaccuides*?) — Habitat in Abyssiniaie />rov Yedjou
- 15 T L^DHLIMLRI Asa Graj. Bost Journ M 172 f — Caulc prostrato nunc ascendento flexuoso idmoso, pube brevi lomencllo, foliolis 7—13 late obovatis cuncatisve. saepe lduis mucionulalis, sublus pi iisciiim meano-senceib stipulis brevibus subula is ncmiii Kue multifloris lobis cahcis subulatis tubo sublongionbus, legum¹¹⁶ pube bievi densa ><lutmo — (E sectione *Reinena*) — Crescit in republica Texana
- 16 T SLMIGLADRA Sondel. Linnaea XXHI 29 f — Fiuticulosi caule ramis(jue angulatis, infemc rufo-tomenlosi^, supeinc glabns, folns 5—7-jugis pcliolalis, peliolo f^' lioia subaequantc, stipulis Janceolatis acunnatis, foliolis oblongo-lanceolalis lecurvaW' Inucionatis, supra glabiis, subtus puboscenlibus concolonbus, laccmis axillanbus Wⁿ minalibusque abbrevialis iniorrupte paucillonis* calyce vexilloque subsenceis. — Sⁿ sectionc *Reinena*) — In Protiontono bonae spu (Magalisberg)

t Icon addenda.

T GYNOTHRIX Miq - Wlprs. Repert V 515 no 6 - Miq Stirp Sunn sel 22 tab. «

6543/p FORNASIIVIA *Sertoloni*.

(Bertoloni. Misc hot. VIII tab I ex Schlichtd bot /tng. VIII 710)

. Calyx campanulatus brevis involucralus bracteis duabus **oppositis** deciduis, breviter bilabiatus, labio superiore laterali bidentato, **inferiori** profundius indentato Vexillum subobiculatum emarginatum, **postea** letexiim Alae velli₀ et canna bieviores, oblongae oblusae **prope** unguem appendiculatae. Canna lala incuna compressa obtusa **emar.**

unata, inferne bipartita, utrinque ad ungucm appendiculata. Stamina 10 monadelphica, superne tissa, rarius diadelphica 9 et 1, filamentis hberis subglandulosis. Pistillum stamina aequans, ovano sessili, adpresse ^enceo, 4—6-ovulato, stylo, glabro vel glandulis minimis raris scatente, siliqua mate obtuso. Legumen compressum crassum cultiforme, breviter incurvatum, basi angustatum, sutura depressis, superiore latiore, nunc dirempta, densissime et mollescime tomentosum, 2—3 poll. Longum superne circiter 8 lin., inferius 3 lin. latum, siccum durissimum 2—3-seminum. Semen subrotundum compressum, margine attenuato. Jabum basi obliqua hilo in basi media silo, lesa colons castanei — Arbor hinc durissimo, albino crasso albescens toto corpore hinc mpressente. Folia bipinnata, foliolis petiolatis (7—9) basi stipellatis. Racemi terminales compositi erecti. Corolla ex albo roseo-caculescens — *Mozzunga* Caffin.

1 'F EDENIFEHA Dcrol 1 cit — Lignum ebrium praebet — Habitat in Aethiopia caudiore

6544. LOSTCHOCIRPUS // *B. Kuhn*

(DC Prodr II 259 - Wlprs Rept I 678 V 543)

- 1 I (V) GLABRESCENS Bnlh in Hook Kew gard misc II 233 f — Scandens foliolis 9 ovali-oblongis vix conatis, supra glabris subtus pallidis minute puberulis racemis folio longioribus flonibus pedicellatis fasciculatis calycibus petalisque omnibus bipetalis staminibus monadelphis axis canam valde arcuatam rostratam aequantibus — Petiolus 3—4-pollicans foliola 2½—3-pollicana, 1—1½ poll. lata — In Brasilia prope Param
- 2 I (?) MACROSTACHYUS Hook fil Niger Flora pag 317 f — Ramis foliisque glabris foliolis 5—7 oblongis, obtuse acuminatis, basi rotundatis cornicis panicula amplidiflora ramulis pedicellisque brevibus velutinis calycis velutim dentibus quinque brevibus, biacteis late ovalis vexillo glaberrimo — Crescit in Africa tropica occidentali
- 3 *L FORMOSIA DC 1 c 260 — Hook fil 1 c 316 f — *Rohmia argentiflora* Schum & Thonn — Wlprs Rept I 679 no 4

6545. CILIICLIDIA *Kuhn*

(Wlprs Rept I 679)

Hoc genus nullo modo servari potest, in omnibus enim *Lonchocarpus* speciebus, quas vidi, legumina monosperma simulque pleiosperma obsentur

6545A BERBERA *Hochst.*

(Wlprs Annal I 254 — Genus GALEIS nee DALBERGIEIS adscriptum)

- 1 'B FERRUGINEA Hochst — Wlprs 1 c 255 no 1 — A Rich Tentam flor Abyssiniae I 190 tab 35 — *Inga gymnocarpa* Hochst — Wlprs Rept V 645 no 1

6561 COIUTEA *Linn*

(DC Prodr II 270 — Wlprs Rept I 682, Annal I 232)

- 1 'MELANOCALYX Boiss et Heldr Diagnos plant nov orient IX p 35 f — Fiuu-
-osa cibus stnatis fuscis ramis junonibus vinctibus pilis albis adpressissimis brevibus obsitis folis 3—4-jugis foliolis ellipticis retusis superne glaberrimis subulose adpressissime et piceo hirsutis canescentibus racemis 2—5-floris, folio aequalibus subulose longioribus calyce campanulato oblique pedicellato pedicelloque pilis densis fuliginosis brevibus tomentoso, dentibus inaequalibus lanceolatis acutis, tubo subulose

brevionbus corolla aurantiaco - lutca \exillo ovaio-spathuhto obtusissimo subrectuso, gibbis bascos (sallcm e sicco) fere obsoleteis ahs angusie hneanbus paulo supiabin ingiUo recio mfracio curvatis pnile *upriore verticnli carina sublongion lobo basilan siipite paulo brevion canna valde cur vat a obtusissima iruncata leguminibus slipite ohce duplo longjon suflultis acutis clausis *— Crescit in s}visL\ciae m jnonte rinnu cl monie Sol\ma

6562 **SWAINSONA** *Salisb*

(DC Prodr II 271 — Wlprs Repert II 860 Annal I 233)

- 1 SVV GRANDJFLORV R Br in Siurt Exped Centr Austral II App p 74 — Sufrutico^i pubeseens foil is 8—10-jugis inexpanis uicano - lomenlosi* foliolis oblongis obiisi* relusis\e adulus semigibratis rbaclu subincana racemo multifloio folium superantp braceleohs lanceolato- lineinbus acutis acquantibus tubum caljcis albo hnati quinque iicJi lacinns acuussimis longitudint fere tubi vexillo bicilloso — In Nova Hollandia centi all
- 2 SW GRLYANA R Bi 1 c 75 — Suffruticosa pubescens folus 5—9-jugis inexpan«u incano-tomentosis foliolis oblongis obtusis letusisve, adullis semiglabratis, rhachi subincani racemis multidons folio longionbu^ bracteis lateralibus lanceolato-lineanbus bicvionbus tubo calycis atbo-lanali quinquedentati dentibus obtusiusculis tubo diinulio bie\ionbus, vexillo bitaloso — In Nova Hollandia centrali
- 3 j>\ (>) LAXA R Br I c 76 — GJabra caule ramoso folns 6—7-jug-is foliolis oblongo ovilibus oblusis racenus elongatis hxis peditelJjb cahce ghbro qumquedentito biLMonbus bracteolis subulatis \exillo ecaloso — In Nova Hollandia centiali
- 4 SW PHA(OIDLb Bnth in Mitchell Journal of tropical Australia pag 363 adnot — Decumbens mollittr pubeseens foliolis 13—15 lineanbus cuncalisve pedunculis folio longionbus apice pauciflona, leguraine brevissime slipilalo viloso — Crescit in Austrialia onentah tropica

t Icon addenda*

SW CORONILLAEFOLIA Salisb — DC 1 c no 2 — Paxton Magaz of bot XV 223 c IC

6567 **CIIIIAHTTHUS** *Soland*

(Wlprs Repert I 684 II 860 V 517)

- i CI DAMPIERI R Br in Stun fexped Centr Austr. II App p 71 — Herbaceus pi ostratus sericeo - Mllosissimus foliolis oppositis (ranssime aliernis) oblongis passim Imean-oblcngis obovntisve pedunculis erectis scapiformnbus Oonbus subumbelialis calycibus 5-fldis sinubus aentis ovauis (leguminibasque immatuns) senceis — *Cliantlius Oxleyx* A Cunningham Hort Soc Tiansac. (II & CIICS) I p 522 — Wlprs Repert II 860 no 1 — *Doma speeusa* Don Gen svst II p 468 — *Clianthus Dampien* Cunningham — Wlprs 1 c II 860 no 2 — Lmdl a Paxt Flow gard I 49 tab 10 — Van Houtte Flare des series VI, 121 tab 571 — *Lolulea JSovat lllollan&ine* etc Woodward in Dampiers Voy vol III p 111 tab 4 1 2 — In Nova Uollandia centrali

Subtribus IV **ASTRAGALEAE** DC

6571 **PHICA** *Linn*

(DC Prodr II 273 — Wlprs Repert I 684 II 860 V 517 Annal I 233)

- 1 PII \OGFUI B Webb in Hooker. Niger Flora p 123 f — Cinereo- villosa ramis gracilibus elongttis fohosis decurabentiJbus folns subsexjugis foliolis parvis ovilis spjew axillanbu9 den^iQons folio demum subduplo loagionbus flonbus exiguus sessilibus talyce campaauiato pilosissimo, deniibus linearibus subaequalibus coiolla

- i hccm VIK excednnc logumint mini mo mflalo ellipiico-ovato acututsculo pilosissimo — Habitat in insula St Antonii ad oiam \fncae liopicac occidentalis
- 2 PII FENDLERI Asa Gn\ Plant Fendler 35 no 157 — Parcc striguloso-puberula caule gracili flexuoso angulato, foliolis 7—il-jugis oblongo-lineanbus oblusis glahntis |eiiolulalis (%—1 unc longis) slipulis tnangulatis parvulis, racemis longe pedunculitis palentibus spiciformibus 10—20-floris laxis folium superanlibus flonbus puipure/s palulis calycibus nigro-pubescentibus legumimbus deflexis oblongis rectis turgidis fere glabns esiiipitatis, — Crescit in Nova Mexico inter Si Fe £L Pecos
- 3 PH GRiULENTA Asa Gray I c no 159 — Perenms canescenti-pubesccns humilib ctulo eiccto flexuoso, superne ramoso, slipulis subuhtis, folns breviier peiiotitis foliolis 7—9-jugis cuneaio-lineanbus obtusissimis retusivc, supra glabratis, pedunculo 10— 20-floio folium aequante vel superante, calyce nigro-pubscenie, dentibus subulalis brivibus Icguminibus chirtaceis oblongis mflalis rectiusculis, utrinque oblusis esupiuuis cinerco-pubciuhS — Grescit in Nova Mexico
- 4 PH MACROCARPA A Gray I c no 160 — Cmereo-puberula caule crasso fistuloso ramoso slnalo-anguhto ascndenle slipulis ti langulan - lauccolatis distinctis folus ngidiusculis 1—5-foliolalis vel summis non folioliCens, lhathi fliliformi complanmia foliolis flililoimi-lineanbus remolis pedunculis folio longionbus, racemis mullillons flonbus decurvis majusculis (ocbroleucis scu albidis.), Icguminibus elongate lanceolaiis membranaceis glabns turgidis rectis, ulnnque acutatis in stipilem cahce olindiaceo longiorem attenualis pohspermis — Crescit in Nova Mexico
- 5 Pi] PICTA Asa Graj 1 c 161 — Annua hurailis, undique slngoso-incana caulibus ramosis di flu sis slipulis tnangulan - subulatis majusculis, foliolis 4 —7-jugis angule lmeanbus obtusis racemis folio subbrevionbus 7—15-flons denlibus calycis seliceis tubo vix brevionbus (corolla rosea vel albida, canna saepius purpureo-tincia), legumimbus ovalibus oblusis rectis membranaceis mflalis glabns purpureo - piclis bre-Mter stipitatu> oligospcrmis — Altnis *Ph longifoliae, annuae* it *Hool*eiianae* — Ciescit in Nova Mexico
- 6 PII CROTALARIAE llnth Plant Hartw p. 307 — Canescenti-pubesccns, demum glabnta caule valido abCtndenle foliolis 15-19 oblongis obo|atisve relusis craasms-cuhs stipulis submbranacLis hie tnngulanbus pedunculo folio longionbus, racomo oblongo flonbus bieulei pediccllalis cahcis pubescenlis denlibus diraidio tubi bicMonbus leguminc se&siu ovato-oblongo acuminalo mflato rcliculito subconaceo — Foliib et habitu formis latilolus *P denwfohae* acxedit Foliola majora crassiuscula, juniora senceo-mcana adulla ferc glabia Pedunculi sub spica sub-4-p'ollicares Spica ipsa 1—3-pollicaiis, 6—\z- flora Flores ex sicco purpurascntes \i-identur, forma us lslragali 3/o?ispssu(ani similes Legumen fere Ciolalonac seu *Baphsiae*, pollicaic, multo ugidius et minus inflatum quam in *Ph Nuttallu*. — Crescit >n California juxta Montpre>
- 7 PH GRATA Ciosi, in Gay, Hist de Chile (Bot) II p 92 f — Pumila senceo - tomentosi iamis folnsque basi dense congestis foliolis 4—5-jugis parvis oblongis seu lineanbus, pedunculis folio duplo longionbus 6—8-flons, flonbus parvis. tubo caly-c<no mediocn 5-dentato, corolla calyce dfiplo longion flava, legumine. . ? — Ha-b|k>t m Chili
- 8 PH PULCHRLL\ Closs in Gay 1 cit pag 92 f — Tola senceo - lomentosa, caespitoso-humifusa petiolis fliliformibus. ultra medium nudis, foliolis 7—8-jugis ovato-^elipucis flonbus multis subsessihbus calyce tubo brevi 5-dentato corolla flaxa, ^cal)cem duplo excedenle lpgumine lenticular! - orbiculato maequilatero apiculato puberulo — Habitat m Chili
- 9 PH STRIATA Closs Gay I c p 93 f r- Vix puberula aut subglabra caule simp-^PYCI erecto submcurvo crassiusculo, longitroisum subrubio-slnalo, peliolis longis ^fccurvis subdebilibus foliolis 12— 14-jugis linean - oblongis obtusis subtruncatis ^{ct} mierduin mucronulatis, integns, pedunculis folio longionbus, cahcis rufescentis 'acinus tubo vix brevioribus subulatis , corolla luteo-alba, legumine urnoto. — Habitat >n ChU

- 10 PH VAGA Closs in Gay 1 ell p 99 f — Imerduin subaciulis ei palulo - caespitosa nmis a radice pluiums erectis pilulis scu uudique ladianlihus breubus jnciassiti-> i nmpresbis hevigalis sliiatis fohis. immeisis pctiolis eicctis basi nudis foliohb 7 jugis elliptic^ seu elliptico-oblongis, oblusis intc,ii!> puberulis. pedunculis folio bievjonbus 10—12 flons calycis lacinn* hnceolatis tubo ux bievionhuN legumim ignoto — Habitat in Chili
- 11 PH CURWCUJLIS Closs in Gay L cit p 102 f — Ghbn ciulihm. e ladi plunmis seu lanus simplicibu? subpatulo-erectis teretibus intenimn subbjnuosi* slna tis ut lota plaia flivo-viridentibus folui peliolatis crectis sub-7 jugis folioljs ellip ncis sou oblongo-elliplicis obtusis siepins phcalis stipjilis lanceolalis jma basi cum petiolo concrete pedunculis folio duplo- tuplove longionbus cjectis et ngidius- culis supra medium Dorifens floubus subparvis bibracteolalis viv pedicellalis paten ubus calyco puce rufo lomcnioso dcnlibus tenui-itulis tubo brevionbus corollh (in sicco luteo-subiubtsenic) caljce duplo longion carina abbreviala legumni eiectum o\ito-oblougum mfiatum glabiuin polyspermum — Habitat in Chili
- 12 PH TRICOLOR Closs in Gav 1 cit p 105 f — PubcrnJa cauhbus erectis brevibus rimosib foliolis 7—9 jugis oblonge obovalo - cuneaUs y\lde emarginatis stipulis scanosis lite lanceohtjs ipicc bipartite pedunculis ivilbribus multis folio longw ubus flonbus 7—10 terminalibus cipitato-racemosis subscano^is tricolonbus Ian mis caljcinis tubo bicvi longionbus linean-hnccolaus Icgumme pendulo oblongo- icuminato pUosiusculo — Ilibitat in Chili

t Ieon addendn.

PILACA NEGLECTA Torr a Gr - Wlpr* Reperit I 686 no 20 — Torr Fl of New York 1 173 f t 26

6572 OXYTROPIS DC

(Di Piodr 11 27') — Wlpis Reperit I 690 II 861 V 517 Annol I 234)

- 1 O KOTSCHYANA Boiss ft llohen Diagnos plant orient nov IX p 36 f — Indu- inonto flivido palulo ad folia adpressiori senceo obsila caulescent cauhbus plunbus sulcatis IOHOMS folus hre\ieei peliolatis 12—17 jugis foliohs linean ellipticis basi rotundatis acutiuscuhs stipulis viresceniibus libens foliorum inferioiumi lineanbus superi jrum oblongo-lanceohus icutis foliolo paulo majonbus raceme oblongis laxius- tulis pedunculo crissiusculo sliiato hispido folii multo superanti ex atillis supreme otto sulhilns 1—3 pedicth* cahcis lubo tnplo breuonbus basi bracteola setacea us duplo longiuc ^ufTullis caljci>, nigicscentis pilis nigns brevibus aliisque long'O- ubus albis patulis bnsuii tubo cvlindiico dentibus a bnsi lation setaceis tubo paulo brevionbus corolla lilacma calyce duplo longion vexillo oblongo elongato aculiusculo plicato 2>subrelltu ilas lanceolalas. aculis superanti carina margine supenori rectfl infenoii cutvata in mucronem setaeum longiusculum alas aequantem abeunti legu* mine bre\i^sime el spaisim tomentello oblongo - cyhudrico subcompre^so mferne sul- cato in stipiitin cahci subaequilongum abrupte aitenuato in rostrum longiusculum rectum abeunti — Cre&cil in colhbus aigillosis> ad radices montis Demawend Persia⁶ boreiho pi ope Lai

6573 %STR%GALITS DC

(l>C Prodr U 281 — Wlprs Reperl I 694 II 863 V 517 Annal I 235 ft 968)

Sectio I PUIPWASCENTES DC

i o\$*¹ H_yP^o9io(tidet DC J c 281 — Reperit I 695 U 863, **Annal**

- 1 A EMARGINATLS Lab,n i>o_{ca}a I 1ab 9 — Doiss Diagnos planu orient DOT- I* pag 36 +- Griseo-tomemosus folus ambilu late lineanbus elongatis 2.0 — M^o^1.9

- foholic dtmuDi sejuiciis oblongo-ellipticis letusis, pedunculo longissimo. foliis
 ciliatis post anthesin ovato-capitatis, dentibus calycis tubo subaequilongis
 legumine ovato oblongo pilis rufescentibus deasissimis patulis ejus diametro nequi-
 longis obsito — *A. enynthifolius* (3 *Bdoides* DC — Crescit in Libano, nionle
 Hennone in latere occidentali supra Hasbeva
- ? V OXYTROPICIFOLIUS Boiss 1 c p 37 f — Acaulis lotus griseo- vel flavido-lanatus
 caudicibus brevibus nudis rosulas paucifolias edentibus foliis ambitu oblongo-
 linearibus 20—25-jugis foliis >alve appressis breviter hinc — I cctangulatis,
 a pice tinnatis pediculis ascendentibus folia paulo superantibus pilis patulis superne
 saepius nigricantibus hirsutis spica densa ovata, fructifera oblongo-linearibus
 calycis linearibus medio-basipidis, calyculo tubo aequilongis calycis dense rufescentis
 lilioidibus densibus setaceis, tubo dimidio sublongioribus corolla violacea calyce sesqui-
 longioribus ACXIII oblongo alas cannamque quarta parte superanti legumine oblongo-
 truncato pilis sordido albis patulis ejus diametro aequilatis dense hirsuto. in mucio-
 orum submucivum tenuem eo sublongioribus emittunt — *A. emmgalius* var *Auct*
 non *Labi* — Crescit in alpibus totius Anatoliae mediterraneae, Cadmi supra Colossam,
 Cune, ad Tcheltickchi et in monte Davros Pisidiae, in collibus porro prope
 Aleppum
- * A LISTOMAE Boiss 1 c 37 f — Subcaulis lotus crispo-lanatus griseus caudicibus
 abbreviatis prostratis nudis foliis radicalibus paucis remotiuscule 25—30-jugis
 ambitu late linearibus foliis linearibus eclangulatis, apice truncatis retusis pedun-
 culis crassis recis iacemum longum densiusculum crassiusculum ferentibus bracteis
 linearibus etactis calyceque patule rufescenti-hirsutissimis subaequilongis dentibus
 calycis linearibus setaceis tubo subaequilongis, corolla e sicco purpurascens calyce
 duplo longioribus legumine — v — Crescit ad rivulos in parte superioris montis
 Elmodagh Anatoliae
- I V DENSIFOLIUS Lam Ditt 1 317 — Boiss 1 t 35 f — Griseo-scucous foliis
 ambitu angustis linearibus hirsutis 20—25-jugis foliis nuncim vnde approximatis
 lobulatis KMUSIS, pedunculo folia linearibus superantibus, foliis in rapitulum ovato-rotundum
 deusissime aggregatis, calycis adpressiuscule nigricanti-hirsuti dentibus setaceis
 dimidio tubo longioribus legumine ovato compresso lana longa laxiuscula lilioidibus, in
 mucronem tenuem rectum eo triplo brevioribus attenuato — *A. Host* ant Boiss —
 (Wlprs Report II 864 no 10) — Crescit in Armenia, in monte Argeh Cappadociae,
 monte Ghaidagh Taun Isaurici alt 7500—8000 ped
- 5 A CHRYSOPHYLLUS Boiss 1 c 38 — Basi suffrutescens pluniceps subcaulis, totus
 indumento flavo-olivaceo obsitus foliis ambitu late linearibus sub-40-jugis.
 foliis ovatis retusis valde approximate pedunculis folia paulo superantibus, foliis
 >n capitulum prius glosum, post anthesin ovatum dense congestis bracteis linearibus
 tubum calycis subaequantibus, calycis patule rufescenti-hirsutis densibus linearibus
 setaceis dimidio tubo sublongioribus corolla leucophaea-violacea hinc sesqui-
 longioribus leguminiibus pilis rufis longissimis hirsutis ovato-triangularibus
 subcompressis, in rostrum rectum us aequilongum sensim attenuatis — 4 *Roalato* Boiss —
 (Wlprs Report II 864 no 10) — Crescit in Sueviae montibus prope Antab et in
 monte Mouzovirdagh Cappadociae
- H A CRIOPHYLLUS Boiss 1 c 89 f — Acaulis nuda. totus densus et adpressus
 4criLeo. lanatus griseus foliis abbreviatis linearibus 18—22-jugis foliis
 ovatis ovato-oblongis etiam adultis coniugis linearibus connatis pedunculis folia
 superantibus foliis in rapitulum paucioribus rotundum dein ovatis congestis
 linearibus oblongo-linearibus calyculo tubum subaequantibus calyceque dense et
 hirsutis dentibus rufescentibus linearibus setaceis, tubum dimidium sub-
 aequantibus, corolla albida calyce subsesquilongioribus legumini pilis lotigissimis
 rufescentibus hirsutis oblongo-compressis in mucronem brevem lettum attenuato
 Gataci in monte Tauro

- 7 A CEURFTI Boiss 1 c 39 f — Anulis, totus biewssime tonientosu* gii&eus caudiculis filiformibus nudis, apice paucifolii<, folns 20—25-jugis, lohohs niiumit* ovato-oblongis rectis appiounlis sed demum non conliguis pedunculo ascendenti foliis subduplo longioribus capitulo ovato denso brattu>> lncei i -setacuj*. calyciuo tubo subaequilongis* cncis patule bispidi infcine \alde attenuati denlihus sclncis palulis flexuosis, lubo tnplo brevionibus coiolla rosea calyce sesquilongioribus, k gumme — Cmscit in ipso Ctdieto Libam septenlionem "versus rarus
8. A FAPITO Boiss 8c Hohcn 1 c 40 f — Totus pilis ulpicssj* guseus i ulice ICM-ticali crassa collo caules plures bivissimos pioenm^nlcs m caespium donec confertos odentis folns hicMssimis 10—15-jugis, foliolis mimmis ellipticis com-jilicentis imbucato -confutissimis stipulis* membrinncis tuang-ul n lms. basi extenon in unam bic\iter connatis, pedunculo tomentoso folns acquilongo caespilc MX exserto. capitulo dnso compacto o\ato-globoso, bracteis oblongis Mrcscnlil)is hirsutis tahus tubo subbi (\ioubus calycis albidis InibUli denlibus line in-setaccis In^pidis tubum subnequantims, coiolla flavido-lucopbnca MX lucMonbus vexillo oblongo alns cannm(jio subaequilongas pium supcianli, legumine . » — Crescit in monle Tot>clial prope Teheran
9. A PESTALOTZ/AC Boiss 1 c 41 + — Pciuims, cauliculis tenuiter filiformibus rependbus caulibus 1—3 pumilit tenuibus adpressis canecentibus, folns pncis, petiolo tenuissimo suffultis 14—17-foliolatis, foliolis elliptico-linearihus rectis, utrinque adpre^se cncoscentibus stipule margine folnceis pilis mgni albisque adpressis JurtH in unam oppositifoliam ad tertium partem usque bilidam coalitis, pedunculo subsolitano folns acquilongo, rapulo 6 — 9-floio bracteis oblongis& nigiosotosis, calyce tnplo brevionibus, calyce c^llndllo adpresse albo-nigroque setoso, denlibus setaccis patulis dimidio tubi parte longioribus 'corolla pallide violacea calyc<c torlia parte longioribus, \e\illo glabro lineari alls quaita parte longioribus, aha rectis carmam paulo superantibus, legumine 7 — Crescit in montibus propt Lmalu Ljeme
- 10 A. EUBRYCHIOIDES Boiss 1 c 41 f — Perennis caulibus clatis icieibub& stnals adpresso pilosis simplicibus vel rariulo uno altPio\e aullai instructi^, folus a basi pelioli 12—15-jugis, foliolis utnque adpressis canescenlibus elliptico-linearihus aculiusculis, srpulis membranaceis m unam oppositifoliam ullia modium in 2 denes inaugiars bifidam concretis pedunculis crassis folio longioribus, opitulis densis oblongis, sub line antheseos apice altcmnlis bracteis lnceibus calycis tubo aequilongis talycis tubulosi pilis albis adpressis bisulci dentibus setaccis lubo tnplo brevionibus, corolla rosea calyce plus duplo longioribus, \c\illo lineari al<> fcie duplo superantibus, alis linearihus obtusis cannam paulo superantibus, legumine striclo bic\iter oblongo-linoan teicti, sutura inferiori sub^ulcato, in rostium brevissimum sublecur^uul attenuato — Crescit in Gappadocia onenlali
- 11 A MEDICAGLNLUS Boiss 1 c M f — Caulibus sulcalo-sln His pilis albis bievibus parce et adpressissime sub lenle obsitis, ^ujtcine ad pedunculorum ortum divergentiD¹ ot subdichotome coymbosis, pcliolis supia basin b—7-jugis, foliolis ellipticis acutiis* culis utnque parce et adpressissime bir\iji «ti)ilis membianaceu* in unam oppositifoliam bidenlatnm biCMti concretis pedunculis sulcalis ngidis folio 2—3-plo longioribus, capitulo ova to, bracteis lineari-setaceis, calyce nullo brevionibus, f^onibus p&' tentibus, calycis adpresse albo-husiti dentibus lineari-setaceis lubo tnplo bieviori bus, corolla caeruleo-Molacea cilyce plus duplo longioribus vexillo lineari glabro caiiQ^{fl} duplo longioribus, alis cannam paulo superantibus, legumine adpresse cano minimo, calyc^in vix superantibus oblongo-hnca in mucronem subincurvum bievissimum attenuatOt subtus sulcato — Crescit in Mesopotamia inter Oifa et Suerek.
- U. A LILACINUS Boiss 1 c 42 f — Collo induiato multicaulis, totus adpressissim* senceo-canescens caulibus ascendentibus brevissimis, folns radiceibus, caulis p>''' cis, petiolo tenui, ypedio 8—12-jugo, foliolis anguste ellipticis aculiusculis, utriusq^{''6}

seuceis, siipuks hshano-membranacois in unam oppositifoliam bicuspidatam concretilis peduncuhs caule fohisque multo longionbus slnctis, spicis* densis ovatis, fructifens oblongis, bracteis setaceis nigro-lurtis, calyce triplo brevionbus, talycis pilis albis nignsqc dense stncei dentibus nigns lubo dimidio aequilongis, corolla lilacma nljcc duplo longion, vexillo linean glabro alis cannaquo subaequahbus tertia pane longion, legumine adpresse luito mmimo calytem ú&sum vix superanti oblongo subcompicisso, subius sulcato, in losirum brove sub incur \um attenualo.— Ciesçit in Per̄sia borcali ad radices montis Demawcnd pi ope Lai

H A I \PANSUS Boiss, 1 c 13 f — Tulus ndpicisse canescens, basi multicaulis cauibus basi ntnosis longis^imis humi expansis tcreti-stnatis tenuibus, peliohs paulo supra J isin 6—8-ju^ais foliolis infeuoium ovalo-oblongis, supenorū elhptico-lineanbus stipuhs panis membranactis in unam oppositifoliam truncato-bidentatam contietis |cduncuhs folio subduplo longionbus capitulis flonfens ovnto-rotundis densis, fructifens oblongis, bracteis oblongis hrcvis*>imis calyce latere superiori (sub vexillo) albido hjahno, infonon pilis albis nignsqc adpressis birlo, dentibus linean-setaceis dimidio tubo sublongionbus, corolla caeruleo-violacea calyce triplo longion, vexillo glabro oblongo-hnean recurvo alis tertia pane longion canna alis brevion, legumine adpresse cano, tilyccm pirum excedenti oblongo, subius sulcato, in mucronem brevem vix curvatum attenualo — Ciescit in colhbus calcareis prope Rascheya Antihbam

11 A. HI LDREICHII Boiss 1 c 43 f — Basi suffrutescens, totus indumento adpressissimo substngoso seuceus vel senceo-fiavidus cauibus abbreviatis proslratis, folus brevibus a basi dense 7—10-jugis, fohoh* oblongis vel oblongo-elhpticis ramimis, siipuks in unam oppositifoliam ovalo-rotundam obtuse truncato-bidentatam couhtis, podunrulis loho 3—4-plo longionbus capiluhs ovalo-rotundis bracteis minutissimis ovatis cahcis pihs albis nignsqc adpressis seneci dentibus nigerninis tubo triplo brevionbus corolla cahec i' / -plo longion, vexillo glabeinmo anguste oblongo ak> quaita paite sua vix longion canna alas subaoquinti legumine I — Ciescit in pascuis saxosis rcgionis alpinac montis Davios dagh Pisidiae all 5000—6000 ped. et f admo supra Geyia

15 A TEHLRANICUS Boiss a Iloben 1 c 44 + — Totus pilis adpressis cano-argyricus rhizomaic hgnoso cnespnoso multicauh cauibus flhformibus ascendentibus pedunculos 1—4 divincatos, folio duplo longioies cdentibus, ad eorum insertionem clivancatis folus brevissimis dense 4—7-jugis., foliolis nunimis oblongis aculiuscuhs ^ubcomplicuis stipuhs nunimis heibiteis in unam acute bidentatam brevissime con'retis, capituhi. donsis subrotundis bracteis hnean-setaceis, cal^cistubo dntudio brevionbus, calycis dense el adpresse albo-birsuli dentibus linean-setaceis lubo terlia parte brevionbus corolli pupureo-violacea, cMvce subduplo longion, vexillo oblongo, apice attenuato acutiusculo alis cannaque subaequahbus quarta parte longion. ovano hncm recto adpresse hirtello, legumine . ' — Crescit in lapidosis prope urbem Teheran

16 V MCIUS Boiss 1 c 45 f — Totus pilis adpressissimis gnseo-canescjns caudicc lignoso pluncauh cauibus rectis tenuibus stnatis simpheiusculis, petiolis paulo sul'ia basin dense 11—13-jugis foliolis minutis oblongo-elhpticis subcompheatis obtusis peduncuhs folio 2—3-plo longionbus spicis bicvibus ovatis pauciQons laxiusculis bracteis lanceolate cahce muhoties brevionbus, caljcis adpresse albo-hirsuti denli-^jus setaceis tubo quadruplo brevionbus corolla purpureo-violacea, calyce tnplo longioii VPMIO hnean retuso alis carinaque subaequahbus tertia paite longion legumine adpiessissimc hirtello angustissime hnean-cyhndnco, supra nervo prominenti, ^vsubtus sulco percurso calyce duplo longion, in rostrum longum deflexo-recurvum apico aitenuato — Crescit in Lycia prope Llmalu

17« A ELBRUSENSIS Boiss 1. c 45 f — Totus dense el adpresse argyreo-canus caudicibus induiatis, cauibus ad rosulas fohorum bubclongai^rfiductis, folus conferus

brevitei petiolatis dense 7—9-jugi* foil oh s minutis ovaio-elhpticis obtusis stipulis membianaceis albis in unam oppositifolium breviter bidentatam coactis ad basin pedunculi imbricate pedunculis scapiformibus lolio triplo longioribus capitulis breviter ovatis densiflori* bracteis setaceis tubo calycis dimidio brevioribus CALYCIS pilis albis nigisque paucis adpressiusculis senceo - hirsutis dentibus magnis setaceis, tubo subacquilongis corolla violascenti calyce sesquilongior venillo oblongo-lineari in suprema subattenuato obtuso alis quarta parte longiori alis cannam paulo superantibus legumini adpresse cano anguste elongato - oblongo apice in mucronem rectum brevem attenuate calyce viv longior — *A. alyssoides* Kotsch — Crescit in jugo Chai Gerdtm* supra Asadbar in parte occidentali in montibus Fluj u alt 8000 ped

- 1^ A AMAIECITANUS Boiss I c 46 f — Basi suffrutescens caespitosius lotus idem pilis bipartitis cano-sentibus caulibus brevissimis erectis foliis bipartitis lobis caulibusque brevissime petiolatis 3—4-jugis foliolis oblongis acutiusculis stipule glumaceis lutescentibus glabris apice ciliatis in unam oppositifoliam vaginantem dongatim lanceolatam in folio brevitei bidentatam pelioh pane nuda longiorum concaetis pedunculo folio paulo longiori apice 4 — 5 flores capita totae ferebuntur bracteis Jmeiri-lanccolatis calyce triplo brevioribus calycis pilis nigris paucisque magnis hirsutis dentibus nigricantibus Imeanbus tubo quadruplo brevioribus flonibus. leguminis juncum cilyco laccio in longiori oblongo iruto submutico lana alba densissima ejus dimidius aequilonga villosa — Crescit in regione Amalecitarum ad fines Palaestinae ad meridiem urbis Gaza

S 2 *Uissuiflon* DC 1 c 284 — Kercit 1 696. II 864 V 517, Anna! I 236

- 19 A SANCTUS Boiss Diagn plant orient nov I p 47 f — Basi suffrutescens caespitosa - multicaulis lotus pilis bipartitis adpressissime cano - senceus aspor caulibus brevissimis rigidis fragilibus erectis angulato - (laxuosis petiolis erecto-petiolis rigidis lobis bipartitis lobis caulibusque brevissime petiolatis 7-jugis foliolis oblongis vel oblongo-Imeanbus oblongiusculis stipulis minimis a petiolo et motu se libens triangulatis acutis pilis magnis adpressis pedunculis exsertis caule saepius plumbosus rigidis folio subacquilongis racemum laxum brevem 0—7-llorum ferentibus biaculis in angulo linearibus brevissimis petiolulo aequilongis caulis longe tubulosis subgibbis pilis albis nigricantibus adpressis birsutis dentibus linearibus nigricantibus tubo multoties brevioribus corolla flavida calyce triplo longioris vtilis subcaulis ilas carum* at lilionas MX supertentis leguminibus reflexis linearibus subcompilatis, falcato - recurvis calyce plus triplo longioribus ipse alienatis KUIIS margine inferius convexis, superius MX. canalis adpressis pilosis asperis — (in monte Oliveto prope Bethaniam in Arabia palestinae palestinae ubi forma quoque foliolis anguste Imeanbus occurrunt)
- 20 A ANGUSFATIS Boiss 1 c 47 f — Basi suffrutescens pluricaulis totus pilis bipartitis adpressissime cinus aspor caulibus brevissimis rigidis rectis foliis subtripjugis foliolis imoliusculis oblongo ellipticis. utrinque interstitiis ictis stipulis minima < petiolo et interstitiis se libens lanceolato-lineariibus pedunculis folio subacquilongis lacum laxum 7—9 foliorum ferentibus flouibus subsessilibus patulis bracteis minimis linearibus petiolulum subaequantibus calyce longe tubuloso basi subgibbo, pilis albis oignisque raris adpressis hirsuto dentibus brevitei linearibus tubo multoties brevioribus corolla flavida calyce subduplo longiori vexillo oblongo apice reflexo alis cannamque subaequilongas parum superantibus leguminibus deflexis angustissime lineariteretistulis falcato - recurvis calyce plus quadruplo longioribus, adpressissime pilis albis nigisque aspersis — Crescit in Persia prope Isfahan.
- 21 \ CABULICUS Boiss 1 c 48 f — Basi suffrutescens pilis adpressissimis sparsis mulifloris asperius pallescens caulibus virgatis tenuissimis eisdem ramosis remote foliosis lino supra basin 3—4-jugis foliolis oblongo - ellipticis, utrinque attenuatis acutis subcaulis subrevolutis albicantibus, stipulis foliaceis

iiianguianbus, a petiolo et inter se libens pedunculo virgato foliis longioribus, in racemum tenuem, superne densiusculum inferne laxissimum abeunti foliis minus subsessilibus calycis obconici pilis albis nigrisque adpresae hirtelli dentibus lineari-setaceis, tubo subaequilongis corolla (e sicco) leucophaca calyce duplo longior legumimbus demum pendulis oblongo-linearibus rectis teretiusculis, subtus piolunde sulcatis acutis calyce quiniuplo longioribus pilis sparsis tenuibus nigris adpressis* sub lente obsitis — Crescit in regno Cabulico #

U A TOUOLOBUS Boiss ft Hohenack I c 49 f - Totus pilis biparus mediflexis adpressissime canus basi suffrutescens caulibus ascendentibus virgatis brevibus paucifloris in pedunculos saepius binos folio multo longiores virgato* hirsutissime racemosos abscissis foliis 2- vel 3-foliolatis foliis longis angustissime linearibus acutis senceis, stipulis luteo-membraceis in unam brevem biter bifidam oppositifoliam concretis caecis pedicello eo triplo brevioribus basi minute bracteolato suffulio oblongo, basi attenuato pilis albis nigricantibus & quibus bievibus adpressiusculis hirsuto, dentibus triangularibus acutis, tubo quintuplo brevioribus, corolla caeruleo-purpurascens, calyce plus duplo longior vexillo oblongo attenuato acutiusculo, alas acutiusculas carina paulo longiores breviter superantibus legumibus ovato-oblongo compresso, in mucronem brevem acuturam attenuato pilis flavidis ejus diametro aequilongis dense hispido in summitate item calycem dimidium aequantem basi attenuato — Crescit in schistosis montis Elbrus prope Derwend

23 A SCHISTOSUS Boiss & Hohenack I c 49 f — Totus adpressissime pilis bipartitis canescentibus - senceus caudice suffruticoso caules plures herbaceos erectos teretes* edenti petiolis a medio remote 4—5 jugis foliis foborum radicalium ovalo-oblongis brevibus ciliatorum angustis linearibus elongatis acutis stipulis inferioribus in unam abbreviatam albo-pellucidam brevissime bidentatam oppositifoliam coalitis superioribus triangularibus inter se fere liberis pedunculis longissimis folia multoties* superantibus laxe inflexis demum laxissimis, bracteolis lanceolatis minimis, calycis subsessilibus rubellis adpressiuscule hirsutis denibus linearibus tubo triplo brevioribus corolla purpureo-violacea calyce duplo longior vexillo oblongo alas paulo superantibus canna paulo longioribus legumibus junctis anguste hinc sericeo calyce triplo longior arcuato — Crescit in schistosis montis Elbrus prope Derwend

S 3. *Onobrychioidei* DC 1 c 284 — Repeit I. 698, Annal I. 236

^4 A CYANEUS A Grav Plant Fendler 34 no 148 — Subcaulescens caudice multiplici stipulis triangularibus vel subulato-lanceolatis foliis 9—14-jugis ovato-rotundis ovatis oblongisve cum petiolis pube minutissima stigmatilosa appressa utrinque glandulosis pedunculis scapoideis folia subaequantibus angulatis 8—12-flores pedicellis brevissimis bracteam subulalam aequantibus calyce pilis griseo-nigricantibus appresso-pubescentibus, denibus subulato-setaceis tubo cylindrico dimidio brevioribus corolla cyanea leguminibus cartilagineis puberulis rugulosis dimidiolincanibus acuminatis sursum curvatis lurgidis polyspermis sutura dorsali profunde sulcata intrallexa incomplete bilocellatis auribus centralibus eitis prominente — Crescit in Nova Mexico ad St Fe — Num reele hujus loci?»

« *A MEXICANUS Alph DC PI nov hort Genev V 17 tab 3 — Repeat I 7W — A Gay. Boston journ of nat hist. VI t76 — A *trichocalyx* Nutt — Wlprs. Repeit I 700 no 52. ft 111 Emend p. 4

S 4 *Sesamet* DC 1 c 287 — Reperit I. 701. II 866.

26 A SINAJCUS Boiss Diagn. plant orient nov IX p 57 f — Annuus totus glaberrimus caulibus subnullis diffusis foliis brevibus, a basi fere 8—10-jugis, foliis ellipticis adpressiuscule hirsutis, stipulis triangularibus lanceolatis acutis capitulis axillaribus subsessilibus caulis deatibus lanceo-cylindricis, tubo aequilongis foliis ? legumibus stellatis patentibus patule hispido hinc turgidis, supra carinatis subtus sulcatis a basi laeviter attenuate acutis, — Crescit in desertis montis Sinai

- 22 A. MINUTUS Boiss 1 c. 58 f — Annuus, totus adpressus Inrsuto-sericeus caulibus brevissimis diffluso-piocumbentibus, foliis brevibus 4—6-jugis, foliolis minutis ellipticis oblongis vel acutiusculis, stipulis triangulano-lanceolatis acutis capillis sessilibus axillaribus paucifloris foliolis minutis, calycis patule albo-hispidi denibus subulate, tubo fere longioribus, tubo in ore violaceo aequantibus vexillo lineari paulo superantibus, alis canaliculatis superantibus, leguminibus stellatis poicibus bibeus sub-
 «ii unis» subtrijunctis, adpressis latione retuso-bigibba allenuatis acutiusculis, supracine bicarinis, subtus sulcatis adpressissime hirsutis — Crescit in Persia prope Ispahan, Peisepolin et Teberan.
- 28 A. ERPOCAULOS Boiss 1 c 58 f — Annuus caulis filiformibus procumbentibus elongatis paucifloris hirsutis, folius 6—7-jugis, foliolis adpressis gaseo-caneis ovato-oblongis acutiusculis vel oblongis stipulis minimis lanccolato-lineari hirsutis capillis 4—5-floris axillaribus brevissimis pedunculatis biatis seiaceis talcinum tubum dimidium aequantibus calycis adpressis laticulis minutissimi dentibus setaceis, tubo brevioribus corolla calyce vix longior pallide carnea vexillo retuso rarioribus longioribus paululum superantibus, leguminibus adpressis pubescentibus ovatis, a doiso subcompressis obtusiusculis, basi truncatis, iuperne convexis. inferne sulcatis. — (i escit in deserto Arabiae petraeae
- 29 A. SYMOIDES Boiss 1 c 59 f — Annuus caulibus elongatis diffusis sulcatis adpressis hirtellis folius laxiuscule 5-jugis. foliolis oblongo-uneis obtusis, supia paucifloris, subtus copiosius et adpressis laticulis Imsulis, stipulis minimis a basi lineari tenuissime setaceis nigro-pilosis, capillis minutis densis, pedunculo folio longioribus, bracteis lineari-seiaceis, calycino tubo subaequilongis, calycis pilis albis nigrisque adpressis hirsutis dentibus setaceis alas subaequantibus, tubo sublongioribus, vexillo violaceo angustulo alas caetera parte superantibus leguminibus erectis sincis in capitulum densum rotundum confertis tomentellis oblongo-lineari obtuse triquetris subincurvis, supia subcannatis, subtus sulcatis, in mucronem brevis tenuem incurvum attenuatis — Crescit in regno Cabulico.
- 30 A. AMMOCRYPTIS Boiss 1 c f — Annuus, pilis adpressiusculis gaseus: caulibus brevissimis prostratis, fructifera indurata sulcatis glabris, aena sepallibus caespitibus pulvinarem minimum formantibus, loricis 7—8-jugis, foliolis anguste elliptico-lineari acutiusculis/ stipulis minimis membranaceis teneris iriangulo antheris acutis hirsutis-jugis, floris 4—5 in capitulum villare brevissime pedunculatum confertis nudis. calycis anguste tubulosis basi allenuatis membranaceis glabris denibus seiaceis albo-bispidissimis, tubo dimidio brevioribus, corolla e sicco obrotunda, caetera sesquilongioribus. vexillo valde attenuatis acutiusculo recurvo, alis canaliculatis superantibus tertia parte longioribus, leguminibus glaberrimis. a basi latione bigibba attenuatis acutiusculis oblongo-triquetris arcuatis, supra subcannatis, subtus pedunculatis tenuiter reticulatis venosis, arena sepallibus. — Crescit in deserto Arabiae petraeae ad Ques Paine stinae.
- 31 A. PERSEPOLITANS Boiss 1 c 60 f - Annuus caulis lenibus prostratis brevissimis, folius longiuscule petiolatis sexjugis, foliolis oblongis retusis, superne glabris, interne adpressissime canaliculatis, stipulis a basi triangulano-lineari acutis, infimis petiolo adnatis, floris minimis in capitulum pedunculato brevissimum ovatum laxiuscule et subverruculatis dispositis violaceo-rubellis pedicellatis calycis lacinis setaceis flexuosis, tubo aequilongis, vexillo caetera duplo longioribus. valde recurvo alas superantibus, canna apice intense violacea alis brevioribus. leguminibus oblongo-subtrijunctis acutis, facie superne canaliculatis, inferne sulcatis transverse nervulosis, adpressis et parce bibratis. — Crescit in regno Persiae »^D Peisia australe.
- 32 A. WRIGHTII A. Graj, Bost Journ. VI. 176 adn f — Annuus pumilus hirsuto-canescens. caule subsimplici, stipulis subulalis liberis, foliolis 3—5-jugis oblongis acutiusculis. pedunculis folio longioribus paucifloris, floris capitatis. calyce hirsutissimo. lobis lineari-angustis attenuatis, corollam violaceam superantibus, legumibus

oblongo hirsuto subtercii fere biloculi 6 — 4-spermo (limidio brevioribus. — Crescit in republica Texensi prope Austin.

§. 5. *Vesicarii* DC. 1. c. 288. — Repert. I. 701. V. 518.

33. A. MELANOCEPHALUS Boiss. Diagn. plant, orient, nov. IX. p. 50. f — Totus pilis biparvulis adpressissimis obsitus canescens pallide virens: caudicibus siffifrulescentibus procumbentibus; caulibus erectis brevibus canis pedunculatim unicum foliis multo longiorem edentibus; foliis remotiuscule 4-jugis; foliolis oblongo-spathulatis obtusis inferne attenuatis, supra pallide virentibus, subtus griseis; stipulis brevissimis triangularibus liberis nigro-pilosis; floribus 6—10 densissime capitalis subsessilibus; bracteis linearibus pedicello duplo longioribus; calycis pilis aliis albis, aliis copiosioribus atris orcto-palulis dense hirsuti fuliginosi dentibus linearibus atris palulis, tubi tertiam partem aequantibus; corolla flavida calyce vix duplo longiori; legumine calycem distensum, dein fissum paulo superanti oblongo-subcompresso in rostrum breve tenue subobliquum abrupte attenuato dense albo-lanato. — Crescit in montibus Tauri Cilici.
34. A. NITENS Doiss. & Hledr. 1. c. 51. f — Totus adpresse sericeo-argyreus: caudicibus lignosis prostratis; caulibus brevibus ascendentibus densiuscule foliosis; foliis brevissimis 2—4-jugis, foliolis palulis linearibus aculiusculis; stipulis liberis adpresse setosis triangularibus acutis; pedunculis in caulis parte superiori solitariis dinisve, folio multo longioribus; floribus 6—9 per anthesin dense capillatis, dein laxiuscule et brevissime racemosis; bracteis ovato-triangularibus brevissimis; calyce cylindrico pilis albis vix adpressiusculis dense sericeo, dentibus nigricantibus pilosis linearibus brevissimis, tubo multo brevioribus; corolla e sicco flavescenti, calyce sesquialongiori; vexillo oblongo alas alisque carinam paulo superantibus; legumine calyce distenso, dein fissum sesquialongioribus flavido-lanatis oblongo-cylindricis subcompressis subarcuatis lacere inferiori (convexo) sulcatis in mucronem brevissimum rectum abrupte attenuatis. — Oescit in collibus aridis prope Koniah Lycaoniae, in Lycia prope Elmali et in Cappadocia.

§. 6. *Annulares* DC. 1. c. 289. — Reperl. I. 702, Annal. 1. 237.

35. A. TGNUIRUGIS Doiss. Diagn. plant, orient, nov. IX. p. 61. f — Annuus, sub lente pilis albis adpressis parce hirsutus: caulibus procumbentibus sulcatis sulcatis; foliis 6—7-jugis, foliolis petiolulatis cuneato-oblongis, supra glaberrimis, subtus ad nervum hirtellis; stipulis viridibus albo-marginatis triangulari-lanceolatis ciliatis; floribus 4—5 racemum sub anthe si laxe capitatum, dein valde elongatum, pedunculo folium aequanti vel eo longiori sulcatis formantibus; bracteis membranaceis linearibus, pedicello longioribus; calycis pilis albis nigrisque sparsis adpresse hirsuti dentibus linearibus, tubo dimidio brevioribus; corolla pallide carnea, calyce duplo longiori; vexillo recto lineari alas quarta parte superanti; leguminibus recurvis falcato-recurvis, calyce multoties longioribus lineari-compressis, margine convexo sulcatis concavo-planiusculis globerrimis, dorso tenuiter et latere obsolete reticulato-rugosis in mucronulium brevissimum curvatum abeuntibus. — Crescit in regione Bestan et in arenosis deserti Palaestinae finilimi.
36. A. LARICUS Boiss. fit Hohen. 1. c. 61. f — Annuus, pilis parvis adpressis hirtellis vel glabrescens: caulibus lenibus teretibus prostratis; foliis 6—7-jugis, foliolis minutis complicatis elliptico-linearibus truncato-retusis; stipulis triangularibus acutis glaberrimis; floribus paucis laxiusculis capitalis; pedunculo stricto folio vix longiori; bracteis minutis oblongis pedicellum vix superantibus; calycis parce et adpresse nigro-hirti dentibus triangulari-linearibus tubo quadruplo brevioribus; corolla pallide violacea calyce plus duplo longiori; vexillo oblongo-lineari alas carinamque subaequantibus superanti; legumine calyce 4—5-plo longiori erecto lineari-compresso subarcuato glaberrimo. sub lente tenuiter reticulato-venoso, apice in mucronem rectum brevissimum abeunti, ad marginem convexum anguste sulcato, ad concavum aculo. — Crescit ad radices montis Demawend prope Lar.

- 37 A *CALLICHOUS* Boiss 1 c 2 f — Anmis. Joints pilis albis spiis palulis vel adpiessiusculis hntulus lmgit* minime gnscus caulibus bie\ibus numuosis. piocum-lientibus vel ereclis folus 7—9-jugis, foliolis lolioium infenorum lincan-capillaccis ahoium magis ininusve anguste ellipticis vel lineanbus obtusiu&culis slipulis minimi^ unnguliribus flonbus 5—8 densiuscule in capilulum peduntulo folio *uquilonbo sul fuliun congcslis bnclis lineanbus pedicclo longioubus ciljus acpicst piliu allu mgrisque copiosioubus vestiti dentibus linean- setacus dimulio tubo Miblongioribu« corolla intense violaceo-caerulea calyce plus duplo longion ilis lincanbus canniui superanlibu*, leguinibus longissimis lineanbus subcylmdncis falcato-revums acuti^ pilis brevibus idpiessis scabndis ad margin cm con\evum late sulcitis, ad coricavum lotundatis — Crescit in plamtic Amalecитайum Arabiae petraeae contermina et inici Hierosolyniam et Jencho

f *Puipui ascentes malt dtscnph*

- 38 A *OVALLEWSIS* Closs in Gay. Hist de Chile (Bot) II 116 — Valde lamosus lanns elato-erectis, longiioisum sli lalis subglabns laevigatis peliolis flifoimibus erectis bisi oblique decurrentibut., foliolis 12—14-jugis lineanbus subacutib vindibus, utnneque pubentibus, slipuliu paivis subnullis podunculis longis^nnis, a mtdio llonlms racAis laxis, flonbus pams flavo-rubtllulis calyce bievier tubuloso albicanti pu beiuo quinquentato liuctu immaiuro anguste conico complanalo pubescenle sub-tnspcimo — Habitat in Chile
- 39 \ *BLSTII LOSII* floss in Gav 1 cit pag 117 f — Planta sicu^sima lamis palulo-humifusi- bubcontorlis, bisi denudata, longitioisum c uialiculatis nmo^isvc foliis fastintini ad summos lamulos dibpusiUs subgiamuuforniibu's peuolis ttuissimis, inlm nudi», foliolis 4 — o-jugis niimmis ovalibus oblongi^ve, MV pubenlibus pedunculi^ umflons brewbus, caljce tubuloso 5-denlalo coiolla calvcc quadiupo longion flaolubellula legumine o\oidco-ellipLico mediocn comphnato nitido-albicanti sub-3-spermo, maigimbus non inflexis — Habitat in Chile
- 40 A *SPHALROCARPUS* Closs in Gay 1 cit p 119 + — Totus pubescens ramis longitudinalaei sulcatis, peuolis basi nudis, foliohs 8-jugis. oblongo- lineanbus, apice obtuiis, valde pubentibus inltgns stipulis linean-lanceolalis pedunculis longissimis laceniis longis laxis multiflons flonbus parvis lubellulis calyce breuter campanulato subiufoescente pubeiuo quinquefldo legumine o\oideo-piano cincreo-pubenie — Habitat in Chile
- 41 A *>LSICULOSLS* (loss in Ga\ pag 120 + — Multicaulis tomentosus semipedali* LIUIS bast denudatis bratteis vaginiis et s>ubtetiaornis lubentibus, apicem \eis loinentosis (olns gnseo - toinentosis bieivibus turvis. foliohs sub-11-jugis, valde appioximalis «llipticu* mtegiis, ptdunculis folio bie\ionbus dense congestis rubris. caljcc campanulato qfnqucfldo pube^cciiit, logumine infldio - vesiculoso sphaeioideo puberulo giho — Habitat in Chile
- 4^ A (») *LAMGIM)SUS* floss ID Gaj 1 cit p 121 f — Caulibus spithamaeis patulooieclis, siniul ac tola plania mcano-lanuginosis terctibus ligneis. petiolis terelibu^ <esquipolliraiibus funiculaubus ciectis, infima bnsi nudis foliolis circa 7-jugis cum impan, onto-oblongis integns cactus ignoiis — Habitat in Chile

Sectio II *OCHROLEUCIDC*

- £ 7. *Buceratcs* D(. 1 c 290. — Repeit I 702. II 867, Annal. 1. 237.
- 43 A *FALCLNELIUS* Boiss Diagnos plant onent no\ IX p 63 f — Annuus, totus adpiessiuscule cinereo-tomontellus ctulg «recio, mferne ramosissimo ramis erectopatulis abbreviati« folus 6—8-jugi> foholi^ oblongis obums petiolulatis, subtus inagis canestentibus, stipulis minutis tnangulanbus acutis, flonbus 3—5 in capilulum laxum, post amhesin elongatum pedunculo folio sublongion ^uffultum disposms biacteis lineanbus brejssimis cihcis pilis -l\bis adpressiuscule hirsuti dentibus linearibu^ tubo paulo longiQalni, coiolla ocbroleuca, caljce sesquilongion, vexillo alas can-

innque apite \iula>cenieni M\ supeianli legumme erecto linean-compresso falcaio idprbcsc pubcrulo caljie 5—6-plo Jongion aculo ad maiginem convexum sulcato cannis rotund itis id maigmem concavum cumato — Ciescit inteĩ Kahiram et p\ra-inides in Aegypto

- ii A HAUVRr\SI^ BOINN 1 (63 f — Annuus lotus adpiesse cineieo-senceus cau-
libu<s brcvibus procumbentibus foli> longiuhcule peiolaiis 1—2-jugis, foliolis magiis
oblongis retusis urminali pmlo majore stipulis lmnutis triangulanbus acini* meni-
branacoi!» husutib incemis huu^cult 3—5-llois pedunculo brevissimo suffultis bia
ueoli* ovaiis minimis cahcis adpiesse hirsuti deniibus lanceohiis tubo paulo bre-
vionbus coiolla ochioluca cahte subduplo longiou vexillo oblongo alas cannamque
paululum supennti legummibus adresse hirsutis erectis lmeanbus comprises fal-
ntis ncutis calyce muliolies longionbu<> ad margin em convexum sulcatis*. caunis 10-
lunditis, id coma\urn cannatis — Ciescit in dtsero Sinaitico ad Ilauua pi ope Ras
ilunmim ct in Aiabn pitraca

*> V VUI ACOLOBUS Boi^s 1 c 64 f — Annuus glaber pluncaulis cauhbus eieUius-
culis humilibus bisi imOM5> angulato-stu itis folns 6—7-jugis, foliolis oblongo-
•uncatis relusis stipulis mtmbraniceis trnngulan-lanceolatis hirtellis floubus 3—4
in niPinum laxiusculum pedunculo folio aequilongo suffultum approximate calycis
pilis ilbis> nignsqc adpicssiusculis linsuti dentibus lineun-setaceis nigio-pilois tubo
icquilongis coiolla ochroleuci caljce plus duplo longion \exillo oblongo obtuso
canmni nils paulo longiorecm parum supciauti leguminc glabernmo fusco-maculato
hnoaii-subquadrato valde folcalo recurvo patulo basi el apice atlcnudto, ad margmeim
convexum 1 ne sulcato angulis acutis ad marginem concavum quoque >cd obsolttius
sultato angulis rotundaus, — Crescit in Syria

- Ib *A PEIU GRINUS Vahl — DC Prodr II 292 no 107

'Na lolundifoha Uoiss Dngnos plant oneni nov IX p 62 — Folia tantum
j—f,-liit,a loliolis OMto-orbiculati>. Icgumini bic\ion magisque cunala — Grescit in
descilo iniei Kabiain el Suez

§ 8 (imoidei \H I c 292 — ttepeit 1 703 II 867

- i' A POL^BOTRYS Boiss Diagnob plant ontnt nov I\ p 64 f — Totus hreviler ct
(PILSC tomenellus flavescenti-gnseus caulibus terctiusculis procumbenlibus longissi-
mis filifoi mibus simplicibus jam infra medium ex axillis alternating racmos numerosos
foil is mullo bieviores subtnfloros laxos, omnes aequilongos edentibus, foliis brcTibus
sub-15-jugis, foliolis par\is oblongis obtusis approximate stipulis* mcmbianaceis bn-
sutis tnangulan-lanceolate acutis pams a potiolo ct inter se libens bracteis lmean-
nbus pedicollo duplo longionbus cahcis tubulosi tomentelli dentibus linean-subulatis
tubum dnnidium ftic supciantibus corollm flavam subaequantibus Aexillo alas parum
supoiinti kguminibub oblongo-hncaribus compi e^sis reclis, in mucionem breyem
rectum attenuati!», ad suturam mfcuorem subsulcalis hirtellis — Cres>cit in legno
t nbulico

« 10 Galegifoimes DI 1 c 294 — Repert. I 704 II 868

- ifi A (OLUTLOCARPUS Boiss Diagnos plant oiient nov IX pag 65 f — (aulibus.
eiettis vugati!, glabns slnato-subangulali* foliis 5—6-jugis, foliolis majusculis pe-
t-iolulais basi lotundalis ovitiM obtusis mucronulalis. utrmque sub lent* adresse ct
s^paisini hiilellis pallide vncntibus ciassiusculis flimis, stipulis scanosib lanceolatib
atutis, a petiolo et inter se libcus peduncuhs ex axillis supenonbus folia MX supe-
rannbus apice hirtellis flonbus m capitulum lei minale ovatum laxiusculum finclifeium
elongaium di^posHis., brevissime pediccllatis patulis biacteis lmeanbus SCBIOMS calj-
ce m dimidium nequantibus caljcis pilis albis nignsqc patulis spaisim hntelli den-
lbus supenonbus^a basi uiangulan lineanbub suisum submcurvis, mfenonbus lmean-
lbus paulo longionbus lubuin dimidium supennlibus coiollh (e sicco albida vel ru-
bella) caljcc duplo loifoon vexillo imn\o ili^ piulo longiw^ canna subtus angulo

IOcto CUM iila, npico acutiuscula, all* paulo bicviou iegunune pculdu oblongo inflato, sublu> sulcalo, apice attenuato acummalo, bdsj in slipnem filifoimtra eo brevior em attenuato — Cioscit in legno Gabulico

- 49 A GiMNOPODIs Hois* I c 6b f - (aulilms cicctis angulato-siiiiiiib. pilis bic>ibus adprcssis paicissime birtollis. petiole elongate s>I>itis slnclis, ba^i subtus cannaais remoussinriP 8 — 12-|ugis>, demum folioli* deciduis virgatis peisistentibus. folioli* nunulis glabresceniibus cliptico-lineaiibus obtUbi^, siipulis pam& tuangulan-lanceolatis scanosis, intoi sc et a petiolo lihci is pedunculis longi'»simi» ex axillis supreme orlis, folia multo supeiantibiib, longe la\pqic lacpmosis, fiuolu dolapso peisistentibus scopams, bracteis mininus scanosis ovaiu>, cal}ci< inembianacej, parcc pilis nigns ddpies^ib hntelli denlibus Imeanbus bicviMstims, corolla lutea cnlyce plus duplo longion legumimbus penduli* stipite eis dimidio biCMOii sulTullis glabeinmis lapvibus lineaiibus piano- compicssis, apice obtuse bicMSSimc et oblique inucionulalis — (.resell in legno Gabuliro.
50. A. MEDULHRIS Hoiss I c 66 f — Gliboi caulo crasso Leroti stnalo medulla farcto, folns b — 8-jugis,, folioli^ niagms iomotiusculit> petiolulatis ovatis, ba>i roinudatis \el trunciiiis, apice obtu^is mucionulalis, siipulis magm* foliaceis ovatio obtusis oblmue muuonuldiis, hsa>i utunqne laic IOti'iuJnto-aunculalis. pedunculis folia supei animus longe et laxiuacule iatoniosu>, lloribu^ jjiibsessilibu^ penduli^, biacteis lineanub membianaccis, cahcino lubo ghbio submbianacto flavescenii paulo brevionbus, mlycis* denlibus ttiangulanbus acutis , lubo qumtuplo bicMOiibus, coiolla lla\ a cahic st&quilongiou \e\ illo alab cannamque paulo superanii iHgumimbus lineaiibus piano - tompi essis., ulnnque attenuate glabns, apice acuiis, bast in siipiinn fliioiniejn tal}ti acquilongum abconlibus. — Ciestil in regno Cabulico.

§. 11. *Alopecuroidei* DC. 1. c. 294. — Repeil. II. 869. V. 518, \nnal. J. 237.

- 51 A SPECIOSUS Boiss a Hohcnack Diagnos plant orient, nov 1\ pag 67 f — Porennis caule eloto simpliti stnalo, superne el versus basin patule flnvjdo - tomen* tobo; folus 10—13-jug°is, petiolib bievur hispidis, foliolis o^ati^ oblUM^, superne glabris vel margine tantum pilosulis, sublus adprc&se MIOSIS cineia^ceniibus, slipuli* Iduceolatis glabris, extus birsutis, ntus glabii!>, capitulis mullifloib densis bie\iter ovatis sesj»ilibus |e| pedunculo us hrenou suffuJtjj., biacleu» Imenn-subuldtis, tubo cahcino brevionbus. cal}cis pilis patulis ugidis llavidis denMssime bi^pidi infine jsubveitricohi dentibus lineaiibus dimidium lubuin subaequantibus, coiolla sulphurea cahce \n duplo longion. veullo lccuno margmibus reflexo alib cannaeque subaoquilongis longion. legumine... ? — Ciescii in laucc Schudeie raontii» Elbrus, prop* Dei wend.

§. 12. *Chmhani* DC. 1. c. 295. — Repeil. I. 705. II 870.

- 52 A. ISOPETALU** Boiss. Diagnos plant, ouent no\ IX]• 67. f — Caudice indurato caules eiettos bie\es i basi folia floiesque feientes» edenti, loin* caule longionbu^ laxi&Mmc 4—6-jugia, foliolis oibitulati^ obiusj>5»imis, basi MjbcuneaUs, ^upia glabeinmis, sublub dense et brevitci lni^uUs. tineiei^ btipulis \M|T|H> flaMdis tilan^ularibus. lacemis subscsilibus axillai.bus laxi^simc 3—5-lions, biacteis setaceis pedicello brevi 2—3-plo longionbus; caljcc dense et bicviier cmeio-hirsuto subclindrico. superne \JI angustato, denlibus lanccolalo-lineaiibus lubo qumtuplo bieuoribus, CO' >olld lmca caljce duplo longion, petals omnibus lectni4.culis subacquilongis. >exiU° niaigiibus reflexo oblongo-lincan oblusu, alib angu^te Ueanub, canna MX cun^{ai*} apice rotundata, leguime.. .' — Cic&cil in icgno Cabulico
- 53 A. ORTHOCARPUS Boiss. 1. c. 68. f — Caule crecto tenui Hi mo subangulato folio*⁰ subUexuoso, pili* albis breussimis adpressis spaisis hirto, fobis 20—25-jugis. folio¹⁸ paivis approximatis ciabsiuscuh* viudibus o^ato-iotundis plicalis obuisis»simis pc^{li0} lulatis, subtus ad nonuoi medium margincque Uirielli&. cacteiium glabernmis. pet^{o10}

basi ulinque in ueivum elevatum secus caul em decuimui, slipuli* parvi* triangulanbus acutis biitollis, flonbus 1 — 3 e| axillis supeonbus brvissne pedicellatis calyco pilis spaisissimis longis albis obsito, basi subgibbo, dentibus anguste lineanbus (iliatis tubo subacquilongis coiolla flava cahce sesquilongion, \exillo reflexo alas lineai es paulo supcianli canna exticmiate subtuv angulo rotundato curvala, ahs paulo bievion leguniue crcto oblongo subcompieso , calyce sesquilongion, ad suturam < \ienoiein obsolete sulcaio convxulo ad inlenoiem concaviusculo cannato in rostrum icclum tenu< longiusculum abeunti pilis u, idis albis longis hispido. — Ciet>cit in tegno Cabulico

>i \ HLTAMOCARPUS Boiss 8c Iloben 1 c 68 — Caule crasso elato sulcaio pilis albis nignsque pitulis hispido ieie a basi dense fohoso flonferoque folns longis erecto-piululis 15—20-|u?i^, foliolis appioximatis elongato-oblongis plicatis obtusis, supra plabns subtus petiolisque pilis longis cnsulis bispidis pallide Mrenlibus stipulis memhrinicein longe et anguste linean-lanceol ids bmpulis lacemis 5—7-flons den-Mftsculis bievibus sessilibus axilhribus numerosis flonbus penduhs bracleis membiinaceis setaceis longissimis calycis eltganler mgro-selosi dentibus lanceolatis iculis tubo dimidio bie-vionbus coiolh ochroleuca calyce plus duplo longion vexillo oblongo rccuivo ahs lineares paulo superanti canna abbreviate subtus angulo recto loiundilo incur\ a nlis subacquilonga leguminibus parvis o\atis compressis glabus tians\cis>e obsolete ru_p'osis obtiisissimis, basi rolundalis, sulura vexilian anguste sulrulosi, inferiori I crassiori in mucronem tenuem brevem sub apice rotundaio producta — Ciescjt ad radices montis Demawend supra Ask

"N A TPIIROSIOIDES Boiss 1 c 69 f - Caule tereti elato stnato praetor pilos adpressos spaisissimos glabro folns 9—14-jugis, foholis petiolulatis oblongo-lanceo-hlis aculiusculis u unquo pilis albis spaisis ndpresse birtellis pallide Mrenlibus, i iccmis sessilibus oblongis h\is ex axillis supeonbus ortis termmalibusque in paniculam thjisoidcnm aphyllm iggregius bracteis membranaceis linean-setaceis bispidis, calycem subaeqinnlibus flonbus palulis brcMbus bieviter pedicellatis cahce pilis ilbis mgrisquo palule longeqe bailnto lacinus seticeis plumosis corollam acquantibus, tubum bre\em latum basi htcic supenon gibbum supeiantibus ACXIII O\ato angulo lecto sursum rccur\o ahs abbrevuatis rhombcis longion canna alis aeqmlonga angulo iccto rotund ato subiu*. cunata leguminibus palulis calycino lubo quadruplo longionbus lineaii-compressJ>> subfalcatis in lostium lenue leclum abeuntibus, ad maignem con^exum sulcalis ad concavum cannalis, ad utrumque -ftilosulis, laterc glabris obsolete rciicuhnto-Acnosis — Ciescit in regno Cabulico

tb A COLUM^ARIS Boi>>s 1 c 70 f — Ciule glaberumo ciassissimo duio sulcaio elato, a basi folns floubu<>>que dense obsito folns longis erecto-palulis 20—25-jugi& foliolis par\is o\aiis peiolulatis a bisi sursum diminulis complicatis, margine subtus-1^e ad ncnm medium ciliatulis, cielcrum ghbns pctiolo angulato rigido. stipulis 1 basi tngulan linean-sclaccis flonbus 3—5 in racemos sessiles bievissimos fasciculiformes avilhres numcrossimos disposals bicMtei pedicellalis erectis, in columnam (\lmdncam circa caulem approximate , bracteis sclaceis caljcinum tubum aequantibus, <- <D>cis membnncei denlibus lanceol ito-lineanbus ciliatis tubo glabernmo ncivoso Mbacquilongis, corolla ilbida vel pallide ochioleuca calyce dunlo longion, \exillo ovato truncato retuso alas superanti canna all* lineanbus mulio brevion, ovano oblongo-lineaii glabemmo leguminc ' — (rescit m Cana \cl in Lycia

>A PISIDICLS Boiss a Heldr. 1 c 70. f — Caulibus sulcaio - slriaUs crassis elaiis i>>alule hispidis, a basi folns flonbusque dense obsilis folns palulis 20—23-jugis, folio-1^e> o\atis oblongisvc retusis, supra glabris, subtus adpiessiuscule et longe lursulis pallidioribus stipulis a basi tuangulaii longe linean-sclaceis Boribus 3—5 iniacemos laxos sessiles bievissimob axillares numerosos disposals eicells, bievibus pedieellatis, bracteis selaceis dimidium tubum caljcinum aequantibus, caljcis membianacei dentibus lanceolato-lineaubus longe ciliatis, lubo glabnuscule dmnio lucMoiibus coiolla cahce d^uP'o longion alba \c\ pallule ochiolcuia \c\illo oblongo apice emarginalo, alls oblODgis

- acquilongo. caimo alis multo bievion acuiuscula ovauo oblongo glabemmo, legu mine — Ciescit in campis planitie Pisidne pi ope Isbam et in Isania
- 5b A GILMJS Boiss Dngnos plant orient no[^] IX p 71 f — Tj)tus mdumento breu »dpciss<«simo gnseus caulibus sulcilis a basi dense folios folns patulis sub-15-jugix foliolis pinis ovatis rctusis, supia glabtis, subtus hirsutis remotiusculis \cisus ipiccin ioln sensim diminulis slipulis membranaceis a basi lanceolaia long(lineai i-setaceis ncemis 4—5-flons la\is longiusculis calvcis membianacei paice Imsuti dontibus lincaii-scttceis tubo dimidio bie\ioubus flonbus. legumme (junion) oblongo subcompies&o, uinnque obtuso apice mucrone longmsculo tenui tcruumio transveise et obsolete rugulo&o adpressissime bieuter et dense cine nscrnti-puberulo — f resell in Cam
- 5c \ GLRLNSIS Boiss 1 c 71 + — B>>i fiutescens pelioli* peisixtentibus spincscntibiis nngi-> minusve bomdus caule liumili SHLJS ilbis adpics.se cuio slipulis Mrescen nbus tuangulaiibus acutis peliolo bieMci adnalis. (bins 2o — 30 jugis petiolo jd posse (ino demuin indurao] cisistenti filiolis o\ Uo-oilmulitis rctusis <upia glibns isiibus adpresse birtis> guseib l iccmis axilhnbu[^] laxis breviiei pedunculatis 3—12-floiiis Honbus pedicellatis eicctis biacteis sciteci!* bievibus ciljcis membranacco-iliMdi hrcMlei et p m c bun demum glabrescenti[^] dtntibus lincanbus tubo luplo lireMOiibub inleuonbui> paulo longionbus coiolla lulca calyce plus sesqui-longion \e\illo oblon[^]o linciu obtuso ilas apne itteninlas) atutiusculas cnna lon- b'ioiei> suptianli legumine lincau lateialiici subcompiesso subincuivo in rostium it (turn icuium attenuito 11[reise et biCMtti cincscenli nci\is elovatis longitudina- libus ilcxuosjs nnnstomosintibuit pcicui[^]o scnnnibus oblongis obsolete sciobiculatis — Ciescit in collibus j>rope Guc Peisne iisli alis
- f0 V ACIWCIFLRIs Boiss 1 c 72 + — Subacaulis ndico \eilicili folus ad collum confertii> den[^]c Mib -20-juqis petiolo ciasso strips ilbis idpressis den[^]is cano foliohi. pii\is o[^] illis s,upn glabn> ^ubius cinn. stipulis ad basin petiolorum conferti[^]* br \ilci trugul uibus floubu* t>ohl inr> \cl binis podunculo bic\i axilh n insiden- Ubus U guiniuc pnmuni cano dtm ghbio loii{,t lincau compic[^]so aicuato in iuiuioiem rectum acutuni aitenuato, rugii* Iongiudinalibus ana[^]tomosanlibiis percurso nt* ique sutun convxuisculo — Crescii in pldiulie c\cclsa monliuni inlei \r^adi Scheik et plantiem Ramla Mtorum in Aiabia jutriei

bUthtoleuLi male dtscnpti

- hi A MINOR (loss in &-u, Histoï de fbile (Bot) II p 107 — Lault (semiipjth<imaco) ciccto ilbicinli - pubciulo pctiolis ^ongis cauh subadpicssis flhfoimibui. foliolis 14-|ugis o\ato-elliptic[^] j>ubictuj>is lacte vindibub utrinque vi\ pilosiusculis junioribus glaucis scnecco torn en to si 5, slipulis latis o[^]llbus scanoj>o- ilbis peduncubs folio bievionbub flonbus mignis aurcis ol>cc longe tubuloso mfo-piloso lacinu> lincanbus tubo duplo brevionbus legumme ignoto — Habitat in Cbili
- b? \ PLVC[^]^Closs m Gu 1 cit]> 10> — Ramis e'uo-crecus pubcrulis stnatis gii[^]ejs stipulis lanceohtis i peliolo et intci so libcuş foliohs 9—13 jugis elliptici⁸ uitegus supra glabns sublus j)aicissime pubenlibu[^] l\i\o- virentibus pedunculis plunmis longis eieclib, ad summum dense floufcus caljce tubuloso - campanulas quinquedentato pubc sencea consperso coiollu> ocluacej> leguime inaequilatero-ovoideo acuto parvo albo-nolacco bieve henceo-pubente abortu monospeiuiio —
- Var a folns obovatis — Hibitat in Chili
- b3 \ OBLONGIFOLIUS floss m Gi\ 1 cit p 109 — Fiuticosus ramis ^ubrobustis elongatis pubentibus teretibus paice mtunis apiccm \eisus complanatis petioU* longis a basi sub-15-jugis cum impari, foliohs anguste oblongis, apice truncatis ^indi-tomentoso-pubentibus. junionbus submcanis stipulis linceolato-acutis, membranaceis libens racemis ad summos lamos ixilhnbub plunmis spithamaeis patulo- incnms a med.o floufer.s flonbus subpinis fla>o-subMohcei- caljce tubo brev^o et lacinnis subulatis aequilongis brunneo-pubente ah* canna longionbus, fructu

- intri cahcem incluso, ovato-lanccolato pubenic 2—3- speimo, marginc semmifero
pmcc introflexo — Hobital in Chili
- 04 A FILIFOLILS (Loss in Ga\ 1 c 111 — Parsi&simc mcano-villosiusculus caulibus
It isi fasciculatis eieclis pedihbus tenuissimis flstulosis, basi foliosis, peliolis seta-
ccis foliolis 7 - |ugis remous valde lineanbus, pedunculis paucis folio vix longionbus
lililoimibus apicc capitato 2—5-flons calvec piloso-rufo tubo longmsculo, laciniis
Mubulais tubo subaequilongis, coiollis scanosis fla\is, legumine ignoto — Habitai
in Chili
- Uo A FCRRUGINEUS Closs in Gay 1 cii p 114 — Parcc lanatus* caule pedali erectio
snnplici, fohis subfabcicularib patenlibus peliolis pulvcrculnlis, loliolis 9—12-jugis
parvis cuncais emrginatis fciugineib subtus \illosib slipuhs o\ahbus scanosis fla\is
pedunculis erectis, folio duplo lon₀ionbus caljce albicante pubciulo, lacinns lancco-
litis, tubo aequilongis corolla fla\o - cociulea, legurnme ignolo — Habitat in Chile
- EG A MJDUS Closs m Ga^ 1 cit p 115 — Lanuginosus caulibus mcurvo-erectis
pcdalibus depaupciatis folns paucis remotis longis erectis, foliolis 8—10-jugis pai-
vis lineanbus stipulis lanceolaiis scanosis fla>icanubus pedunculis longissimis, flon-
bus mulus dense congeslis, cahce \illoso-albo, ba^i et apice nigncante, lacimib
lineanbus, tubo aequilongis corolfa caljce subuiplo longion, flava, apicc caerulea,
legumine conoideo-acuto tomenoso — Habitat in Chili
- 7 A AMATUS Closs in Gay 1 cit p 115 — Multicaulis, toius valde incano-lanuginoso-
que tomentosus ramosus vix spithamaeus foliolis 9—13-jugis ovatis seu ellipticis,
apice iotund-ni& emaignalisve. stipulis latis scanosis pedunculis axillanbus el teimi-
nalibus, folio duplo longionbus rectis rigidis, lacmus calycims lubo aequilongis
corolla subscanosa flava, apice violacea, legumine brevi oblongo cyrabiformi cora-
presso tomenoso — Habitat in Chile

Sectio III TRAGACANTHACEI DC.

§ 13 *Ttagacanthae* DC. 1 c 295. — Wlpis Repeit 1 705 II. 871
V 518, Anna! I. 239

* *Tiagacanthae sessihs macrocalycim* Boiss Diagn IX 76

Calyx elongatus, dentibus longis saepc plumosis \el villosissimis, sed
dostmctis nee \illo connexis (Gie\ *A. compucti, plumosi, anstati* etc)

- *8 A DEINACAMHUS Boiss Diagnos plant onent nov IX p 76 f — Caulibus ro-
buslis brevissimis, folns longissimis icinote 5 — 6-jugis pctiolo robuslo albo glnbro
tereti in spinani flavidam foliolis multo longiorem abeunii, foliolis magnis ngidis nei-
^osis ellipl,ico-lanceolate glabns \cl sub lenle parce et adprsse pilosulis in spinam
fla\idam longiu^culam abeunlibus stipulis cartilaginei^ flavidis duns tuangulari-lan-
^eolaiib nervoso-rcliculatis folioium floialium brevioubus latioribus flonbus ad basin
folioium in capitulum maximum dtnsibsimum ovatum congeslis, bracteis lanceolate
^U lintanbus acutis., superne hirsulis, cahces subaequantibus caljcis dense albo-
bnsutissimi denlibus lineanbus subspinulosis tubo aegre flssili paulo brevionbus
corolla ciinea calvec quarta pane longion vexilli lamina basi aunculis rotundalis
aucta ungui subaequilonga alk> infra medium cannae adnatis legumine ovato obtuso
niveo-hnsutissimo — Crescit in an is inculiis totius Synae mtenorls, in plamlie ad
occidentem Aleppi inter Damascum et Antihbanum, in omni Coelesyna.
- 69 A IASBCY4MS Boiss 1 c 77 f — Basi suffrutescens caulibus brtvissimis
folns 8—11-jugis, peliolis ngidis adpressissime puberulis lerctibus in spinam bre\is-
simam igrminalem abeunlibus, foliolis ngidis pallide virentibus reliculato-nervosissi-
RMs uinnqce adpressissime puberulis ovatis oblongisve obtusis, ncivo medio excui-
tente bieviter mucronulalis, stipulis flavidis carlilagineis tuangulan-lanceolaiis nor-
^»losis folioium floralium latioribus flonbus ad basin foliorum in capitulum magnum
densum o\ato-iotundum congeslis bracteis lanceolatis hneanbus\e, supeine hirsutis,
calyces* aequantibus calycis albo-lnisutissimi dentibus lineanbus, apice spinulosis.
tub^o aegre flssili triplo brevionbus, corolla cainea cahce terua pane loogion, vexilli

lamina inferne obtuse subauriculata in unguoni brevissimum sensim attenuata cano albo-hispidissimo — Ciesut in Antilibano supii Ihsbeyā

- 70 \ STRICTIFOLIUS Boiss 1 i 78 + — SulTiuticosus caulibus pcliolis velustis <tridis elongatis hoil tds> folns 3—4-jugis pcliolo crasso in spmam flividnm foliolis inulto biCMOiem abfunti, foliolis lcomuusculi^ stnctis adpressissime inilollis pnllid< Miciiiiibus elliptico-linearibus longis rigidis, superne reticulato-nervosis in mucronem lmdum longiusculum altenualis slipulis flaescentibus glabns trianguhn-acummatis ituculato-nervulosis floubus in capitulum oblongum densum id basim folioium supcuoium dispositis bractei? angulē cunbiformi-oblongis, extus villosis acutis, calyces subaequantibus calyce dense albo-pilosissimo, denlibus lmean-seiaceis tubo domum fissih paulo longionbus corolla calyce subsesquilongion e sicco cmnca \exilli lamina basi acute aunculata in unguem ca paulo breviorē atlenuata alarum unguibus basi tanlum cannac idnatis o\ino albo-hirsulissimo — \ *amacantha* \ar lot cit non M B — Ciescit in ville Tahgon montis Elbrus prope Gaiinde
- 71 A DRUSORUM Boiss 1 c 78 f — Bisi suffiuiescens dumuloso- multicululis caulibus erectis abbreviate folns bieviter et adpressiuscule birsutis gnseis bub-9-jugit foliolis o\aiis oblongibve oblu&iu^culis brevi^sime mucronulali*% spina lenmnali IOLII folioli* brevion stipulis teneris albidis inangulanbus acuis ciliatis, flonbus axillanbus nurnciosis spicam cjlindecam den&am toiam caulis longitudmem occupantein formantibus bracteis omnibus luiLou-seiaceis albo-plumosis cahcis denlibus sunilibus cl icquilongis, calycis m\ei denso plumosi dentibus seticeis tubo demum fissih acquilongi') corolla ochroleuca \el pallide cimea calyce sesquilongion vexilli alas paulo supeiantis lamina ungui aequilonga basi aunculata aunculis oblongs dscendentibus obtuMb, alarum lamina unguoque inferne cannae adnalis ovano albo-\illoso — Credit m *siccis* montis Gebel Baiuck Libam supra Dcir el Eamar
- IZ A TMOLLUS Boiss I c 79 f — Caulibus fiutescentibus erectis procen^ petiolis -\etustis eretto - patulis borndis, folns subsevjugis, foliolis utnnque adpressiuscule Inrsutis senceo-gnscis o\atis oblongisque obtusiusculis, mucrone brevi flavido lei minatis. pcliolo hirsuto JO spinam foliolis bieviorcm abeunti stipulis tomentellis in cuspidcs lanceolatas acutas atlenuatis flonbus ox axillis inferioribus numerosis capitulum oblongo - cylindncum densum sub folns annoLims formanlibus bracleis supernc senceis, extenonbus late oblongis aculis., mtenonbus naMculari-plicaUt inigis mmusve anguste linearibus, calycis tubum aequo intibus calyciu longe denseque senceo - lanati denlibus selaceis plumobissimis, tubo demum fls&ili <<abduple longionbus, corolla losca calyce sesquilon₀'ion, \exilli lamina ungue MX longion, basi in auriculas rotundatas dilatata. alis medium versus cannae adnati*. — *A plumosus vai lomentosu** Boiss. — Crescit in regione media Tmoh supit Pluladclphiam et ad Bozdagh
- 73 A PARNASSI Boiss 1 c 80 + — Caulibus «ffii uticosis abbreviatis ramosis glabris. folns sub-7-jugis, foliolis oblongo-ellipticis aculis bieMssime mucronalis, praeter *piloa* nonnullos ad margines sparsissimos glabernmis stipulis rubellis in cuspidcs *breviter* tt acute lanceoldtas» ciliulas pioductis flonbus numerosis avillanbus capitulum *glo-* bosum densum folns supremis saepius superatum foimaniibus bracteis tenere *nem-* branaccis, eilenonbus *na\teulanbus. dorso* et margme Janatis, inteiiionbus *setaceis* plumosis, calyci acquilongis calycis albo - plumosi dentibus selaceis, calycis tubo demum fissili sesquilongioiibus, corolla rosea, calyce subsesquilongion, vexilli u⁰⁵ parum supeiantis lamina ungue «bbrevion, basi in auriculas tnanguJares honzonta* les atuiiustulas abeunti, alarum unguibus usque ad % cannae adnatis ovano abO' bispido — i *mitatus vm aushahs* ex p Boiss — Crescii in Pamasso
- 74 V MITULLMAMJS Boiss 1 c 80 f — Laulibus bievissimis folns 5*—8-jug>>> pcliolo lenui htello in spinam Oavidam folns breviorē abeunli, folioli* glabiescentibus vel adpi csiusLule et paicissime htntis elliptici* acutiusculis mucionulalis. ³¹¹⁻ pulis tnanguldiibus ocutis flonbus in capitula ovala dense ad axillas folioruni sup<< norum congests bracteis omnibus linear- setaceis dense plumosis. calyus *ahs.J**. Mine albo-lanati dentibus linearibus villosissimis tubo demum quinquepartito *dimiduo*

- brevionbas corolla tosea cahci aequilonga logumine minimo obloogo albo-hirsulisimo — Crescit in Pbn̄gia inter Arzam et Geduz
- 75 V GLOBIFLORUS Boiss I c 81 f — Suffrutescens caulibus breviasimis horrid is foliis sub-4-jugis peliolis rigidis in spinani foliolis aequilongam vel longiorem abeunubus foliolis elliplico-lanceolatus acutis mucronatus adpresse canescenti-senceis ~~stipulis~~ tmngulanbus aculis tomentellis flonbus ad basin foliorum supremorum in globum densum congeslis bracleis oblongo-lineaibus pbcatis albo-hirsutissimis, cahce brectionbus cahce albo-hirsulissimo, demum fere ad basin in lacimas linennsfcicens pariito corolla calyce scsquilongion legumino paivo ovato-oblongo cano-hirsutissimo obtu^o — 4 *arnacantha* Boiss (nec M B) — Crescit in monte Elbiu* prope Dei bend
- 7b A PTILODLS Boiss I c 81 f - Suffrutescens prostratus ramosissimus caulibus lrevis&im̄is hoindis in dumum ennaceum congeslis foliis breibus 4—6-jugis, petioh spina lerm̄mali foliolis breMon ^el aequilonga foliolis minimis oblongis mucronulati* inagis minusve dense cams stipulis tnguhribus acutis bievibus flonbus in capitula termimlia globo^a ad basin folioium supremorum congestis bnctcis extenonbus oblongo-hnccolau-* naviculanbus dorso villosis, mlimis hneanbus calycmo lubo aequilongis calycis plumosi dentibus tubo demum (Issili longionbus setaceis corolla violacea cahcem parum superanii, vexillo interne acule aunculato, m unguem eo subbre-viorem iicnuato illis usque ad laminam carinae adnatis ovario albo-hirsuto — Crescit in regione alpina Sypli supra*Magnessiam in Lydia, in montibus Pisidiae supra Bouldour et in Gaua
- 77 A CRUENTIFLORUS Boiss I c 82 + — Suffruticosus densissime dumoso-einaceus caulibus ramisque peiiohs vetustis nigricanubus horndis foliis teiminalibus paucis Sense cano-{omenlosi9(foliolis 6—7 minimis approximatis o\ato-oblongis subius canal culatib breviter mucronulatis petioh crassi spina terminal] folioli» longiori, stipulis ulbis tenemmis unngulanbus aculis ciliaiit flonbus in cnpitula globosa densa ad axilla* folioium congeslis biacteis paucis hneanbus subplicatis exius tomentosis, tilyce dimidio breMonbus calycis albo-hispidissimi denlibus linean-setaceis, tubo demum tissili longionbus coiolla intense purpurea ciuenta cjljcern vit superanti, Aexilli lamina medium versus in dentes hto triangulares ob^olele dilatata ab ungue vix. disimcia ovano dense villosa — A C) elicits DC non Lam — Crescit in eiceUis montis, Hermoms supra Kascbeya alt 7000—9000 ped
- 78 A LAMARCKII Boiss I c B2 f - Suffrutescens eaospitosus bumillibus folus bre-vissimus 2—4-jugis spina foliolis paulo brevion lerm̄nalis. foliolis minutis incams ellipticis, utrinque allenualis aculis brexiter mucronatis slipuhs breviter semiovatis ~~acutusculis~~ flonbus axillanbus in capitula globosa densa parva ad basin foliorum congestis, bractcis oblongis vel oblongo-cuneatis, superne tomentosis, calyce brevionbus cnljce densissime el longe albo-hispidissimo, demum fere ad basin usque m lacimas bnean-setneas connentcs pariito corolla calycem MX superanii, vexilji lamina basi minute aunculata, sensim m unguem brevissimum attenuate, alarum ungue ultra medium usque caunae adnato, ovario albo-hirsutissimo — A *oompactua* var. p^* Lamarck — A *humihis* Willd Herb non M B - *Tiagacantha OrientalU humittma tn-cana floie purpurascete* Tournef — Crescit in Armenia el in Cappadeeia
- 79 A OCROLHLORUS Boist» ft Hohen I c 83 f — Suffirulescens cauttbue {rlabris tola iongitudme hoindis. folns glubnusculis pallide Mrentibus 6—7-jugis, m spinam follo-ws longiorem abeunubus, foliolis oblongo-ellipiicis breiivme mucronatis parvis su-Pulis tngulari-lanceolaiis ciliatulis albidis, fionbus ad basin folioium dense capitato-fascicuhus bracleis membianaceis lanceolatus acutis albidis glabns vel apice hirsuiis ^{CO}iscinum tubum aequanubus, calycis breviter et adpressiuscute hirsuli denlibus seta-^Cis rubelb» tubo non flssili aeqmlongis corolla rubra calyce sesquilongioi1 vexillo exauriculaio sensim in unguem attenuato, alls libens, ovario adpres^e birsoto — Lrescit ad radices montis Demawend prope Lar
- 80 A CUROMOLEPIS Boiss a Hoben I c 84 f — Suffrutescens caucus hgnosis raro9i,\$ioiia, ramis abbreviatis bomdis, foliis numerosis subsexjugis, petiolo hispidulo U.

in opinam tenuom foliohs aequilungam ibeunii, foliolis aij>iestfu&ciile etbiouirr **hrtu>** gu>ro-MrcnUIHib elliptic^ 11 uiusiulis mutitis stipulia tnguldn-lanceolaiis ucumi-
iati» tenem, superne mlen^e puipuius, lluiilius in capuula densa subiolunth ad lo-
horuin basin congest bracleig oblongo-lineabus. c)mbifoi miter plicatn aculiusculis
glnbuiistulis riuidis mljces subacquaiitibus, apae intense piiipumt iiliu* *ubjilulp
Ubo-pluniusi Ufiiiüu* *>elaceis eieclo-pjlulis, tubo sublouüiuiibu*, cuiolU otbro-
Jeuca. taljce paulo longion vxillo rrvato oblongo exnuiiLulaiu, 10 untruem non ai-
tenqalo, *alis* libeus. o\diio albo - Im Mito — *Vresell* in mnnte Totbthal prope 1<-
Iejan

81 A KIRDJCIUS JJois> I i 84 f — SulTiutico^us. rnmos^siraus. lolus peiolis veiuslis
adpessu> spinosi* obsitus folii* 4—5- |ugi>, foliolis pallide vuctitibus, parce et nd-
prec>is>umo biriu j (liiplitis, uliinquo iilKinuaUs mucionotis, blipuib tngulalaii-hncco-
tuis acutis-glabrescentibu^ fluiibus avilluibus fdsciculatis, in spicnm laxiusculam ap-
proximaUs. bracleib oblongit atulis tonca\i&, cahd aerjulon,^it> cahns albo-hnsnlis-
simi denlibus li)eaii-&eiacuit>, tubo demum lisaili longionbiiN coiolla rosoa calycein
breuiier excedenti vtXillo ba^i obliiNC auuculato in unguem \ix angustato. ovanu
albo - Inrsulissino — (WOMII in sub dpmis monlis Gain Kuidistamae

& A hLTIILLIICMifK LS J^oi's 1 c *bo* f — SufTiulescons lanuoiisimus liornjlus
folns 5—6-jugis, peiolis. ci issi> ngidis in spinnin ilavidmn foholis. longiorem abeiui-
libus fob>oli!> dense el adpicHse cano-nrgencis parvis oblongi& acuii* niucronulalis,
subuis canaliculate, >tipulj> lite Liariguldii-o\alu> a^outib flavidib bieM^sime tomontel-
lit ilonbut in fa>uculo>> ptnos axillaies 4—C-floro> o\ ito>> aiclc bracleatos, in onpi-
lula t(>nnalia aggicgatos **d^>pi>K<** bincteis concerns ova'o-bubrotundis attis \<1
liuci onni> membianacM!), calytinum tubuin superantibus, ituiiuis muuiiibus, <ipit<*>
>>aepe dentalo-laceis talyois densissune albo - Inspidissimi lacimis sftacei** tubo fls-
MII longionbus, corolla purpurea caljce ux longion vexiili lamina acutiuscule auuidi-
lata, in unguem ea t>ubi evior* m sensim altonuata, ovano denso albo - hispido —
Ciesut in Judiea ad Uerodiam. Tbocunm, Betldohcm, in moute Framorum piope
Hcthlehem, in tollibu* Damasci el in Lihano supra Deir el Kammar

bi A LEPIDANTHUB lioms 1 c 45 f — Suffrutescens ennaceus bunnlis ntus puliolis
^etustis tenuibus homdus foJus tnjugis in spinam foliohs longiorem abi unubu->, folio-
hs adpressiSbime scuceo-canescenlibus ellipticis pheatis, in spinam flivid.im us dimi-
dio bic\iorem atlonuaiis siipulis fla\cscenlibus tngulanbus acuity glabuusculis, flo-
uini fasdculis a\illaribus 3—4-dons arcle biaiteatis in capitula ternnnalia inegulanwr
congests, biacieis ovteuoribut* caljce jiaium brevionbus ovato-subrolundis breviter
mucTonatit concnvis lom<M>lellis, inliiTiis paucis anguste oblongis, calvus densiswmo
albo-hiap/dissiuui dentibus hnean-sclaceis, lubo demum flssili aequilongis, corolla
taljce sesquilonion purpuia^cenii. venli lamina infoiae acutiuscule biaunculaia, ¹¹
unguem ea fere lotigioiem atteuuala — (rescit in plamtie inter Edlip et Aleppam *ⁿ
incultis

84 A. AMAUCUS Boi*.s I c <Sb f - Humilis suffrutpscons. totus petiohs \eslutis h^or*
ndus fohis elongilis remoUuscule 6-jugis, fobohs vuidibus, supia ner\ulosis, utriO'
que glabiescentibus \el paru&time pilosulis oblongo-ellipiicis obtusiusculis longiuscul''
mucronati*, petiolo tcuui pubeiulo, in spinam fhivam foliolis aequilongam id **brevio**,
lem atenuato, siipulis tianguhui-lanccolatis acuininaus liusutis. flonbus paucis **axil-**
Ian bus capitula subrotunda paiva ad basin foborum supenorom formaniibus, **bracteis**
exleioribub ovalit* concavit> bievitei mucionalis, dorso tomentellib calycinum tubui''
a<quantibi)6, ialerioribus> angustui ilnis oblonisib phentis, cahcis dense el breviter 1^o
mentoso-ponnosi al>i denlibus e basi lameolata subulatis, tubo aequilongis; **coraU***
talyce sewqujlongiori, vexilio ba&i aunculato in unguem aequilongum sensim **atenuato**.
ovano hispido. — Cieicit in Syria prope Vntab

b3. A. PSILODONTIUS Boiss 1 c. 86. + — Suffruticosus caulibus i amosiswmis **horridis**.
foliis adpressiuscule tomentellis gnsei* 6—**7**-jugis in apmam mulio ioliolis **longiorem**
abeualibus, foho4is wnutiseunia aptoximatis htnciu&culis ovatis acuiiusculis in **subis**.
Cocie superior! plicatis, vergus apicam petioli deciesceniibu^, stipubs leiwrriimfl **albo-**

hplims tngulanbus nouns glabriusculiq floribus in fnsicuios 2—4fToros axllares
SCSSMICH temotos <Tspo4iii& biacteis glnbris strmmis ingusie oblongis navicuari-
pli(illis submcums neutiusculis cnhcinum tubum aeqnantilfti& cnlvicis fratule H longe
dbo-luspidi dentibu* plumoMs subincums patulis coroltam subsuperantibus (ubo
brvri I i(o non flssili pnulo longiorihns TOXIH hmina ovata exaunculain inferne sensim
Mtcnuiti ill¹* usque id unguem dimidium cirlnno adnatis ovno adpssc cano -
(result in rtgionc Mifiiou Libam \el \ntilibim

* ' *Tragacanthau &t5si/<s mimcalycmi Bois* Dmgn IV 87*

Calyx LrCMSSiDius, dentibn^ wlo Lonrnxis indistinclis

- 84 A 1A1AGOMCIS Bui&s a Ilohen D>a(?n |lmt orient nov I\ p 87 f — **Suffu**
HCOSUN < iilibus bicussiniis lionK)I> foliis >ub-4 -jugu foliolis bie\issiiue lomrn
t« llo - < im >contibu» nncustc elliptic i» in feme ungestutis obiusiuscuhs longiuscule mu
cronul iti> stipule flixuljt o\alo tn ingul inbus oouinmaais g-labus nervulosis calyces
otf ulnhbu*. floribus secus caulcm ad klionim axillas in copitulum oblongum dlnsum
cunfcu> biacteis oblongo-lmeaiibu^ nnviculun phcatis vildc incum^ enhee paulo
bie\ionbus calves adprps^o hnsuli dentibu^ linetinbus tubo d€num flssili subaequi
lon_nis (oiolh ptllidt IOSCI (iljcc vix s^squilongiou \exilli lamina busi obtuse aun
cultia in un{,utm oi breMorem srnsim ntlcnuati ilis pane IBTenon unqms carinnc
idnati< ovano hirsutissimo — Crescit propc Galtade in \aJe Talagon montis Elbrus
- 87 A PRtb[A\US Boiss I c b8 f — **Ramosis^iiiiii**) breviter caulescens folns pattnti-
bus 7—9 jugis in spinam birvissimam apice abeuntibus foliolis ovato oblongis ad
|iie>ssimo hirtis ^ns^is in mucronem tenuissimum ittenuatis stipulis albo - tonient-
sh lin Vilnius tngulaributt, floribus in capnulo teimmaJia compacta rotunda bomb-
cim dense congests biacteis lineari - setaccis pluniosissimis CILICIS boinbycmi turbi-
ndi dentibus lineantus apict subincurvis praeter mucronem villo o^culUUt,, tubo
demum lissili brvionbus corolla ciinoa olvci icquilonga |c|iU laoima btsi obtuse
auncuhta in iinpuem bi(\iorem attenuata ovwio ilbo-biisuUssimo — Crescit in col-
libus irilti Uious&a tl dlicrnlek liilhjmie
- 88 A ME^LRI Boisi I c 88 f — **SulTiuticosii*** idinos>i>>iiiiHiv rmiN brvissiniis spini<
patulis nigns hoindis pttioli> tomentllis SUJKIIC d ij j loximalim 4-jugis in spimm
tcnuum foliolib breviorcm abeuntibus fuliohs cllij titis m mucronem breve in tenuis*i-
mum abeuntibus dense U bicMter tonicntosO-canescntibu^ stipulis tiiingulaii-hii-
tecolatis neutis iomcniellis> flonbus in cipitula pam rotunda comp un ad axillas su
peiores fonp^c-ti<> brictcis lineari - spntliul iit^> bisi glibus supertic ilbo-toracntosis
calycis tuihinati dense albo-lamti dentibu^ lino tribiis. MHO occultuli^ tubo flbsili
'cquilon^ib coiolla pillule enrca tnhec sc^quilongion vexillo eiauii ulato, in un-
?ucm s< iibirn attenunto alls pei ungues cl bisin limbi cannic adnatis ovano albo-
'ursutiss,jrno — t *umpactus* (\ Mfyei — descil in distinctu Sw mt protinciae
f dusch
- 89 I FIL VGIM-US Boiss I c 89 + — **Suflrulfcosily** i lmosi^irrus rmi< ennac#o-m-
tiicnti-* pctiolis bicvibus crissis albo-tomenlosis quadnjugis, in spinam flavidam fo-
liolis longiorcm abeuntibus foliolis nunutissimis nivto-tomentosis ovatis raucronulatis,
l< pina suprnnon canal culato-phcalis strpulis broviter triangulanbd*. toleme albo-
tomentosis sup erne phhin nervulObis luifcseentibus floribus in caprtufa densa globosa
compacta paiva congests bracteis lineanbus cjmiformibus foiVg< albo - plunosid, ca-
lcom subaequintibiKi cnlvicis brovisbimi longa et dense elbe-pUmiosr ^ntibus lineari-
staceis tubo flssili lequilongis vexilli lamina¹ rectfitro exauncntata m unguem ea
longiorom attenuata ovano albo-IiirsBiis^irtio — Cresck in Persia m rolhbus aridis
Montis F IIM us propo pa gum Darefce
- 110 A AiiGVKOTHAMNUb Boiss I < 89 f — **Sullhiticosis** densissime ermaceo -dutno-
•<< Mils arpyrew 4—6-jugit in spinam Hovidam foliosis oequilongam abeuntibus
^tolis approximatis pan is ovatis obtusis mucronuhtis nervo inedio sublas p^rommulo
stipulis breMter tmnpulanbus lurtollis folioium (I)nlium OMIKIUSCUIIS nhorwm neutis.

floribus in axillis 3—4 capitulum parvum ovato-rotundura at basin folioj-um superiorum formantibus; bracteis stramineis ovatis carinato-concavis obtusissimis, dorso tomentellis, calycis aequantibus; calycis tomento niveo sub lente tenuiter oblecto dense vestiti brevis dentibus villo occultatis coalitisque, tubo demum flssili aequilongis; corolla pallide violacca, calyce plus duplo longiori, vexilli lamina basi acutiuscule auriculata ungui subaequilonga; alis unguis basi carinae adnatis; ovario albo-hirsutissimo. — Crescit in regione media Antilibani inter Zebdani et Zochle.

91. A. CRENOPHILUS Boiss. 1. c. 90. f — Caulibus lignosis glabris laeviusculis ramosissimis; ramis nigricantibus horridis; petiolis tenuissimis flavidis, sub lente adpresse et parce birtellis, in spinam foliolis longiorcm abeuntibus, foliolis 7—8-jugis minimis anguste ellipticis acutiusculis fere acicularibus glabris viridibus; stipulis triangularibus hirtellis acutis glabris; floribus in axillis paucis spicas tenues elongatas subcylindricas secus ramos formantibus; bracteis ovatis cymbiformiter plicatis obtusis, niargine ciliatulis, caeterum glabris stramineis, calycis tubum aequantibus; calycis patule albo-hispidissimi minutissimi ovato-globosi dentibus lanceolatis, apice spinulosis. tubo non flssili subbrevioribus; vexillo oblongo-lineari oxauriculato, versus medium subangulato, inferne dilatato, alis liberis; legumine minimo oblongo-cylindrico, inferne glabriusculo. superne dense albo-tomentoso. — Crescit ad scaturigines montis Gara Kurdistanic.
- 92*. A. MYRIACANTHUS Boiss. 1. c. 91. f — Ramosissimus: ramis erectis brevibus intricatissimis, spinis innumeris longis tenuibus petiolorum emortuorum et virescentium horridis; foliis 8—9-jugis parce et adpressiuscule hirtellis pallide viridentibus, apice in spinam tenuem flavidam foliolis multo longiorem abeuntibus, foliolis minutissimis ovatis vel ellipticis in mucronem brevem atteritiatis plicatis facile et cito deciduis; stipulis ovato-triangularibus, apice glabris flavis, basi dense lanatis; floribus in axillis superioribus 1—3 stipulis fere occultatis capitulum ovatum minutissimum formantibus; bracteis oblongo-linearibus concavo-plicatis obtusis, superne dense lanatis, calyce paulo brevioribus; calycis dense albo-lanati minutissimi dentibus linearibus villo omnino conjunctis occultatisque tubo demum flssili paulo brevioribus; corolla calyce sesquilongiori e sicco carnea; vexilli lamina brevissima ovata exauriculata, basi strangularata; ungue vexillo longiori aequilato; alis liberis; ovario adpresse hirsute — Crescit ad latera meridionalia alpium Kuh Daena.
93. A. MESOLEIOS Boiss. ft Hohen. I.e. 91. f — Su/Truticosus: caulibus lignosis ramosis; ramis procumbentibus horridis magis minusve tomentoso-canis; foliis parce et brevissimo crispulo-tomentellis viridibus 3—6-jugis, in spinam flavam foliolis breviorcm abeuntibus, foliolis parvis anguste elliptico-linearibus complicatis in mucronem attenuatis; stipulis basi cano-tomentosis, apice glabris flavidis brevissime triangularibus acutis; floribus in axilla 1—2 spicas laxas tenuissimas breves formantibus; bracteis linearibus cymbiformibus brevibus, basi glabris, superne tomentosis calycem subaequantibus; calycis brevissimi lurbinati basi nudi. superne albo-villosissimi dentibus villo omnino occultatis connivemibusque tubo demum flssili duplo brevioribus; corolla calyce duplo longiori; vexillo lineari-oblongo, inferne vix angustato; alis basi carinae adnatis; ovario albo-hirsutissimo. — Crescit in monte Totschal prope Teheran. >
94. A. TOURNEFORTII Boiss. I. c. 92. f — Dumosus: caulibus erectis ramosis; ramis elongatis laxe foliosis breviter tomentosis canis; stipulis senescentibus triangulari-lanceolatis acuminatis glabrescentibus; petiolis tenuibus flavescens glabris, spina foliolis longiori terminalia, foliolis 5—6-jugis glabris elliptico-linearibus mucronulatis; ovario brevibus spssilibus in axillis solitariis vel binis in spicam laxam dispositis; bracteis ovatis cymbiformiter plicatis, apice saepe flssis; calyce patule albo-hispidissimo minuo sob' globoso ad basin usque in lacinas villo occultatis in spinulam tenuem exserti' abuntes flssili; corolla glabra calyce duplo longiori; petalis omnibus liberis subaequilongis; legumine minimo ovato dense et longissime albo-hispido. — *Tragae & it. Capptidocica emctior foliis Vidae glabris, ramis tomentosis* Tourn. — Crescit in Capadocia.

*** *Tiagacanthae pedunculatae*

- 13 A LEUCACANTHUS Boiss 1 c 93 f - Fruticosus caulibus crectis ramosis elongatis, breviter tomentosis, laxiusculo foliis petiolis vestustis erectis longis horridis. foliis 6-jugis, petiolo rigido longo albido-hirsuto in spinam foliolis longiorem abeunti. foliolis rostratis parvis et adpressiuscule linearibus guseo-urentibus oblongis breviter pedunculatis stipulis a basi triangularibus flavida glabra nervulosa anguste acuminatis ciliatis. floribus in axillis superis 2—6 breviter pedunculatis patulis. pedicellis basi et medio versus minute bracteolatis, calycis parvis et patulis hirsuti flavidi tubulosi dentibus linearibus tubo quadruplo brevioribus, corolla lutea calyce duplo longior, vexillo oblongo-lineariter recurvo, jilae superanti, canna valde recurvata alba aequilonga, leguminibus calyce flosso quadruplo longioribus oblongis lateraliter compressis adpressissimae canescentibus in mucronem rectum pungentem attenuate, sutura superior subcannata iccta, inferiori convexa & subulcata — (resert in desertis Aegypti)
- % A MATROSEMIUS Boiss 8c Hochst 1 c. 93 f — Suffulicosus humilis ramis dense intercalatis caespitosis horridis foliis adpressis senceis 5—6-jugis in spinulam flavidam tenuissimam foliolis longiorem abeuntibus, foliolis minimis ellipticis acutiusculis muticis, versus folii apicem descendentibus, stipule tenerum triangularibus pellucidis albis lucidis, partem inferiorem ramorum inter spatia vestimentibus, floribus 3—4 in racemos inter folia suprema subsessiles subcapitato-congestos dispositis breviter pedicellatis, bracteis membranaceis ovato-rotundis saepe lacinae ens pedicellos subaequantibus, calycis pilis albis nigrisque adpressis hirti dentibus lanceolato-linearibus, tubo quadruplo brevioribus, corolla alba, vexillo recto-lineariter acutiusculo, canna brevi valde incurva duplo longior, alis angustissime linearibus cannam longe superantibus vello brevioribus, ovano adpressissime albo-hirsuto — Crescit in alpebus Hasarschal partibus occidentalis montis Elbrus
- H7 A BERMONEUS Boiss 1 c 94 + — Suffruticosus liliifolius. densissime cespitosus. ennaceus ramis petiolis vestustis strictis horridis foliis 7—8-jugis, petiolis erecto-palulis glabrusculis albidis erases rigidis, basi supra complanatis vel subcanaliculatis, apice in spinam duram vix pungentem foliolis brevioribus abeuntibus, foliolis adpressis hirtellis guseo-virentibus parvis obovatis complicate obtusissimis vel retusis muticis, versus petioli apicem diminutis. stipulis albis brevibus breviter adnatis triangularibus lanceolatis acutis ciliatis, racemis 3—4-latis in axillis superioribus paucis pedunculo foliis paulo brevioribus suarulis, floribus breviter pedicellatis. bracteis lanceolate nigro-pilosis, pedicello paulo longioribus, calycis tubulosi pilis nigris albisque raris parvis parvis et adpressis obsidi dentibus nigrescentibus breviter linearibus tubo 4—5-plo brevioribus, corolla carnea calyce duplo longior, vexillo oblongo-lineariter cauculato alas vix superanti, alis cannam parum superantibus, leguminibus erectis calyce vix duplo longioribus glabris vel parvis et adpressis hirtulis oblongo-tylindricis acutiusculis, imbrice brevissimo terminatis, ad suturam superiorem elevatis subcannatis, ad inferiorem sulcatis, dissepimento completo. — Crescit in regione superior! montis Gebel Schick Antilibani nec non in monte Gebel Bauick Libani, inter Rascheya et Deir el Kannaar sill .
- ^ A. INFESTUS Boiss, 1 c. 95. f — Caulibus fruticosis erectis simplicibus pumilis adpressissime canescentibus, petiolis parvis rigidis horridis, foliis 5-jugis, petiolo valido adpressissime hirti, superne in spinam flavidam longissimam abeunti, foliolis parvis ovatis plicatis obtusis breviter raucronulatis adpressissime canescentibus, stipulis tenens albo-pellucidis vix petiolo adnatis, in unam brevem truncatam valde retusam bilobam concretis, floribus in axillis superioribus subsessilibus solitariis vel binis approximatis capitato-congestis, bracteis rostratis simplicibus oblongis, calycis membranaceo flavido-tomentoso dentibus setaceis tubo triplo brevioribus, corolla flavida glabra, calyce vix duplo longior, vexillo abs cannae parum longior, leguminae . . . — Crescit in rugo Cabulico
- ^ A. RAPHIODOMUS Boiss 1 c 96 f — Glabrusculus caespitosus suffrutescens tenuibus simplicibus flexuosis angulatis, petiolis erectis tenuibus rigidis 5—7-

- jugis in spinam tenuem acerosam foliis multo longiorem nebulis folioli* \indi-
ms obo\atis> complicati* cnsiusculis lic\issime muonuhlis stipulis pirms mcin-
bnmc (is tranguhnbus neumin tils pciolo adrtis inter sc libru flonbus 1—2 lxil-
lanbus breus\im(prdiincuhti*. bntlus c bnsi 1 mtcolnta luiuissine sciticeis rigidu-
lis tahois glabn cmlneci flividi dinlibus o bisi trinem subulato acerosis ngidulis
lubo dmnrio bic\ionl us corolh glabia flivida cihcc fiium longi n lo_bunime co
rideco 1 tevi ghbro o\ato turgido cihn icqmlongo siitua carinali impress! subsul
can ^p\ilhn cirimla mnrginati neno cnsiusculo apico in rostrum breje deorsum
Mibiecurvum ibeunti seplu fcie romplclo loculis 5—6 o\ulatis — Crescit m regno
f abulu o
- 100 V I \SIOSf MIUS Do ss I c 96 f •—Fruticosus ciuljii? bomdi» rimosis rinn->
brovibus intnciitis btc^issime ft pirco tomntpllia pcliolis cri>s>is longii virescentibus
Inrtollis 6 — 7 fugi-s supia phniusrulis b isi ehvilo neivosis setus nmos docunen-
nlms ii spimm longnm lh\ihm ab untibus f> liolis pilli<lc Mionlibu^ <dpres>>iusule
hiilollis oblongis obtusis bit\i^sime mucionuhtis ^lipiilli incmbrinicois birsutis rui
dulib c 1) i tinnguhii soiiteo icunnalis floilms in nxilla 2 — 3 brevitoi poduncuh
lia demum nutintibus bncteis sontoi-* pedunculo neqnilongis caljeis nomhr macco-
fiavdt bnsui dentibus e bnsi irianguhn spinuloMs ngidis tubo qmdrupio brovionbus
roroll\ Jb>a cil\cc viv sr>quilon_piori ^exillo titus dLnse et appressrusculp hirsute
ihs versus I isin lamime caunimque nmrgmc infeifion Inrsut is> | arum supennti le-
gumino ninnbianacoo subtomceo adpresse Inrty) oblon^o-subcom[icssu caljcc JII-
rlii^o et a* |uilon_po inucione brevissimo subincuno in^tracto — Crestit in regno
(ibuluo
- 101 A GrMsTUIDI S fioiss I c 97 f — Suffrutescens ciubbus brevibus procumben-
tibii^ nmosh idmisque brtMSMini^ spinis pdiolaubus longis tenuibus horndis foli*
id| rcssissime nnr^cenlibus fhudis 7—8 jugis in sfinam tenuissirmra foliis longio-
m m ibcuntibus foliolis anguste ellip kis (one MUSCUIIS obtusis mutins versus pelioli
npicem detiescentibus siipuli^ minulissimis hm< cohtis jcutis \ix pedolo adnutis
Monbus ex a\illis supremis 2—3 subfascjeuhtis brevitei peduncufatis hncttis line MI
lanceolalis pedicello subbieviobus LIJCIS membrniCLi fhvidi idpresse bird depti-
bus c Insi inanguhn acumin Uis ngidis lubo tnplo brc\ionbus coiolti fli^ n cahce
duplo lonf,ion vexillo adpiessc hnlo alis nrimfjue ghbus panlo longion ovino ad
presse hirsuto — Crestit in regno fnlmlico
- 102 K PSif Af\NTHUS Boiss 1 t 97 f - SufTiuticosus iamosissimus nmis brc\issi-
mis stiictis caespitosis ^pinis pcliolulms longis t<nuissimis foln novclh acquandbus
loliii. jdpres^e (nnrsenli-scncis 6—7 jugib in bpimin brevem tenuiasinmn tbeunti*
bus foliolis minutis dliptitii* cornplotis obiusu. nulicis stipulis mitulis, tmngulan-
bus hirsutis pedunculis ixillanbus tenurbus breuhiis subbiflons braceis ohlongo-
lineanbus pedicellos suhacquist bus eahcis membnnatei flavescentis idpresse hirtelli
lubuloso elongiti denibus seliceis t lbo qumtuplo brevionbus corolh flavi cahce
plus duplo longion vexillo iduso I'TS ruimmque npice lotunditTs superanti o\ario
oblogo adpresse hirtu semibilocuhii — Cresnt in r(Bno Cabuliro
- 103 A VLSTITLS lioiss Sc UiUh 1 t 98 f - fiudiculis buffiutescentibus procum-
bentibus tomenlosi^ saepe elongitis ciules hieves eictos flnido-lomentosos kat@
siipulatos edentibus loins tomonto adpre<so rufescenli vtllilis 5 — 7-jugis foholis
sessihbus OAtis. obliusculis muticis petiolo \cl in foliolum alus simile vel m spinain
lenuem i>revissimam vix pungentem abcnli peraistenti stipulis icnens ilbo - mem-
bnnceis tomentellis pellucidis in umm migmm oppositifoliam nplexicinlem pe-
nolo adnitnm oblique iruncalim rciusim coalnis flonlus congptis in spicam ovataffl
densiusculam pedunculo crasso tomenio*o folns dimidio brexion suffilliuro brpciew
amplis tomen-tellis ovatis concavFs merabramceis raucronulalis cahcinum lubum aequan-
libus calycis lani rufa adpressa densissime vestiti denibus Fanceolalis dimidio tub@
longionbus corolla cahce terlia pane longiore o sicco flmdo-rufescenli vexiHi la-
mma ovata obtusissim superne den^issimo rufo-lomentosa in unguemgtobrussculab
sensim aitenuala ahs hnoanbus acuiis caunaque oblongo- hnean acula reota aequi-

longis dense rufo-tomentosis vexillo subbrevionibus, ovano hneari pilis rufis longis
dense borbaio leguminc . ? — Giescit in saxosi» regions superioris montis Kara-
dagh Isaunae ait 4500 ped

107 A SUURCUS Boiss ft Hohen 1 c. 98 f — Suffrulosus caulibus erectis elon-
gius, superne breviter foliifera foliis 6—7-jugis in spinulam tenuissimam foliis
multo brevioribus. foliis obovato-lanceolatis acutis in mucronem attenua-
tis adpressis* sicut scucos - arg\ieu>, stipulis lenens pellucidis iriangulan-lanceolatis
aculis pedunculatis glabris tomentosis ciliatis cano folia paulo superant, spica cym-
bica dimidiata Jaliludine sub 7-plongion smecta bracteis glabris cadu-
uasimis hinc* acutis. calycein acuminibus calicibus pilis longis adpressius-
culis gusei* sicuti dentibus seliceibus paulo brevioribus. corolla c. sicco carnea,
calicibus denis quarum parte bifurcata vixillo oblongo-lineari adbracteis aculisculis
nun bupciantis caunae alis paulo brevioris lamina biob\ima, ovano adpressissime
cano — CILSCH in declivibus andis ad Gatlade valli Tahgon montis Elbus

105 A BOLINOPHILUS Uot's a Hobon 1 c 99 f — Subcaulis caespitosus rhizomate
surditibentis squamato, folis palatis 6—8-jugis, petiolo subherbaceo in spinulam
lenisMmam foliis brevioribus abeuntibus, foliis oblongis vel ellipticis aculisculis bre-
viasime mucronatis, stipulis lanceolatis acutis, capitulo denso ovalo, pedunculo to-
mentoso folis acuminatis, bracteis ovatis oblongisve rubellis ciliatis, calycium gla-
brum brevissime acuminatis calicibus tubo brevioribus, calicibus superne praeseilis
pilis patulis biterminalibus bispidis denis abae lanceolata setaceis., tubo dimidio
brevioribus corolla sulplurca c<<ce vx longior, vexillo oblongo-herbaceo sinuato alas
oblongo-lanceolatis vix superantibus carum lamina longiuscula parum curvata alis paulo
brevioribus, ovano cano — Crescit in collibus aegilosis loco Syach Nalas dicitur ad ia-
dices montis Demawend prope Lar.

106 A IODOTROPIS Boiss & Hohen 1 c 100 f — Suffrutescens caulibus ramosis,
multine petiolibus velutis. lenibus hincis, foliis 9—10-jugis erecto-palatis, in spianis
longum foliis supinus paulo longioribus abeuntibus, foliis eleganter obovatis m-
ceniibus minime approximalis ovalibus obtusis mulicibus, versus laciniam apicem vnde
dimidiatis, stipulis ovatis pedunculatis iceniis, margine ciliatis, lacinia triangularibus obtu-
sisculis, laciniis 2—3-lacinatis paucis in antheris superne breviter pedunculatis biacteis
oblongis aculis caducis pedicellis acuminatis, calicibus tubulosis pilis albis nigrescentibus
breviter tomentosis denis linear-lanceolatis. nigricantibus, tubo dimidio paulo lon-
gioribus corolla calyce subduplo longior vexillo lubentibus oblongo linearibus, alis hincis
longioribus, carina obtusissimis nigris violaceis — Crescit in parte occidentali montis
Elbrus ad pagum Asadbar -xh 8000 ptd

107. A SUBMITIS Boiss ft Huh on, I c 100 f - Suffrutescens caule brevissimo, folis
longissimis 20—25-jugis in spinulam brevissimam vix perspicuum abeuntibus, foliis
alternis adpressis hit Us, palatis venteribus obovatis obtusissimis mulicibus vel
nervo excuneatis brevissime mucronatis, versus apicem folii vulde diminutis, stipulis
trilobis laciniosis aculis pedunculo longissimis folia superantibus adpressis hirsutis, spica
racemosa oblongo-cylindrica, bracteis paucis ovatis acuminatis, pilis nigris ciliatis,
calicibus tubulosis pilis albis nigrescentibus laciniosis denis breviter trian-
gularibus tubo multo brevioribus. calyce fructifero ovato globoso glabrescenti
reticulato-venuloso albidis, corolla calyce duplo longior e sicco rubella, vexillo sub-
reverso alas oblongas superantibus, carina apice obtusissima violacea, hinc brevioribus, ovano
oblongo - Unem virescentibus adpressis birlis — Giescit in monte Elbrus supra pagum
Passovla

108* A CLLSH Boiss 1 c 101 + — Fruticosus adpressiuscule senceo-canescens ramis
(sic) spicis otustis erecto-palatis boidis, folia gemmarum aularium ramiorumque
juniorum aequilongis sinulibusque subsexjugia. inmpinam tenuem foliis brevioribus
theuibus foliis obovatis ellipticis obtusis, basi attenuatis mucronatis, stipulis
toxicosis triangularibus distichis raceme 2-3-jugis axillaribus laxis, folis multo bre-
vioribus, biacteis hincis linearibus ad apicem pedicelli brevissimis sitis, eo triplo lon-
gioribus calyce adpressis albo-hirsutis, fructifero oblongo cylindrico, dentibus setaceis

- ambo triplo brevioribus, fructifero inflato ovato reticulato-venoso; legumine adpresse hirta oblongo uniloculari slipite ci subaequilongo suffulio, apice mucrone tenui eo vix breviori superato. — *Poterium forlc* Clus. — *Astragalus fruticosus* Asso. — Crescit in regione montana Hispaniae inferioris in regno Granatensi, Arragonensi, Casiella nova, Sierra Morena.
109. A. FOHNSKAHLEI Boiss. 1. c. 101. + — Fruticosus adpresse tomentellus griseus: ramis creclis spinis erecto - patulis valde horridis; foliis gemmarum axillarium spina inilio brevioribus, conferlim foliolatis, in spinam minutissimam abeunlibus, demum deciduis, ramorum annptinorum persistentibus elongatis in spinam duram abeunlibus remotiuscule foliolatis, omnibus 5—6-jugis, foliolis obovalis oblusis vel retusis; stipulis tomentosi? triangularibus minutissimis; floribus e gemmis ad axillas spinarum silis oriundis solitariis vel binis, peiolo calyci aequilongo vel breviori suffiliis, basi 2 bracuolis ovalis minimis stipatis; calyce breviter tomentoso-canescenti tubuloso, dentibus linearibus tubo quadruplo brevioribus, fructifero ovalo inflato albo-membranaceo non reticulato; legumine uniloculari adpresse hirsuto oblongo acuto submulico, stipite eo breviori suffulto. — *Colutea spinosa* Forsk. — Crescit in desertis Arabiae petraeae. *
110. A. RUSSEMI Russell, Aleppo tab. 13. — Boiss, 1. c. 102. + — Fruticosus: ramis spinis longis horridis; foliis gemmarum axillarium contraclis brevissimis, apice spinulosis, spina axillari multoties brevioribus, ramorum annotinorum elongatis persistentibus, foliolis minutis viridibus glubris vel apice parcissime hirtellis mucronulatis ovato - ellipticis; floribus in foliorum gemmis solitariis vel binis brevissime pedicellatis, bractea minima ovato-rotunda cucullata basi sulcatis; calyce florifero cylindrico parcissime o breviter hirsuto demum glabrescenti rubello, dentibus minimis triangularibus tomentellis tubo multoties brevioribus; calyce fructifero glabro inflato reticulato nervoso; legumine juniore cano anguste oblongo stipite aequilongo. — Crescit ad Aleppum et ad pagum Gortulj prope Euphratem.
111. A. URUGUIERI Boiss. 1. c. 102. f — Suffrutescens: caulibus brevibus teretibus procumbentibus ramosis; ramis abbreviatis longe longitudine laxe foliosis breviter et dense niveis; stipulis scariosis leneris glubris ovatis acutis: foliis remote 2—3-jugis, peiolo valido rigido glauco - canescenti in mucronem validum, foliolis longiorem abeuntes, foliolis carnosulis glabris glauco-caesiis cuneato-subrotundis obtusis vel retusis obsolete mucronulatis; floribus solitariis ad axillas inferiores rariore breviter pedunculatis; calyce fructifero glaberrimo pellucido medio reticulato - nervoso, dentibus triangularibus lanccolatis ndprosse hirtis conniventibus; legumine. . . . ? — Crescit inter Bagdad et Kermanschah.
112. A. SCORPIUS Boiss. 1. c. 103. + — Fruticosus: ramis breviter canis horridis; foliis gemmarum axillarium ad folia 6—8 minima adpresse birta elliptico - linearia obtusissimam muica subsessilia fasciculate reductis; foliis secus ramos annotinos nascentibus remote 5—6-jugis, peiolo rigido persistentibus spiniformi elongato albo, foliolis citè deciduis; stipulis tenere membranaceis triangularibus vix perspicuis; floribus e foliorum gemmis solitariis binisve subsessilibus, basi bracteolis oblongis minimis stipatis; calyce apressissime sericeo-canescenti, florifero tubuloso, dentibus minimis triangularibus tubo multoties brevioribus, fructifero inflato ovato; legumine. . . . ? — Crescit in provinciis Laristan Persiae australis.
113. A. ANISACANTHUS Boiss. 1. c. 103. f — Fruticosus: ramis horridis adpresse tomentellis; foliis gemmarum axillarium brevissimis bijugis; peiolo leni in spulam brevem abeuntes, foliolis obovalis mucronulatis adpresse canescentibus; foliis ad ramos annuinos nascentibus elongatis rigidis erecto-patulis 3—4-jugis. peiolo superne pⁿⁱ* niusculo sulcato pedunculis e gemmis oriundis solitariis brevibus 1—2 bracteolis ad calycis basin oblongis minutissimis; calyce fructifero inflato breviter hirta valde reticulato - nervoso, dentibus setaceis brevibus; legumine cano oblongo breviter mucronato, vix stipitato. — Crescit in regno Cabulico.
114. A. JUBATUS Boiss. 1. c. 104. — Fruticosus: ramis breviter caesoenibus horridis peioli foliorum super ramos annuinos nascentium longis acerosis erecto - patulis

) cmonuscule 5-jugu», foliohs . . , loins gemmarum axillarfuw quadruple* brevioribus, foliolis approximatis 5-jugis cuncscntibus ellipticis mucronulatis, peliolo tenui in spinam minimam abeunii, stipulis vix perspicuis, flonbus mmulis in anllis 2—4 pedunculo VII perspicuo suiTultis, bracieis oblongo - hnearibu9 pedicello sublongionbus, cahcis dense et breviter tomentosi gnsei, flonlen cyhndnci curvau denubus lincan-sotnceis. tubo multoties brevioribus . — Crescit in regno Cabulico

Sectio IV. *PODOCHREITI* DC

5 15. *Anthylloidei* DC. 1. c. 300. — Repeit. I. 706. II. 875. V. 518, Annal. I. 240

115 A GIIIONOPHILUS Boiss a Heldr Diagnos plant orient nov IX p. 52 f — Pihsmprossiusculis dense argyreo - senceus caudiculis longis nudis subterrancis flhformibus caulibus brevissimis foliosis folns brevibus saepius recuivo-patulis 8—10-jugis, foliolis subcontiguis minimis oblongis vel oblongo - elliptius obtusis, stipulis in unam oppositifoliam ad medium usque tngulan-bidentalarn connatis. pedunculis folio |w longionbus in capiulum 5—8 - (lorum etiam fructiferum rotundum conferlis, bracieis nigro - pilosis oblongo - lineanbus, calyce inplo brevioubus calyce llonfeio subcjlinduco adpresse et nigncanti - sericeo, dentibu^taigio - pilose lineanbus , tubo dimidio acquilongis, fructifero inflato ovalo rubello-lmeato, corolla e sicco Icucophaea, calyce vix duplo longion, vexillo oblongo rotundato vel relucro , alas canna paulo longiores breviter superanti, legumine ,,,? — Crescit in saxosis ad nivea in cacumme inonlis Gheidagh Taun Isaunci alt 7000—800 ped

116 A GRAMMOCALYX Boiss & Hohen I c 52 f - Toius patule et breviter tomentellus gnseus caudiculis filiformibus nudis, caules breves cidentibus, fohis 10—12-jugis, foliolis approumatis ovatis oblongisve subretusis, stipulis inter se et a peliolo libens foliaccis late et biCMtei tnaguhnbus acutis, pedunculo supernc saepe nigropiloso folia piulo superante racmo o\ato-oblongo laxiusculo, bracteis lanceolatis nigropilosis, calyce dimidio breMonbus calyce patule et sordide hnsulo, florrfero lubuloso, fructeio indato ovato, dentibu^ cahcinis setaceis dimidio tubo acquilongis, corolla violacca, calyce sesquolongion vcvillo oblongo-lineau alas cannamque acquilongas quanta sua pane supeianli, legumine . ? — Crescit in collibus argillosis ad radices montis Demawend prope Lar

117 A SACCATUS BOISS 1 c. 53 f — Tulus adpiessc emus aspiuhi!> caudice cylindrico duro elongato, caulcm brevissimum foliatmn . s>acpc basi lamosum edenti, folus remotiuscule b—8-jugis, foliolis oblongis obtusmsculis, utnque cams, stipulis pann> 6 peliolo et inter so libens cams a basi tilan^ulai i bieviter lincan-aiienaaiis, pedunculo folus subbrezion ascendenli, flonbus in racmum abbrevialo-capitatum, post anthesin clongatum laxum confertis, bracteis lineanbus, pedicello bievissimo duplo longioribus, calyce breviter et dense tomnicillo gnscu, ha&i laiion oblongo saccato, superne subattenuato, dentibus linean - setaceis tubo quinluplo brevionbus, corolla intense sulphurea, calyce sesquolongion vexillo oblongo acutiuculo plicato. alas cannamque subaequilongas paulo superanti, legumine *» — Crescit ad Ispahan Persiae.

S- 16. *Capnii* DC. I. c. 301. — Reperl. I. 708. II. 876, Annal. I. 240.

118 A CHRYSANTHUS Boiss & Hohen Diagnos plant, orient nov IX. p. 73. f — Acaulis caudice indurato, folus omnibus radichbus peliolo patule puberulo suffTultis* 15—20-jugis, foliolis infcnonbus remotiusculis, supenonbus approximatis, omnibus petiolulatis oblongis obtusis, utnque adpresse senceis stipulis membranaceis ovalo-vecolatis obtusiusculis breviter peliolo adnatis f edwicuhs stnclis luha vix superantibus, Qonbus 8—10 in racemum ovatum laxiuscule congests pedicellalis erecto-patulis, bracteis lineanbus hirsutis pedicello paulo longionbus hispidis, calycis membranacei patule hispiduli dentibus lineanbus, tubo tn plo brevioribus, corolla aurea cal}cc plus duplo longiou. vexillo oblongo subiecurvo alas s^eranll, alts lineanbus

».

cannam mullo superantibus leguminc juniou o\ato con>pre<so subincurvo oblique et breviter rostiato, caljccm flssum paulo superanli. — (resell in monte Llbis prope pa^um Passgala

- 119 A P\RRHOTRICHUS Boiss 1. c 73 f — Talus pilis patuli* rufis dense hispidus caulo brevi folns Ion_e'is lemotiuscule 20—25-jugi>>, foliolis mmutis orbiculatis> petioluhlis supia „Mabns, sublus ad nenum medium marginesque ciliaiw, stipulis teneii^ memVranaccis lanceolaiis elongate bispidis, racenns oblon-jis laxiusculis., pedunculo fohis dimidio breMori suffullib bractei9 linean - setaeis cahcem dimidium aequintibus, floubub longissimis caljcis p.uxe bispidi donlibus sclaceis tubo aequilongis, toiolia cahcc sesqmlon^ion, ovano dense ruiescenti-bispido, legumme .. ? — (lescit in icgno Cabulico
- 120 A AEGOBROMUS Boiss a Hohm 1 c 74 f — Glabei iliizomate prostrato suffrutes>cnu, cauhbus nullis foliis. JI—13-ju_o'i», foliolis pclioluhlis ovitis obtusis mucronulalis lacte vindibus glabcmnis \cl tilio uno altcrove margine ob^itis, a basiad apicem foln «ensim diminuu>, pctiolis dun* ascendentibus, tandem nudis persislenibus stipulis albis membranaceis liidngulan - lanceolatis longiludinalitci plicatuhs, raceme ovatis d<;nsiusculis subsocundis, podunculo us acquilongo su(Tulu<, bnclais virescentimembranaecis ob!on_d'o - hncqfilati* acuminate caljci acquilongis, lajcls flAmo-membrancei glabemmi tubulosi acntibus lmeanbus acuti^, sinu lato rotundo separali^, lubo triplo brevionbub corolla cahce sesquilongion Icgumine erecto sessih oblongo-elliplico \alde compre^so in mucronem subobli^pum abeunli glaberumo, nenislongiludinalibus anaslomosanlibus lugulosib dorso lon^evIb — Cicscit in piovincia Adeidjjin el in hucibus monti» FIBius ad Dei bend
- 121 A RI MOTIJUGUS Bois« a Ilobcn I c 74 f — Glabcinmu^ subacaulis cauditulis lenuibus reptentibus folns remote 4—5-ju_o'is, foliolis lacte glauco-\nentibus carno-2>B> orbiculatis rotundalis cum mucionulo vtl reluhiu, stipule albo-membranaccis tnangulan - lanceohtia pciolo adnata racemis breviter pedunculaiis oiaais ciassiusculis pauciflons, biactcis albo - membriancis oblongo-lanceolatis aculis caljce dimidio brevioubus caljcis glabernmi flavescentis denlibus tuangulan-lanceolalib, (ubo 3—4-plo brevionbus, corolla fta\ a caljce sesquilongion, legumine (junion) glabrescenU o\ aio-oblongo scssih obtuso, brcciter mutronalo — Cicscit in scbisObi* montis Elbrus pi ope Derbend
- 122 A. ALC\A\DRIMJS Boiss I c 75 f — Tulus pilis patulis bispidus gnseus sul-acnulis iliizomate sulTrulCbCenti cacsposito foliis 13—15-jugis, foliolis ovatis retusis. slipulis membranaceis bispidis lanceolalo - acuminatis, racemis subsessilibus densiusculis, bractis> lincan-selateis cahcem dimidium aequantibus, cahcis bispidi flavidi denlibus lincan-subulaiis, dimidio tubo longionbus, corolla caljce sesquilongion. leguminibus calycem flssum non supeianlibus sessilibus breviler ovatis non compre³* sib, longe et pnrce Inrsutis, tandem glabresceniibus, lenuiler transverse venulosiN^{5U}* tura utraque piacsoitim superior! elevalis obtusis, mucrone brevissimo terminatis "" Lre^cit in \<;g\plo infenoii prope Alexandriam
123. A MODLSTUS Boiss a Hohen lc 75 f—Glaber acaulis caudiculis tenuibussubterraneis, foli> paucis brevibus bumi expansis 16—17-jugis, foliolis paivib oblong⁹ vcl ellipticis acutiusculjs slipulis cum braceis ad basin foliorum congeslis albo - membranaceis ovato-oblongib obtusmsculis flonbus paucis j>ubses&ilibus, caljcia g^^{b11} fl\idi drnnbus breviter trnngulan-lanceolaiis lubo triplo brevionbus corolla cal;^{ce} subduplo longion legummo glabio mmimo bievitei elliptico compresso, basi et api^ lotundato, mucrone tonui mcurvo longiusculo instructo, margins vexilla-ri carinu* lato. ad latera cannae ulrmque sulculoso — Croscit ad radices monlis Demawo^d prope Lar
- 124 A COULTERI Bnth Plant H#tv#p 307 - Undique pube sencea mcanus caule decum^m bente (') flexuoso, stipulis membranaceis tnangulanbus brevibus, petiolo 9ubadB<*>J* foliolis 13—19 obovatis obcordatisve. spica mlorrupta laxa folio longion bracie^m* parvis, calycis denlibus tubo suo paulo brevionbus Irgumine sessili turgido o^t<^o incurvo atuminato Abconoceo sonceo-villoso — Habnq \ tnfleriim nec non Fla-

cam *candidissimam* rceit Pili breves sericei molles appressi OUDCS parley, corolla excepta, obiegunt Folia subtnpollicann, fohola 3—5 lineas longa Spica cum pedunculo 4—5-pollicaiis Flores in pane infenoie pauci remoti, in parte supenon plunni Rhaches defloiali uti petioh veusti submdurati dm persislere videntur Pedicelli brevissinu Cahccs 2 lin long] vcl paulo longiores, dontes angusti paium innccunles Corolla 6 lin longa Legumen 7—8 Jin Jongum, basi valde turgidum, complete biloculare Stmina pluiuna at non numeiosa — An recte bujus sectionis? — Grescit in California jurta Monterey

§. 17. *Imam* DC. 1. c 304. — Rcepit. I 709. II 877. Annal. I. 240.

U5 A SUBSECUDUS Boiss & Hohen Diagnos plant onent nov IX p 54 + — Acaulis. radice verticali crassa foliis radicaibns numerosis erectis longiusculo petiolatis 15—18-jugis, foliolis ovaiu* obtusis vel subretusis palhde virentibus utunquesub lence pñi> albis brevionbus adpiessit, parcissime obsitis. stipulis brtviter tnangulan-lanceulatis ncrvulosis petiolo adnatis. pedunculo folia aequanti vel paulo euperanli tacenio terminali oblongo-elon^ato laxiusculo, fructifero subscundo, bracleis minulissimis albidis, floubus brevissime pedicellatis lectis cahce albo-membranaceo oblongo subinflato fructifera paululum aucto, piiis nigns^brevssimis adpressis veluli nigro-punclato, denticulis tnangulanbus brevissi^feeorolla sulphurea caljce duplo longioti vexillo apice longe altenuulo acuto canno^pice violaceam quarta parte sua superanti alis lineanbus apice bidentatis cannam superanlibus leguminibus rectis linean-subcompressis glabrescentibus aculis, ulraque sutura subcannatis caljcem paulo superanlibus — Crescit in collibus argillosis mentis Syach Nalas ad radices montis Demawend

Ub A ATROPURPUREUS Boiss & Heldr. 1 c .54 f — Perennis acaulis lluzomalo induralo crasso loins remotiuscule 4—8-jugis, foliolis magms ovatis acuti*. utnnque idpressissime senceo - canescentibus stipulis tnangulan-lanceolatis aculis rubellis cans basi ncivo>>is, petiolo adnatis ptduncuhs flonlens folia aequantibus, deuium clongalis lactmo floiifero ovato de^sif^oro, fructifuo laxissimo valde elongato bractcis lineanbus caljcis dimidiam \cl terliam parlem aequantibus flonbus bieviter pe dicellatib patulis caljce lubulo&o nigucanliriubello pilis Ah\^ nij,nsque Qdpressiss me U parce Inrlo, denlibus lieanbus lubo dimidio vcl lnjilo brevionbus corolla atrowolacca cahce duplo lon^ion, vexillo medium versus \alde cuivalo oblongo - lineari, apice rcioso, alis terua parte longion alis angustc lineanbus, margine supenon gibhii>, extremilate obsolete rctusis, caiina angusta elongala parum curvata alis paulo bievion, legumine adresse cantscenti nigio-maculato pendulo cjlindnco-subincurvo talyco duplo longion obtusmsculo mucronato, ad lalus convexum obsolete sulcato. — Ciescit in are no sis ad vias planitiei Isbarta Pisidiae

I& A TIGRIDIS Boi^s 1 c. 55 f — Acaulis rhizomate indurato, foliis brevibus 2—5-jugis, foliolis magms ovatis obtusis vel acutiusculis, utnnque adprcssissime senceis Aspens stipulis lanceolatis brevissimis, racemis ovatis laxmsculis post anthesin elon&atis pcdunculis basi ascendentibus, folia superantibus bractcis anguste lineanbus, caljce triplo brevionbus flonbus subse>silibus patulis, demum dedexis calyce lubuloso basi gibbo, adpre^sissime canescenti, denlibus hneonbus subrecurvis tubo circ. dimidio bievionbus corolla flavida caljee sesquilonion, vexillo oblongo subrerur\o otubo aha piulo longion alia maigine supenon gibbis, canuae parum curvatae aequilongis leguminibus pendulis oblongo-lineanbus. subcompressis subfalcalis, basi subangustatis calycem vix excedentibus, in losium longiusculum abrupte atenuatis canescentibus — Crescit in Mesopotamia prope Beschabur ad trajectum Tigulius

^ A CHLOROCYNLUS Boiss. ft Reut 1 c 56 f — Cauhbus sulTrutescentibus erectis vcl ascendentibus elon galls, petiolis stipulisque vetUslis dense stipatis, foliis 2°—'25-jugis, foliolis approxi mails minutis bvatb oBtusis, supra glabns, rarissime canescentibus stipulis lanceolatis adpresse hirtis, basi neivosa petiolo adnatis, pedunculis folio longionbus, racemis terminahbus laxis oblongis, demum oblongo * cyuodncis, b^racteis virescentibus margine membranaceis oblongis acutis, caljce tnplobrevionbus,

calyx tubulobi parco et adpiessissnne pilis nigricantibus ramulis obsili albido-rubelli ilcniibus. anguste lincanbus acutis, tubo dnnidio acquilongis vol longionbus, corolla calyce duplo longion palhde vjolaceo-viresceni, vexillo oblongo-attenuate apice letuso olib quila pane longion. ahs lincanbus rectiusculis, margme supenon binualogibbis, apice integns vrl obsolete el maequaliterbidentntis cannam superantibus, leguminibus rubellis pilis idprssissimib obsitis, demum glabrescentibus erectis lineancjlindncis subcompicssi* suisum arcuato - fdcalis, calyce 3—4-plo longionbus, apico jn rostium tenue abruptiuscule jltenuatis — *A Monspeswlanus* mult auct (npcL) — Crescit in collibus siccit. regionis Mpditenancae australions occidentalis, Hispania oiientali circa Barmonem, in legno Granatensi et contrail circa Aranjuez, in Maundnia propc Algenani

- 129 A PINARDI Doiss. I c 56 f - Subacaulis caudibus mduratis brcmssimis prostratis, folns 12—15-jugis, foliolis ovalis obtusis pallide virentibus, superne glabns, inferno paice »t adpressissime sub lente pilis albis obsitis stipulis tnangulanlanceolatis acutis, ptdunculis ascendentibus lubtilis, folns brevionbus vel aequilongis, racemo oblongo laxiusculo, fiuclifcro vi\ clongdto, biactcis oblongis acutis membrand-(Cis, pcdictillos \ix superantibus, cahcis clirulnci pilis nigns sparsis adpressis hirtidntibus lincanbus tub um dimidium aequanlibus, coiolla purpureo-violacca, cahce plus duplo longion, vevilloAuperne hncari obtuso vel acuiusculo, alas plus tertia pane supciant, ahs angusllmfcailibus, margme supenon convxiusculis, vix gibbis, apice mtegn el bidentatis (annam vix supeianlibus rubric ddpresse hirtellis lineanilymdncis M\ compressis, demum valdo falcato - requavis in rostrum tenue breve apice suisun allcnudlis calyce quinluplo longionbus — *A. Wonsitissulanus* var. *vane-gutus* Pinanl — Crescit in Cana, in saxosis montis Solima Lyciac et m Graecia.

§. 18. *liadiciflon* DC. 1. c. "305. — Ropert. I. 710. II. 879, Annal. I. 241.

- 130 A OEMISSUS DoibS 8c Heldr Diagnos plant oncnt no\ IX p 50 f — Tolus adpresce scuceus, basi sulTrutescons^caulis caepitosus folus bie\issimis humi expansis 7—9-jugis, foliolis minimis ellipticis obiusis plicalulis valde approximate, stipulis -breviter triangular!- lanceolatis aculis, petiolo basi adnatis, pedunculis folio 2—3-plo longionbus (lonbus 5—8 dense capitatis, brac(cic lincanbus uiljce tn plo brevionbus, calycis adpressiuscule birsuli dentibus linean-selaccis, lubo dimidio brevionbus, corolla flavcscenti caljcc duplo longion, vexillo oblongo obtuso alas canna longiores superanti. legumme > — Ciescit in monte Gheiclagh Taun Isaunci alt 6000 pedum

- J31 A. DIPH(SUS Asa Gray, Plant Fendlei 34 no 146 — Subglabcr depiessus caulibus numeiosis e radice peipendiculan crassa adsurgentibus, stipulis inangularibus acummalis scanosis, basi petioli adnatis, folns 9—10-jugis carnosulis obovato-oblongis >aepc rctusis, pedunculis folium aequantibus, racemo spitalo densifloro brevi. pedicelli& bractea ovato-subulata persilente calyccque cjlindracco bicvioribus. (orolla caerulett legummirubus membranaceis o\ntis infldtis acuminatis, suisum arcuatis, sutuns utnnque introflexis subdidymis complete biloccellatis pol\speim^{is} nitidis — Habitat in Nova Mexico

f *Species dubiae insuffuientei descriptac*

(DC Prodr. II. 306. — Report I. 710 II 879, Annal. I. 968)

- 132 A ABYSSINICUS Steudel mss ex A Rich Tent fl. Abjss I 193 — Caule erecto 2—3-pedaIi vngato simpliciusculo leicti glabro, folns impaii-pinnatis 10—13-jugl^f foliolis subahernis elliptico-oblongis, apice basiquo obtusis, apico mucronulatis. P^{an} lidis, subtus pilii rans con^periis, stipulis foliacei^ semi-ovalibus cordatis. foliolis lati^onbus, racemo tennmali pamculato, legummibus compressis angustis, basi stipiW^{isr} apice acutis venosis glbris poljspermis — Habitat in Abyss/nae provincia Tigre\

- 133 A. VENOSUS Hochst ms & «A Rich 1 c — Caule eieclo lamoso 2—3-peddli, ram is puberulis teretibus, folns impaiipinnatis 1(V—13-jugis, foliolis suboppositis brevissirae potiululatis parvulis oblongis ellipticis submucronulatis, subtus piaoserlim in nervo medio pilosis stipulis foliaceis bemicordatis aculis, racemis simpheibus elongitis pedunculatis in panicuhm terminalem dispositis, legumimbus angustis, oblongis subinflaiis venosis glabns, apice aculis, polyspermis — A *Tigracensis* Hochst mss — i_n Abyssinae prov Tigé

f Icon addenda.

V CANADLNSIS Linn —(DC. 1 c 293 no 114)— Torr. Flor New York I 172 tab ff

6574. BISRULIA Linn,

(DC Prodr II 307)

- 1 It LLIOCARPA Hochst rass ex A Rich Tent fl Abjss I. 194 — Annuu caule a hast ramoso tereli pubente, 3—8 uncias alto, folns impanpinnatis 6—12-jugis, foliolis paivulis oppositis elliptico-oblongis subcuncitis, apico profunde emarginatis. subtus cinereo-pilosis, stipulis lanceolatis acutis pilosis pedunculo axillan. folns dimidio brevion, apice 1—3-floro, legumimbus oMongis compressis glabns vonosis, maiginc subinlcgns — Habitat in Abyssinae proviWà Chirt

Tnbus m. VICIEAE DC.

6578. CICER Toutnef.

(Jaub ft Spach in Wlprs Repert. ^I 883 8k Annal I 242)

- 1 f (*Spuocciai*) OXYODON Boiss 8c Hohen Diagnos plant orient nov IX pag 12) f — Perenne, tolum pilis minilra spaisis glandulosis viscidulis obsilum vinde raulibus erectis subflexuosi>, loins IR-5-jugis foliolis eximie venosis subrotundis, superne subbrunclis, basi cuncatis, utnnque anguste 4—8-dentatis, dontibus tnan-gulanbus aculissimis, terminali brevion, peuolo superne canahculato in cirrum simplicem vel ramosum abeunti, stipulis parvis scmiovatis acute et prof undo 4-dentatib, pedunculis folio brevionbus 1—2-flons in aristam pedicellis longiorem obscunlibus, pedicellis tomentello-viscidis cahci acquilongis calyus pubescentis viscidi basi gibbi lacimis a basi lanceolala in cuspides seiaccos, apice incurvos cirnformes corollam subaequanles atenuatis, tubo muliotics longioubus vexillo ovato lilacino alas cannamque pallidioies supciand, alis ob ovato - spatulatis cannae apice valde attenuatae acquilongis, legumme dense pnberulo uscido oblongo lurgido, semimbus valde tuberculato-scabns rostellatia — Crescit in rupestribus Astonbag montis Elbrus prope pagum Pasgala
- ^ C (*Anciana*) MIMJIUM Boiss tt Hohen. 1. c 130. + — Perenne, totum patule glanduloso-pubescentis gnseum radicibus crassiusculis, caules nanos fliformes basi serpentes nudos, dein foliosos procumbentes edentibus, folis brevissimis ambitu ovntis 'mpanpinnatis, foliolis cuneato-ovalis coraplicatis, apice obtusiuscule 5—7-dentatis, stipulis minimis, petiolo dimidio brevionbus, Infenonbus tnflidis, lacinia media tnan-gulalii-lanccoldta, lateralibus multo brevionbus. supenonbus semisagittaUs, pedunculis uniflons, ad modiam partem articulatis ebracteatis, folio aequilongis, calycis hirsuio-viscidi, basi subgibbi lacimis lanceolatis acutmsculis tnnervus, tubo duplo longionbus, corolla paulo brevionbus, vexillo violaceo vel sangumeo, alls cannaque apico attenuata paulo longion legumme ovato - oblongo inflalo pubescenti -visudo, sennnibus oblongis breviter et acutiuscule rostellalis, sub rosello foveola rotunda excavaiis obsolete et sparsim tuberculato-punctatis — Crescit in schistosis prope Mcdan Abdallah in valc Loura montis Elbrus
- 3 r (*Anetana*). JUDAICUM BoibS I c 130 + — Annuum, paice et palulc glanduloso-hirtulum, caulibus tenuissimiu crclis folns impanpinnatis 11—13 - foholatis, foliolis

- ovatis, basi mcgra subcuncais, ad mediam partem usque ultinquo in 3—4 denies argute sul>pinnato-deniatis, dentibus supenonbus InfdiN stipulis o\alis minima crebn> denticularis pedunculis uniflois folio mulio brevionbus, ad medium articula-ns an<>lulaisque, ciljcc glanduloso-hnto fere ad basin u*que in lacimas lanccolalolinciiies atulas ooiollam »ubacquanio* subtnneivcs parMO floubus pallide \iolaceis. vexillo ovilo-iolundo, alas cannamque paululum superanti, legumine oblongo sub-comprisso hirlo, scmmibus ? — Crescit circa Hicrosohma
- 4 C. (*icwidii**) (UNI ATUN Hochst mss in A Rich Tent fl Alqss I 195 f — Yiliosum foliis infpnoiibut impanpinnatis, supenonbus abiuptc pinnatis, apice cirn-feus subrainosis. foliohs obovah-cuneatis, apico profundo inciso-dentatis, supcionlm* mmoiibus, stipulis palmio-dissectis, leguminibus o^oidci* inflalis villo->is — Habitat in Abjssmiac provincia Tigr<5

6380. ERVUIS *Tournef.*

(DC. Prodr II 366 — Wlprs Repeil I 712, Annal I 242)

- 1 *L BIEBLRSTLINII Guss (ubi?) \ar *lhjmcclui* Boiss Dngnos plant orient nov I\ p 115 — Ifumilior, podunculi 1—2-r>cc 4—6-flon, leguraon 4-nec 5—6-spermum. — Cicsut in monto IfjmPtto^I in montibus nd Smyrnam
- 2 L (*Lent*) (YAMUM Boiss ^Hohen Dingnos plint orient nov || p 115 f— Annuuin, totum jintule luitum canescens caulibus pum'ilis angulaiis foliis bre\ibus approximativ 3—4-jugis, foliohs ellipticis oblusis, pctiolo plamusculo aut foliolo impau aut iauus mucionulo bie\issimo iciminalo stipule oblongo-Idnceoltitis aculiusculi^ intpgpiiiniis, pedunculu billon* folio |i\ longionbus anstalis, pedicello ciho subuquilongo ralycis birsuti lacinns lanceolatis duplo longioubus, corolla intense caerulea brevionbus stylo *j>ice dilalato, lalete supenon pilosulo, legumine subrhombco glabio 1— 2-speimo. — Crescit in gluscosis montis Llbis propo Dei wend
- 3 K ORIEMALL BOJSS 1 c 115. f — A^mm, ndpicssiussculc birlcllum caulibus pumihs angulatis, foliis bre\ibus appioximalis 3—4-jugis, fullolis ovatis clipliscive oblusis, pctiolo in mucronulupi vel foliolum impai abeunli, slipulis ovalo-oblongis inlegernmis acutmsculis pedunculis 1- ranus billons aii^tatis, lloie longionbus. peditelto caçce pjulo brevion caljus adpLssiu^cule luitj denlibu^ lanceolato-subulalis lubo tnplo longionbus coiollarn subacquTritibus sijlo jpice dildiato, laterc supenon pilosulo, Itgumine subii0011100 ghbio dispenrio — Ciescit in monlanib lapidosis totius Onenlis, Cadmi sujua Colossam in Anaiolia, Antilibani cuca Rabdieja, Peisiao uusiaaljs pi ope Gcic inter Abouchbir el Stbnaz

t lpon addenda.

- C HIRSUTUM L. — DC 1 c. 366 no 5 — Torr Flor. New \ork I 152 I. 21

6581. VICIA *Linn*

(DC Piodi. II 354 — Wlprs. Report I 713 II. 885, Annal. I. 272)

§. 1. Flonbus pctlunculatis.

1. > DURANDI BOJSS Diagnos. plant orient, nov IX p. 116 f — Peronnis' p<^r' cissime et adpresso pilosula caulibus tenuibus angulaiis scandentibus, loins bre~vibus 4-jugis, foliohs elhpticis basi et apice lolundatis mucronulalis, pctiolo ¹⁰ cirrum simplicem vel ramosum abeunti, slipula scniisagittata, lacimis nervulosis la^o ccolatis simpudatis, altera denticulo ba^ilan saepe aucta valde dnaricatis siipulam in- dmsam horizontalom rectam trans>erse linearcem simulantibus, pedunculis 1—2 dtilis supremis ortis folio paulo longionbus 2—3-lions, pedicellis calycis- tube aequilongis, flonbus magms, calycjs poiulo Jurtelii campanula^ basi gibbi obsoleta labiati dentibus inangulari-lanceolalis subaeqnilongis tubo s,ubbre\ionbus, superloJJ bus sursura subcunatis, coiolla c sicco flavida calyce plus tnplo longion, v6x^*:

lamina ovata retusa, sursum angulo recto cuivata ungue longiori, alas supeianii canna bieyi valde ot rolundntim subtus cunata alis brevion, stylo angulo subaculo infracto, apice undique sed laiere supcnon longms hirsuto, legumine Qunion) hneari recto 11_14-ovulalo — frscit in Mauritania ad Tmgidem

- 2 V P VLAFASTINA Boiss 1 c 116 -|—Annuā parcissime sub lente hirtell* caulibus tenens tenuibus mgulaUs folus 5—9-jugi-> petiolo simplici vel runoso terminate, foholis Miidibus linearibirs aculis- vel apice rotundaiis mucronulatis saepius alternis, slipuhs minmis<nnis mflmis seinisagiUatis mlegns, supenonbu* oblongis acutis integns \cl lubulo lalcrali auctis, podunculis axillanbus tenuibus folio 2—3-plo breuonbus 2—4-lions muticis pedicellis cahci acquilongis flonbus minutis tandem deficits, calve pircc et adpresso fhrlulo bihbnlo hbu supenons denlibus triangulanbus bitvibus lais sursum subiccurvi*}, labii infeuons paulo longions dcntibus triangu- lanbus lanceolate tubo calycis icquilongis corolla caeiulci cahce tnplo longiori voxillo glabro apice truncalo retuso cannam superanli, st\lo apice circumcirca aequaliter piloso legumimbus glabns linean-subrhombis stipilaus oblique mucro- natis dispermis seminibus subcompressis nigncanti -vclutimforraibus. hilo periphenae sextam partem occupanti — Crescit in rupestnbus umbiOMS Palaestinae circa Kunet et Knab, Hierosohma, montcm Ithaburcm etc
- 1 V MICROPHYLLA d Urv —DC Prodr II 358 no *Zi — Boiss 1 c 117 f (Char emend) — Annuā, tota breviler et patuLe pubeiula caulibus* angulatis filiformibus tenuissimis debilibus abbreviati9 inter suffrutices intncalis, basi ramosissimis, folus hrevlbus 4—5-jugis, folus minutis ovaus oblongisve brevissime polioliulalis obtusis iDucronulotis petiolo plamusculo in cirrum brerem ramosnm abeunti stipulis miniinis semi>>igiiiiaii bifldis inicngns acutis, superioribus substipitatis pedunculis gracilibus incuivis ioho axillan subduplo longionbus laxe el secunde 4—6-flons pedicellis bicvissimis caUce basi gibbo breviter tubuloso parcc ei adpresse hirlo bilabialo, labio supouon bideninto, denlibus inangulanbus aculis, inferiori longiori indentalo, dcn- tibus lancolato-subulalis lubo aequil^ngis, corolla intense violacea concolon cahce tnplo longiori vexilli sublineans supcrne subdihtili alis paulo longions lamim jib ungue indisimcla, cmna apice airo-purpurea vix incurva, maigine inferiori rotundaia alis brevion, stylo angulo obtuso mlracto, apico latere mtenori lanium baibalo, legu- mine compresso oblongo-rhombeo sub-4-spermo semimbus atris veluuniformibus compressiusculis, hilo penpheria semmis dccies brevion — Crescit m omni regione in fen on Gracciae inter dumos bumilos praescrtim *Potent upmost* el *Ihymx capitati* lnlncata, in Attica, Peloponncso, in9ula Chio.
- 4 V CRETICA Bois9 *Be Heidi* 1 c 118 + — Annuā, sub lento adpresse ot parco hir- tella caulibus filjformibus angustalis tenuissimis inter fiutices intncalis foliis bre- vissimis 3—4-jugis, foliolis ellipticis linean^u^c, fohoiium infimorum minimis ovatis, omnibus acutis mucronulatis potiolo plamusculo in cirrum brevem simpliccm vel lamosum abeunti, stipulis obtnangulaubus divergenti-bifurcis brevissimis, basi cu- nenia substipitalis pedunculis 1 — 2- ranus 3 — 4- floris, folio axillan brovionbua vel aequilongis ranus loDgionbus cahce broviter campanulato, basi subgibbo parcissime hirtello labil supenons brevissimi sublruncati dentibus breviasiinis trinngulan-aeutis •iscondeniibus, inferiori longiori in dentos e basi triungulnn lenoeolatos rectos calyCis tubo toquilongos parlito corolla calyce tnplo longiori, voxilli violbcei strnli lamina "Hibrclleva ungue vix angustion et el aequilonga, alis palltdls vexillo brevionbus, can- na npice violacea, alis brevion, latere inferior) angulo recto curvata totique longitu- dine nervo margini parallelo percursa, stylo nngulo aculo infracto, apice sub stigraale ^rcumcirca burbato legumimbus glabns oblongo-rhombeis subtrispermis — Crescit m Cieta inter dumos *Potent spmost* in Cparchia Sitia ad radices montis Taxoutsu
- ^ V.spftuNDRI Boiss 1 c 119 f - Annuā, sub lenle adpccsse el parcissime hntella caulibus filiformibus debilibus angulatis proslralis, folus bievissimis 2—3-jugis, fo- hohis minutis oblongis \el ellipticis acutiusculis muironatis ptliolo bre\i plamusculo recurvo in cirrum simpliccm abeunii, stipulis minimis a b*si cuneata bipamtis, loci- ^s hrevibus linenn-seticeis dnaucaliis recurvis, suprcmis hneinbns mdivrais, pedun-

- rulis 1—2-flons, folio axillan brevionbus, calycis bicMici campanuhu pilis paucis longis him labio supenon fere obsolete truncato, denlibus ascendentibus brevissime triangulanhus, inferiori longion m denies triangulai 1-lanceolaios tubo paulo breuores Ifartito, corolla pallido violacea calyce feie quadruplo longion vexilli lamina relusa ungue subbiCMton subreflexa alis \cxillo paulo brevionbus, canna alis subaequilongalatore mfciiion lotundaio-curvata nervo margine parallelo destituta, apito intense vio-Jicea stylo angulo recto infiacto, apice dilalato circumuica bievitei birto, legummc (jumon) hnean-rhombeo basi ct apice longe attenuato 3—4-spermo — Crescit in Graecia loco non notato ad radices moniis Oelne Thessaliae
6. V CASSIA Boiss 1 c 119 f — Annuā, sub lento adpresse brevier el parcissime lurtella glabrescens caulibus elatis angulatis scandentifrus folns 6—7-jugis, elliplico-hneanbus subquinquneivus, basi rotundatis, apice obtu[^]issimis truncatis vcl retusis obsolete mucronulatis, pctiolis in cirrum ramosum abeunlibus, stipulis infenonbus parvis semisagittatis, cuspidibus lincanbus valde divancntis, supenoium cuspide altcra angusie linean, alteia oblonga acuta Integra, peduncuhs la^e 8—12-flons folio a\illan paulo brevionbus, pedicellis patulis calyce vix brevionbus, calycis lurtuli nervosi campanulati basi gibbi labio supenon brevissimo, dentibus 2 bievibus latis tnangulanbus ascendenlibus, lnbio inferiori in dentes e basi trianguhri subulalos lubo aequilongos diviso, coiolla calyco plus tnplo longion atro-violacea, vexilli alas multo supcranlis lamina subrecurva ungue paulo bievion, alis \cxillo subpallidionbus cannam subtus acute angulaiam valde superantibus, stylo angulo recto incurvo, apice circumciica piloso, leguminibus lincan-rbombeis 3—4-spermis, basi attenuate, apice lostralo-altenuatis, semine fusciscenti vclutiniformi, lulo penphena ocluplo brevion — Croscit in sylvaticis regioms mfeiiions montis Cassii in Sjna boreali
 - 7 V PINAHI Boiss 1 c 120 f — Annuā, sub lente paice adpresse ct breviler birtella vel glabrescens caulibus tenuibus elatis angulatis scandentibus, folns 4—5-JU<JIS, foliolis alierms lincanbus 3—5-nervus, apice in mucronulum brevissime aicenuans, pctiolo in tn rum ramosum abeunli, stipulis mffcnioibus parvis semisugittatis, cuspidibus valde divancalis, supenonbus magnis ovalis vcl oblongis, in slipitem basi altcnuntis aculis ncivulosis, allcra dente latoiali sursum aucta, pedunculi-s laxe 5-7-flons, folio paulo longionbus, pedicello flhioimi calyce acquilongo credo palulo, calycis parcisunc birti basi valde gibbi labio supenon brevissimo, dentibus binis brevibus late tn-gulanbus ascendenlibus, inferiori in denies e basi triangulan subulatos tubo breviores diviso, corolla calyce quadruplo longion, vexillo cacruleo, alis multo longion, lamina subreflexa ungue paulo longion, alis pallidis cannam subtus angulo obtuso manifeste angulaiam superantibus. stylo angulo aculo infracto, apice cificumcirca piloso, legumine (union) oblongo rhombco, ulnuque longe attenuato — Lrescit in Caria vcl in Lycia.
 - 8 V. GRGARIA Boiss fit Hldr 1 c. 421% f — Pei ennis multicaulis, tola pilis creclo-patulis villosa flavescenli-gnsoa caulibus reclis acute angular stnatisque, folns appoximatim 8[^]-10-jugis, foljolis lincanbus, infimorum obtu[^]Mu[^]culis, supenoruin acuminatis acutissimis, pcliolo supra piano, subtus angulato-cannaio in cmum brevem simplicem abcunti, stipulis magm* oblongis semisagittalis cuspidalis, lacinia exterior lanceolata acuta brevi, peduncuhs ex a\ilhs supcrioribu[^] folio paulo bicvionbus racemos secundos densiusculos 8—10-flosos ferentibus, pedicellis tubo calycis subaequilongis. calycis villo&i campanulali dentibus subaequilongis tnangulari-lanccolalis lubo paulo brevionbus corolla violacea ranus alba, \exilli cmarginati alas superantis lamina subreflexa. ungue breAiou, canna alis bievion, subtus angulo recto rotundalo curvata, apice acuti-uscula; stylo circumcirca sed extus copiosius baibalo, legumine oblongo subrhombco longe stipilato, utraque facie \el sacpius tanlum margine piloso 1—2-spermo, ~~seminib~~ b^l b^lo sextain ejus pen ph en am occupanli — \. ~~cancscens~~ Labill. var. ~~anguslifo~~ Boiss fi, Hldr — Crescit in redone supenore montis Glicidagh Taun IsajricT alt 5009 — 7000 ped gregane crescens lotumque jugum e longinquo tapete violaceo ublegens,
 - 9 V CILICIA Boiss. 1 c. 122 f — Perennis, tola tomento dense adpiessiusculo subse- nceo flavido - canescens. cauibus angulalis ereclis, folns appoximatim 6 — 7-jug¹¹s

cum impari, foliolis lae linearibus, apice obtusis \cl rclusis, slipuhs magms aculis, infenoribus oblongo-semisagittaiis, lacinia infeuori tngulan brevi, supenonbus oblongis integns, pcdunculis villosis folio acquilongis racmmum sccondum densum 8 — 10-florum ferenjibus. pedicellis tubo calycis brevionbus, corolla calyce tnplo longion c sicco pallide violacca vexilli lamina ungue paulo brevion subreflexn alls paulo longion, cauna apicc atio-violacea, subtus angulato - recurva alis paulo bie-MOII, stjlo angulo ICCIO mfracto, superne undique, sed extus longius hirsuto, ovario dense rulescenli-piloso senceo — Crescit in Tauro Cihcio

- 10 V SIBTHORPII Boiss. 1 c 122 -f — Perenms, lota dense et adpressiuscule villosocanesctns caulibus proslatis angulalis ramosis folus approximalim 8 — 10-jugis, foliolis ulnnque \illo»is ellipticis parvis, mllmorum obtusis mucronulalis caeterorum ncutis, peiolo in cirrum simplicem brevem abeunti, slipuhs parvis aculissimis, inflmis anguste lanccolato-semisagittatis, lacinia basilan minima, caelens angustissinie lineari-subulalis mlegiis pedunculis crassis lolio 3 — 5-plo longioribus racemum longum sccondum land cm laxiusculum ferenlibus pedicelhs calycis lubo brevionbus, calycis villosi breviler campanulaii cacrulescenlis labio supcnon brevissimo, mferiori longion, denubus omnibus inangulanbus vel tngulan - lanceolatis tubo brevionbus acutis, corolla linean Molacea caljce quadruplo longion, vexilli lamina cinarginata alis vix longion subrcOxa ungue fere dimidio breuon, cauna recluscula extremilate rotundala atio-MoIacea alis multo brevion, stjlo angulo obtuso mfracto, apico circumcirca barbato , leguminibus 6 — 8-spermis linean - rhombis apice basique attcnualis stipitatis. — *Vxcxa poly\|hyUa* Fl. Gr. — Crescil in dumosis et agris deiolictis tolius Graeciae, in Attica, Argolide et foriasse in Asia mmon

11. V VENULOSA Doiss fit Hohen 1 c 123 f — Perenms viridis lucida, sub lenle mmule et adpressissime puberula * caulibus acute angulatis flexuosis scandentibus, folus remote 3—4-jugis, foliolis pedicellate amplis ovaiis, basi rolundatis, aculiusculis inucronulali*, \enulis crebns, sublus elevatis percuisis, petiolo in cinum validum lamosum abcunli stipule sennsagiltaiis transversis, mferioubus basi 3 — 4-denticulalis, pedunculis pcliolo subacquilongis, apice lacemuin bicvem subsecundum 5 — 7-florura ferenlibus, pcdicellis cuinuis crassiusculis, calycis lubo plus duplo brevioribus, caljcis lubuloso-campanulaii adpressiuscule hirsuii denlibus tngulan-lanceolatis tubo tnplo breviortbus, corolla carneo -flavida cacsu taljcc 3—4-plo longion, vexilli alis sublongions lamina reflexa ungue biewon canna apico atrovioleacea 10-tundato-incurva alis brevion, stylo angulo mcurvo niffaclo, apice circumcirca hirlulo, legumine oblongo-hneau glabro, apice rotundato mucionulalo, liasi attenuato-'stipilato 2 — 3-spermo — Crescit in rupestribus piope Kolactilschal montis Elbrus prope

Derwend

- ^ V DLPAUPERATA Closs in Gay, Histona de Lbilo (Dot) II. 132 — Tola depaup-rata caule lenui laevi letragono, folus paucis bi- ranssime trijugis, foliolis obloogo-linearibus, apice uni—tnmucronalis, cirris breMbus, saepius simplicibus, stipulis laii-ccolaio-semisagittatis, integns scu basi tuciliato-dentalis, pedunculis folio longionbus subtnUons, calyce cainpanulalo, tubo brevi puberulo 5-dentato, dentibus lan-^ccolato-acuiis; corolla iriplo—quadruplo longion carnea, ovario subpuberulo; legumme ovoideo-oblongo valdo complanato subglabro badio, semimbus 6 — 8 parvis rolundniis planis badus — Habitat in Chile.

- 13 V. AESTITA Closs in Gay 1 cit p 134 — Tola pilosa caule obtuse tetragono ^{te}nui, foliolis 10—12, oblongis, mierdum subellipticis obtusis raucronatis, ulnnque ^valde pilosis, cirns brevibus. saepius biQdis, sli[^]ulis semisagittato-lanceolatis, pedunculis bipolhcanbus veriicalibus 1 — 4-lions, calyce campanulato quinquefldo brei nervoso-iuguloso puberulo, lacinns laoccolatis tubo aequilongis, legumine oblongo, ^{fol}»o duplo longion. cinereo-rubescenio glabro 4—6-spermo, semimbus parvulis oi-^{*}culanbus nigns — Habiiat in Chile.

- 1.* ^ ANGUSTIFOLIA Closs in Gay 1 cit. p. 135. — Tota pilosiuscula caule obtuse leiragoo tenui, foliolis 5 — 10 obkngo -linearibus acutis, facillime deciduis, cirris ^{Pe}90 brevionbus tnddis, apice circmnaais, stipulis lanceolal6-semisagittatis aut cal-
ll.

- caiatu peduncus axillanbus, iolio paulo longionbii!» puhoniibu* 2—4-flons **floribus** cernuis secundis caljoe campanulalo bicvi obliquo pubente qumquedentato Irgumine oblongo piano rufo, folio duplo longion, semimbus 10 par\is piano-rotundalis mgns. — Habitat in Chile
- 15 V MVGMTOLIA (loss in Gij I cit p 135 — Tota lacMgito caule elongato comphn ito sultato gl.ilio incriiodns \alde remolis pcliolis longis subhon/onialibus foholis 8 alieims pmeniibus magnis (llipticis, apice emargimto-bilobi!, tnuissime membranaccis, subtus nilidis, cims longis confonis slipnlis scnuidgiuntis in apiccm longum basi productis pedunculi* folio longioubus paiennbus sub 15-lions. cal)ce tubulo<SO puberulo, denlibns duobus super IONLUS subnullis, hcinnns lalcralibus duabus cuhdenuformnbus, in fen ore una, linean, multo longion, corolla auiea \ix calycem excrdnrto leguniinc ' — Habit it in Chile
- 16 \ ACI ROSA floss in G\ 1 c 137 — Tola hcMjaln caule tctragono debih, folns tnjugis, foliolib angusiissimc lincauilms longissimi& atuli* lucide viudibus, subtus brevissime subpubcrulis cm is bre\ibus simplicibus scu CIVMS stipule* linean-senu-sQgittotis ncuus panis pcdunculis folio aequilongis, laxc 4—5-flous cahce campanulato pubciulo qunquedcniatio. dentibus ncuus, corolla tuplo longion carnea, ovaou glabio, hgumine . ' — Habitat in Chile
- 17 V VICINA Closs in Cn\ 1 cit p 138 — Caule totragono dcibili foliolis 8 oblongo* linoanbus longis ncuus, sublus puberulis, cirns simplicibus divisis\c, slipuhs subulalis, calcare subaeqmlongo linean basi mumlis pcdunculis folio sublongioribus 4-floris cihce campanulato puberulo qumqiiflido, corolla tuplo longion carnea, o\ano puberulo loguminc ? — Habitat in Cnle
- 18 V MM KOINATA (loss in Gay I cit p 139 — Vn pilosiuscuia caule crecto frondoso foliolis 8—10 oblongis mucronatis, cirns longiusculis simplicibus vel 2—3-flidis, slipuhs parvis semisigittatis, anguste lancrolatis, pcdunculis pi in inns ereclis, folio multo longioubus 4—6-flons, flonbus secundis. calycis campanulali MIOSIUSCUII apice truncdti lacinnis linein-acutis, tubo subaequilongis, corolla luteo-alba, legumine ignoto — Habitat in Chile

§. 2. Floribus subsessilibus.

- 19 'V SATIVA Linn — DC. 1 c 360. no 52 — Var *albiflora* Bolss. Dia^nos plant, orient nov IX p 123 — Folia infenora elliplica, supenora lineana, omnia lelusa \oi truncata mucionulaia hlitudine vana, coiolla alba c sicco ochioleuca, legumiofl biCMtei pubciula — Hacc planta nulh nola gravion diflert a T *saliva*, cujus caljces multibliidos dentibus lanccolatis rctis, tubo acquilongis habet — Ciescil in culti* Aegypli et Palae>unae fiequens
- 20 V ASSYRJArA. Boiss I c 123 f — Annuu, tota pihs adpressiusculis hirtula ^iridinnerascemb caulibus ereclis angulatis, infcine ramo^is foliis 4—5-jugis, foliolis lineftii' runealic, apicr tiuncatis vel rctusis breviler mucronatis, pctiolo in cirrum simpl && abcunli, slipuhs nimulissimis oblongo-tiiangulanbus acutis mlcgris, pedunculi* brevissimis 2—3-flouis, pedicellis cernuis cal)ci» tubo brevionbus. cal^cis campanulati tomentelli dentibus c bnsi inangulan subuhlis, supenonbus brevibus, mleioribus tubi % acquanlibus <orolla (lnida cahce Uiplo longion vexilh lamina ovata retus^{fl} subrefleta alls vix longion, facie inteion sub lente punctata glauco - mtenti, cariO* nhs multo bie\ion cuivaus^ima galeala st\lo angulo acuto infiacto, apice circumcirO sed ad latus extenus longitis lin^utissimo, legumine 2—3- spermo glabto oblong^{0*} stipite ca,jjee brevion sulTullo, apicc roslrato semimbus ovatis compressis mgns ^6* lutimformibus, Inlo penpheia sominis d<cuplo brevion — Crescit in Assjna cif0 Diarbckir et in monte Kaiadja Dagb
- 21 V SESSILIPLORA Closs in Gay, Histonu de Chile (Bot) II pag 129. — Caule **erecto** glabro vel puberulo, petiohs subhorwontdlibus, folioli* 5—6-jugib **obtusis-** mis retuso - mucronatis, supra glabnusculis. subtas seuceo-pubenubus cihalıs. **curva** inrtdis, stipulis pams subflabellilonnibus. irregulautei nssociliatis, valde **maequib-**

bus, flonbus axillanbu* sessilibus (oaeiulcis), calyce longe tubulato stnato quinque-
fldo, lacmus Janceolato- amldlis, lcgumine linean, folio duplo longion, valde com-
planaio rufo, semimbus decem rotundato -complanatis badiis. — Habitat in Chile

6582 LATHIRUS *Linn.*

(DC Piodi I 369 — Wlpis Ropert I 718 II 886. Annal I 244)

- 1 L PYREVAICUS Jord fat du jird de Dijon 1848 p*ig 27. — Pedunculis 2—4-flons,
foliH saepo longionbus rnljci* dentibus tubo brcMonbus ex ovata basi lineanbus
acuminate, supcnofthbu* duobus bioibus apice tounivoiibus \c\illo subrcniformi-
emorgmato alis obo\atis ^t\lo lincnri piano liguinnibus linean oblongis compres-
SJ* stmiubus rugulosis hilo m ultia tertiam ciicuitus paiiem semen cingente, folns
umjugi>. peliolis brevibus alaii*. folioli* lade Mremibus oblongis trinerviis, apice ob-
tusis nuuionaiis caulihu* alis ipsorum diametium aequaiitibus instructis ramosis chf-
fufis >el bcundcnlibus caudice pcrenm cra&so breMtei ramoso. — In s\l\aticjs Pyre-
naporum contralium
- ^ L STLNOLOBUS Bois*. Diagn plant, oueiit nov IX p 121 -J— Annuus glabrescens
vel pili> spai-sissimis ad>rcs^i> b>ub lcnle obsiuis caulibus procurabentibus, in feme ra-
mosis petiolu* aplnllis flhfoimibus in curum simplicera abounlibus, stipulis flifor-
mibu> stiiciib lancLolato-sagitiiai^ acutis>, aunculis basilanbus vix divergentibus tnan-
gulan - lancpolatih bre\ibus acutis, peduntulis axillanbus fliformibus rectis slipulas
mulio supeiantibus caljcis glabu obcoruci denlibus lanceolaUs acutis sublnneiviis
tubo aiqulongis corolla lutea caçce subtuplo longion, vonlli oblongi paite supeuon
rollexa, infLiioii aequilonga, alis vezillo brevioibus cannae subaequilongis, cauna
bie\i subtus ingulo recto subrotundato incuiva, apite in mucronem brevcin incurvura
attcnuni i shlo in angulum oblubiim infracto, opice longe dilatato, latero supenou bar-
liato, leⁿumine angusto et longe linean recto compresso glnbemmo laevi 5—6-sper-
mo s(niiiiilius oldongis compiessib, hilo oblongo — CroscU in s>l\vatitis montis Cas-
sn Sjriac boi calii
- J L >LUROI OBLS Boiss kllcldr 1 c 125 £ — Biennis \el peiennis glaber viudis la-
dice fibiosa taudiculos Ddilormes nudos bit\ts iamosos cidenti taulibus plunhus pro-
cumbentibus tonuissimis* piano - bialatis angusie lincanbu^, alas slenlibus abbreviatis,
nlms (Ionfens, omnibus simplici&simis (ali> ex petiole* decuireuli onundi^, ad fohorura
iikscitionem sensim angustatis, folus unijugis, peliolo brevissimo piano tnncivi, folio-
lum mfeiorum in austam bicvibsimam, supeiioium in curum siinplicrm capillaiein
Ionium abeunii, foliohs subsessihbub, folio rum inferorum ovaiis oblongibxe atulis vel
obtusiusculib mucronulatis, supcnoum anguste linean - lanceolalu acutis, omnibus
quinqnervnsj btipulis ujumis minunis obtngulanbus, cuspidibus subaequilongis
ilivaiKatis, supcnouibus tnplo majonbus lanceolalo-semisagiitatis, cusjude infeuoi
brevissima pedunculis 1- ranus 2-lions, slipula ^xillari brevionbus., peditello cahci
^ubaequilongo, ilonbus horizontalibus purpureo-uolaccis, caljcis basi oblique truncati
denibus tnngulanbus iecti:> lubo paulo brevionbys, inferiori alus paulo longion,
torolla abbcviata valde cunata calyce sulnuplo longiou, vexilli ovati valde reflex,
ladna rectusa btuala ungue sublongion alas poulo supeianti, alis sursum curvatis can-
nau paulo supeiantibus cauna subtus angulo recto curvata. apice iruncata valde ab-
bivittit sljlo angulo lere acuto infiaclo. apico \alde dilatato, latere intenon hntulo,
kguminibus rectis. angusie lineabus, in feme angustatis, apice rostio subincurvo
^"CM insiuclib 8>ubcompressis 6—9-spermis, valvis nervw 5—6 longuudmalibu* &ub-
Puallelit, elevens peicursis. semi ml) us laeubu* mimiQis globois vindibu^ violaceo-
maculatu>, hilo sextam partem penplidiae semmis ambienti — Crescit ad inulos sca-
lirigms et in pratis paludosis cat-tanetorum loco Enneaohona dicto Epaichiac Kissa-
mos Citlae altid 1000 — 1500 ped
- 4« L STENOPLYLLUS Boiss aileldr 1. c 126. + — Annuus glabeinmus, bas| multicaus
ramosissimus caulibus tlhformibus angulotis prooumbentibus, folus unijugis, foliolis
P<ryis anguste hnennbus aiutis cuspidaus, sub lente margine serrulate• scabns. folio-

iuin supenoium linean-sctaceis elongate, petiolo piano bievis&imo, folioium inferiorum in mucronem linearem bicvem, supcrionim in cmum simplicem \cl ramosum abeunti, stipulis semisagiitatis, lacinia supcnon lanceolata \cl linenii, pctiolum nequanti vel superanti, inferiori multo mmou, utiaque dculis<ima pedunculis umflons folio longionbus, supeme aiticualis fere cbracteolatis, pedicello caħcem subaequanti. caħns glabn basi neivosi lacinns lanceolaiis acutis, lubo paulo longioubus, \exillo violaceo taiyce sublnplo longion o\ do cannam alasque pallidioies superanti canna subtus angulo rtelo curvata apice oblusa ak> paulo breuon, legumine (junion) glabro 3—4-speimo oblongo-lineai i, basi apiceque in io>truni icctum longiusculo aiteniato, margine utioque convexo, supeuou biangulato semimbus laevibfis — fiesut in herbuli> Pamphjliae ad promonionum Ala} a

- 3 L. BLEPHARICARPOS Boiss. I c 126 f - Animus, basi lamosissimus • caulibus tenuibus procumbentibus patule lintHlis angulissimo alato- uigularis, folus unijugis, foliolis inflmorimi o\ito - ellipticis oblns>f*, supmoium longe lanceolalo - hneaibus acutis, omnibus sub-5—9-nervns, suptine glabemmis, subtus ad neivos et margines ciliaiis, petiolo Inrtello angul no iolioli* bieviou, loliorum mfeiiorum in mucronem linearem bie\cm, supiemorum in ciriuni simplicem abeunti stipule lurtellis semisagillatis, lacuna supenon majon luueolata cuivala acula pedunculis unifluns hiitis floiifens, slipula duplo longioubus uhatis, roiolla puipmea caljce duplo longion, vexillo stnato o\ato retuso, alls paulo longion, alis margmc supenon rettis, mleuon rotundalo-cunatis, canna albida alis paulo brevion. margmc j>upenon recta hnlula. infcnou loiundato-curvata, leguminibus oblongis, margine utioque cjliatis, supenon curvato foliareo-bialnlis, intenon anguslo, cacterum glabns reticulato-venosis com* piessis subtrispormis in iniicioncm bievein ncurvum apice abiuptc altenuatis. seminibus subangulais fuscis lacMbus, bilo bievi oblongo. — Cresnt circa Hierosoljma in herbidiis rupeslnbus
- 6 L. HIEROSOLYMITAMJS Uoiss 1 c 127 f — Annuus glaber, basi lamosus caulibus ascendentibus brevibus, anguste bialatis, folns unijugis, folioJis lanceolato-lincanbus acutis 5—7-ner\ns, petiolo anguste bialato, foliorum infenoium in aristam brevissimam, supcrionim m cirruin simplicem abeunti, stipulis semisagiltalis, lacinns lineari-setaceis acuminatis, inferiori 2—4-plo brevion, pedunculis 2—3-, ranus umflons. folio axillau brevionbus, pedicellis basi minute bracteolaiis, calyci subaequilongis. caljcis lacinns tnangulan - lancoolatis cuspidatis, tubo aequilongis, floubus roseis, vexillo breviter ovalo ictuso slnato, raljce plus duplo longion. alas j>upcranti, canna subtus valdc ct subungulalira incuna, apice tiuncala, alis paulo bieviou, legumine glabio linean-compresso subrciiculato-vcnoso recto, apice brevissime attenuato, margine supenon crassiusculo biangulato convexiusculo, inferiori lecio hexaspermo, senunibus tuberculato - scabris. — Ciescit circa Hierosohma
- 7 L CASSIUS Boiss 1 c 128 f — Annuus glaber caulibus cal>> scandentibus, angusie angulato-alatis, folns unijugis, foliolis elliptico lanceolatis acutis 7—9 nerviis. petiolo foliolis bieviou angulato, inferiorum in muctonem, siipcnorum in cirrum ramosum abeunti, stipulis minulissimis semisagittalis, lacinns setaccis, supenon longion, pedunculis 1—2-lions, lolio axillan 2—3-plo longionbus, pedicello caljci subaequilongo basi minuiissime biacteolato, caluis lacinns inangulan-tlongatis acu>t tubo basi 10-neni ncqiulongis coiolla ol\co subtnplo longion, vexillo laete roseo tetuso, alis cannaque pallidly multo longion, canna subtus angulo acuto rotundatO incuiva, apice obtusa, alls subaequilonga, legumine glabro obsolete reticulato-venoaO lmean mcurvo compresso 6—7-spermo, margine Mipenon concavo, inferiori convex©* apice in rostrum breve ascendens attenuato, seminibus cubicis \alde tuberculato-sea* bris — Crescit in dumosis jugi Cassii inter Cassab et Suadioh # w
- 8 L LYCIUS Boiss fit Heldr 1 c. 128 f — Annuus, lotus sub lentic pilis sparsis brevi<* sin>> patulis hirtellus caulibus angulato-subalatis elans scandentibus flexuosis, fol>is unyugis. foliolis amplis oblongis obtusis murrnulatis, basi subattenuatis. nervis late-, ralibus anastomosantibus reticulotis. petiolo crasso angulato. foliolis subaequilongo > cirrum lamosum abeunti, stipulis minimis semisagittans, lacinns lanceolatis, cUsp>'

- datis, inferior! brevion, pedunculis rigidis folio multoties longioribus 3—6-floribus, pedicellis calyce paulo longioribus, calycis breviter hirti lacinus triangulan-elongatis aculis tubo aequilongis, vexillo amoene rosco subrotundo, calyce subtriplo longioribus, alis violaceis cannam paulo superantibus, canna subtus angulo recto curvata, apice obtusa. legumine (jumou) compresso linean-subcurvato brevissime rostrato hexa-
*permo pilis brevibus tuberculatis denso puberulo, margine openori convexo, inferior!
Linn-vo — Crescit in fuliceis ad portum Tcluno\|a Lyciae
- 9 L DCBILIS Closs in Gav, Histona de Chile (Cot) II p. 142 — Cnule tenuissimo debili subtereti subpiloso, folns unijugis, foliolis lineanbus semi —• umpollicanbus, acute Millosiusculo-ciliatis," cm is subbrevibus tnflidis parce MIOSIS, stipulis semisagittatis acutis petiolo paulo brevioribus, pedunculis internodio paulo brevioribus, erectis unilioribus, calyce glabro vndi, lacinus lanceolato-acutissimis, tubo sublongioribus, legumine lmean-longo piano fusto glabro, semibus 5 minimis ovoideo-phnis badus laevibus — Habitat in Chile
- 10 L DICIRRUS Clos^ in Gay 1 c p 143 — Totus villosiusculus caule tenui parce alato folns unijugis lineanbus pollicanbus villosio-ciliatis. cims> folio subaequilongia. simpliciter aut dichotome bifidis, stipulis seraisagittatis, petioli longitudine aut brevioribus, pedunculis multis, internodio aequilongis unflons, calyce vndi glabro quinquelfido, lacinus late lanceolatis acutis, tubo aequilongis, legumine lmean piano, lora longiludme coque vix laiore, rufo reticulato glabro, semibus 5 plants ovatorotundatis badus — Habitat in Chile
- 11 L. MULTICEPS Closs m Gay 1 cit pag 149 — Glaber caulo spithamaeo a basi in ramos erectos aequilongos diviso, folns unijugis, foliolis sublanceolato-lineanbus apiculatis, cirro raro simplici, scapissime ad setam brevem reducto, stipulis semisagittatis, anguste lanceolato-acutis inaequilatens, petiolo brevioribus, pedunculis longissimis creclis, apice pauciflons calycis glandbn lacinus subulatis, tubo aequilongis, fructu longo et oblongo compressiusculo badio ghbros semibus 5 — 6 piano-rotundatis mgns — Habit*) in Chile
- U L PILASTER Closs in Gav 1 c 148 f— Phnta undique glabra' caulis erectus subsimplex subangulatus, folia unijuga subsessilia longe cirrosa, cinis ramosissimis, foliola se^silia ovata nbrupc subdentata mucronulda piallele nervosa, subtus glaucopulverulenta, stipulac foliosae ovalo-semisagittatae, magnac, medietatem (') foliolorum legentes pedunculis folio duplo tnplore longioribus racemosis multilioribus, flores amplius ev sicco flavi. — *Lathyrus* . folia, Mcomne di Tonno XXXVII ' — Habitat in Chile
- 13 L MICROPIIYLLUS Schcele, Linnaea XXI 575 f — Radix horizontalis annua Caules procumbentes a basi ramosi sulcati pubescentes folio si Slipulae semihastatae basi inciso-dentatae Folia abrupte pinnata 2—3-juga, petioli canaliculati pubescentes in instam brevem desinentes, foliola parva alterna brevissime petiolulata penninervia integemma mucronata plana, subtus margioeque pubescentia, supra glabruscula, foliorum inferiorum abbreviata obovato-cuneata, apice late emarginata ideoque propter mucronem 3-dentata, superiorum elongata, anguste lmeana, apice obtusa Flores axillares solitarii pedunculati cernui Pedunculi flore longiores medio articulati. Calycis glandbn denies uninerves triangulares, margine anguste membranacei tubo breviores Coiolla glabra purpurea calyce duplo longior, vexillum alas aequans Stamina diadelphea, filamenta subulata Stylus piano-compressus, apicem versus dilatatus sinistrum torlus, latere interiori pubescens Legumina nutantia oblonga inflata glabra nvena 4—6-sperma Scmuna rubrolunda corapressa glabra laevia atrofusca, umbilicus linearis — Crescit in insula Lessina Dalmatian.

t loon addenda.

L OCHROLEUCUS Hook - (Wlprs Rept. I 721 no 25) - Torr. Flor New York I. 157 tab. 22

Tribus IV. *HEDYSAREAE* DCSubtribus I. *CORONILLEAE* DC.6585. *CORO[^]ILJiA* Linn.

(DC Prodr II 309 — Wlprs Repeit I 724. 11 887 V 519 j)

- I C [*LucotomUa*] *LIBANOTICA* Boiss Dngnos plant, onenl. nov IX p 104 j — *Pcrenrus glabnuscua ihizomate crassiu>culo ligu>»o caudiculis mtutatis, tins in «*ur-* (Ulos parce foliosos alii* in ciules anghio-sinatos Ocxuosos abeunubus folns sub-5 ПУ>> foliolis sessilibus minute ovnto-obroidatis slipuli* minuti&simis scanosis o\,iio - tuang-ulaillms libens ptdunuilis ilniicati* fol o axilhn multolies longioubus uiihit 11rs 5—10 - lloias frcnlibus podmlis cihcp VIX longionbife caljcis albidu sea- biidsriili bievi^simi denlihus minuii^simis, coiolla carnea \e\illo alls oblongo - spv lliul itis vit lorigion canna alas ^ubsupciantu \alde incuiva allenuita acuta, apice atio- puipuica loguminc longit>simo mtei atticulos elorig-itos angulalos angustato — Ciescit in Lib mo cuca Lden.

6586/[^] *A]¥TOPETITIA* A Rich

(Endl Gen pi Suppl II p 96 — Wlprs Report I 724 V 519)

- 1 A *ADVSSIMCA* A Rich Tent fl. Alns I 209 t 39 — Wlpris II cr. — An- nua caulo crecto a basi nmoso, taniis 6—8 unci is longis reciis pubentibus folns impanpinnili> folioln* saepius 7—9 altcinis aut suboppositis, lanceolato-lineanbus cui/s, pubnti-senceis, glandule 2 sessilibus ad baiin pctioh stipularum loco, pe- dunculo axilhn, folis* longion, pubnti, apice 1—3-floro, flonbus parvulis pedicel- latit> umbellulatis calyce obconico stnalo piloso 5-fldo, corollam fere aequante. fiurtus ailinihs* 2—4 globosis mlidis crustaceis glabris — *Ornth&pus tonandnnus Hochst* 8c Sleud — Crescit in Abyssinia,

6586/₂ *HELMITHOCARP11I* A. Rich \)

(A Rich Tenl flor Abyss I 200 t 36)

- 1 II *VHVSSIMCLM* A. Rich I c. — Cinereo-pubens caule a basi ramoso rainis gra- cilibus assuigentibus spnh imaeu. folns impanpinnatis, foliolis saepius 6alternis ovali' hnceolatis acuiis praesertim subtus gn^co-hirti-. pedunculo axillan, folia aequanW 3—6-floro, infra flores articulato parte supenoro decidua infenore persustejntc legu- minibus brevibus arcuatis aut cochleatim cornolutis glabns, lineis tians\ersis ramo^9 mnequalibus notatis, 2-spermis, mdehiscentibus — *AnlopcMia cante lata* Hochst mss — Habitat in Abjssinia provincia Quodgerate.

6588. *HIPPOCRKP18* Linn

(DC. Prodi IJ 312 — Wlpris Report J 724 II 888 V 549, Annal I 245)

- 1 U *ARENARIA* Scheole, Lmnaca X\I 57J f— Radix annua simplex fusiformis Cadl<# simplices prostrati glabn flexuosi Stipulae ovatae barbae Folia alterna impa^{rh} pinnata 2—3-juga, petiolo longiora, foliola breviasime petiohilnla oblongo-cune^{ta} integernma cmargmata, supra glabra, suljtus pubescentia, maigine subciliata PedilU' <uli aillares folio longiores, a)lice umbellifcn 3—4-flon spai&c puberuli pedicel^l cahce breviores appresse hirtelli Cahcis denies inaequales ovato-lanceolati pub<# icntes, tubum glabrura aequantes Corolla flava calyce duplo longroi Legumina **' ticalai-x subarcuata, profunde sinuato - exej^a ad semma muncato-aspera, caetf^{lii}

*) Genus adhuc indscriptum'

glabra arcuato-rugosa, articuli 3 — 5 monospermi, in ferri equini formam curvati, lobi semina dislingentia subquadrata, apice cordato-emarginata, sinus obovati basi angustiores. Semina glaberrima in formam ferri equini curvata. — *Hippocrepis* an *biflora* Jacq. 7 — crescit in arenosis ad mare prope Djeddam in Arabia.

2. H. WILLKOMMIANA Scheele 1. c. 547. f — Radix perennis lignosa. Caules suffruticosi procumbentes angulati. Stipulae membranaceae ovatae acuminatae. Folia opposita imparipinnata 4 — 6-juga, foliola parva obovata complicata breviter petiolulata submucronata; supra glabrescens, subtus scabra, infima a caule renata. Pedunculi folio longiores, apice umbelliferi 4 — 6-flori; pedicelli puberuli saepe breviores. Calycis pubescentis dentes ovato-lanceolati tubo breviores. Vexillum rotundum multistriatum glabrum mucronulatum longe unguiculatum carinam alasque superans; carina rosstrata alas obovato-oblongas aequans. Legumina articulata exciso-sinuata, ad semina muricata-aspera, articuli 5 — 6 monospermi in ferri equini formam curvati, lobi semina dislingentia subquadrata. Semina oblonga compressa glabra, medio curvata, umbilicus in media curvatura. — *H. comosa* Willkomm, non L. — Crescit prope Granadam.

Subtribus II. EUHEDYSATEAE DC.

6591. PICTETIA DC.

(DC. Prodr. II. 314. — Wlprs. Annal. I. 245.)

1. ¹P. PUBESCENS Hochst. — Wlprs. Annal. bot. syst. I. 245. no. 1. — *Acrotaphos hibracteata* Steudl. mss. — A. Rich. Tent. n. Abyssin. I. 207. tab. 38.

6593. ORMOCARPIDI Palis.

(DC. Prodr. II. 315. — Wlprs. Repert. I. 725. II. 888, Annal. I. 246.)

1. ^{*}O. CORONILLOIDES G. Don. — Wlprs. Report. II. 888. no. 1. — Hook. fl. Niger Flora 302. f — *Rathkea glabra* Sebum. & Thonn. — Wlprs. Report. I. 732. tt V. 221. no. 1: — oi. petiolis pedicellisque glanduloso-puberulis. — ?. petiolis pedicellisque glabrescentibus.

6597. GEISSASPIS Wght. y Am.

(Wlprs. Repert. I. 726.)

1. G. TENELLA Dnth. Flora (B. Z.) XXXII. 559. adnot. — Foliis subjugis; stipulis ovatis, postice breviter auriculatis; spicis laxis basi interruptis; bracteis breviter mucronatodentatis, corolla subbrevioribus. — A *G. cristata* differt prima facie omnibus partibus multo minoribus et gracilioribus. Glaberrima est, caulis basi perennis, ramis ramissimis decumbentibus tenuibus. Folia *G. cristatae*, sed duplo minora; stipulae inferiores deciduae. Spicae graciles, longiores quam lalac, pauciflorae. Bractea ut in *G. cristata* oblique cordato-orbiculatae, sed vix 2—2½" latae multo minus imbricatae, (dentibus vix in ciliis abeunlibus. Corollae bractea aequant vel interdum superant, caecum flores omnino *G. cristatae*. Legumina saepissime biarticulata, dum in *G. cristata* fere semper ad articulum unum reducta. — Crescit in India orientali prope ~~fiP mal~~ vias.

6600. STYIOSAITHEBS Linn.

(DC. Prodr. I. 317. — Wlprs. Repert. I. 727. II. 829. V. 521.)

1. ^{*}ST. ELATIOR Sw. — DC. 1. c. 318. no. 7. — Torr. Flor. New York I. 174. tab. 27.

6603. ALESUIA DC.

(DC. Prodr. II. 318. — Wlprs. Repert. I. 728. II. 889. Annal. I. 246.)

1. A. ARACHNIPES Closs in Gay. Historia de Chile (Bot). II. pag. 153. + — Caulibus e radice ~~millis~~, basi suffruticosis, diffuse palulis aut subcaespitosis brevibus sublaevigatis gla-

- l>ns, petiohs ultra medium nudis, apice mucronatis. foliolis G-jugis oblongo-subh-
neiribus, paicissimc cuneatis apiculatis Mridi-punctatis, j>btus pilosis, stipulis lan-
ceolato - aculis racemis lermindahbus laxis pauciflons, pedicelli* caljcc duplo longio-
ribus cahce campanulato pilosiusculo, lacinus lineanbus lubo brevjpnbus, legu-
nune brevi mono—dispermo longe mucronato, pihs ngidis lanaus longis obduclo —
Habitat in Chile
- 2 A FILIFOLIA Closs in Gay 1 c 157 f — Mulucaulis cauhs erecto-patalis diffuse
ramosis graciljbus glanduloso-punctali* scabnusculis foliis tnjugis cum impaii, fo-
liolis per pana valdi* remotis, anguslissime lineanbus obtusis pilosiuscuhs ilonhus m-
feme axillaubus, racemis elongatis latissimis bracieis minimis pedicclhs longis pa-
tuli9, calyce campanulato - tubuloso glanduloso-piloso 6-dentato legumme 3—7-arli-
culaio erecio subfalcato angustissimo, pihs ansulato-plumosis griseo -violaceis obsito
— Habitil in Chile
3. A PARVIFLORA Closs in Gay 1 cit png 158 f — Herbacca multicaulis hirta ramis
palulo-erectis, striclis seu diffusis subdebilibus (istulosis compressia, pctiolis tenuibus,
infernc nudis, foliolis 7—8-jugis linean-oblongis subcunpaiis, apice rotundatis integns,
) acinus terinialibu? longis, inlcrdum ramosis, valde d flusis subintncatis, bracteis fi-
ncinbus pedicellis longis subcapillaccis uniflons flonbus parvis horizontalibus, ca-
l>ce 5-dentato, coiolla valde retioflexa, legumims arlicuhs 4 —5 lenticuldiibus, mar-
gine ansulis pilosis plumosisque contextis
a *incano-hirsuta* ramis crassionbus non difflusis, corolla paulo majori — Habitat
in Chile
- 4 A LXILIS Closs in Gay I cit pag 150 f— Herbacea multicaulis subhirto-cineiea ra-
in ib erecto - palulis subflexuosis gracilibus subfilifoi mibus rigidiusculis peliolis erectis
tenuibub , a medio foliifens, foliolis 6-jugis lineanbus integns racemis termmalibus
muliis longis Jaxis mgro-punctatis, calyce campanulato, lacinus lineanbus tubo lon-
gionbus. corolla non duplo longion legumine incurvo lanuginoso, articulis 3—4, pihs
plumoso-lanigcis albo-llavicanjbus obduclis — Habitat in Chile
- 5 A ELATA Closs in Gay 1 cit pag 160 i— Herbacea multicauhs cauhs elato-erectis
stnctis flstuloso-complanatis, infra medium et folus hnsuto-albicantibus tectis, hinc pi-
loso-glanduloso scabris. folus 8—9-jugis, petiohs longis, infia nudis, foliolis linea-
nbus mucronatis, racomis termmalibus, paite rami folnfera longionbus, bractea an-
guste linear!, podicelhs gracillimis elongatis patulis subarcuatis calyce pedicello in-
flexo, fubo brevi hispido, dentibus lubo bievionbus, breviter subulatis, venilo retro-
flexo auiantiacio striato, macula atra dorso infra apicra notato, legumims articulis
2—6, vix inter se connexis, regulantci oibiculanbus, pihs brevissimis ianssime sub-
plumosis, a medio ad margiñcs radiantibus slnaiis — Habitat in Chile
- 6 A LAXA Closs in Gay I cit pag 162 t — Multicaulis caulibus elongatis ascenden-
tibus flstulosis lacMgalis subglabris, simpheibus seu parcissime diffuso - ramosis, ramis
remoiis patulis, folus paucis Inspidis, folus 4—8-jugis lineanbus acutis integns, flo-
nbus 6—12 in racemum termmalem laxissime dispositis pedicellis longis gracillimis,
basi bracteatis uniflons, lacinus caljcinis lincan-lanceolatis, legumimbus 2 — b-arli-
culatis subglabiis mgro-punctalis seu demum muncatis — Habitat in Chile
7. A. STIPULACEA Closs in Gaj 1 cit pag 164 f— Herbacea pilosiuscula mullicaulis •
ramis creclis longis glanduloso-scabris teretibus, slipulis imbricatis scanosis basi
obtectis peliolis ultra medium nudis, foliolis 7—8-jugtb, angusle obovato - cuneatis i
integns racemis leimmalibus plunmis, ramis subicquilongis laxibsimis punctalo - ni''
gris, pedicellis erectis remotis, cal ce 5-fldo duplo tnplo\o longionbus, corolla caly*
cem vix excedentc. legumims articulis 1—3 Lomplanato-mamillaubus, transverse reti*
culosis muncatis subtomentosis subi ubenlihus — Habitat in Chile
- 8 A CORYMDOSA Closs in Gay 1 cit p 165 f — Hcibacea, tola visudo - glandulosO-
pubescens ramis a basi cauli* enatis subeieclis, patule conmboseque radiantibus§
omnibus longitudme aequalibus, folus basi multis subsparis 6—8-jugis, saepe ^{cU^}
impan, erectis, pctiolis ultra medium nudis, foliolis panis obovatis seu subovatiAj
supra pubescentibus, subtus villoso - cams, slipulis ultra medium inter se el cum P♦♦

uolo connexis; floribus ad summos ramos breviter racemoso-corymbosis; ptdicellis inferioribus; calyce 5-partito glanduloso-pubente, laciniis linearibus; corolla calyce duplo longiore; legumine....? — Habitat in Chile.

- U. A. PROSTRATA Closs in Gay 1. c. 169. f — Herbacea procumbens ramosa: ramis subconferlis subbrevibus glanduloso-pubentibus viscosis; foliis 5—7-jugis subbrevibus, fere a basi foliolifens, foliolis ellipticis am obovato-ellipticis subapiculatis integris puberulis; racemis terminulibus abbreviatis, interdum subramosis multioris; floribus dense congestis breviter pedicel latis; bracteis subimbricatis; calyce subglabro viridi profunde 5-partito, laciniis lanceolatis, tubo duplo longioribus subaequalibus; leguminibus 3—4-articulatis, calyce subduplo longioribus, pilis plumosis longiusculis albicanlibus, compressis. — Habitat in Chile.
10. A. RADICIFOLIA Closs in Gay 1. cit. pag. 170. f — Herbacea: caulibus 1—3, elato-erectis strictis simplicissimis nudis nigro-glanduloso-scabris, basi subtomentoso-villosiusculis; stipulis basilaribus multis subvaginantibus, ad medium coalitis, inde lanceolato-sulcatis; foliis fere omnibus subradicalibus, petiolis longis, basi nudis, apice brevissime setiferis, foliolis 9—10-jugis ovatis obovato-rotundatis seu suboblongo-ellipticis, brevissime cuspidatis integris, subtus parcissime subvillosiusculis; racemis terminalibus longis nudis laxis, cum pedicellis et calyce nigro-glandulosis; bractea lanceolata; pedicello longiusculo erecto; calyce campanulato pubescente, dentibus ovato-lanceolatis. tubo aequilongis; corolla flammea; legumine 1—3-articulato, calycem duplo—triplo superante setoso-plumose
var. a. *Villoaiuscula*: folio lid longioribus oblongis. — Habitat in Chile.
11. A. RADICANS Closs in Gay 1. cit. pag. 178. f — Subglabra* caule deumbente elongato-subradicali gracili sublaevigato; petiolis longis, apice setiferis, foliolis 6—8-jugis remotis oblongis seu oblongo-ellipticis subretusis, brevissime apiculatis: stipulis ovalis; racerno terminali laevissimo elongato sub-12-floro; pedicellis longis erectis, basi bracteatis unioris; calycis longe campanulati puberuli laciniis lanceolato-actis, tubo vix brevioribus; legumine oblongo rufo-hispidulo continue marginibus vix sinuso 6—7-spermo. — Habitat in Chile.
12. A. VALDESIA Closs In Gay 1. cit. p. 174. f — Herbacea subobscura glanduloso-hirsuta viscida; ramis basi mullipartitis, dichotome divisis patulo-erectis confertis, densissime glanduloso-scabris, fragilibus; foliolis 6—7-jugis, apicem versus petioli congestis ovalis seu ovato-cuneatis, subdenticulatis parce tomentosis; stipulis lanceolato-acutis; racemis terminalibus laxis nigro-glandulosis; bractea ovata majuscula; calyce campanulato nigro-punctato 5-dentato, laciniis erectis latis oblongis, apice non angustato obiusissimis, tubo longioribus; legumine calycem duplo superante, 3—4-articulato puberulo. — Habitat in Chile.
- ¹³ A. APHYLLA Closs in Gay 1. cit. p. 177. f — Fruticosa glutinosa Inermis: caulibus elongatis ramosissimis; ramis erectis seu et saepius divaricato-contortis nudis; foliis rarissimis 2—3-jugis cum impari, petiolo breviugulo crasso, foliolis minutis oblongis crassa rugulosis, supra in medio canaliculatis; racemis longis, totos extremos ramos occupantibus, scabro-glandulosis; bracteis latis reniformi-amplexicaulibus crenulatis; floribus breviter pedicellatis; calyce brevi obliquo 5-dentato; corolla triplo longiore; legumine lanato 3—5-articulato. — Habitat in Chile.
- ¹⁴ A. CINEREA Closs in Gay 1. cit. pag. f — Fruticosa totaque cinereo-tomentosa: ramis fasciatis ramosis adpressis: foliis ultra medium nudis depauperatis. foliolis 4-jugis parvis, nungule cuneatis articulatis caducisque: racemis terminalibus longis laxis multifloris; pedicellis breviusculis; calyce brevi valde obliquo 5-dentato pubescente; leguminibus tomentoso-lanuginosis pilisque nigris tenuissimis plumoso-lanatis obtectis, articulis 2—5 lenticularibus. dorso affixis. — Habitat in Chile.
- ¹⁵ A. VICIOTOMA Closs in Gay 1. cit. pag. 180. f — Fruticosa inermis tota cinereo-tomentosa: ramis brevibus rigidiusculis miricato-patulis, basi apiceque nudis, flexuosis et junctioibus dichotome divisis; foliolis parvis 4—5-jugis obovato-cuneatis retusis sessilibus; floribus racemosis brevissime pedicellatis; calyce 5-dentato, dentibus tubo duplo II.

- brevioribus linearibus; corolla puberulo-grisea; legumino lauginoso-piloso, articulis 2—3. — Habitat in Chile.
16. A. OBSCURA Closs in Gay 1. c. 18a. f — Frutex obscurus inermis. totus viscido-tomentosus subterrosus: ramis brevibus in decor* hincjllinc conlortis, intordum, fysiformibus, subiuberosis; foliis parvis 11—12-jugis valde approxiraatis, obovato-cuneaiis integris; pedunculis axillaribus, foliolo duplo Jongioribus; calyce 5-fWo, laciniis latis obtusis; legumine decumbent* lanato, 1—3-articulato, capitulis aUcantiLius longis dense adpressis obducto. — Habitat in Chile.
17. A. MONOSPERMA Closs in Gay I. cit. p. 184. t — Frulei o^cure virescens, totus subvisciUo-tomenios, us; ramis brevibus incurvo-patulis subterrosis; foliis brevibus, basi nudis, foliolis lminimis 5—6-jugis ovatis., secunduna longitudinem pUcails integris; pedunculis ad aummos ramos axillaribus paucis. brevibus; calyce longe campanulas 5-parlito, segmentis longis lanceolalis/, legumine monospermo lenticular!-globoso nudo fusco. — Habitat in Chite.
18. A. GLOMERULA Closs in Cay 1. cit. p. 184 + — Ramis patulo-humifusis radiatmtibus sinuoso-contortis fuscis, apicem versus nulli-divisis, ramulis nudis capitulo denso. foliorum florumque terminal!*; foliis quadrijugis cum impari pubescenti-villosis, foliolis petiolum brevem terminantibus obovato-cunealis, apice roiundatis; floribus sparsis, tubo subaequilongis; legumine uniarliculato, calycem superante, plano-ovoideQ puberulo. — Habitat in Chile.
19. A. PHYLLOIDEA Closs in Gay 1. cit. p. 186. tab. 18. † — Fruticosa inermis: ramis, virgatis nigrican^ibus, transverse rimqsis subpuberulis, ramulis erecto - paiulis rigidiusculis brevibus, basi tuberculosis, pubentibus; petiolis complanato-linearibus longitrorsum striatis viridibus, vix supra, subtus multo magi* pubescentibus, foliis omnino nullis seu irregulariter 1—3-jugis minutissimis ovato - roiundatis petiolulatis; racemis terminalibus longis laxissimis; pedicellis longis rigidiusculis horizotitalibus; calyce brevi valde obliquo subtruncato 5-dentato, dentibus linearibus; corolla muKo longiori laete aurea; legumine 5 — & articulato subrecto flavicante punctato-glanduloso, articulis inflmis nudis. aliis pilis vix plumosia rectis longis veslute orinitis. — Habitat in Chile.
20. A. EMARGINATA Closs in Gay 1. cit. pag. 187, i — Fruticosa: ramis terctftus rimpulis, basi glabris, apice pubescenti convoluto-pircipoatis; foliolis parvis 9 — 11-jugis cuneatis, apice (otp emarginatis, 2—3-i-cuspidqtig, ulinqq glabris, wtegris; racemis terminalihqs longis; pedipellis unbiracteatis puberulis MniorLs; legumine 2—3-articulato parce incujcyp, articulis magnis complaaato-orbicularibus mem))ra, naceo - scariois flavicantibus nigro - punctatis vix puberulis, sinibus >rojTundis angustissimis discretis; somine ariiculo uiuJto minors. — Habitat in Chile.
21. A. ELEGANS Closs in Gay 1. cit. pag. 188. f — Fruticosa, ineimia. valde ramofl Q^ bescentii-villosiuscula: ramis elongato-virgatis apice tomentoso-villosis; petiolis basi foliiferis, foliolis 5—8-jugis sine impari, anguste oblongo • acutis seu oblongo-ellipticis obtusis mucronaiis; pedunculis axillaribus erectis unifloris grapijibps, foliis longioribus; calyce subquinquepartito, laciniis ljncqri - lanceolatis loQgissimis, recurvis; corolla iriplo longiore, amplissima, vexillo apice lato rotuodato recto basi reilexo; leguminis articulis 2—3 glanduloso-pubeqtibus oblique mamiUatis, -TT Habitat in Chile.
22. A. PROPLNQUA Closs in Gay 1. cit. p. 168, f — Frutex glaber aut subglaber vix ramosus inermis: ramis erecto-paiulis longis gracibus; foliis fasciculatiU. foliolis vis 5—8-jugis sine impari, oblongo-cuneatis brevissime mucronaiis integris; terminalibus brevibus 4—15-flons; pedicellis subbrevibus; calyce quinque04? < ciniis Hnari-lanceolatis; corolla triplo longiori ampla; legumine nudo reci^rvj? articulos sihuoso. articulis 4—6 glaberrimis, medio convexo, utrinque muricatis diis. — Habitat in Chile.
23. A. CDRVIFOLIA Closs in Gay I, c. 189. f — Fruticosa puherulo-tomentosa: Yirgato-rigidiusculis suhllexuosis; pedicellis recurvis a hasi tQholipqfa, foliolis sub obovalibus integris pubeoibuj?, junioribus eObica^tibus sericeo-tomentosis;

- lanceolata: ramulis axillaribus abbreviatis; racemo terminali breviter; pedicellis subbre-
vibus: calycis campanulati laciniis obtusissimis, tubo aequilongis; cotyleda ampla calyce
triplo longiori luco-rubra; legumine ignoto. — Habitat in Chile.
24. A. MULTICUSPIS Closs in Gay 1. cit. p. 190. f — Suffruticosa subincrassata pilosa Tel
hispidula ramosa subdepauperata: ramis brevibus erectis, saepe comptahatis: foliis
raris: petiolis longis crassis, foliolis terminalibus !} — 4-jugis obovalibus, apice spinu-
loso-dentatis; racemis longis axillaribus et terminalibus, interdum subpaniculatis; ca-
lycis tubo brevissimo campanulato hirto, laciniis tubo aequilongis linearibus erectis;
corolla triplo longiore, vexillo seriali puberulo; legumine 1—3-articulato, articulis
orbiculatis vix inter se connatis, valde rugosis bado-nigris. — Chile.
25. A. UENTICULATA Closs in Gay 1. cit. pag. 191. f — Suffruticosa glabra eglandulosa:
ramis elongato-diffusis gracilibus incurvis; foliis 3—4-jugis, apice brevissime setiferis,
foliolis oppositis obovatis denticulatis vix mucronatis, sessilibus; stipulis 2 minimis
ovatis, interdum connatis; pedunculis sparsis axillaribus, folio saepe longioribus uni-
floris; calyce campanulato 5-dentato puberulo, tubo brevi, denibus oblongo-sublan-
ceolato, tubo longioribus; corolla calycem triplo superante; fructu 1—2-spermo. erli-
culis lenticularibus glaberrimis. — Habitat in Chile.
26. A. SUDTERRANEA Closs in Gay 1. cit. pag. 192. f — Fruticosa armata: caulibus sub-
terra neis nanis incrassato-tuberculosis fusco-nigris; ramis hypogaeis subcorymbosis;
foliis e terra vix emersis, caespitoso-congestis, appresse incano pubescemibus, 2—3-
jugis cum impari, foliolis parvis obovalo-oblongis mucronatis; floribus sparsis brevis-
sertis pedunculatis, in foliis immersis; calyce campanulato-lubuloso puberulo trifido,
laciniis duabus lateralibus latis, apice bidentatis; corolla calyce duplo longiore; legu-
mine paulum calycem longiore 4-articulato, dense, iericeo-plumoso. — Habitat in Chile.
27. A. PUNGENS Closs in Gay 1. cit. pag. 197. f — Frutex incanus. spinis borridis: ramis
indecore distortis, ramulis abbreviatis confertissimis: spinis subulatis petiolis in apicem
productis; foliolis 5-7-jugis ovatis setis obtusis lanceolatis ovatis, partis Integris
dens cano-lomniosis; floribus ad setas breviter tuberosis (incoloribus);
pedicellis brevibus; calyce campanulato 5-fido laciniis lanceolato-lanceolatis; corolla
duplo-longiori; legumine ignoto.
var. a. ramis parcissime foliosis patulis, petiolis brevibus laciniis lanceolatis,
corolla rubro-nigricante; legumine 1—3-articulato lano. — Habitat
in Chile.
28. A. OBCORDATA Closs in Gay 1. Cit. p. 110. f — Fruticosa glabra vix brevissime pilo-
sissima: ramis albicantibus, apice simplici-ramosis; petiolis ter-
tibus brevibus, infra nudis; foliolis trifidis obcordatis subretusis integris, glance virenti-
bus nitidulis; floribus 3—4 in spinis racemose axillis; calyce pedicellis tubo brevioribus
campanulato supra subgibbo 5-fido; corolla subduplo longiori (aurea); legumine pl-
loso-plumoso. — Habitat in Chile.
29. A. OBOVATA Closs in Gay 1. cit. p. 199. + — Fruticosa subglabra: ramis albicantibus;
apice multispinosis; petiolis complanatis brevibus, infra nudis, foliolis 3-jugis paxvin
obovatis integris brevissime puberulis; floribus paucis in spioulis inseratis et pedi-
cellis aequilongis; calyce campanulato, valde obliquo, vix quinquentato: corolla ca-
lyce duplo longiore aurea; legumine ignoto. — Habitat in Chile.

6604. *Aeschynomene* A. Rich. *)

(A. Rich. Tent fl. kViti. I. 909. t. 37.)

**Ab *Aeschynomene* differt textillo loage uttguicfilato' recto elongato, alis
vexillum aequantibus, carina duplo breviori, ovario longe pedicellato**

***) RATHKEA Schum. & ThonD. olira hoc locoenumerata omnino deletur, nam RATH-
KEA GLABRA Muft. * Thom. = CRMOCAWUM CORONILLOIBESTI) (TMffii
p. 407.)**

1—2-femulato, leguminis articulis 1—2 planis orbicularibus. a *Smithia* recedit legumine calycem excedente recto.

1. R. ABYSSINICA A. Rich. 1. c. — Glutinosa: nuculo erecto ramoso, basi suffrutescente tereti; foliis brevibus 6 — 15-jugis, foliolis oblongis angustis, basi apiceque obtusis apiculatis glabris parvulis, stipulis lanceolatis acutis; racemis axillaribus siccis folio multo longioribus glabris; floribus distantibus pedicellatis; bracteis 2 oppositis, lori appressis lanceolatis caducis; calycis bipartiti glabri lobis concavis oblongis obtusis; vexillo basi longe unguiculato; carina alis dimidio breviori; leguminibus compressis, glabris, c 1—2 aliculis constantibus. — Habitat in Abyssinia locis humidis ad Il. Taccaze*.

6605. AESCHYLOMEUTE Linn.

(DC. Prodr. II. 320. — Wlprs. Reperl. I. 732. H. 889. V. 521.)

1. AE. SCHIMPERII Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 202. — Gaule herbaceo tereti piloso; foliis 10—25-jugis oblongis angustis, utrinque obtusis, apice seta terminatis, carnosulis glaucis glabris aut ciliatis, petiolo communi pilis quibusdam consperso, stipulis lanceolatis acutis, inferne cum petiolo coalitis, infra basin in appendicem pendentem acuminatam productis; pedunculis axillaribus elongatis, in diversae altitudinis punctis bracteas sessiles cordatas acuminatas gerentibus, saepius 1-floris; legumine compresso glabro laevi 2-unciali, basi ciliato aut hispido, longe stipulifloro. articulis 9—12 subquadratis. — Habitat locis humidis in Abyssiniae provincia Chiré.

6606. SOEHOIERIXGIA Mart.

(Wlprs. Repert. I. 735.)

1. S. PSITTACORHYNCHA R. Webb in Hook. Niger Flora pag. 123. f — Ramis robustis striatis glaberrimis fulvis. stipulis amplis coriaceis oblongis latioribus rotundatis sessilibus amplexicaulibus integerrimis striato-venosis glabris; foliis abrupte pinnatis 5-jugis, foliolis brevissime petiolulatis, petiolulis crassis stipellatis, stipellis caducis ovato-flabellatis obliquis obtusis e basi octonerviis reticulato-nervosis pellucido-punctulatis coriaceis, margine membranaceis integerrimis; spicis dichotomis, basi stipulatis imbricatis bracteatis; bracteis amplissimis membranaceis sessilibus connatis nervoso-reticulatis glaberrimis integerrimis imbricatis obcordatis florem foveatis floribus in axillis bractearum solitariis pedunculatis; pedunculo parce piloso stipulifloro; stipulis scariosis ovalis sessilibus, apice ciliolatis persistentibus. — In insulis ad Cap verd.

6613. AJVARTHOSYWE E. Meyer.

(Wlprs. Repert. I. 736.)

1. A. ABYSSINICA Hochst. mss. ex A. Rich. Tent. fl. Abyss. 1.204. — Caule ramosissimo tereti dense pubescente rugoso; foliis 3-foliolatis, foliolis oblongo-ellipticis, subtrapeziformibus obtusis integris, margine ciliatis, utrinque praesertim in junioribus pubescentibus, stipulis dissectis; racemo terminali elongato, foliis longiori; floribus pedicellatis leguminibus inaequalibus et serebri instar contortis. puberulis. — *Desmodium aspre-streblum* Steud. mss. — Habitat in Abyssiniae rupestrius.

6614/j. SAGOTIA Duchass. et Walpers.

(Duchass. ft Wlprs. Linnaea XXIII. 737.)

Calyx ebracteolatus obscure bilabiatus, labio superiore bifido, inferioris (rifidi) lacinia media brevior, omnibus longe acuminatis. Corollae papilionaceae vexillum longe unguiculatum obcordatum erectum, alae carinatae reclam obtusam bipedem aequantes. Stamina 10, filamenta vexilliferis libero, reliquis in vaginam superne fissam coalitis, antherae corollae

mes biloculares. Ovarium sessile pauciovulatum, stylus filiformis, stigma capitellatum. Legumen chartaceum 1—4-articulatum compressum, articulis ad suturam vexillarem continuis, ad suturatn carinalem constrictis, demuln secedentibus monospermis. Semina compressa subreniformia. — Suffruticulus in Asia et America tropica¹ vulgaris habitum *Oxalidis corniculatae* v. *parvifoliae* referens: foliis alternis pinnatim trifoliolatis, stipulis persistentibus; floribus axillaribus solitariis ternisve coeruleis, pedunculis capillaribus folium subaequantibus.

Obs. A *Desmodio*, cui proximum, recedit habitu et calycis lacinia infima brevior. Genus *Dollineræ* Endl. (Gen. pi. no. 6614.) analogum. Dicitum in honorem P. Sagot, medici Francogallici.

1. S. TRIFLORA Duchass. et Walp.l. c. 738.— *Hedysarum Iriflorum* Linn. sp. pi. 1057.— *Desmodium triflorum* DC. Prodr. II. 334. no. 84. — Wght. et Am. Prodr. fl. penins. I. 229. — (Stamina diadelpa observavi, nee monadelpa). — Wght. 1c. plant. Jab. 291 et 292. — Walp. Repert. J. 740. no. 29. (et III. Emend.). — *Nicolsonia? reptans* Meisn. Linnæa XXI. 260. f — *Desmodium glabrum* DC. Prodr. II. 338. no. 125.?? — Hook. ill. Nig. Flora 304. — *Desmodium Bullamense* G. Don. — Wlprs. Repert. II. 890. no. 1. — *Desmodium granulation* Schum. ft Thonn.— Wlprs. Repert. 1. 737. no. 7.— Suffruticulus ramosissimus longe repens, ramuli hirtelli filiformes. Petioli I¹/₂*—2 lin. longi piloso-hirtelli, foliola subrotunda v. obcordata subcoriacea, supra glabra, infra reticulato-nervosa, in nervo medio hirtella, I¹/₂, — 2 lin. longa et to lid em lata. Stipulae membranaceae striatae petiolo parum breviores, e basi ovata acuminatae piloso-ciliatae persistentes. Pedunculi axillares solitarii ternite capillares piloso-hirtelli. folium aequantes v. breviores, uniflori. Flores 2—3 lin. longi coerulei, calycis corollam aequantis laciniae acuminatissimae Jonge hirtello-pilosae¹. Legumina 1—4-articulate, 2—5 lin. longa, arcuata, valvis reticulato-venosis piloso-setosis. — Habitat locis arenosis per omnes fere regiones¹ tropicas.

6615. DESMODIUM DC.

(DC. Prodr. II. 325. — Wlprs. Repert. I. 736. II. 890. V. 525, Annal. I. 249.)

1. *D. OXYBRACTEATUM DC. Prodr. II. 324. - Hook. ill. Niger Flora 303. - I), *grande* E. Mey. — Wlprs. Repert. I. 737. no. 11. — *D. paleaceum* Guill. & Perr. — Wlprs. 1. c I. 737. no. 3.
 2. *D. LATIFOLIUM DC. 1. c. 328. — Hook. 1. c. — *D. lasiocarpum* DC. 1. c. — *Hedysarum deltoideum* Schum. flc Thonn. — Wlprs. 1. c. 737. no. 6.
 3. ¹D. MAURITIANUM DC. 1. c. 334. — Hook. 1. c. — *D. fruticosum* Schum. & Thonn. — Wlprs. 1. c. 737. no. 8. — *D. linearifolium* G. Don. — *D. ramosissimum* G. Don. — *D. tenue* G. Don. — Wlprs. Repert. II. 890. 891. no. 2. 5. 7.
 4. *D. INCANUM DC. 1. c. 332. — Hook. fl. 1. c. - *D. sparsiflorum* G. Don. — Wlprs. Repert. II. 891. no. 6.
- *D. SCHIMPERI Hochst. mss. ex A. Rich. Tent. a. Abyss. I. 205. — Caule erecto ramoso tereti, basi fruticoso; foliis trifoliolatis longe petiolatis, foliolo terminali¹ majori longiuscule petiolulato obovato-rhomboido acuminato, lateralibus obliquis ovalibus acutis, utrinque molliter pubentibus, margine subsinuosis; Btipulis lanceolatis angustis acutis pollicem longis; racemo terminali¹ longe pedunculato; floribus pedicellatis magnis, pedicellis calycibusque flavo-sericeis; fructibus...? — Habitat in Abyssinia provincie Semie^{ne}.
- ^ D. DEUCATILUM A. Rich. 1. c. 3)5. — Pusillum annuum: caule erecto spithamaeo, vix ramoso, piloso; foliolis ellipticis aut oboTali-oblongis obtusissimis, apice submarginatis, tenui-membranacels, superne glabris, subtua in nervis pilosis, stipulis lanceolatis acutis; racemis saepius terminalibus 3—5-floris; floribus longe pedicellatis, Pedicello gracili glabro; bracteis ad basin pedicellorum lanceolatis pilosis subimbricall[«]; legumine compresso, articulis 4 — 6 glabris reticulalis. — Habitat in Abyssinia in convalle fluvii Taccadz.

- 7, *D. NATALITUM* Sonder Linnæa XXIII 32 f — Suffrutescens caule ascendente
 d(hih piloso folus petiolatis cordato-ovatis, supra glabris, subius adpresse pilosis,
 stipulis Jinean-hinceolatis petiolo duplo brevioribus racemose terminali secundo, legu-
 mimibus lineibus subarcuatis puberulis*, articulis 6—8 aequibus semiorbiculatis. —
 Port Natal
- 8 *D. SANDWICENSE* E. Meter. Hort Regimont semmif 1850 p 4. adn f (HI \$ 2) —
 Inferne suffrutescens ramosissimum ramis virgatis hirsutis foliis pinnatis trifolia-
 tis stipulis* minutis deciduis foliolis inferiorum subrotundis, superiorum oblongis ob-
 tusiusculis? ciliatis supra glabris peticis, infra pilosiusculis, impari VII major? racemis
 terminalibus elongatis, rachis glanduloso-pilosa pedunculis geminis biacteis squa-
 mulaciformibus deciduis leguminibus subsessilibus 3—6-articulatis oblique reflexis
 inspersis, articulis venis semicircularibus, dorso convexiusculis — Habitat in Oahu
- U 1) *ACNORARPUM* Ilamc in Hooker's Journ of bot VII 473 — (caulis ascendens
 nuda. diffusis tenuibus, inulis subhirsutis foliis ovato-lanceolatis subcordatis ucinu-
 nalis, marginibus vix hirsutis, petiolo alato quintuplo vel interdum octuplo lon-
 gioribus, stipulis ovato-cordatis nuncius scissis leguminibus adpresse pubenti-
 bus apiculatis, articulis 6—9 subquadatis — In China ad Hong-Kong
- 10 *D. WRIGHTII* ASJ Gnj, Boston Journ VI 177 adn — Caulibus gracilibus ramosis
 tuberculatis folis unifoliatis breviter petiolatis foliolo membranaceo oblongo-ovato
 obtuso, basi subcordata, fere glabro, stipulis stipellisque subulatis minutis racemis
 terminalibus lomentis 3—4-articulatis breviter stipitatis, articulis maequilatis ovalibus
 in repullica Texana
- 11 *D. n. sp.* Musn Linnæa XXF 2bI — Herbaceum, repens, radicans
 foliis acutis ad *D. eiythnarfolium* DC., racemis simplicibus laxis paucifloris, legu-
 mine Juarticulo puberulo, articulis semiobicularibus — Flores violaceae (Specimen in-
 sulfic) — Crevit in silvis prope Geysers in Surinam

6617 T A V E R M E R A DC.

(DC Prodr II 333 — Wlprs Repent 1 744. II 892, Annal I. 250)

- 1 *EGYPTIACA* Boiss Diagn plant orient nov IX p 113 f — Caulibus basi suf-
 frutescens stridens et subdichotome ramosissimis ramisque striatis subnudis sco-
 pams glabrescentibus foliis unifoliatis breviter petiolatis. foliolo sparsim et adpres-
 sissime setoso, subius glabro, superne pilis virenti obovato vel retuso, basi subcu-
 neato pedunculis axillaribus brevissimis petiolum viz superantibus 1—2-floris. pedi-
 tello calyce brevior ciliatis adpresse hirsutis obconici deniibus lanceolatis acutis, tubo
 sublongioribus corolla, legumine (an semper?) umbraculato. articulo ovato hirsu-
 tello tenuiter et crebrius echinulato — (resell in Aegypto superior! ad mare rubrum
- 2 *ABISSINICA* A Rich Tent fl Abyss 1 20b. — Caulis frutescens ramosus, ramulis
 lentibus pulverulento-pubescentibus folis simplicibus paucifloris, breviter petiolatis obo-
 valibus ant obovato-oblongis obtusis aut subacuminatis concavis, superne glabris,
 subtus pallidioribus cinctis puberulis, stipula unica? (e coalitione duarum confecta)
 suppositifolia, basi lata apice acuta floris violaceo-purpureis racemum
 brevis pauciflorum folis interruptum efformantibus, calycis sericei 5-fidi laciniis an-
 gulis acutis, petalis persistens legumine inclusis angustis acuto compresso, arti-
 culis 2—3 constante sericeo-argenteo — Habitat in Abyssiniae provincia Tche-
 leukote

6617A. SARTORIA *Bom. Sf. Heldr.*

(Boiss. Diagn plant orient nov IX p 109.)

Calyx brevis obconicus, dentibus 5 setaceis tubo sublongioribus.
 Corolla calyce multo longior. Vexillum retusum inferne attenuatum.
 Carina obinangulans elongata, margine superiorum recta, inferiorum angustis
 incurva breviter stipitata, lobo breviter stipitatis onginem mstrucU*

Alae breviter stipitatae lineari-oblongae obtusissimae, lobo ad apicera stipitis auctae liberae, dimidia carina paulo longiores. Stamina diadelpa styliaque abrupte infracti. Legumen planissimum oblongo-lineare papyraceum breviter altenuato-stipitatum indehiscens non articulatum dispermum uniloculare, ad suturas incrassatum, nervulis transversis anastomosantibus tenuiter reticulatum. — Suffruticulus alpinus Anatomicus facie *Hedysari*. — Inter *Onobrychidem* et *Hedysarum* exacte intermedium, ab iis characteribus carpologicis tantum discedens, id est legumine nec ut in priori monospermo subrotundo vel orbiculari vel falcato, facie magis minusve strigulato, sulura superiori incrassata nec ut in *Hedysaro* articulato sinuato-strangulato. *Evenmannia* eodem fructus characteribus gaudet, sed differt facie diversissima legumineque apodoflexuosa, tandem suluris persistentibus vel aivatis vel in articulos transversos irregulariter secedenti.

1. S. HEDYSAROIDES Boiss. & Heldr. 1. c. 110. — Perennis, tota setulis adpressissimis canescens. griseo-virens: rhizomate lignoso caespitoso; caulibus brevissimis Tectis angustis sulcatis; pedunculis 1—2 ex axillis supremis foliis et caule ipso longioribus; foliis radicalibus caulisque bijugis, foliolis orbiculatis ovatisve obtusissimis crassiusculis, supra concaviusculis pallidioribus; stipulis membranaceis rufescentibus in unam oppositifoliam irregularem, apice bidentatam coalitis; racemis ovato-oblongis 12—16-floris terminalibus; pedicellis calyce brevioribus bracteola setacea sulcatis; calycis adpressis denis a basi breviter triangulari anguste setaceis, inferiori demum palato recurvo; corolla rosea estriata, calyce triplo longiori; legumine adpressissime et parce setuloso, lathudine sua triplo longiori, apice rotundato mucronulato. — Crescit in pascuis siccis montium ad orientem jugi Gheidagh sitorum in Tauro Iaurico all. circ. 5000 ped.

6618. HEDYSARUM *Jednme*.

(DC. Prodr. II. 340. - Wlprs. Repert. 744. II. 892. V. 527.)

- X. U. (*Echinolobium*) KOTSCHYI Boiss. Diagn. plant. orient. nov. IX. p. 110. f — Totum pilis adpressissimis canescens: caulibus elatis serialis flexuosis, jam e parte media pedunculos axillares subdivaricales folio duplo longiores edentibus; foliis remotiuscule 5—7-jugis, foliolis ellipticis obtusis pedicellatis, utrinque adpressis hirtis; stipulis membranaceis setaceis minimis, infimis inter se basi membrana semicirculari connatis; racemis oblongis densis tandem elongatis laxis; pedicellis calyci aequilongis, basi bractea coduca obscuris; calycis adpressis canescentibus denis a basi triangulari setaceis tubo vii longioribus; corolla lutea calyce quadruplo longiori; vexillo glaberrimo carina angulo obtuso infracta quinta parte breviori; alis angustis linearibus calyce subtriplo longioribus, vexillo brevioribus; legumine biarticulato vel saepe a basi alterius abortu uniauculato, articulo compresso oblongo subobliquo. basi attenuato areolato rugoso, tomento albo denso brevi cano setisque longis flavidis hirtis obsito. — Crescit in Assyria circa Diarbekir.
2. H. ATQMARUM Boiss. 1. c. 111. f — Caulibus asoepdentibus rugulis terebinthinis sub lente pilis sparsis adpressissimis hirtis. in dumos amplios aggregatis; foliis, 5—6-jugis. foliolis amplicis ovatis vel oblongis obtusissimis vel retusis, supra glaberrimis, sub lente crebre et minutissime punctatis, subtus sparsim et adpressissime selulosis laete virentibus; stipulis fuscis in unam triangularem longe bidentatam oppositifoliam coalitis; pedunculis ex axillis superioribus paucis foliis aequilongis; racemis densis ovatis dein oblongis; pedicellis calyce dimidio brevioribus bracteolatis; calycis adpressis denis laevibus laevibus subquadratis. tubo sesquilongioribus; corolla rosea calyce triplo longiori; vexillo glabro carinaria angulo-recto rotundato sublus incurvam yix superanti, alis anguste linearibus subincurvis carina paulo brevioribus; legumine triarticulato breviter hirtis. articulis planis ovato-rotundis, disco tenuiter reticulato-venosis, saepe parce tuberculato-echinulatis, marginibus ob oervos prominiores rugulosis. —

- Crescit in declivibus siccis planitie elevatae ad meridiem et orientem Antiochiae inter hanc urbem et Darkusch sita
- 3 *H DUMETORUM* Boiss et Heldr I c f - Piliis albis adpressissimis canescens caulibus virgatis angulato-serratis ascendentibus foliis 7—8-jugis, foliolis utrinque parce et adpressissime hirtis pallide virentibus ellipticis acutis crassiusculis stipulis rufescentibus in unam oppositifoliam longiuscule bidentatam brevem coarctatis, pedunculis 2—3 ex axillis superionibus folio longioribus racemis oblongis laxiusculis flonibus pedicello caetero sublongioribus, calycis adpressissime hirtis dentibus triangulari-selaceis tubo subaequilongis, corolla calyce quintuplo longiori vexillo purpureo retuso canna subtus angulo recto rotundata mfractam flavescens, margine purpurascens subsuperanti, alis purpureis carina paulo brevioribus, ovano triloculato adpressissime cano laevi, legumine ? — *H Lydium* var. *versicolor* Heldr — Crescit in dumosis inter Ghelindost et Karogatch Pisidiae
- 4 *II PESTALOTIAE* Boiss I c 112 f — Dasi suffrutescens, totum pilis brevissimis lente tantum perspirans adpressissimis obsitum caulibus procumbentibus ascendentibusve tenuibus teretibus densis foliis 7—8-jugis, foliolis minimis elliptico - Imbricatis obtusis crassis, supra ob marginem subrevolutum concaviusculis laetius, infra obscuriusculis stipulis in unam oppositifoliarum bipartitam brevissimam coarctatis, pedunculis ex axillis superionibus folio longioribus, racemis oblongis laxiusculis, pedicellis reclis post anthesin non dellexis calycem lubo aequilongis, calycis adpressissime hirti dentibus triangulari-lanceolatis, tubo aequilongis, corolla rosea calyce quadruplo longioribus, vexillo glabro carina angulo rotundato obtuso incurva vix longiori, alis oblongo-linearibus, canna paulo brevioribus, ovano parce et adpressissime hirtulo, legumine ? — Crescit in Licia prope Elmalu
- 5 *II LEUCOCLADUM* Boiss et Heldr I c f — Basi suffrutescens, totum adpressissime canum caulibus pumilis foliis 10-jugis, foliolis oblongo - ellipticis, utrinque canis obtusis crassiusculis, supra concaviusculis, stipulis canis in unam brevem oppositifolium profunde bipartitam coarctatis, pedunculis folio 2—3-plo longioribus divaricatis, racemis tenuibus strictis oblongis laxiusculis, pedicellis lubo calycis brevioribus calycis canis dentibus triangularibus acutis tubo brevioribus corolla purpurea calyce quadruplo longiori, venello parce hirtello, carina angulo recto rotundato incurva subbrevioribus, alis oblongis venello subbrevioribus, ovano adpressissime canescenti, legumine . - ? — Crescit in collibus Pisidiae prope Bouldou

6619. ONOBRYCHIS *Tournef.*

(DC Prodr II 344 — Wlprs Repert I 746 n 394, Annal I 250)

- 1 0 (*Hymenobrychis*) *EXPANSA* Boiss et Heldr Diagnos plant, orient nov. IX pag 105 f — Perennis caulibus crassis siccatis humi expansis ascendentibusque brevissime tomentellis pilisque longioribus deflexis sparsis hirtellis foliis sub-4-jugis, foliolis oblongo-lanceolatis acutiusculis, subtus adpressissime hirtulis, supra glaberrimis stipulis triangulari-lanceolatis acutis petiolis hirsutis pedunculis siccatis axillaribus, folia multo superantibus, fere a basi laxe racemosis calycis dense tomentosi hirsutisque dentibus a basi triangulari lanceolato-subulatis, tubo duplo longioribus, corolla carnea vel flavida vivide rubro-siccata, enhec plus duplo longiori, vexillo adpressissime hirtulo carina margine superionibus rectae, inferionibus angulo recto incurvae aequilongae, alis oblongo-rhombicis valde siccatis, calyce brevioribus legumine falcato - orbiculari glaberrimo nitido, dorso areolato areolis centralibus ob nervos valde elevatos aculeatos scrobiculatis, crista lata radiato-nervosa margine denticulata circumdatis — Crescit in aridis prope urbem Komah Ucaoniae
- 2 0 *AURANTIACA* Boiss I c 105 f — Perennis caulibus ascendentibus crassis siccatis, inferne laeva densa longa patula barbata, superne glabris vel pilis sparsis hispidentibus. foliis inflatis 1—2-jugis, superionibus 4—5-jugis, foliolis magnis ovatis vel ovato-oblongis obtusis inaequalibus laete virentibus firmis, supra glaberrimis, subtus glabrii vel breviter et parcissime hirtellis, stipulis triangularibus acutis glabris

- pedunculis stneis axillaribus, demum longissimis laxe racemosis. calycis breviter loraemoso-canescens dentibus triangulari-lanceolatis acutis, tubo sublongioribus corolla aurantia roncolum calyce triplo longior vexillo adpresso toraentello, canna marginibus euphorbia convexa, inferiori angulo recto rotundata incurva alba ovato-subfalcatis acutiusculis. calyx paulo brevioribus legumine orbiculato-falcato sub lente brevissime loricato nitido areolis interstitiis subelevato-nerviis aculeis 1—2 saepe euanthidis obsitis, ensata lanata radiato-nervosa, denticulis triangularibus minutissimis saepe loricata obsita legumen circumdanti — (rescit in declivibus siccis inter Anliochiam et Daikusch ad Oiontem in Sjna boieq. et inter Aleppum et Orfa
- 3 0 (*Eubiyehis*) PANNOSA Boiss 1 c 10b f — Tota tomentosa densissimo adpresso albo pannosa acaulis foliis omnibus radicalibus 6—7-jugis foliis ovatis oblongisve obtusis mucronatis vel mucronatis superne pallidius (nervis stipulis minutis hirsutis a basi triangulari in-suturalibus lacemibus elongatis laxiusculis stneis pedunculo crasso folia paulo superantia suffultis hirsutis parvi albo-tomentosi dentibus lineari-9-nerviis, tubo subaequilongis corolla e sicco carnea vel lutescente, calyce triplo longior estnata Axiis canni marginibus euphorbia inferiori angulo recto rotundata incurva subbrevioribus lineari-lanceolatis acutis levis calyce duplo longioribus legumine (juniori) ovalo-rhombeo compresso stipulato acuto tomento denso albo setis rubris Intermixto obsito — Crescit inter Sumck & Diarbekir
- 0 ARGYRA Boiss 1 C 107 J — Perennis tota adpressissime senceo-argyrea radice crassa lignosi caules teretes substriatos pumilos educti, foliis radicalibus caulibusque parvis brevibus 3—4-jugis, foliis ovato-orbiculatis obtusis mucronulatis, utrinque sericeis nitenlibus, stipulis lineari-selaceis senceis racemosis brevibus latiusculis pedunculo folium aequanti vel superantia suffultis, calycis sericei dentibus e basi triangulari selaceis*. tubo sublongioribus, corolla e sicco estnata rosea calyce quadripleto longior vexillo adpresso hirsuto canna margine superior) rectam inferiori rotundata - incurvam apice brevissimo alternatim aequanti hirsutibus apice nudentibus calyx duplo longioribus legumine stipitato falcato-subsemilunato compresso margine extenso convexo hemisphaerico inferiori breviter convexiusculo. toto breviter loricato pilisque longioribus subsulo, ad discum areolato parce et breviter aculeato, ad marginem setis aculeiformibus diametrum suum ditridium aequantibus radialibus cinclo — Crescit in Capadocia ad Cuphrattm
- 5 0 PISIDICA Boiss 1 c 107 f — Perennis inuiticaulis caulis elatis crassis teretibus striatis pilis erecto-patulis canescentibus villosissimis foliis 10—13-jugis, foliis elliptico-linearibus. densiusculis, supra adpresso birtis vnescentibus. subtus dense (uncis lenticulis seuteis stipulis membranaceis adpresso hirsutis in unam oppositifoliam bidentatam breviter connatis, dentibus longe triangulari-subulatis, pedunculis longis folia multo superantibus spicis longis cylindricis laxiusculis, calycis hispidi dentibus a basi breviter triangularibus selaceis plumosis, tubo quadruplo longioribus, corolla rosina breviter bievibus, vexillo calycis subaequilongis hirsutibus tubo calycino duplo longioribus hirsutibus obtusis bievibus *stipulatis» legumine calycis denibus superato semi-orbiculato complanato lacre interiori recto, extenso convexo, toto hirsuto. qd discum foveolato mucronato vel aculeis 1—2 brevibus obsito, foveola centrali oblonga alus duplo majori, cribra disco angustiori breviter 4—5-denticulata — Crescit in cam pis axenosis plantae Isbartia in Pisidia
- b 0 GAERTNERIANA Boiss 1 c 108 f — Annuua caulibus prokrallis parce et patule hispide foliis 6—9-jugi». foliis parvis oblongo-cuneatis uncinatis vel orbiculatis, supra glabris. subtus junioribus praesertim adpresso canescentibus, stipulis ovatis membranaceis birtellus unam oppositifoliam, apice bifidam coarctatam pedunculis bilobis folio axillari subbrevioribus, calycis adpressiuscule hirsuti dentibus lanceolatis. apice longe subulatis tubo 4—5-pleto longioribus. corolla rosea calycinos denes paulo superantia vexillo emarginato canna paululum superantia hirsuta oblongis ennim aculeis, legumine dentibus calycibus longior semiorbiculato, ad latus inferius mucronato, ad extensum convexo, disco areolato scrobiculato adpressissimo et sparsim birtellus unam paucis aculeis consti plantissima legumem subaequilata ad hasiu usque in tres

laciniis oblongas obtusas. uiroque margine 3—4-denticulatas sinibus lalis sojunctas
 divisa. — *O. crista galli* Gacrt. — Crescit in Palaestina circa Hierosolyma et Na-
 zareth.

(5. *brachylopha*: flores paulo minores; Icguminis crista diametro disci dimidio
 brevior. — Oescit in aridis Persiae australis prope Gere inter Abuschir et Schiraz,

6624. EBEHTCJS *Linn.*

(DC. Prodr. II. 350. — Wlprs. Repert. I. 749. II. 897, Annal. I. 970.)

1. »E. ERINACEA Jaub. a Spach. — Wlprs. 1. c. II. 899. no. 10. — Jaub. & Spach. Illustr. pi. orient. III. 69. f t. 255.
2. *E. MACROPHYLLA Jaub. ft Spach. — Wlprs. 1. c. 898. no. 5. — Jaub. ft Spach I. c. 67. f tab. 253.
3. *E. MONTBRETII Jaub. ft Spach. — Wlprs. 1. c. 898. no. 3. — Jaub. ft Spach 1. t\ 63. f tab. 250.
4. *E. POGONOTROPIS Jaub. ft Spach. — Wlprs. I. c. 898 no. 4. — Jaub. ft Spach 1. c. 66. f tab. 252.
5. *E. TRAGACANTHOIDES Jaub. ft Spach. — Wlprs. 1. c. 899. no. 7. — Jaub. ft Spach 1. c. f 68. tab. 254.

6624/j. EBEffITIDIUJfl *Jaub. y Spch.*

(Wlprs. Repert. V. 527.)

- 1 'E. LAGOPUS Jaub. ft Spach. — Wlprs. I. c. 528. no. 1. — JauB. ft Spach, Illustr. pi. orient. III, 61. f tab. 249.

Subtribus III. ALUAGAE DC.

G625. ALIHAGI *Tournef.*

(DC. Prodr. II. 352. — Wlprs. Reperl. I. 749.)

1. A. TURCORUM Boiss. Diagnos. plant, orient, nov. IX. p. 113. + — Caulibus herbaceis ramosissimis; ramis spinisque junioribus pilis sparsis adpressiusculis liirtellis, tandem glabris; foliis ellipticis obtusis, in petiolum brevissimum attenuatis, primum utrinque adpresso hirtis, demum glabris; spinis inferioribus nudis brevibus folio axillari brevioribus, superioribus tenuissimis longe acerosis folia axillaria nullo superantibus; floribus secus spinas superiores 3—8 laxo racemosis; calycis sub lente parce et breviter hirti dentibus brevibus triangularibus aculis; floribus purpureis; vexillo carina obovata subtus rotundata sublongiori; alis oblongo-linearibus carina subbrevioribus; ovario angustie lincari redo glaberrimo; leguminc. . . . ? — Crescit in Asia minori ad Koniah, Syria ad Beyrout et in Mesopotamia.
2. A. MAURORUM L. — DC. 1. c. no. 1. — Boiss. 1. c. 114. f — Caulibus ramosissimis spinosissimis; ramis spinisque sub lente breviter et densiuscule puberulis; foliis oblongis obtusis parvis puberulis in petiolum attenuatis: spinis crassis basi substriatis longe attenuato-acerosis folio axillari multo longioribus; floribus in parte inferiori spinas solitariis rarius binis; calycis adpresso hirtelli dentibus breviter triangularibus ovatis obtusis; corolla. . . . ?; ovario adpresso sericeo; legumine tomentello linearicylindrico subincurvo 3—5-spermo inter semina irregulariter sub?rangulato. — *H&hagi* Desv. — *Alhagi* Tournef. — Habitat in desertis Syriae et Aegypti.
3. A. GRAECORUM Boiss. 1. c. 114. f — Caulibus herbaceis ramosissimis spinosissimis; ramis spinisque praesertim junioribus patule et dense tomentellis canescentibus; *0' liis oblongis obtusis in petiolum attenuatis, junioribus utrinque argyreo-sericis, W^m dem canescentibus; spinis crassis longe attenuato-acerosis, folio axillari multo }^{0JJ} gioribus; floribus in parte inferiori spinas solitariis vel binis; calycis adpresso h^{ff}u

denlibus breviter iriangularibus acutiusculis; corolla purpurea; vexillo carina obovata, subtus rotundata paulo longiori; alis oblongo-linearibus, carina subbrevioribus; ovario sericeo - lineari; legumine glabre'scenti lineari - cylindrico 6 — 7 - spermo ia articulos 3—T sutura inferiori inter semina strangulato. — *Hedysarwn Alhagi* Siblh. — Crescit in littoribus Atiicae ad Sunium promonlorijum et Phalerum, in insulis Syra et Samo.

6626. ALYSICARPUS Neck.*)

(DC. Prodr. II. 352. — Wlprs. Report. I. 749. II. 899. V. 528.)

1. A. NUMMULARIFOLIUS DC. 1. c. 353. no. 3. —

[*J. Surinamensis* C. F. Meisner Linnaea XXI. p. 262. — Leguminis articulationibus obsoletis, vix ac ne vix quidem incrassatis. — Foliola proraiscuc subrotunda ovalia obovata oblonga et oblongo-lanceolata, % — 1 poll, longa, basi semper levissime cordata, apice plerumque rotundato-oblusa cum mucronulo, rarius (dum angustiora) acutiuscula. Flores rubri. — In Surinam ad Paramaribo.

2. A. FEHRUGINEUS Hochst. ft Steud. inss. ex A. Rich. Tent. fl. Abyss. I. 207. — Caule erecto ramoso bipedali et ultra, basi suffrutescente; ramis virgatis, ferrugineotomenosis: foliis brevissime petiolatis, inferioribus suborbicularibus, caeteris ovalibus* acutis am obiusis et apice vix et brevissimo acuminatis reliculatis, superne glabris, subtus in nervis et margine pilosis, stipulis longis lanceolatis acutissimis nervosis; racemo terminali, post anthesin vulde elongato longissimo gracili, pedali aut sesquipedali; floribus numerosissimis pedicellatis ferrugineo-pilosis; fructus articulis 3 — 6 globosis laevibus glabris subpulverulentis, calyce persistente vix longioribus. — Habitat in Abyssinia prov. Ouodgerate.

3. A. QUARTILIANUS A. Rich. 1. c. 206. — Annuus: caule erecto subsimplici 1—2-pedali lereii piloso; foliis breviter petiolatis ovali-oblongis, basi apiceque obtusis mucronulatis, superne sublusque in nervis pilis quibusdam rigidiusculis conspersis; stipulis lanceolatis acutissimis membranaceis striatis pilosis, petiolo duplo longioribus; calyce glutaceo piloso, pilis longis nigricantibus; leguminis articulis saepius 2 — 3. — In Abyssinia,

i. A. HOCHSTETTERI A. Rich. 1. c. 209. — Caule erecto ramoso bipedali tereti; ramis virgatis puberulis; foliis breviter petiolatis ellipticis, utrinque obiusis, apice mucronalis vix punctato-puberulis, nervis petioloque pilis raris conspersis; stipulis scoriosis, oblique ovali-lanceolatis, acutis, striatis, petiolum aequantibus; racemis simplicibus elongatis terminalibus aut oppositifoliis; floribus distantibus pedicellatis, sepalis lanceolatis puberulis striatis, margine ciliatis; leguminis articulis 3 — 5 subgloboso-coimpressis puberulis transverse rugosis. — Habitat in Abyssinia prov. Tigre*.

Tribus V. PHASEOLEAE DC.

Subtribus I. CLITORIEAE Benth.

6635. CLITORIA Linn.

(DC. Prodr. II. 233. [excl. sect. 3. 4.] — Wlprs. Report. I. 751. V. 528.)

1. CL. AMOENA Miqu. Stirp. Surinamens. select. pag. 24. f — Ramulis glabriusculis; foliolis lateralibus ovatis obtusiusculis, terminali late elliptico, utrinque obtusiusculo, coriaceis, supra glabris, subtus subtomentello-pubescentibus pallidis, venis circiter duodenis; racemis crassis sparse villosis; floribus breviter pedicellatis, pedicellis basi bracteis ternis lanceolatis striatis villosis suffullis; calyce tubuloso-obconico quinque-

*) *Hegetschweilera pulchella* Heer. (Walp. Repert. V. 528.), plania ab auctore insufficienter descripta ab *Alysicarpus* — quibuscum verosimiliter consocianda erit — non nisi staminibus monadelphis differre videtur. *Alysicarpus nummularifolius* DC. in India orientali indigena cum soburra in India occidentalem arlyctus esse videtur.

ilotitato \illos>(ilo bi icltolis (luabus lineari-lancpoliti> Inud plant cpfosiiis inplo lon-
^iore Jegummibus bieviter siipitalis lanceolilo-linoanbus sulo uncinitis — Crescit
in Surmtim locis **hui^udis** <id flumen Manowynne inlenus

I th BIFLOI^H Dalzell in Hook K» w gard nus< II 35 — Caule erecto lineis pilosis
sluato fulioli-, ovatis vtl lanrtohlis aculi>>, supia parce, subius conleilim strigo<=is,
stiptilis sUptllidque setaceis peduntulis brevis^nuis billons bnclajs parvis Janceo-
lalo -acuniinatis braricoli* ainpJis ovalis acuminntis, calycis tubulosi pilosi dentibus
setaceo-acuminalis \exillo Blabtrruno ovano sencpo — Crce>cit ubique in Indiat
ontentalis piovinciib occideniilibus

Ieon addenda*

Ui MARIA>A L -(DC U 234 no 3) - Torr Flor Now York I 163 nh 24

Subtribuk II \LV\lb\EAL Bnlli

6641 ft£]V]VEDYA *lent.*

(DC Piodi II 383 ex p. — Wlpis Repen I 757 V 5<, Annal I 251)

! R PHOCURRLNS Bnth in Milchell, Journal of iropiral Auslnlia pag 365. adnot —
Koliohs inhus ^Hiplicis ovii^ve mucronuhtis, uinnque hirielhs, subius leliculatis
Nfipuli:* subcoidalo -lanceohti-* atulissimi^ blnatis peduncutis vci^us npicem plun-
Hois petiolo multo longionbu*. floijbu<t subnutanlibus — fiosnt in Australia orien-
L li iropici

6643 PHYSOIJOBIUJJI *if nth*

(Wlpis Iteptrt I 758)

1 HI M\CROI>IIVI LUM Meisn. m Lchm Plant Preiss II -K2 + — Volubile? stipulis
foliaceis ncivobis lalo ovatis, bieve acuminatis, *m* unam perfolidlam paleniein connai-
iis foliolib late ovalibus subrolundisque subaequalibus mucionulatis, uinnque reticu-
lalo-Aenosis, subtus ramisque laxe pilosis, flonbus in apico pedunculoium longissi-
moium indivisorum pilosoruni ebracealorum laxc racemosis, pedicollis subfascicula-
tis glubns calyco pbrum longiWibus, calyce glabio, w\ diinidnm corollam aequanie,
labio supenore obluso bre\iler bilido Infenous dentibus acutiH tube subbrevioribu*
(orjm falcQln obtusn, loquinme iu.str.ilu glnbro, dense nervoso-rugiilo>>o — Habitat
in Nora Høllandia ad fl Lygnoium

6645. LEPTOCYAMIS *Bnth.*

(Wlprs Report I 758)

1 L L\r\FOLIUS Ihvh in Mitchell, Journal of tropical Australia pag tol adnot —
Mollitci MHO<US foliolit. membranaceis oblique obo\alls ovalibusque utrinque idpiesse
pubescputibu^ villosiive cohcbibus subsessilibus MIOSIS — (iescit in \ustralia onen-
Lali tropica

SubliUiiia IU U\CI\EAt Until

6646 JOHIVIA *Linn*

(Wlprs Kepert I 759 V 531)

I I PRTITIANA A. Rich Tent il Abyss I 210 t 40 f — Caule basi suffnitescenia.
inline herbaceis teretibus subangulalis., dense senceo-tomenlosis, foliolis flgura maxitt>e
\ mis, mine sacpius ovali -oblongis obtusis mucronulatis, basi subcuneaiis, nunc l>le
usalibus, basi obiusissirois, nunc rarius ellipuco-lanceolatis acutis, semper et pi<e<>
sortiin subius senceo-iomentosis, in nervls subferrugincis, siipulis lonceolatis **acutt***
hrevibus senceis rac<*>mis azillaribus peduoculatis multiflons, folio longionbus, **calf**

αD dense tomentososeucet lacinia gupcnore e duabu* coalws constaele, caetons lanreolalis aculis, mfenore paulo longiore, «anna brevi obtusa alis oblongis angustis oblusis broviore. siamimbus monodolphis, legumimbus angustis, sesquiunciam longis acutis, 2 lineas latis, compressis subtoiuolosis», dense feTugineo - tomentosis, 5—7-spernus. interne seplis uansversis 'cellulafibus polj^peimis semimbus oblongis subcretibus utnnque obtusis nitidib — In rudciaiis pro\ OUoilgrate in Abyssinia

6650 GMTClirrfMflrW y Am

(DC Prodi II 241 [ex p] — Wlprs Rcpert I 759 II. 900. V. 531)

- I GL. MONILIRORMIS Hochst HISS ex A Rich Tent 11 Ab)«s I 211 — Tola cnieica caule scindente, loliolo lerminali ovali * oblongo, apicc angusialo aculo, piaeserlim sublus, tomtntObO lateialibus basi inaequilatens, flonbus parvulis racemum gracilem dxillaicm lolio luplo aui quddiuplo longiorem mullifloruin efformantibus, calycis laci-iins Kmceolatis senceis, coiollam fere aequantibus, legumimbus sublmearibus unciani unam longis aculis, subinomliformibus gnseo-tomentosis. 5—b-spermis — liability in Abjssinne provinua Seinicne
- I GL MIGRANTHA Hochst mss ex A Rich 1 c 21^ — Laule scndente ferrugineo-illoso, foliis longe petiolalis, foliolo terrhinali elliplico, basi subtuneato 3-nervi, late-i l^ius ellipticij matquilateris acutis, superne pubcniibus, subtus ferrugneo - subpi-lo»is, llonbus parvuli» in racemum axillarem gracilem raultifloium longiludine folii di»positis, calycib lacinns hnean-lanceolatis acutissimis. legumimbus anguslis depen-vlontibus unciahbus submoniliformibus acutis. subiomonios, is 4—6-sperrais, semimbus ovoidco-compressis, laevibus. — Habitat in Abyssimae prov. Tigrecnsi
-) GL ABYSSINICA Hochst mss. ex A Rich 1. c — Cinerea caule volubili ramoso giacili dense pubente, foliolis parvulis eilipticis utnnqub oblusis, similibus et aequi-la ens, superne glabnuscuh, subtus senceis, flonbus mini mis 2—3 racemum axilla-i cm folio brevioicm distantifloium eflormantibus. legumimbus lineanbus acutis gnseo-''jtnceis. sesquiunciam longib polyspermis. — Habitat m Abvssima

6653 GALACTIA P. Bi

in Piodi II. 237 — Wlprs Repert I 761 II 900 V 531 — btuitia DC 1 c 381 — Odonia Bert — Grona Lour — DC 1 c 239)

- t *G CANESCENS Bmh — Wlprs Repert 1.461 no 4 — A GIBN Bosl Journ of nal lust I 171 — Helaoaipaea Texana Scheelc, Linnaea XXI 469
- I G SAGOTI Duchass et Wdlp Linnaea XXIII 739 — Caule volubili tereli cum petio-1H foliolisque sublu* .ulpresse minutcque iingilloso - pilots, loins bievisissime pelio-latis, foliolis lineanbus, utnnque oblusis rotundatis, superne glabns racemis axillan-bus folio vix brevionbus, apice pauciflons legumimbus (jumonbus) senceo-pilosis — Simihs G dubiac DC, a qua differl folus brevius peiolatis, foliolis hneanbus (me ovalibus) flonbusque io&eis (nee croceis) Folia plerumque subsessilia, rarius peliolo comraum tnhneari suffulta (in G. dubia potioli plerumque semipollicares), foliola 1—2'/a-pollicai la, semipollicem circiler lala (in G dubia foliold 8—15 tin longa, 1—6 lin lata), foliolo lerminali laterahbus longiore el petiolulo 2—3 lm longo in-stiucto Pedunculi axillares l'/i—2-pollicares v eliam subnulli, llonbus subsessili-ljns, apice pauciOon, (lores 4—5 racemoso - umbelHi Vexillum et aide ex rosco puipurascntia, canna albida (in G dubia flores croceos vidi) Legumina matura de-sulonnlur — Crescit iu insula Guadeloupe
- 5 ft TI X4NA A»a Gray Do«t Journ VI 170 f — Piofumbens subvolubilis cincioo-lomentosa tnfololata foliolis ovalibus retusis setaceo - mucronaiis, supra emerco-pubernlis, subtus senceo -canesppniibus: racemis pauciflons folio brevionbus, petio-l«m raro suporantibus legumme eximie falcato senceo, folia excedente. — Lablab tcranus Scheelc, Linnuei XXI 467 — Crescit in republica Tc\ensi
- 4 6. HETEROPH\LL\ \sa Giay 1 ci! 171 f — Çano->MceT cnulibu» gracilibu^ c basi snfTrulico^a tlenimbonlibm foliolis nblmri« submnpntm OMUSK iciusisre mu-

cronulatis, aut 3 laterculibus a terminali paulo remotis, brevissime petiolulatis, aut in plurimis 4—5, accessoriis cum lateralibus digitalim inserlis; racemis brevibus paucioris; calycis laciniis triangulari-oblongis sericeis, corolla multo brevioribus, superiore bidentata; legumine puberulo recto, inferne angustato 3—6-spermo. — Crescit in republica Texana.

✧ G. HISPIDULA Benth. Linnaea XXII. 514. f — Caule volubili piloso; foliolis 3 ovatis oblongisve obtusis vel acutiusculis mucronatis, supra glabris vel pilosiusculis, subtus pilosis vel sericeo-villosis; pedunculis brevissimis, pedicellis fasciculatis; calycis laciniis supra bidentata; legumine vix arcuato hispidulo subuncinato-mucronato intus vix scplato. — Habitu et floribus parvis angustis *Glycine* veris approximalur, sed stamina et legumina latiuscula *Galactiae*. — Crescit in provincia Minas Geraes in Brasilia.

Subtribus IV. DIOCLEAE Benth.

6657. COLLEAEA DC.

(DC. Prodr. II. 240. — Wlprs. Repert. I. 762.)

1. C. DECUMBENS Benth. Linnaea XXII. 515. f — Caulo subsimplici decumbente villosa; foliolis unifoliolatis, foliolo ovali vel oblongo-elliptico subsessili, basi subrotundato-rordato reticulato scabro-puberulo; pedunculis folio vix longioribus, apice interrupte raccinosi; calyce glabro. — Crescit in provincia Minas Geraes Brasiliae.

6659. CAMPTOSEIA Hook, y Am.

(Wlprs. Repert. I. 764. V. 532.)

1. C. GRANDIFLORUM Benth. Linnaea XXII. 516. f — Pubescens vel glabratum: foliolis tribus nervatis acuminatis; pedunculo longe racemoso floribundo folio multo longiore; corolla calyce plus triplo longiore. — *Cratylia spectabilis* Tulasne. — Wlprs. Repert. V. 533. no. 3. — Crescit ad Caldas in Brasiliae provincia Minas Geraes.

6662. DIOCEIA H. B. Kenth.

(DC. Prodr. II. fo3. — Wlprs. Report I. 764. V. 533.)

- J. b. (*Paclujobium*) REFLEXA Hook. 111. Niger Flora pag. 306. f — Ramulis petiolisque praesens pilosis; foliolis ovatis brevissime acuminatis, tenuiter coriaceis, supra glabris. Mibtus hirsutis; inlorescentia rufo-tomentosa; floribus confertis brevissime pedicellatis; bracteis lanceolatis persisteatibus reflexis; calycis campanulati lacinia inflata lubo vix brevior; carina rosstrata alis brevior; legumine ovato-oblongo planiusculo rufo-villoso. — *Dolichos coriaceus* Grah. in Wall. Catal. no. 5562. — Crescit in capita Palmas, prope maris litus in insula Fernando Po.

Subtribus V. ERYTHRINEAE Benth.

6665. MICUSTA Adans.

(DC. Prodr. II. 404. — Wlprs. Report. I. 767. II. 900.)

1. M. (*Cittia*) MACROBOTRYS Hance, PI. nov. Austr. Chin, diagn. ined. p. 19. — Perennis. alte scandens: foliis 3- v. rarius 5-phyllis foliolis breviter petiolulatis ovatis ellipticis ovato-ellipticis cuspidato-acuminatis glaberrimis v. subtus sparsissime pilosulis saepe inaequilateris; racemis pendulis 20—30-floris longo pedunculatis simplicibus, pedicellis compressis ternis calycem subaequantibus; calycis segmentis tubum aequantibus postico latiore triangulato-ovato obtusiusculo integro, antico lanceolato acuminato basi plerumque dente brevi utrinque aucto, lateralibus pariter lanceolata et acuta dimidio superante; leguminibus semiovalibus reclis (juvenilibus saepius plus minus eurvatis) nigris, extus lame His pluribus obliquis fibrosis auctis 3 - vel 2 - spermis plus

- copiosis rigidis fragilibus urcentibus fulvis armatis; scminibus ovalibus coinpressis fulvo-brunneis, margine altero magis convexo hilo lineari fuliginco longitudinaliter cinctis. — In ins. Hongkong prope templum Cbinense rcpcri, quapropter planta fortassis baud spontanea. Foliola 4—5 poll, longa, 2—3 poll. lata. Flores atroviolecei, bipollicares. Pedicelli, calyx corollaque fulvo-pilosuh. Legumina matura 5 poll, longa, 1% poll. lata. Flores odore panis recntius pisii. — Beatus Endlicher in caractere diagnoslico sectionis Cittac huic „Legumen suturis profunde bisulcatis" adscripsit. Suturae autem omnino planae sunt et sulcus sic dictus nihil aliud est quam spathim inter duas lamellas, quae ad margines suturarum oriunlur.
2. M. (*Sectio?*) FLAGELLIPES Vogel mss. in Hooker, Nigor Flora pag. 307. f — Caule foliisque glabris, foliolis oblique Qvalis subcordntis, apicc abrupte acuminatis membranaceis nitidis; pedunculis longissimis, apicc racemosis; bracteis lale ovato-cymbaeformibus sericeis; calycis late hemisphaerici denlibus t rib us aequilongis oblusis. — Crescit in insulis fluininis Nigri.
3. M. MELANOCARPA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 215. — Scandens •., foliis longe peliolatis; foliolo torminali oborali-obtuso aut subacuto, basi subcuneato, lateralibus valde inaequilaleris, subovalibus, basi truncatis, apice brevier acuminatis, omnibus membranaceis integris, superne glabris, subius ferrugineo-pubentibus; floribus maximis in racemum simplicem folio longiorem axillarem pedunculatum nulliflorum dispositis; calyce sericeo-ferrugineo; leguminibus oblongis angustis obtusis, dense et viridi-sericeis, calyce ampliato basi cinctis. — Habitat in Abyssinia provincia Ghire*.

t Icon addenda.

- M. MACROCARPA WaU. — tflprs. Report. L 707. no. 5. — Paxt. Mag. of bot. XVI. 87. (c. ic.)

6667. ERYTHBIIVA Linn.

(DC. Prodr. II. 410. — Wlprs. Repert. I. 768, II. 901. V. 535, Annal. I. 251.)

1. *E. SENEGALENSIS DC. Prodr. II. 413. no. 24. — Hook. (11. Niger Flora p. 308. — *E. Guineensis* G. Don. — Wlprs. Repert. II. 901. no. 1.
2. E. VOGELII Hook. fl. Niger Flora pag. 307. f — Inermis? subglabra: caule sulcalo.; foliolis ovato-oblongis oblongisve obtusis coriaceis reticulatim venosis; racemis terminalibus strictis multifloris; calyce spathaceo vix puberulo, apice reflexo obscure tridentato; vexillo calyce multo brevior, dliis calycein aequantibus, carina triente longiore. — Crescit in insula Fernando Po. — (Plania sui generis?) -
3. E. ERYTHROSTACHYA Morr. Ann. de la soc. d'agric. de Gand V.457. t. 291. — Fruticosa; ramis, petiolis ct foliolis subius aculealis; foliolis delloideo-acuminatis retfcu-latis, utrinque glaberrimis; racemis spicatis multifloris terminalibus coaelanel; floribus ternato-fasciculatis bracteatis; bractea lanceolata acuta; pedunculo brevi; calyce campanulato-truncato, dente inferno obtuso incrassato tuberculiformi; vexillo recto lato-lineari; staminibirl diadelphis, quinque majoribus, qualuor minoribus, stamine decimo llbero longiore. — Habitat ?
4. E. YESPERTILIO Bnth. in Mitchell, Journal of tropical Australia pag. 218. adnot. — Glaberrima: caule fruticoso aculeato; foliorum petiofo elongaio, foliolis trilobis, lobo medio recto acutiusculo, lateralibus multo majoribus falcato-divaricatis obtusissiiinis. — Crescil in Australia orientali tropica.

f Icon addenda.

- K. ABYSSINICA Lam. - DC. 1. c. 413. no. 25. — A. Rich. Tent. 0. Abyss. I. 214 tab. 41.*

0667/, CHIROCAL.YX *Melsn.*

(Wlprs: Report. V. 553, Annal. I. 251.)

- 1 CH. PUBESCEKS Walp. *Linnaea* XXIII. 741. — *Erythmia fuv* Prul. *Symb. bot.* 1! 69. tab. 46. ~ Walp. *Rupert. J.* 769. no. 13.

6667/2. JDUCHASSAINOIA *Wlprs.*(Wlprs. *Linnaea* XXIII. 741.)

Cal>\ campanulatus bilabiatus, labiis inlegris, v. oblique truncatus patens subunilabialis, labio inferioris margine interna jilandula emicae-formi insimcto. Corollae papilionaceae vel illum longe miguiculatuni, ovali-ihonilteuni, eieclunij, alas caianique dupio superans. Alae ovalo-falcalae, oblusae, carinam gamopelalain naucularem obtusissimam V apice profunde bilidam aequantes \. subaequantes, caiytc duplo longioros. Sliinina' 10, noxeiii ad longitudinom carinae in vaginam superne lissaiu coalita, ilamcnlo dccJmo basin usque v. fere basin usque Jibero. Ovarium stipitalum multiovulaluqi, stylus liliformis lon^itudine stannuin, sigma oblu^uin capitellalum. Legumen ignoluin. — Frutices Jiatitn *Enjthrinarum*, in Proniontorio bonae spei, in India orientali et in insulis Canbaeis indi^cni.

Observ. Dift'ert hoc penus, jam primo adspeclu eximurn ab *Erythrina* alis carinaque gamopetala caljcem longe superantibus, a *Micropteryge* recedit carina non rostrata sed oblusissima alisque cal>cem plus duplo excedentibus.

§. 1. Calyce bilabiato.

1. D. CAFFRA Walp. I. c. 742. — *Krylhna Caffra* Thumb. *Prodr.* 120. — DC. *Prodr.* II. 442. no. 13.
2. D. OVALIFOLIA Walp. I. c. — *Enjthna ovalifolia* Hxb. mss. in *Wght. Icon. pi.* I. tab. 247. — Walp. *Repert. I.* ?PS. no. 4.

§. 2. Calyce oblique Imncalo.

3. D. GLAUCA Walp. I. c. — *Erythrina glauca* Willd. *Uerli.* no. 13101. et *Nov. act. n<scr.* *Rerol.* III. 428. — DC. *Prodr.* II. 413. no. 22. — Frutcx *Erythnarum* facie inermis (?) • folia longe peiolnta mfoliolain, foliola uvalin, utrnquo ubiusissimu 3'/4—4'/* pol. lonfja, I^{1/2}—2 poll, lata, integerrima. tenumli omjon, a lateralibus remflori* peliolulato. Indurescencia icrminalis racpmoi»a, lloriln^ sjeptius lernis fascicularis P^{e*} dicellali^ . Peditelli semipollicares. Cdlri rrasce cormceus BemipollicarU obiifl^{ue} truncatus, infra protractus subumlabialis, glandula mngna verrucAformi inframargio^{m, #} Vexillum lonjffissime unguiculaium fere hipollicarf, 14—15 lin. latuin rbombeuca ob*^{um} sum, in unguein longe cunento-aienuaium, enrncum, ercctuin v. reileium. Alae 'A 9^^{ll} longae, ✕ poll. Jniae, ovato-falcatoc, obtusissinjae, basi luieae, apice purpurascetes. carinam Oa^scentem obtusissimam subacquanlg. Stamina longitudine vexilli, iD^l mentis ad longitudincm carinae monndelphis, decimo basin usque libero, e ca/IOA *^{um} gulo fere recto ascondentibus. Ovarium lineari-lanceolatura siipitatum 15—20-0*?'' lalum, 9 lin. longum: stylus cum slamibus ascendens, stigma minute capUoltaM* Legumen (ex H. B. *Kntli.* *Nov. gen.* VI. 342) 8—12- pollicore 8-10- spermum. — Oculaiissimvs Kunih jam dudum (I. c) suspicatus est. hanc plantain sui e>se generic •^d Guadeloupe, Panama.

6667/, m C B O P T E R Y ^ W l p r s
(Wlprs Linnaea XXIII 739)

Calyx campanulatus oblique Iruncatus v. bilabiatus, labns m&gris (orollae papihonaceae vexillum maximum ovato-lanceolatum ecallosum, sub anthesi erectum. Alae minimae squamaeformes a calyce inclusae \ eo parum longiores. Carina gamopetala rostrata, apice Integra v breu^ime bifida, vexillum longiludme subaequans v paullo brevior. Stamina 10, monadelpha, filamentis in vaginam superne fissam coalitis, decimo intordum basin usque libero Ovanum sti pita turn plun-ovulatum, st\lus filiformis longitudine staminum, stigma simplex truncatum Legumen stipilatum conaceum, inter semina torulosum polyspermum, demum longitudinahter dehiscens. — Frulices tropici habitu *Eiythnnarum*

Observ. *Erythnna* L secundum characteres ab ipso auctore constitutos dilfert carina dipetala alisque brevissimis vix calyce longioribus. *Erythrinae* species in botanicorum oppribus hucusque descnptae habitu magis quam caracteribus flons inter se convemunt.

- 1 'M CRISTA GALL I Wlprs I c 740 — *Erythnna Cnsta galh* Linn Mant etc — DC Prodr. II 413 no. 20 — Poiton, Magaz of bot III 175 (c ic) — Sweet, Out (low gard III t 214
- 2 *M LAURIFOLIA Wlprs mss — *Erythnna laurxfoliã icq* Obs HI 1 tab 51 Sweet Brit flow gard tab 142 — A M *Cnsta galh*, quacum hanc *De CandoUe* conjunzit certissime diversu, foliolis ovato-lanceolatis ncutis statim dignoscenda
- 3 M FASCICULATA Wlprs mss — Arborea glabra aculeuta foliolis ovatis subtus glauccentibus pedicellis fasciculatis axillanbus supremis in racemum terminalem (aphyl-lum?) ditpositis, omnibus calyce longioribus calvcis breviter bilabiati labio supenore integro truncato inferiore acuminato vel iridenialo vexillo gemtalia supe^ante carina paulo breviorc alis nanis, filamento vxillan infra infra medium cum caetens conato ovano villoso longe slipitato — *Frythnna fasciculata* Bnth Linnaea XXII. 517 — Crescit in Brasiliae provincia Minas Geraes ad Fazenda do Salido ad Rios,
- 4 *M STRICTA Walp Linnaea XXIII 740 — *Erythnna slncta* Rxb Flor Indie III 251 — Walp Report I 768 no 1 (et III Emend) — Wght et Arn. Prodr I. 260
- 5 *M SUDEROSA Walp 1 c — *Erythnna subei'osa* Rxb 1 c 253 — Walp 1. 1 c c no 2 — Wght el Arn 1 c — *Erylhrma alba* Rxb Ic ined.
- 6 *M SUBLOBATA Walp 1 c - *Erythnna sublobata* Rxb 1 c 254 — Walp I I c. c no 3 — *Erylhrma maxima* Rxb Ic inced. — Wght et Arn 1 c 261
- ? M POEPPIGIANA Walp 1 c — *Eiythnna micropteryx* Poepp Herb — ID Peruvia subandina — Fiuticosa inermis (?) petiolis glabns, foliolis membranaceis orbiculan-ovalibus obtusis v abrupte acuminulatis, utrmque glabernmis, infra glaucetcentibus, nervis vix lenuissime puberulis, flonbua racemosis terms quatermsve subsecundis ver-Ucillatis. calyce tmncato integemmo glandula inframargmah yexillo lanceolato «is-cendente, quam carina falcate, rostrata apice brevis*ime biflda parum longiore, alis cahce vix dimidio longioribus elliptico-ovalibus. etamjnibus \eillum aequaniibus, filamento decimo basin usque libero — Peuolus 4 - pVUHBans, petiolulus folioli trminalis 4-pollicans, laieralium V₄-poUicans, foliola lateralia 4¹/₄ poll J^nga et totidem lnta, termmale seraipedale prope basin 4¹/₈ poll latum Calyx 4 lin longus, vexillum 21 lin longum, 8 lin latum, alae 5 lin longae, carina fere sesquipolhcans Flores coccinei? Legumen non vidi (v s specimen uncum imperfectum in Herb, reg Berolinensi.)
- 8 'M RETICULATA Walp Ic 741 — *Eiythrma leticulata* Prat Symb bot H. 22. t 68 — Walp 1 c. 769 no 9 — Species carina ultra medium biflda insignis H.

Subtribus VI. *WISTERIEAE* Benth.6673. *APIOS* Boerh.

(DC Prodr II. 390 — Wiprs. Repert I 770)

- 1 'A *TUBEROSA* Munch — DC. 1 c — Wiprs 1. c. — Van Houtto, Flora des serres \ p 527 a (c ic. xjlogr)

Subtribus VII. *EUPHASEOLEAE* Benth.6674. *PHASEOLICS* Linn.

(DC Prodr II 390 — Wiprs Repert I 770 II 901 V. 537, Annal. I. 251)

1. *PH (*Drepanospron*) *RETCLUSUS* Benth PI Haitw 11 no 59. — Wiprs Repert. I. 770 no 1 — A Gray, Boston journ of nat hist. VI 170. — *Ph macuiatus* Scheele, Linnaea + XI 465
- 2 PH . . . nov spec mcompl Benth. Plant. Harlw 287. — Radice crassa tuberosa flonbus coccmcis ante foln evoluti* . — In America austrah
- 3 PH *SETULOSUS* Dalzell in Hook Kōw gard misc. II. 33 — Volubili* ramis, petioUs pedunculibque setulis sparsis rufo-brunneis retrorsum hispidulis, foliolis herbaccis glabm rliombeo-ovatis vit acutis, marg-inc ciliolatis, foliolis hitcralibus inaequiktens, stipuhs ovaiis obluMS ciliatis mfa medium adnatis mullincivus, pedunculis folio bie-vionbus, flonbus ratemoso-capitatis, pedicellis bi evissimis geraini* e glandularum basi ortis caljcis glabii oinpinulati labio supenore subintegto truncate inferioic brevissime 3-dentato, dentibu* obtusis, biactcolis ciliolatis lanccolalis caljcem aequantibus, legumine treti stneto gracili setulis minutis scabro, polyspermo bipollican, sennmbus cylinducis 12—13 — In Indiae onctali prov Malwan
4. PH (*SPIENOSTYLIS*) *QUADRIFLORUS* Hochst mss ex A Rich Tent fl Abyss I. 216 — Audice cias&a pcipendiculan perenni ramosa, caulegracili 2—3pcdes longoiolubili subglabro aspero, folus longe petiolaiis, foliolo lermmalis oblongo ovali acuto aut cliipiico-lanceolato, laterahbus valde inacquilatens, glabrib, sed pauhsper aspens, stipuhs o\all-lanccolalis longe acummatis, strntis, basi paulo infra insctionem pio-ductis, pedunculo folus longion valde aspero, opice 1—4-floro, flonbus vix pedicelhtis violaceis oiagms, calycis> campanulati lacinus 5 lanceolato-lineanbus acutis. glabns, vxillo glabro, superne valde arcualo, carina ahsque contortis, stigmata terminali, legumimbus teretibus gracilibus, apice subacutis, 2—2% uncias longis, diametro vix scsquilinean, ferrugineo-biitis, polyspermis — In Abyssimac provmca Cbir>
- 5 PH (*Viaocochley* *SEPIARIUS* Dalzell in Hook Kcw gard misc. II 33. — Yolubili' glabei foliolis submcmbranaceis late ovatis acummalis inucronatis, basi 3-neniis, foliolis laterahbus innequilatens basi subliuncnlis, stipuhs basin versus adnatis ovato-lanceolati^ pedunculis folio subduplo longionbus, flonbus racemoso-capltatis, p6di* cellis gemims e glandularum basi oiis. cahcis lacinus subulalis 3-nervns, labio supenore profunde bidentato, biacteolis sub cañce lineanbus acutis pedfcelli long-ftudine; leguraine tereti stnclo poljspermo piloso, pills bievibus brunneis nilenlibus — Flor*^s rosei — Crescit in Indiae oiienlalis regiombus occidentalibus.
- 6 PH (*Maciopihum*) *DYSOPHYLLUS* Benth Plant Hartw 2:17. — Ramulis pedudcaH<<1^{nc} retrorsum villosa-tomentosis, foliolis OAafis intcgns \el obscure 1—3-lobls, sup^{rf} dense velJhno-villosis, subtus mollissime senceo-villosis, pedunculis longis*101,* aplce interrupte flonfens bracteis brvMSimis, brncleolis subulatis deciduis; caiy<1^{nc} rufo-tomentosi dentibus tubo multo brevionbus — Afflms *Ph. iestito*, *Ph. Schiedeano* c forte *Ph. canescenti* Mart, et Gal Indumentum *Ph. vesliti*, flores quam in illo et *Ph. Schf deano* multo majores et forma foliorum diversa Radix descendens lignosa **Caulis** brevis ramosus semi. <rectus. Supulae parvae Petioll vix semipollicarftf. **lob** 6—9 lin. longa, nunc omma Integra, nunc terminale obscure tnlobum, lateralia **lobo**

latrali auuta. omnia crassa inollia obtusiusoula vel acuta. Ptidunculi seuipedales. Calyces 3 tin. longi, dcnlibus lanceolato - triangularibus acutis vel breviter acurainatis. Legumina ignota. — Crescit in Mexico ad Leon.

f **Icon addenda.**

MI. PERENNIS Walt. (DC. 1. c. 391. no. 8.) — Torr. Flor. New York I. 160. f t. 23.

6675. VIGXA Savi.*)

(DC. Prodr. II. 401. - Wlprs. Reprt. I. 778. Y. 537.)

1. *V. THONNINGH Hook, fl. Niger Flora 311. — *Plectrotropis hirsuta* Schuin.&Thonn.— Wlprs. Reprt* 1. 756. no. 2.
- 7 V. MULTIFLORA Hook. fl. Niger Flora p. 308. t - Nlosula vel glabra: stipulis breviter auriculatis; foliis membranaceis ovato - rbombeis; pedunculis folio longioribus, supra medium multifloris; pedicellis calyco subbrevioribus; calycis late canrpanulati deniibus tubo brevioribus, supremo latissimo integro, laterilibus obtusis, ioflmo angusliorc; carina nuda erostri; leguminibus glabris leviicr falcatis. — Crescit ad litus maris in insula Pernando Po.
3. V. LINEARIFOLIA Hook. fl. 1. c. p. 309. + — Caule volubili scabro vel piloso; stipulis lanceolatis ncuminatis pilosis; petiolis hispidis; foliolis longe lineari-lanceolntis hispidulis transverse rcticulniis; pedunculis pilosis, apice 2—3-lionis; calycis laciniis 5 longo lanceolato-setneeis; legumine densissimo velutino-villoso. — Crescit in Africa tropico oecidentnli (Nigrilia).
- i. V. RETICULATA Hook. fl. 1. c. p. 310. f — Caulc volubili superne foliis pedunculjs-que setosis; slipulis ovato - lanceolatis acuminatis; foliolis anguste ovato-lanceolatis acutis creberrirae transversim reliculatis; ppedunculis apice sub-bifloris; calycis laciniis 5 subulnto-setaccis; logumine vclutino-tomentoso pilis fulvis conspcrso. — Credit in Africa tropica occidental! (Nigritia)
3. V. NIGRITIA Hook. fl. 1. c. p. 310. + — Caule volubili sparse piloso; stipulis ovato-lanceolatis, basi in auriculas duas productis; pctiolis hispidis; foliolis ovato-lanceolatis, utrinque pilosis; pedunculis pilosis folio longioribus, apice mnUifloris; calycis glabii brevius camponulaii dentibus 5 obtusis; legumine glabmo, apice hamato-mucronato. — Crescit in Africa tropica occidental!. (Nigritia).
- ti. V. SCABRA Sonder, LinnnerfXXtll. 32. t — Caule volubili retrorsum piloso, pilis rufescentibus; foliis longiuscule petiolatis trifoliolatis, foliolis pubescenti - scabris, intermedio petiolulato ovalo acuio, lateralibus sessilibus, basi obliquis sublobetisve; pedunculis longissimis senbris, apice bifloris; calycis laciniis lanceolatis tubum aequoatibus; leguminibus (junioribus) reclis rufo - villosis. — Port Natnl*
- * V. TUUEROSA A. Rich. Tent. fl. Abyss. I. 21?. f t. 42. — Radice perenni perpendiculari crassa fusiformi: caule flagelliformi procumbente aut volubili, 2—3 pedes longo tereti subsimplici? criniio-hispido; foliolis ovnli-oblongis acutis, basi rotundatis aut subcordatis piloso-subhUpidis, slipulis elliptico-oblongis acutis siriatis pilosis; pedunculo axillari foliis multo longiori, npice saepius blfloro; calycis tubulosi hispidi laciniis linearibus, supremo apice blflda; vexillo ohtuso emarginato venoso - striato glabro, ualyce duplo longiore; stigmale longitudinali antico; legumine (immaturo) tereti hispldo sericeo ferrugineo. — In Abyssinia.
8. V. CRINITA A. Rich. 1. c. 217. f — Caule ramoso Tolublll tereti 2—3-pedali ferrugioeo-hispido; foliia magnis peiiolatis; foliolo terminall aiajori Ovali-acuminato, basi subcu-nealo, lateralibus basi valde inaequilateralis, utrinque piloso-subhispidis; stipulis lanceolatis acutis crinitis; pedunculo axillari crnfilo fellis longiori, apice 7—8-floro; floribus approzima'tis subsessiUbus, maximis violaceis; oelycis ferrugineo -hispidi laciniis

VIGN D^oc^{L1CH0S} CATJANG Linn. (DC. Prodr. II. 399.) jam ante XII abhinc anooi a me ad AS relatus est (Linnaea XIII. 533.) nee D> A. RICHAJU Tent. fl. Abyss. I. 219,

- lineanbus ennuis \ezillo maximo glabro venoso, superne arcuato ponecto, calyco tnplo longiore stigimte longiudinali legumimbus terelibus angustis sublineanbus bipollicanbus crmito-fenu?ineis — Habitat in Abyssimao prov. Tigreensi
9. V[^]TEROftl\LLA A Rich 1 c 218 f — Radice annua caule erecto ramoso flexuoso, vī[^]olubili pedali tomentoso folus longe petiolatis, foliolis foliorum inferiorum lineanbus aut angusie lanceolatis aiutis, supenorum ovali-oblongis subobtusis, apice mucronatis utnnque pilosis, stipulis ovali-acuminatis a<utlssimis stnatis pilosis, pedunculo aiilkin, petiolum aequante ferrugmeo-tomentoso -setoso. apice 3—5-floro, flonbus violaceis pedicellatis calycis 4-partiti ferrugineo -setosi lacinns anguslis acutissimis, vexillo externe senceo-tomentoso stigmatte longitudinali fructibus divancatis teretibus, Impido-sericeis ferrugineis — In Abyssimae prov Chi re
- 10 V FRUTESCENS A Rich 1 c 218 f — Radice crassa perpendiculari lignosa, caule gracih basi suffrutescente ramoso \olubili, 3—4 pedes alto tereti pubenie folns peliolatis, foliolo teiminali ovali-oblongo obsolete tulobo acuto, lateiahbus maequilatens et externe quasi sinuato-lobatis, utnnque pubenti-tomentosis gnseis, stipulis ovali-lanceolatis acutis tomentosis. pedunculo axillan, Jolio longion. apice 1—4-floro flonbus pallide Molnceis brevissime pedicellatis calycis campanulati tomentoso-sencei 4-fldi lobis tubo aequalibus lanceolatis acutis ve\jillo glabro stigmatte antico longitudinali. fructibus (junionbus) teretibus sublineanbus sericeis — In regno Choa (Abyssinia)
- U V MEMBRANACEA A Rich 1 c 219 f — Caule herbaceo tereti volubili piloso folus longe petiolatdis, foliolo terminali subrhomboidnli acummato, lateiahbus basi valde inaequilatens ttuuiier pilosis, margme ciliatis, tenuiter membianaceis <tipulis membranaceis longis semisagittatis, angulo infeiore obtuso pedunculo axillari. apice 2—3-floro flonbus Molnceis, magnitudine medus vix pedicellatis calycis basi campanulati lacinns 5 lineanbus acutissimis subaequalibus pilosis vexillo glabro, stigmatte longitudinali, legumimbus erectis subteretibus gracilibus, 2—2½ uncias longis glabus, tenuissime tuberculatis, diametro TIX sesquilineam lato — In Abjssinia provncia Chire*
- 12 Y OBLUNGIFOLIA A Rich 1 c 220 f — Caule ramoso volubili subhjsuido tereti. foliolis oblongo - lanceolatis acutis, superne et subtus in nervis appresse pilosis, stipulis >emicordato-lanceolatis acutis nervosis pilosis, racemo 2—4-floio axillan pedunculato, folus longion, colycis 4-lobi lacinns lanceolatis pilosis stigmaic antico linean. Ugumimbus divancatis oblongis sublereiibus sesqmunciam longis, 2'A lineas latis, luspidis — In Abyssimae prov Chire'
- 13 V OPISOTRICHIA A Rich 1 c 220 f — Annua caule volubili gracih lamoso tereti piloso, foliolis oyih-acutis subrhomboidalibus, subtus in nervis maigineque pilosis. stipulis elliptico-oblongis acutis stnatis pilosis peltatis, pedunculo atillan, petiolo <>aopius breviou, apice bifloro, flonbus subsessilibus, calycis quadnlobi lobis brevibus, supenoic multo latioie. vexillo superne valde falcato et apiculato, alis obovali-<uneatw obtusissimis ptanit, cirna aicuata apice elongato-rostrata fnon spu aliter contorta). stigmatte longitudinali unilateral! legumimbus teretibus gracilibus ferrugmeo - set icel* Wiv/iricatis sesquiunciam longis — *Phaseolus opiwtneckus* Hochst mss — In Abjssinia
- 14 V LANCIFOLIA A Rich 1 c 221 f — Caule erecto, non \olubih ramoso. vix ~~pedicellatis~~ tereti piloso, folus petiolatis. foliolis anguste lanceolatis, apice sensim angusuitu ** acutis, superne glabns, subtus pihs raris ngidis appressis conspersis, stipulis lonceO* latis acutis pedunculo communi axillan. peiolo sacpius longion, apice 2—4-QovQ' flonbus luteis bieviter pedicellatis. calycis hirti 4-fldi lacinns lanceolatis acutis, vex!U° amplo, sugmate laterah linean antico, legumimbus teretibus obrtisis, sesquiuncto* longis, vix 2 lineas ldtis, 6—8-spermis, semmibus nigns, nitentibus subgloboso-coB* pressis — In Abyssinia- prov Chiri
- J5 V. LANCEOLATA Dnth in Mitchell, Journal of tropical Australia pag. 348. adnot. ' Glabra volubilis foliolis lanceolatis reuculatis mtegnis vel basi hastato-lobalis, p* ~~dentata~~

culis folio multo longioribus, apice paucifloris calyce glabro campanulato, dentibus tubo brevioribus. canna rostrata acuta — Crescit in Australia orientali tropica
 16 V, SUBERECTA Benth in Mitchell, Journal of tropical Australia pag 388 adnot —
 Loviæ pubescens suberecta ramosissima foliis late lanceolatis, basi integris vel basistatolobatis pedunculis folio subbrevioribus apice paucifloris, calycis pubescentis campanulati dentibus tubo subaequilongis, canna rostrata acuta, legumine puberulo — Crescit in Australia orientali tropica

6675A PEHTTADYHTA mS R. Br.

(R Br in Sturt Exped Centr Austral II App p 76)

Calyx 5-fidus subaequalis vexillum explanatum, callo baseos laminae in uugum decurrens Carina obtusa, basin versus gibba, longitudine alarum Stamina diadelphea, antheris 5 majoribus hnearibus, requis ovatis Ovarium polyspermum Stylus e basi arcuata prolectus, postice barbatus. Legumen compressum. — Herba (suffrutex sec D. Sturt), bipedalis senecio-incana caule angulato erecto Folia ternata, foliolis sessilibus, hnearibus obtusis Flores racemosi flavi

1 P INCANA R Br 1 c — Herba erecta ramosa sericeo-incana Folia alterna lernata, petiolo elongato tertiario, foliolo terminali longiore vniunciali Racemi multiflori erecti, pedicelli subaequantur caucem Bracteolae subulatae, infra apicem pedicelli, basin calycis obtungentes Calyx 5-lobus, lacini acuti tubum aequantibus Corolla flava, calyce plus duplo longior Vexillum explanatum, basi absque aunculis sed callo in unguem decurrenti ibique barbato auctum Carina infra medium gibba proreceptione baseos stylis Staminibus antheris majores lineares, basi vel juxta basin affixae 5 numerores ovatae, incumbentes Ovarium lineare, pubescens Stigma terminale, obtusum Legumen immaturum incanum, stylo e basi arcuata prorecto terminatum, calyce subemarginato subtensum — In Nova Hollandia centrali

6676. DOIICHOS Linn

(DC Prodi II 397 sect 1 - Wiprs Repert I 779 II 901 \ 5⁹, Annal I. 252)

- 1 D DEBILIS Hochst mss ex A Rich Tent 11 Abyss. I 223 — Caule gracili volubili piloso, foliis longo petiolatis, foliolis parvulis ovali-acuminatis, subulso tenuibus, margine cillialis, subulso pilis quibusdam conspersis, stipulis lanceolatis, pedunculo giacili axillari, folus brevioribus — multifloro glabro, calycis campanulati laciniis 4, supenore latiore, sligmate terminali, legumimbus compressis, faltato-arcuatis acutis pulverulentis, margine subincrassatis 4—5-spermiis — In Abyssiniaepiove Lhire'
- 2 D FORMOSUS Hochst mss ex A Rich 1 c — Caule volubili ramoso lereti subuloso foliolis ovali-oblongis acutis puberulis* stipulis ovali-lanceolatis acutis senceis, racemo axillari pedunculato 3—4-floro, flonibus coeruleis, calycis campanulati sencei bilobiali labio supenorio simplici latione acuto, lobis inferioris triparli laciniis lanceolatis acutis vexillo aimplo latione quam longo obtusissimo, canna acuta, legumimbus 3—4 uncias longis comprassis, 4—5 hnearis lalis, apice obtusis et stylo acuminatis appresse velulino-tomentosis luteolis — Habitat in Abyssinia prov Chird
- 3 D ? MITIS A Rich 1 c 224 — Caule volubili firmo lereti pubente, folus longe petiolatis, folio terminali late ovali subrhomboidali acuminato, lateralibus basi valde mequilateralibus, piaesertim subulso, puberulis, stipellis hnear-lanceolatis, racemo 3—4-floio folus subbreviore, flonibus, legumimbus compressis 4—5 uncias longis acutis, luteo-senceis, appresse tomentosus. calyce deciduo semibus ovoideo-compressis — Habitat in regno Tigrid circa Adderballi
- 4 D STENOCARPUS Hochst mss ex A Rich 1 c 224 — Caule volubili subulabro, foliolis ovali-oblongis aut ellipticis longe acuminatis glabris, lateralibus vix basi inaequilalens, stipulis lanceolatis acutis, racemo axillari longe pedunculato, 3—5-floro, folus longior calyce bicu ampliato cupulacfoimi obsolete 4-lobo, lobis obtusis

- glabri* leguminiibus compressis angustis. incrassato-marginatis, stjlo persistente
 Ommatis globns, 3—5 uncias longis, 2—3 lineas lads — Habitat in Abjssmia.
- > D RETICULATIS Hochst mss in A Rich 1 c 225 — Caule herbaceo volubili
 tLicti, MX pubenu foholis o^ah-oblongis, longe acuminatis glabrm subtus tenuiter
 letdthio-^enosi-> siipulis lanceolatis acutis stuatis racemo axillan folium sub-
 acquanie b—8-IIoro, flonbus uolaccis sat longe pedicellatis, pedunculo, pedicelli*
 t.il(cLijie pubenii-glindulobi^1) cahcis lacinnis lanceohtis, lineanbus, infenon mullo
 longion sligmate icrmiralj]c,^imimbus — In Abyssimac provmcia Chird
- b I) DAL TOM Webb m Hooker, ISigor Flora p 125 — Caule annuo gncillimo \olubih
 pjlis patntibus mollibus biricello stipule oblongis acuiis nenosis ptdicellis elongaus
 gailihus pilosis foliolis. elliptico-obliqms acuiis appresse pube*cenibus, dcmm
 claims ulialis, siipellis 2 minimi* fliflorinibus munitis braclcis fliformibus basi dila-
 n is flonbus 1—2 in axillis folioium podunculo brevissimo insidentibus caljcis tubo
 b\oM harms elongatis fliformibus ciliaiis legumimbus compressis falcatis (imma-
 tuns) pilosulii* 4—5-spermis, scmimbus plants nigns — Crescit in pascuis ins. S
 Jicubi et insults (apitis Wulis

6677 L.%BLiAB *Adans*

(DC Prodr II 401 - Wlprs Repert I 781 V 539)

- 1 I rh\AMJb Scheelc Linnaea X\I 407 f — Caulis \olubilis ramosissimus teretius-
 tulut> dense pubesctns Stipulae lanccoloto-subulalae Folia pciiolata tnfoliolata:
 fuliola siipellaia petiolulata o^alia uninervia ^enosa integrnma emarginata, supra
 appicsse puhciuli, subtus pallidioia tomentosa, suramum longius, infenora brevis
 pttiolulun, stip lae subulatac Riccnu axillarcs bun pauciton, pedunculi folium
 Aiv aequantes dense pubtsrenics Floies pedicellati, pedicelli caljce breviores
 (t1\\ Limpinulato-lubulObus bilabiatu quadufldus hiisutus labium supeiUSintegrui,
 inttrms tnUdum bniuae Innceolato-subuhtae, tubo longiorcs superior lalior e dua-
 Jms coahits constans (orolla calyceni superans, 4 petala longitudine acquaha vexil-
 luni subrotundum basi sulcatum, alao anguste oblongae, canna npicc dorso convexa
 obtusa Stamina diadelpa (9 ol 1), decimo vxillo incluso, anlhcrac o\ ill - oblongae
 IKP inarginDno Stvlus compressus infpuxus hnsi bnrhatus, npico nudus stigma
 uncinnum. ^oguincn (immniuuium) conliiiuuiin hivulvo liuearo faltotuin polyspermum
 M mo-coinpiLssum luim nlosuni atiKtum od sutuias tubeiculato-muneatum —(resell
 in Ti xn prope Neubraunfts

6678. SPHEHTOSTTI.IS *E Mey.*')

(Wlprs Report 781)

- I STH ANGUSTIFOLIA bonder. Linnaea XXIII 33 f — Caule iaimsque eircto-patuJis
 submgulatis glabns pubescentibusvc folns petiolaiis lufoliolaiib. supulis porvis o>ato-
 uuminatis, foliolis aequalibus lanceolalis nuitronatis glabns mtermedio peiolulato.
 <ipealf> sululiitis podunculis axillaiibus clongatis bi-(ranus plunflons, leguroim-
 NC) lineanbus mnrginaiis ghhns stjlo peusieme terminaas. — Port Natal

Subtnbus VII CAJANEAE Bnth.

6685. F%GKiiI\ *Neck.*

(DC Prodr. II 389. - Wlprs Report I 782 V 5J9)

- 1 F RESINOSA Hochsi mss ex A Rich Tent, fl Abyss j. 226 — Caule basi suffruies-
 cente, ramis teretibus pubontibus glutinosis, foliolo teiminali late ovali, apice acumi-

1) Cf pag. 426 Gen 6674 no 4

natOt bati lubcuneato 3-nemo, lateralibus valde inaequilateril, praeiemiQ suirtus pubtntibus, raceme uitlanbus folia nequaniibus aut paulo superantibus mulnfloris. calyce subvesiculosolomenioso-glutinoso, corolhm aequante, lacinus angustus Unea-ribus acuus. infenore caetens paula longiore, legumjnibus . ? — Hafcuat in Abyssinia.

6686 CAJAISUS DC.

(DC Prodr II 406 — Wlprs Repert I 782 V 539)

- 1 G KDLNENSIS Dalzell in Hook Kew gard misc II 264 f— Herbaceus canle volq-bili filiformi, pilis fulvis piuilis pubescenie loins teinaiim tnfoliolntis, follolis rhomboldeo-ovatis breviter ucummaiis, supra mmuie scabndis, subtus pubescenlibus el glandulis cerinis conspersis LUeralibus valde inaequilatens, stipulis ovalis acuminatis ciliaus, stipellis setaceis, racemis axillanbus pauci-(6)-flous folia subaequantibus legummibus hnean-oblongis basi apiceque angustatis pilis longis mollibus viscidis* vesIUls 9-speimis inter semina oblique conslnciis — Foliola 2 poll longa, I¹/_{*} poll lata — Habitat in India orientali in prouincia Warrce prope vicum Kulna.
2. C GOENSIS Dalzell I c 265 f — Toius corolla ezceptd pilis fulvis mollibus viliosus caule \olubili fo'us pinmnlm tnfoliolatis, foliolis ovoto-rotundaiis breviter acuminatis, subius glandulis cerinis conspersis, lateralibus valde inaequilatens, stipulis triangulanbus acuminatis, stipellis seiaceis, racemis atillanbus et terminalibus peduoculaus muliinons, folio duplo — triplo loogionbus, legummibus onimno ui in praecedente — Foliola fore bipollicana, to lid em lato. — Habitat in Indiae onentalis provlncla Goa

6686A IIELTCOBICTYOW Dalzell.

(Dalzell in Hook Kew gard. misc II 264)

Cal>x bibracieolatus campanulatus bilahialus, ad medium 4-fidus, labio supenore mlegro mucronalo, inferions tnpartiti lacinnis lanceolatis, intermedia paulo longioie Coiollae peiala aequilonga, calyce duplo longiora Vexillum obo\alum ecalJosum, bieve unguiculatuin, sub anthcsi reflexum Alae rectae oblusae. Cannafalcata. Stamina 10, filamenlo vexillan hbero, dudelpha, subaequilonga, antheiae conformes Ovanum sericGO-iomentosum, umloculaie, 4—5-ovuIatum Stylus adscendens, glaber, filiformis, peialis longior. Stigma acutiusculum, stylo haud crassiUS. Legurnen hnearc mucionalum compressum, 4—5-spermum, inter semina lineis transversis obhquis conslntum. Semina ovalia, approKimata, su^compressa quodcunque semen membrana tenui hyalina ^estitum, umbilico avail, estrophiolato. — Herba volubilis: e radice lignosa caulibus plunmis fihfoimibus, foliis puinatim Infololatis, foJiolis hnean-oblongis obtusis mucronulatis albo-reliculatis, btipuhs parvis setaceo-acuminatis, floribus a\illanbus in pedunculo brevi solitams vel bini^> purpureis, legummibus adpresse stngosis.

1 * L MALVENSIS Wlprs. mss — Habitat in Indiae onentalis pro\incia Mai wan

Sub t rib us IX. RHYNCHOSIEAE Bnth

6691. SRIO9BHEA DC.

(Rhynchosiae J 3 DC Piodr. II 388 — Wlprs Repert I. 784 II 902 V 540)

- *. E LONGEPCDUNCULATUM A Rich Tent 11 Abjss I 226 - Caule erecto ramMO rufo-pubente, foliis 3-foliolaiis eihtpico-oblongis obiusis, breviter petiolulatis, praeserum subius rufo-pubentibus, subtus ner\o\$js. nervis approximatis sUparallclis, supulis ofoli-oblongia, aculii, racemis simpheibus deasis, 8—12-flons rufo-sericeis

1. *axillaribus*, longissime pedunculatis; leguminibus ovoideo-oblongis acutis, rufo-sericeis, [dispermis. — *Rhynchosia longepedunculata* Hochst. mss. — In Abyssinia prope Adoua.
2. E. TUBEROSUM A. Rich. 1. c. 227. — Radice tuberosa ovoideo-acuta carnosa; caule erecto siraplici pedali; foliis subsessilibus trifoliolatis, foliolis breviter et subaequaliter peltulalibus magnis elliptico-oblongis acutis, superne glabriusculis, subtus albido-sericeis; racemo elongato multifloro denso, vix pedunculato; leguminibus ovoideis albido- aut rufo-sericeis. — *Rhynchosia tuberosa* Hochst. mss. — In Abyssinae prov. Tigrensi.
3. E. CORDIFOLIUM Hochst. mss. ex A. Rich. 1. c. — Radice perpendiculari tuberosa conica aut napifonni carnosa: caule a basi ramoso pedali et ultra; ramis terilibus pilosis diffusis; foliis simplicibus vix peltulatis cordatis oblongis acutis, basi nerviis, praesertim subtus in nervis subferrugineo-pilosis, stipulis ovali-oblongis acutissimis striatis pilosis; floribus parvulis, racemum brevem ovoideum parvum densura pedunculatum axillarem folio brevioribus effonantibus; calycis laciniis inaequalibus linearibus piloso-ciliatis, corollam aequantibus; leguminibus ovoideo-compressissimis 2-spermis pilosis obtusis; seminibus ovoideo-compressis oblongis mgris. — In Abyssinia circa Adoua.
4. E. RADICOSUM A. Rich. 1. c. 228. — Radice crassa lignosa ramosa perpendiculari; caule ima basi suffrutescente ramoso flexuoso non volubili dense piloso ferrugineo 1—2-nodis nullo; foliis trifoliolatis peltulatis, foliolis elliptico-oblongis acutis, lateralibus basi parum inaequaliter, praesertim subtus pilosis; stipulis linearibus acutis dense pilosis; floribus parvulis; racemo pedunculato axillari, folium subaequante; calycis dense ferrugineo-sericis laciniis semiovalibus acutis; petalis calyce duplo longioribus sericeis; leguminibus oblongis acutis compressis dispermis sericeis. — In Abyssinia.
5. E. SPICATUM Hook. 111. Niger Flo/a pag. 313. f — Molliter rufo-pubescentem vel glabrescentem; caule suberecto; stipulis liberis lanceolatis vix acuminatis; foliolis elliptico-ovatis obtusis; pedunculis folio pluries longioribus, apice racemum spigiformem ferentibus; floribus reflexis; bracteis minimis; calyce obtuse quinquefidulo; legumine oblongo-obovato rufo-tomentoso. — Crescit in Sierra Leone et in Senegambia.
6. E. PODOSTACHYUM Hook. fl. 1. cit. pag. 314. f — Caule erecto piloso vel glabrato; stipulis liberis lanceolatis; foliolis ovatis acutis vel obtusiusculis puberulis vel supra glabratis; pedunculis folio pluries longioribus puberulis, apice racemum spiciformem ferentibus; floribus reflexis; bracteis lanceolato-subulatis; calycis quinquefidulo dentibus late ovatis acutis; legumine patentem sericeo-piloso. — Crescit in Africa tropica* occidentali (Nigritia).
7. E. GUEINZII Sonder, Linnaea XXIII. 34. f — Caule flexuoso angulato helvolo-piloso, pilis patulis; foliis trifoliolatis (rarissime unifoliolatis) breviter peltulatis, stipulis ovatis acuminatis, foliolis pubescens ovatis, intermedio sublaliore longius peltulato; racemis multifloris longe pedunculatis folia duplo triplo superantibus; floribus retrorsum imbricatis. — Habitat ad Port Natal.
8. E. LONGIFOLIUM Benth. Linnaea XXII. 519. + — Caule suberecto piloso; foliolis 1—3-nis lineari-lanceolatis pilosis; stipulis concretis oppositifoliis peltulato longioribus; racemo terminali ovalo dense multifloro; calycis laciniis longe subulato-acuminatis, corolla paulo brevioribus. — Habitat in Brasilia.
9. E. STIPULARE Benth. 1. c. — Caule suberecto piloso vel glabrato; foliolis subternis lineari-lanceolatis, pilosis vel glabratis, stipulis concretis oppositifoliis peltulato longioribus; racemis axillaribus terminibusque subsessilibus laxe 2—3-nis; calycis laciniis lanceolato-subulatis dimidia corolla brevioribus. — Crescit in Brasilia ad Saff Izidro et in provincia Mato Grosso.
10. E. HETEROPUYLLUM Benth. mss. in Linnaea XXII. 520. — Piloso-pubescentem vel demum glabratum: caule prostrato; stipulis lanceolatis, novellis ultra medium COD* cretis, foliolis solitariis brevissime peltulatis cordato-ovatis oblongis sublanceolatis pedunculis folio saepe longioribus, apice breviter racemoso-plurifloris; bracteis ovalo-

- lanceolatis: calycis laciniis lanceolato-subulatis, tubo suo longioribus, vesillum dimidium aequantibus, infima lengiore subulata. — Crescit in Brasiliae provincia Minas Gerae.
- U. E. *BENTHAMIA* Mart. mss. ex Brith. 1. cit. *ML*. f — Fruticosum divaricato-ramosum. vchldulo-piibescens: stipulis ovatis concretis caducissimis; foliis solitis breviter petiolatis subcordato-ovatis racemis (axis paucilloris, folia demum supfertintibus; bracteis ovalo-lanceolatis; calycis laciniis lanceolatis acuminatis* tubo suo longioribus, vexillo dimidio brevioribus. — *E. cordifolium* Brillh. — Crescit in Brasilia.
12. E* *RIFICULATUM* Bmh. 1. cit. 521. f — Caule erecto? ramoso adpresse pubescente; stipulis lanceolatis, novellis concretis; foliolis solitariis brevissime petiolatis cordato-ovatis obtusis mucronatis coriaceis, supra glabriusculis, subtus pubescentibus reticulatis; racemis plurifloris; calycis laciniis lanceolatis, vexillo brevioribus; alis carina brevioribus. — Crescit in Brasilia.
13. E. *RIGIUM* Bnth. 1. c. 522. f — Pubescens vel superne sericeo-pilosum; omile erecto? rigidum; stipulis longe lanceolatis concretis vel demum solutis; foliolis solitariis brevissime petiolatis cordato-ovatis acutis coriaceis reticulatis; racemis densis sericeo-pilosissimis subsessilibus folio brevioribus; calycis laciniis subulato-fuscimatis, vexillum dimidium aequantibus. — Crescit in Brasilia inter Carumba et San Marco*.
14. B. *ptAWICM* Mart. mss. ex Bmh. I. oil. 582. f* — fructum. pilis raris a pressis Jhescent vel labralumt stipulis lanceolatis reflexis; foliis tribus oblongis reticulatis trinerviis; pedunculis folio brevioribus, apice late et breviter racematis; bracteis lanceolatis persfeten subaequantibus; calycis laciniis laticeolatis tubo suo aequilongis, vexillo ter brevioribus. — Crescit in Brasiliae provincia Minas Gerae ad Caldas.
15. E. *RidDCLII* Bnth. I. cit. 52. f — Erudum rufum-pubescentem et patem pilosum: stipulis liberis caducis, foliolis 3 ovatis obtusis mucronatis reticulatis, supra pilosulis, subtus incano-pubescentibus, nervis rufo-torricosis; pedunculis longe racemosis dissitillis; calycis laciniis lanceolato-stibulatis, vexillo dimidio brevioribus, infima paulo longiore, alis carinam subaequantibus. — Crescit in Brasilia in catiptis siccis ad Rio Pardo.
- IB. *t. LOFGIFLOfuto* Bnth. 1. c. 123. f — Erectum undique rufo-pubescentem subviscosum: stipulis liberis caducis; foliolis tribus ovatis obtusis vel acutiusculis mucronatis rugosis; pedunculis longe racemosis dissitillis; calycis laciniis lanceolatis, vexillo brevioribus, infima longe subulato-acuminata: alis carina paulo brevioribus. — Crescit in Brasilia ad g'n Pedro d'Alcantara, Rio d'Ourada et Parahybura.
- H. E. *FLORIBUNDUM* Bnth. 1. c. 524. f — Caule erecto dense albo-piloso vel tomenioso: stipulis lanceolatis concretis vel demum solutis; foliolis 3 obovatis oblongisve acutiusculis coriaceis, supra appresse pilosulis, subtus sericeo-pilosis et reticulo-vetfossissimis; racemis brevibus ad apicem caulis confertis multifloris pilosissimis; calycis longe pedicellatis laciniis subulato-acuminatis, vexillo dimidio brevioribus; alia oblongis carina brevioribus. — Crescit in Brasilia inter Columbio et Barreros.
- *8. E. *DEFOLIATUM* Bnth. 1. c. 524. + — Caule erecto 1-2 pedibus apyllo; stipulis oblongis subconcrevis; racemis elongatis confertis laxè multifloris pilosissimis; bracteis ovatis caducis; calycis laciniis, «ubulatis» acuminatis, vexillum dimidium aequantibus; «» carina multo brevioribus. — *E. polystachyum* Bnth. mss. (nee E. Mey.) — Crescit in Brasiliae provincia Minas Gerae.
- ¹⁹ E. *PRUREPENS* Bnth. 1. c. 524. f — Prostratum, pilis longis rufis dense barbato: stipulis ovatis tomentosis foliolis 3 oblongo-lanceolatis, utrinque dentatis 3-5 nerviis; pedunculis folio longioribus rufo-barbatis, supra medio-lanceolatis; calycis laciniis subulato-acuminatis, vexillum dimidium superaequantibus. — Crescit in Brasilia in Serra Uruhu.

6692. RHYTCHOSI. % DC.

(DC. Prodr. II. 384. [exd. §. 3J — Wlprs. Reprct. I. 785. V. 540, Annal. I. 252.)

1. RH. (COPISMA) SUDSERICEUM Sonder. Linnaea XXIII. 34. f - Caulibus procumbentibus terctibus pubescentibus; foliis longe petiolatis, stipulis ovntis acuminatis, foliolis ovato-oblongis obtusis mucronalis, supra glabns, sublus subsericeo-incanis, stipellis subulalis; racemis folium aequantibus paucilloris; bracteis acuminalis caljee subsericeo triplo brevioribus. — l'ojt Nnlal.
2. RH. (GLYCINE llochst. mss.) ELEGANS A. Rich. Tent. II. 'Abyss. I. 228. — Caule volubili ramoso sulcalo subpubente; foliohs lateralibus oblique ovali-acuminatis, basi sublruncatis, superne glabris, subttis reticulatis pubenlibusque, siipulis ovali-oblongis lanccolaiis striaiis pubentibusque; racemis 6—20-lloris ttrrnalibiH glanduloso-pubentibus; floribus magni* variegalis; calycis luciniis innequalibus lanceolatis angustis, inferiori mnjori, corollam fere aequnnii; vexillo luteo glabro, venis purpureo-violaccis crebris reticulato, alis luteis obtusis basi tanium purpureo-venosis, carina apice acuta et violacea; leguminihus compressis falciformibus acutissimis, reticulatis pubentibus 2-spermis. — In Abyssinia prope Adoua.
3. RH. FERRUGINEA A. Rich. I. c. 229. — Caule volubili villosa-tomentoso; foliolis lateralibus ovalibus, basi inaequilateris et obtusissimis, apice obtusis mucronulatis. praesertim sublus pilosis, terminali ovali aculiusculo mucronulato, stipulis linearilanceolatis acutis ferrugineis tomentoso-villosis; racemis nullifloris axillaribus, folto, longioribus longe pedunculatis; floribus (magnitudine mediis) luteis purpureo-venosis; calycis dense piloso - ferruginei laciniis linearibus acutissimis distinctis, corollam aequantibus; corollae vexillo obovali-obtusulo luteo, venis purpureis approximalis reticulato glabro; alis obovali-oblongis angustis obtusis carina oblusa subbrevioribus; lrguminihus. . . .? — In Abyssinia prov. Ouodgerate.
4. RH. STIPULOSA A. Rich. I. c. t. 43. — Pubescens: caule ramoso volubili tereti dense pubente; foliolis ovali-suborbicularibus acutis, basi subcordalis, lateralibus basi inaequilateris, subtus dense pubentibus, stipulis ovali-oblongis foliaceis acutis, dense, pubentibus; racemo multifloro axillari longe pedunculato; calycis hirti basi campanulato-tubulosi limbo bilabiato, labio superiore iridentato, inferiori8 duplo longioris lacinia lanceolata acuta (coalitione intima duarum laciniarum formata) corolla brevior: vexillo dense pubente obliquo striato; carina angusta oblusa; leguminibus compressis oblongis apice longe acuminalis, saepius dispermis, pilis luteis numerosis obtectis. — In Abyssinia prov. Clire*.
5. RH. CONFERTIFLORA A. Rich. I. c. 231. - Caule erecto ramoso angulato ferrugineo-tomentoso: foliis imparipinnatis, trifoliolatis, breviter petiolatis, foliolis magnis, ovalibus aut obovalibus acutis, superne nisi in venis hirtis, subtus reticulato-venosis, (& ferrugineo-tomentosis; siipulis lanceolatis acutis, setosis; racemis axillaribus densifloris brevissime pedunculatis: floribus numerosissimis subsessilibus bractea lanceolata fl. ca. tissima suffulsi; racemis superioribus nudis (foliis evanidis) et racemum compositum fere pedalem cfTormantibus; calycis basi campanulati hirti laciniis lanceolatis acris subaequalibus, suprema bifida (e duabus coalitiis elTormata); vexillo elongato obovato glabro, alis carinae angustis vexillo brevioribus; ovario setoso subbiovulato; IW mine. . . .? — In Abyssinia.
6. RH. POLYSTACHYA A. Rich. I. c. tab. 44. — Caule erecto ramoso tereti subangulato rubiginoso-tomentoso; foliis brevissimae petiolatis imparipinnatis trifoliolatis, foliolo terminali subsessili, foliolis oblongo-ellipticis sublanceolatis acutis, utrinque pubescentibus, subtus in nervis rubiginoso-tomentosis, stipulis lanceolato-linearibus acutis striatis tomentosis, petiolum superantibus; racemis densifloris multiflorisque, axillaribus longe pedunculatis, rubiginosis; calycis campanulati hirti laciniis 5 subaequalibus. duabus superioribus vix coalitis lanceolatis acutis, lateralibus brevioribus. inferiori longiori et angustiori; vexillo glabro angusto longe unguiculato: alis carinae angustis, fere longitudine vexilli; legumine parvo compresso. obovalo, mucronato. . . .? - hi J&ivW

7. »RH. MINIMA Guill. ft Perr. — DC. Prodr. II. 385. — A. Rich. Tent. fl. Abyss. I. 230. — *Rh. nuda* QC. I. c." — *Glydne rhombea* Schum. ft Thonn. — Wlprs. Repert. I. 760. no. 7.
- tt. RH. BOCANDEANA B. Webb in Hook. Kew gard. misc. II. 345. — Caule tereti retrorsum piloso; foliolis amplis coriaceis viridibus, utrinque pilosulis, sublus reticulatis, eglandulosis, lateralibus inaequilateris subtriangularibus, basi cuneatis, impari rhomboideo; stipulis parvis pilosis; racemis axillaribus 2—3 ex eadema axilla, simplicibus, folio duplo triplove longioribus; floribus remotis; calyce hirsuto bilabiato, labio superiore bidentato, inferiore trifido. laciniis lanceolatis aculis, infera angustiore longiore; corolla decidua, vexillo extus hirtello eglanduloso alas excedente; Legumine juniore acinaciformi pubescente dispermo. — In insula Gorgona.
- y. RH. DEBILIS Hook. fl. Niger Flora pag. 312. + — Prostrata vel volubilis pubescens: stipulis parvis ovato-lanceolatis acuminatis subulatisve, foliolis membranaceis rhombico-orbicularibus abrupte acuminatis, lateralibus inaequilateris: racemis axillaribus densifloris, petiolo nullo brevioribus; bracteolis lineari-lanceolatis pedicello longioribus; calycis laciniis lanceolato-subulatis, infima elongata; legumine patentim piloso rufo. — *Dolichos debilis* Don mss. — *Glycine macrophylla* Schum. ft Thonn. — Wlprs. Repert. I. 760. no. 9. — Crescit in insula St. Thomas.
10. RH. AEQUINOCTIALIS Duchass. et Walp. Linnaea XXIII. 743. f. — Caule angulato volubili, petiolis foliisque subtus virenti-velutinis; foliis pinnatim trifoliolatis, foliolis rhombico-ovatis acuminatis v. obtusissimis, supra adpresse puberulis, infra reticulatis velutinis; racemis axillaribus folio longioribus multifloris; calycibus corollam duplo triplove superantibus: leguminibus leniusse velutino • puberulis v. demura glabratis, dispermis. — Proximo accedit ad *Rh. reticulatam* DC. Prodr. II. 385. no. 13, cui habitu characteribusque simillima. est, differt tamen racemis semper (ex schedis cl. Duchassae, qui plantam vivam observavit) folio longioribus et corollis calyce duplo triplove brevioribus. — Habita in insula Guadeloupe.

6692b. ARCYPHYLLUM. Elliott.

(Elliott, Journ. acad. Philad. 1818. 371. — Wlprs. Repert. I. 789.)

1. A. LEUCOPHYLLUM Benth. Linnaea XXII. 525. f. — Erectum incano-sericeum; stipulis parvis deciduis, foliolis 3 subsessilibus late ovatis obtusis, subtus albo-tomentosis; racemis breviter pedunculatis ovatis multifloris; calycis laciniis lineari-lanceolatis, corollam superantibus. — Crescit in Brasiliae provincia San Paulo.
2. A. CAPITATUM Benth. l. cit. 525. f. — Erectum hirsutum pilosum: stipulis oblongo-lanceolatis foliaceis, petiolis elongatis; foliolis tribus late ovatis vel orbiculatis viridibus pilosis; racemis breviter pedunculatis subglobosis multifloris; calycis laciniis oblongo-lanceolatis foliaceis, corollam aequantibus. — Crescit in Brasiliae provincia Minas Geraes.

6697. IXSIMIVOA Roxb.

(DC. Prodr. II. 351. — Wlprs. Repert. I. 790. II. 902, Annal. I. 252.)

- FL. TUBEROSA Dalzell in Hook. Kew gard. misc. II. 34. f. — Perennis radice tuberosa, e basi ramosa prostrata: ramis ramisque parce patentibus pilosulis vel glabris tongissimis niformibus; foliis trifoliolatis, foliolis anguste lanceolatis acutis eglandulosis, subtus in nervis pilosulis, marginibus recurvis, lateralibus inaequilateris, petiolo piloso foliolis paulo brevioribus, stipulis lineari-subulatis basi connatis caducissimis; racemis axillaribus dichotomo-paniculatis paucifloris folio longioribus; floribus geminis in apice pedunculi niformibus subsessilibus; ovario pubescente biovulato: legumine glabro calycem pilosum aequante. — Habitat in Indiae orientalis provincia Malwan,

Tribus VI. *DALBERGIEAE* DC.6700A? *MEIADBNI.* % *Turczan.*

(Turczan. Flora IB. Z.] XXXI. 709.)

Calyx subbilabiatus profunde quinquedartitus, laciniis acuminatis, infima longiore. Corollae vexillum cuneato-obovatum, sensim in unguem angustatum ecallosum, alas carinae adhaerentes illamque aequantes superans, carina subfalcata, petalis dorso concretis. Stamina decem diadelpa, filamentis vexillari libero. Ovarium sessile uniovulatum, stylus filiformis glaber, stigma capitellatum. Legumen intra calycem inclusum breve iflonospermum, semini arete adhaerens evalve. Semen estrophiolatum. Cotyledones crassiusculae, radícula incurva. — Frutex pubescens ramosus: foliis simplicibus ovato-lanceolatis, integerrimis, obtusis mucronulatis penninerviis, supra glabris nigro-punctatis, subtus stellato-tomentosis; spicis axillaribus densis, non procul a basi floriferis, foliis brevioribus, stipulis setaceis; floribus pedicellatis bracteatis rubris calycis dentem inferiorem non excedentibus; calycibus sericeis bracteisque hirsutis punctatis. — Genus pluribus characteribus et habitu, folia simplicia praetermissa *Flemmingiae congestae*, laminae legumen indehiscens ad *Dalbergias* spectat. Nonne glandulis nigris, in superficie superiore foliorum et bracteis dispersis atque in calyce occurrentibus desumtum.

1. *M-Turcz. 1. c. 740. — In fapulis Philippinis Linn. Qp Pa nay.

6700/la *OSTRYOCARPUS* Book. pi.

(Hook. fl. Niger Flora pag. 316.)

Calyx breviter campanulatus, basi contractus, ore obscure quinque-dentato. Vexillum late rhomboideum, ungue brevissimo lato, glabrum recurvum. Alae vexillum aequantes, oblongo-cultriformes, basi hinc auriculatae, ungue gracili. Carinae pedalis conformia. Stamina decem diadelpa, antheris ovatis. Ovarium sessile sericeo-pubescens uniovulatum, stylo glabriusculo filiformi apice stigmatoso. Legumen orbiculare piano-compressum, coriaceum, margine seminifero incrassato canaliculato, abortu monospermum. — Frutex sarmentosus: foliis imparipinnatis; floribus paniculatis.

1. *O. RIPARIUS Hook. fl. 1. tit. 316. f — GespU io Sierra Leone oi Ferantfo Po.

6703. *HSCASTOPHYLLI* Knth.

(DC. Prodr. II. 420. — Wlprs. Repert. I. 792. V. 541, Annal. I. 253.)

1. *H. BENIHAMIANUM Miq. — Wlprs. Repert. V. 541. no. 1. - Miq. Sjirp. Surioam. select. 20. - f tab. 5.

6705. *PTEROCARPUS* Linn.

(Pterocarpus sect. 3. 4. DC. Prodr. II. 418. 419. — Wlprs. Repert. I. 793. Annal. I. 253.)

1. f T. ABYSSINICUS Hbchst. mss. ex A. Rich. Tent. fl. Abyss. I. 233. t. 45. - P f foliis 2-3-jugis. foliolis ellipticis aut elliptico-oblongis obtusis, superne glabris. reticulatis et oculo armato dense pubescentibus; floribus lappatis pedicellatis et azillares graciles, folio saepius breviores efformantibus; calycis campanulatis.

dtntftua tatja aubapujit. marg'roe ciliatis; kgumju'bus compress wltus am fub-orbjpdaribus, pne-jo tumldis rttficalis, glabriufculi*. — *Mher^ praecax* Hochst. mas. ^ In A. ~~ppj pi.~~

6705A. **PHLENOPTERA** Hochst.

(Hochst. mss. ex A. Bjch. Tent, fl. Abyss. J. 232.)

„VpjsinQ par le port (Ju Pterocarpus Abyssinicus, en differs eufin par ses fruits bien differentsI”

1. f H. SGHIMPERI Hochst. pis?, ex A. Rich. Tent. 11. Abyss. I. 232. — Caule frutescente 5-pedall; foliis imparipinnaiis, saepius bijugis, foliolis oppositis petiolulatis ellipticis acuminaiis aut obovalibus juugronulatis coriaceis, reticulato-venosis, praesertim in oervjs subius superneque pubentibus, petiolis petiolulisque deqse griseo-pubentibus; panicula terminalis pyrQ^nidala Vamoşa griseo-pubeote; Qorjbus pe^icellatis saepius ad basin caljcis bibracleolatis; calycis turbinati griseo-sericei dentibus obtusis; petaiorum unguibus calyce brevioribus; leguminibus lanceolatis, apice basique acutis 2 — 3 uncias longis, sesquiunciam lalis glabris 1 — 2 - spermis. — *Dalbergia Schimperiona* Hochst. mss. — In Abyssinia ad fluvjum **Taccag.**

6710. **MACHAKRIU9I** Pen.

(Wlprs. Report. I. 794. V. 542. AnnaL 1. 253.)

- *U* M. (§. 1.) VIOLACEOPURPURCUM Duoaass. ft Wlprs. mat. — BamtUis petiolisque obscjare ferrogineo-tomenteUishiflp^is, • Upuljs ioforiorib^us spineşcemibus^ecurvis, superioribus membranaceis striatis; foliis imparipinnatis 25-jugis, foliolis ipferjoribus alternantibus, linearibus, utrinque rotundatis, mucronatis, basi inneqoilateris, utrinque gleberrimis; paniculae terminalis ramosissimae multiQorae ramis ferrugineo-tomentosis; bracteolis, calycibus et pelalis glabris. — Proximo accedit ad *M. aculeatum* Raddi (Wlprs. Report. V. 542. no. 1.) et ad AT *Sieberi* Bmh. (Wlprs. Repert. 1. 795. no. 11.) ab utroque tamen diversum. *M. aculeatum* recedit foliolis subtus piligeris, *M. Sieberi* differt foliis 12— 15-jugis racemisqae axillaribus sippliqibus (?). — Folia 3 — 4 - pollicaria, foliola semipollicaria, sesquilioeatn lata. termipale. obcordato-cuneatum, omnia supra obscure viridia. infra pallidiora. Stipulae inferiores transverse compressac spinescen- • les leviter recurvaiae, juniores membranaceae soarioaae striatae; paniculae axillares et terrain ales folio breviores 2—3-pollicares multiflorae. Bractee scariosae ferrugineo-tomentellae, braceplae ad basin calycis squamaeformes concavae obtusissimae glabrae. Calyx campanulatus obsolete quinquedenticulatus, dentibus duobus superioribus in unino truncalum confluentibus. Flores purpureo-violacei, expansi a me non visi. Stamina ima basi monadolpha. ovarium glabrom mucronutotum. Lefuoen 4e-eideratur. — Habitat in iaihmo Panamensi.
2. M. SURINAMENSE Miqu. Stirpes Surinamens.* select, pag. 21..t — Aaniiti*. peUolis foliolis. subtus praesertim in costa et inflorescentia fesoo-MfteUis, tolioUs Irgugis oym impari. opposilis vel siiboppositis, raro subaJternis, atrescentibm petiolulatia ellipticis, basi rotundalis, apice obtuso mucronatis. supra glahrfe, subtus palMdis, cosia ^lidiuscula. venis crobris fore oblectis; pwiicali* aitttartbua '•• tenninAlibu*. saepe geminis. densifloris; noribus sessilibus; braoteis concavis quam braoteolae duae oppositae ovaio-rotuadatae coriaceae atriatas. sparse Wnellae brevioribus; calycis sericeo-hirtelli dentibus tribua anterioribus prodnolittibus acntis, duobus posterioribus ap- ptoximaiis obtusis; vexiUo rotundalo subemarginato. basi plana utrinque subauriculato. — Surinam.
3. M. Kg GEL II Meisner. Linnaea XXI. 257. f — Stiplnlis spinescentibus erassis suboorvato-deaaxis; ramis fofijsque glabris; folloli* 11 — 15 petiolulatis, infepioribus svbop- poaitis minoribus. superioribus alternis, coriaceis nitidis oyalibus oblongisque. brevit- ter obtuseqne acuminaiis, basi rotundalis vel subcordatis, dense parallele venosis,

reticulatis; panicula terminal! fusco-tomentosa, ramis fasciculatis, pedicellis brevibus; bracteolis ovalibus obtusis, calycem subaequantibus, diu persistentibus; vexillo extus sericeo; legumine somaroido lanceolato obliquo, basi attenuato monospermo, tenuiter membranaceo reticulato-venoso hirtello. — Affine *M. densicoma*, *Velloziano* et *amplo*, sed abunde distinctum. — Crescit in Surinam ad margines sylvarum prope Poebantje.

6713. *POIVCHUIA* Linn.

(DC. Prodr. II. 416. — Wlprs. Repert. I. 798. II. 902. V. 543. Annal. I. 254.)

1. *P. CANARENSIS* Dalzell in Hook. Kew gard. misc. II. 37. — Fruticosa scandens; foliis imparipinnatis, foliolis 7—10-jugis oppositis breviter petiolatis oblongo-lanceolatis, supra glabris, subius strigosis; paniculis terminalibus folio brevioribus ferrugineo-tomentosis. pedicellis ternis in pedunculo communl apice fasciculatis; staminibus basi et apice diadelphis, medio monnde lphis; ovario hirsuto 2 — 3 - ovulato; legumine. . . . ? — Crescit in Canara prope Garsuppa Indiae orientalis.

6714. *SPHUVCTOIiOBUJM* Vgl.

(Wlprs. Repert. I. 798.)

Hoc genus ex sententia clarissimi Miquel (Stirp. Surinam, select, p. 223) omnino cum *Müllera* Linn. (DC. Prodr. II. 259.) consociandum erit.

6715. *MIL.I.ETIA* Wght. *Sf Am.*

(Wlprs. Repert. I. 799. II. 902. V. 544, Annal. I. 254.)

1. **M. MACROPHYLLA* Hook, fl.— Wlprs. Annal. I. 254. no. 1. — Hook. III. Niger Flora 318. f tab. 32. 33.
J.S. Abofrisis: pube copiosiore, foliolis angustioribus, bracteolis majoribus, ramulis floriferis magis evoluis. — Crescit in Africa tropica occidentali.

6715A. *B E R R E B E R A* Hochst.

(Wlprs. Annal. I. 254.)

Genus aptius Galegeis adscribendum. (Cf. p. 367.)

6717. *DALBERGIA* Linn.

(DC. Prodr. n. 416. — Wlprs. Repert. I. 799. II. 903. V. 545, Annal. I. 255.)

1. *D. SAXATILIS* Hook. fl. Niger Flora pag. 314. f — Inflorescentia excepta glabra; foliolis quadrijugis oblongis, utrinque rotundatis emarginatis venoso-reticulatis, l&' minali obovato; paniculis folio ter brevioribus pilosiusculis; bracteolis parvis lineaari-oblongis; calycis late campanulati glabrati vii strijti dentibus lateralibus brevibus obtusis. inferiore elongate; legumine elliptico-lineari graciliter slipitato. — Cres^ id Sierra Leone et Senegambia.
[^]. *Domi*: calycis glabriusculi basi obtusi dentibus lateralibus Jongioribus obtusis. — Sierra Leone?
^y. *Ansellii*: calycis puberuli basi acutiusculi dentibus lateralibus brevioribus acuiusculis. — Crescit in capite Palmas in Africa tropica occidentali.
2. *D. PUBESCENS* Hook. fl. 1. cit. pag. 315. f - Rufo-pube seen s: foliolis quinquejugi oblongis vd ovato-oblongis, utrinque obtusis, basi saepe inaequalibus; racemis #»' laribus terminalibusque folio brevioribus; bracteolis parvis; calycis late campanula* Telmini denUbus Intis acutis; ovario hirsuto.— Crescit in Sierra Leone et Senegmbi*
3. *D. ROTDNDIFOLIA* Sonder, Linnaea XXIII. 35. f — Fruticosa: ramulis subangulaU<; jBtupulis linearibus; foliolis 3 - 5 suboppositis orbiculatis obtusis subemarginatisvo • J*'

- nioribus subtus sericeis. adultis reticulato-venosis, superne glabris nilidulis, subtus tenuissime cono-pubescentibus; leguminibus brevissime stipitatis ellipticis, utrinque obtusis 1—2-spermis glabris. — In Promontorio bonae spei ad Aapjesrivier.
4. D. MONOSPERMA Dalzell in Hook. Kew gard. misc. II. 36. — Frutex volubilis: foliolis 5 alternis obovatis vel cuneato-ovalibus, apice mucronulatis, supra glaberrimis, subtus glaucescentibus minute puberulis, petiolis pedunculisque pubescentibus; racemis axillaribus solitariis vel geminis simplicibus paucifloris folio multo brevioribus; calycis glabri laciniis rotundatis parvis; corolla alba calyce subduplo longiore; staminibus 10 vaginam supra florum coalitis, unguiculis transverse dichiscentibus; ovario glabro uniovulato; stipulis linearibus ferrugineo-tomentosis; legumine pollicari obscure reticulato lumbulato monospermo; semine compresso reniformi. — Crescit in collibus provinciae Malwan in India orientali.
5. D. ACACIAEFOLIA Dalzell l. c. 37. — Scandens fruticosa: staminibus monadelphis; foliis oppositis, foliolis 20—24-jugis alternis linearibus, apice obtusis vel emarginatis, basi inaequaliter supra subglabris nitidis, subtus strigosis, petiolis paniculisque ferrugineo-tomentosis; paniculis axillaribus terminalibusque folio multo brevioribus; calyce pubescenti basi bibracteolato 5-dentato, dentibus obtusis; ovario stipitato glaberrimo 3-ovulato; legumine . . . ? — Folia 5—6-pollicaria, foliola 9 lio. longa, 2% lin. lata. — Crescit in provincia Canara in India orientali.

6728. DIPTERYX Schreb.

(DC. Prodr. II. 477. — Wlprs. Repert. I. 804. V. 547.)

1. D. RETICULATA Benth. in Hook. Kew gard. misc. H. 235. — Foliis alternis, petiolo aptero applanato, foliolis ovatis obtusis emarginatisve subaequilatis coriaceis glaberrimis, elegantius reticulatis; panicula puberula; bracteolis coloratis calyce majoribus calyce glabriusculo vix punctato; staminibus — conslaater? — novenis. — Foliola circiter sex 2/3-pollicaria. — Habitat in Guiana.
2. D. GRASSIFOLIA Doth. l. c. — Foliis oppositis, petiolo anguste marginato, foliolis ovatis vel ovali-oblongis subacuminatis crasse coriaceis, supra glabris, subtus cunescensibus; panicula canescente; calycibus exclus puberulis subepunctatis; staminibus denis. — Habitat in Guiana Britannica.
3. *D. OLEIFERA Benth. l. c. t. 7. — *Ebde.nut.* — Mosquitos.
4. D. APPLANATA Benth. in Hook. Kew gard. msc. II. 234. + — Foliis oppositis, petiolo applanato aptero, foliolis oblongis acuminatis coriaceis utrinque glaberrimis; panicula canescente; calyce canescenti-puberulo, labii inferioris dentibus lateralibus minutissimis vel nullis; staminibus 10. — Foliola 3—4-pollicaria. — In Brasiliae prov. Parana.

6735. MONILIFORMIS Linn.

(DC. Prodr. II. 259.)

1. *M. MONILIFORMIS Linn. — DC. l. c. no. 1. — Miqu. Stirp. Surin. select. **Addend.** p. 223. — *Sphinctolobium glaucescens* Miqu. l. c. 19. t. 1. b.

Tribus VU. SOPHOREAE DC.

6738. SOPHORA Linn.

(DC. Prodr. It. 95. ex p. — Wlprs. Repert. I. 806. II. 903, Annal. I. 256.)

1. S. SPECIOSA Benth. mss. ex A. Gray, Boston journ. of nat. hist. VI. 178. — Arbor speciosissima: rami teretes glabrati, ramuli angulosi. Petioli canaliculati glabri. Folia opposita sempervirentia imparipinnata quadrijugis exstipulata; foliola sessilia coriacea obovato-oblonga uninervia anastomosantia rugosa inlegerrima, apice obtusa vel emarginata, basin versus attenuata, subius opaca glandulosa, supra glabra lucida; petiolali **brevissimi** perlati transverse rugosi, supra canaliculati glabri, **subtus** con-

vexi viicldi. Racemi terminates erecti multiflori. pedanculi angulati tomentosi; pedicelli sulcati calyce longioros, basi bractea elongata setacea appresse puberula suffulti, infra medium bracteo. is 2 parvis ovato-lanceolatis praediii. Floras ampli cederulei odre speclosi. Aloe carina longiores, vexillo breviores. — *Dermatophyllum spedosum* Scheelo, Linnaea XXI. 459. — Crescit in terra Texana prope Neubraunfels.

2. *S. TOMENTOSA L. — DC. I. c. 95. — Hook. QL Niger Flora 323. — *S. crassifolia* Duh. — DC. 1, c. — *S. hUoralis* Schrad. — DC. 1. c. 96. — *S. nitens* Schom. & Thonn. Beskr. 201.

6746. GOURIIEA Gill

(Wlprs. Repert. I. 807.)

1. G. CHILENSIS Closs in Gay, Histor. de Chile. (Bot.) II. p. 218, f — Arbor mediotria, per fragmentum decorticans: (?) foliis e tuberculis squarroso-lanuglnosis faaciculato-congestis, subtrijugis cum impari, foliolis alternis oblongo-cunealis, apice obtuso «marginatis: racemis 2—10-floris, e tuberculis rami frondosi seu denudati; calyce pubente; corolla striata. — Habitat in Chile.

6750. CERCIS Linn.

(DC. Prodr. U. 518. — Wlprs. Repert. I. 808.)

1. C. OCCIDENTALIS Torr. mss. ex A. Gray, Host. Journ. VI. 177. — Erutex: foliis subreniformibus obtusissimis; leguminibtfid oblongis obtusissimis breviter apiculatia vix stipitulis. — *C. Stliqtiaslruto* var Dnth. Plant. Hartw. 307. no. 1706.
var: floribus etfam paulo minoribus; foliis supra nltidioribus. — *C. rtniformit* Engelm. — Crescit in republica Texensi.

Subordoll. CAESALPINIEAE.

I. (6751.) liEPTOfcOBIUI!! Vogel.

(Wlprs. Repert. I. fiv08. V. 550.)

1. L. NITIDULUM Miqu. Stirp. Surinam, select. 18. — Foliis glabris. foliolis 3—4-jugis cum impari ovato-lanceolatis obtusiusculis, utrinque nitidulis oppositis?. raro suboppositis, petiolulis anlice pilosulis; raoemis birtellis paniculatis; bracteis lanceolatis, bracteolis linearibus; calycis tubo obconico-campanulas, dentibus 5, uno oblutiore; petalis subaequalibus. — Surinam.
2. L. (?) PUNCTATUM Bnth. Linnaea XXII. 526. f — Ramis foliisque glabris; inflorescentia tenuissime tomentella; foliolis 6—7 alternis ovptis peflucido-punctatis; racemis floribundis; petalis lineari-lanceolatis. — Crescit in Brasilia.
3. L. COSTULATUM Miquel, Stirp. Surinam, sel. pag. 17. f — Foliolis (sufferiorum) uni- vel bijugis cum triipari; ramulis, petiolis, petiolulis costaque sidbtus rufule pdbtfrolis. foliolis oppositis breviter pctiolulatis, terminali mnjore, obovato-vel lato-elliptidd. apice rotundato emarginalis. basi aculis vel obtusiusculis coriaceis. supra glabris nit A* subius (ad lentem) tenerrimis pilis cohspersis, veriis pftulis prominentibus reticulntis; panicula ampla terminali ramosa rubiginoso-tomentella; bracteis lineari-lancolatis, bracteolis minulisj calycis extus rufo-pilosi lobli late triangularibus, intus puberulli*; corolla glabra calycem duplo superante; Qlameotis glabris; ovario dense binuto. — Crescit in Surinam.

II. (6755.) SCiEftOliOBItTiftl Vogel. ,

(Wlprs. Repert. I. 809. V. 551.)

1. »SCL. CHRYSOPHYLLUM Poepp. ft Endl. - Wlprs. Repert. I. 252. no. 3. - Bnth. in Hook. Kew gard. misc. II. 23(k) — *Sc. mriceum* Tulasie. — Wlprs. 1. C tto. 2.

2. SCL. RUGOSUM Mart. Herb. no. 1155. ex Bnth. in Hook. Kew gard. misc. II. 287. — Foliolis 4—6-jugis oblongis, basi obliquis inaequilateris, supra glabriasctilis rugosis, subtus cum ramulis paniculaque tomento adpressissimo ferrugineis; floribus sessilibus; calyce ferrugineo-tomentoso; petalis pilosis.— Habitat in Brasilia, Cubaja in Matto Grosso et in Minas GeraBs.
3. SCL. TINCTORIUM Bnth. in Hook. Kew. gard. misc. II. 236. f — Foliolis 6—8-jugis oblongis acuminatis, basi subobliquis et parum inaequilateris, utrinque sparse birtellis glabrativse vlrldibus; floribus sessilibus; calyce florescenie sericeo; petalis glabris. — Petiolus 6—9-pollicaris, foliola 3—4-pollicaria, 1 — 17_a poll, la'ta. — Habitat in Brasiliae prov. Para.
4. SCL. HIPPOBOSUM Bmh. 1. c— Foliolis 2—3-jugis ovatis subacuminatis. basirotundatis subaequahbus, supra glabris, subtus pube minuta sericeo - nitentibus; floribus breviter pedicellatis; calyce incano-sericeo; petalis pilosissimis. — Habitat in Brasiliae provincia Rio Negro.
5. SCL. GUIANENSE Bntb. 1. c. 237. — Foliolis 5— 6-jugis oblongis, basi rotundatis inaequilateris, adultis utrinque glaberrimis coriaceis; panicula ferrugineo-hirta; floribus subsessilibus; calyce rubescenii-tomentello; petalis basi pilosis. — Cayenne, Guiana Britannica.

IVa. (6776.) CADIA Forsk.

(DC. Prodr. II. 486.)

1. * C. YARIAH'riU — DC. 1. e. — A. Rich. Tent. flor. Abyssinic. I. 248. tab. 46.

VII. (6775.) PARKnVSOHriA Plum.

(DC. Prodr. II. 489.)

1. P. AFRICANA Sonder, Linnaea XXIII. 38. + — Globra glaucescens: ramis spinescens; foliis ex axillis spinarum ternis pluribusve pinnatis, petiolo communi longissimo teremisculo exalato, utrinque canaliculato, apice angustato, foliolis oppositis minimis oblongis acutis, racemis axillaribus terminalibusque laxis 6—10-florin, pedunculis erecto-patulis basi brncieolatis: calyce basi puberulo; leguminibus lineari-lanceolalis, basi npiceque angustatis multistriais sub-8-spermis; seminibus oblongis obtusis nitidis. — la Promontorio bonae spei.

X. (6766.) POArCIASTA Linn.

(DC. Prodr. II. 483. — Wlprs. Repert. I. 809. II. 903. Y. 554.)

- * P. GILLTESII Hook. — Wlprs. Repert I. 809. no. 1, .II. 903. no. 1, Y. 554. no. 1. — Paxton ft Lindl Flow. gard. I. 147. tab. 28.

XII. (6765.) CAESAIiPFVIA Plum.

(DC. Prodr. II. 481. - Wlprs. Repert. I. 810. II. 903. Y. 554.)

- * C. ANGULICAULIS Gloss in Gay. Histor. de Chile (Bot.) II. p. 223. tab. 19. f — Inermis Pr«etrata fruticosa: rarais angulaio - canaliculatis. apice et racemis terminalibui piloso-glandulosis: foliorum rhaclii 2-3-flda; petiolis secunduriis pinnatis, foliolis 5—8-jugis 'rioutja ellipsoideis inaequilateris; legumine 3—4-spermo acinaeTorini, valde complanato punctato-nigro, marginibus piloso-glandulosis. — Habitat in Chile.

XIIa. BAIiSAMOCARPOST Closs.

(Closs In Gay. Histor. de Chile [Bot.] H. pag. 226. tab. 20.)

Calycis setoso-ciliatoque-glandulosi tubus brevis lurbinato-urceolatus, limbi 5-partiti laciniis oblongis obtusis subaequilongis, infima majore concava. Corollae petala 5, calycis fauci inserta, ejusdem laciniis alterna »guiculata, irregulariter ovata obtusa, omnia subconformia, supremo

paulo minore. Stamina decern, peialis breviora; filamenta subulata, ultra medium rufo-hispidula. Ovarium sessile selosum, stylo subulato staminibusque paulo longiori continuum. Stigma terminate obtusum ciliolatum. Fructus mediocris teres, interdum subtorulosus, rugulosus, hinc rima longitudinali notatus, apice obtuso breviter mucronatus. Pericarpium crassum totum resinosum. Semina ovato-suborbiculata complanata laevia, isthmis resinosis incompletis discreta.

1. B. BREVIFOLIUM Closs in Gay 1. cit. pag. 228. + tab. 20. — Ramis indivisis elongatis robustis teretibus puberulis multitubercularis et e tuberculis foliiferis, spinis 1—3 leneri-ncerosis; folijs fasciculatis simpliciter pinnatis; petiolis brevissimis brevi-mucronulatis, foliolis sub-3-jugis ellipticis; pedunculis ad summos ramos e tuberculin prodeuntibus paniculatis 7—10-floris. — Habitat in Chile.

XIII (6765e.) PELTOPHOROI Vogel.

(Wlprs. Reprt. I. 811. V. 557.)

1. P. AFRICANUM Sonder. Linnaea XXIII. 35. f— In crme: ramulis, racerao calycibusque lenuissime subcrrugineo-pubescentibus; foliis abrupte bipinnatis, pinnis 7—8, foliolis 14—20-jugis lineari-oblongis apiculatis, utnque adpresse pubesceniibus, subtus pallidioribus; paniculis terminalibus e racemis multifloris folium subaequantibus compositis; bracciis lineari-subulatis, pedicellis demum calyce longioribus; sepalis interioribus margine scariosis denticulatis; petalis late obovatis unguicularis, colyce longioribus, ungue siaminibusque basi hirsutis, stylo glabro ovarium aequante, stigmate pellalo; legumine samaroideo subpedicellaio oblongo utrinque acuminato compresso, glabrusculo 1—2-spermo; seminibus oblongis pendulis. — In Promotorio bonae spei.

XIV. (6782.) LABICHEA Gaudich.

(DC. Prodr. II. 507. — Wlprs. Reprt. I. 841. V. 561.)

1. L. RUPESTRIS Bmb. in Mitchell, Journal of tropical Australia p. 312. adnot. — Glabra vel vix in partibus novellis puberula: foliis sessilibus plerisque trifoliolatis, foliolis lineari-oblongis spinoso-mucronatis coriaceis marginatis, terminali lateralibus bis plurinsve longiore; antheris subaequalibus conformibus. — Crescit in Australia orientali tropica.
2. L. DIGITATA Bnth. in Mitchell l. c. 273. adn. — Ramulis tomentellis; foliis subsessilibus, foliolis 3—5-digitalis lineari-publongis spinoso-mucronatis corjaceis reiculatis. terminali caeteris vix majore; antheris parum inaequalibus conformibus. — Crescit in Australia orientali tropica.

XV. PETALOSTYLIIS R. Br.

(R. Br. in Sturt, Expedit. Centr. Austral. II. App. p. 79.)

Calyx 5-phyllus, aequalis. Petala 5 subaequalia, patentia. Stamina: Filamenta quinque sepalis opposita, quorum tria antherifera, antheris basifixis linearibus, duo reliqua castrata. Ovarium oligospermiini Stylus maximus, petaloideus, trilobus, lobo medio longiore axi. incrassata desinente in stigma obtusum simplex I — Frutex glaber, erectus. Folia alterna, pinnata cum impari, foliolis alternis. Racemi axillares, pauciflori. Flores flavi.

1. P. LABICHEOIDES R. Br. 1. c. 80. — Frutex facie fere Cassia* et Labicheae. Folia alterna, cum impari pinnata, foliolis alternis. brevissime petiolatis oblongo-lanceolatis, cum mucronulo, terminali paulo majore. Stipulae parvae caducae. Racemi pauciflori axillares, folio breviores. Alabastrum ovali-oblongum acutiusculum. Calyx viridiflorus sepalis subaequalibus oblongis acutis, aestivatione imbricatis. Petala quinque stiraequalia, oblonga, flava, aestivatione imbricate, sepalis sesquilongiora. Stamina 3 ««

thenfera aequalia, filamentis abbieviaus* anihemis acutis bilocutanbus, loculis sulco longitudinali laseulpns, 2 reliqua rudimenta parva snbfliformia Otanum sessile lineare, 3—4*spermum. Stylus lobo medio tnplo longiore oblongo-lanceolato, lobis lileralibus aunculiformibus semiovaus obtusis Sugma imberbo — In Nova Hllandia < en trail et in insulis archipelagr Dampien

XVI PTEROL.OBIUJI *ft bi*

(Wlprs Report I 811)

- 1 B T ADTSSIMCUM A Rich Tent fl Abjssinic I 246 — Ranmlis teieliluu> pulverulento-subpubeniibus folns bipumalis 6—8-jugis, foholis 8—12-jugis, anguslc ellipticis, sublineanbus bisi apiceque obtusis, glabns, petiolulis pelioloque sublomentosic iruleis tnbus ad basin smgulaium pinnarum, intermedio recto, laternlibus ieciii\is sirpuhs in iculeos lecurvos mutatis, flonbus palhde luteolispedicellatis racemos stictos elongatos mullilioros pedunculate, 5—6 uncias longos eTormantibus, pedicelhs basique integri el inciassata calycis tomeniosis lacimis calycims externe convovis pubentibus pctalis \i\ calycein atquantibus apice subdenticulatis ovano tomontoso stvlo brevi, stigmale leiminah et concavo fructibus purpureis ala membraoacea unilateral laiore longioieque terminalfe — *Quartmia Abyssinica* A Rich Ann. se. nat XIV 260 t 14 — *Pteiolobium lacerans* R Bi — Wlprs Reper I 811 no. 1. cum lota s\nomvna^f — *Mimosa Kantuffa* DC Piodr II 431 — *Kantuffa* Brute Voy. [^] 64 tab 14 — In Abyssimae provmcns Choa EL Tche'leukote *

XIX. (G774) HOFFMAIftTASEIOCUA *Cav*

(DC Prodr II 484 — Wlprs Reper I 811.) ' "

- 1 II GAUD AT A Asa Gray, Bost Jouin VI 179 ndoot — Frutesceos lamis glabernmis superne rhachiquo foliorum glanduhs mioimi3 raio consp«rsis folns bipmnatis, pmnis t—3-jugis abiupte 8—10-foliolatif cum impan elongata 24—30-juga, foliolis glaberiiDiis omnino glandulosis rotundalis oblique subcordatis \enosis stipulis braceisque caducis, racemo sparsifloio legumme acinaoformi dilamo glanduloso — Crescil in i publica Texensi

Will (6781) CASSIA *Linn*

(\ogcl in Wlprs Report I 812 II 904 V 559. Annal I 257)

- 1 C (*Lhamaefuslulq*) CRASSISEPALA Bnlb. Linnaea XXII 527 f — Glabcnuoi stipuli[^] caducis foliolis 5—6-jugis oblongo-ellipticis mucronato-aculiusrulis basi obliquis ngidulis venosis glandula oblonga acuta mtei par infimura, sepalis et petahs obtusis, anthens 2 mtmmis ovano glaberumo legumme subcylindnco — Afloii[^] C *mdecorae*, (-oluUouh et pi ae[^]ei um C *Candolleanae* Habitus foliorum lextura et (lores fere oninino C *Candollcanap*, sod pubes nulllbi apparet nee ei iam in ovano iohola angustioia, *tec rtusa net emaignata et sepala consistentia oa[^]sioia Pedunculi 5—6-flon. ad } 'P'ccni rarai coiymbosi vel mfenores axillares — Crescit in Brasilia < * (*Chamaesenna*) ROEMERIANA Scheele, Linnaea XXI. 457 f -lladix peicnms. cauhs ^sesquipedalis adscendenj* sulcatus tomentosus iamosu». rami erecto-patcntes angu-^l III Stipuliae selaceao Poliolus elongatus tomentosus glandulosus glandula lanceola^l i purpurea glabn mier pain sita foliola unijuga linean-lanceolate integeinma ob-[^] que aciua mucronala, subtus adpresse puboscentia. supra sparse puberula, peliolo [^] ongiora Pedunculi anllares tomentelli pauciflou folium vix aequantcs biatteaai, bratieae selaceae deciduae Sepala erecla roenibianncea appresst pubescenua mat-⁽ uaha, 3 minora oblongo - spatbulata obiususcuto, 2 mojoia obovala obtusissima pe-^l «la lutca obovata pulchenime venosa glabia tnljce fere tnplo majora stamina mae-^{9'} Jnlia 7 fertilin, reliqua stenlia, aolh«rae quadrangulaies apite biporosae sepalis bre-^{viores}, ovana sencea — Cn scit m Texa.
- 3 c UINDHEIMERLANA Scheele 1. c f — Holosencea perennis Caules angulati solidi ^{Pr}ectu simplices. Tetioli sulcati Fola alteina abrupte pinnata 6-juga. foliola bre-

- vitei petiolulata oblonga integemma obtusa mucronata, basi obliqua, subtus clinerea. glandula stipitata subulata torn en to sa inter omma pana sita Racemi azillares erecti multiflon folio longiores, basi bracteati Bracteae eloogatae lanceola^o - subulatae — Crescit in Texa
- t G. (*Chamaesenna*) PUMILIO Asa Gray Bost Journ VI 180 — Subcaulescens e caudice lignescente, stngillosa foliolis nmjugis hneanbus sublnnervatis, glandula nulla, petiolo in appendicem setaceam producto. stipulis setaceo-subulatis petiolo basi adnans ngidis persistentibus pedunculis uniflons folio longionbus infra apicem uni-bracteatis sepahs obtusissimis stamimbus 3 supenonbus difformibus castratis ovano glabemmo fructu ignoto — Crescit in republica Ttxeosi
- 5 L BAUHINIOIDES Asa Gray 1 c adn — Humihs suffruticosa hirsuto - sencea foliolis umjugis rariusve bijugis oblongis Tel subovaljs, utnnque rotundatis inaequilateris senceo-canescens glandula interposila, stipulis setaceis persistentibus pedunculis 2—3-flons leguraine membranaceo turgido rectiusculo hirsuto — Giescit m republica Texensi
- 6 C (*Senna*) SGHIMPERI Steudel Herb et Psomend bot ed 2 I p 307 — Bicboff. Bot Zeu (1850) VIII 884 f — Folus 6—9-jugis, peiolo eglanduloso, foliolis ovalibus vel ovato-oblongis rotundato - obtusis retusisve brevissime mucronulatis, utnnque cmereo-pubescentibus vel subtomentosis ciliatisque, pilis erecto-patenlibus, stipulis persistentibus racemis axillanbus folio brevionbus, legumimbus oblongis fa I cat is subromformibus tomentoso-hirtib denseque hirtociliatis, utnnque inappendiculalis. — *Cassia pubescent* R Brown — *C pubescent* et *C tomentosa* Ehrbg ft Hemp — *C. cana* Wender Linnaea XII 22 — *C oblusata* Hochstetl 8c Steud — *Senna lomenloaa* Batka Bot 7tng VII 193 — Crescit in Arabia felici et Abvssima
- 7 C LENTIVA Bschff 1 cit p 885 f — Foliis 4-6-jugis petiolo eglanduloso. foliolis ovatis ovato-oblongis vel ovato-lanceolatis mucronatis utnnque pubescentibus pilis palentibus stipulis persistentibus racemis axillanbus folia superantibus leguminibus ovalibus oblongisve, apice oblique truncatis vix falcatis, ulnnque mdppendiculatis — *Senna Alexandnna sive folw> acutis* C Bauh ex p — *Cassia Senna* Linn ex p — *Senna officinahs* Gfirtn exel svnon. — *Cassia oentahs* Pers
- a *obtusifoha* foliolis obtusis vel ranus apice rotundatis abrupte mucronatis — *Cassia lanceolata* Nectoux — Hayne, Arzneigew IX tab 41 — *C lanceolata* Coldd exel svnon Del — f. ouota Me>at. — *C Aethiopica* Guibourt. — Foliola plunma ovalia A el subovata
- (3. *acutifoha* foliolis ncutis sensim in mucionem attenuatis — *Alevandi imschei Scennes, kena oentahs* Tabernacm — 6 *acutijolia* Del — Hajnc 1 c tab 40 — *C lanceolata* DC — Foliola pleraque ovato-oblonga vel ovato-lanceolata acuta in folus infenonbus autera non raro etiam obtusa et transituni in var a. efficients In hac varielate pubescentia foliolorum qmndoque e pilis incumbentibus nee palentibus constat — Ambae >anetates semper, ut videtur, in consoitio crescunt in Aegypto superior e, Nubia et Cordofau
- ^ C MEDICINALIS Bslcliff 1 ut p 887 — tolas 5—9-jugis petiolo eglanduloso, foliolis Janceolous acutis acuminatisve mucronatis sublus sparse puberulis, pilis adpressis stipulis persistentibus racemis axillanbus sub anthesi folia subaequantibus* Ieguminibus clongato-oblongis subfalcatis, ulnnquo inappendiculalis — *Cassia tnedica* Forsk — *C lanceolata* Dierb — *C acutifolia* Th Vogel (exel sjnon Del ft Hd)n) — becundum foliolorum numerum et mdolem vanetates sequentes *dislingM* possunt
- <x *genmna* foliolis 5—7-jugis, bievionbus acutiusculis vel ntutis, crassioiibus* desiccatis subconaceis — Haec vanetas praecipue *Sennam Meccen&em* praebet t>0* guinma ranus sub nomine *rolliculoium Sennae* advehuntur
- P *Royleana* foliolis 5 -7-jugis majonbus acutis tenuionbus, siccalis submembranaceis — *Cassia lanceolata* Royle. Illustr tab 37 — *C elongata* Lena Lisanc Varietas t cultura orta *Sennam Jndtcam vulgarem* et *de Tmnevelly ductam* praebet.
- Y *Ehrenbergn* foliolis 7—6-jugis clongato- vel hneau-lanceolatis **acuminatis**.

- leguroimbus longionbus — *C Ehrenbergtx* Bscbff — *C lanceolata* Ehrbg — *C, acutt-
folia* Nees jun. — Tola planta robusifior in solo fertiliore, ut videtur, orta — Fo-
liola raro pura nomine *Sennae Haleppensis angustxfohae* in commercio reperiuntur,
saepius inter *Sennam Meccensem* fohohs varietatis a intermizta occurrunt — Crescit
Cassia medxcmalis in Arabia felici, praesertim in terntono Abu-ansch, in Mozambique
(an sponlanea?). in India orientali] culta
- 9) *C (Psilorhegma)* STURTI R Br in Sturt, Ezpedit Gentr Austr II 611 app. p 77. —
Tomentoso-incana folns 4-jugis, foliolis lanceolato-lineanbus plants, glandula de-
pressa inter par inflmum racemo corymboso paucifloro cum pedunculo suo folium
paulo superante v aequante calyce tomentoso — Species proximo *C ai temtsioidi*
Gaudich quae *Cassia glaucescens* Gummgh mss. cui foliola teretiuscula, et racemus
conmbosus cum pedunculo suo folio brevior — In No\va Hollandia centrali
- 10 G CANALICULATA R Br in Sturt 1 c — Ginerascens pube tenuissima folus 2-ju-
gis (raro 1-jugis) foliolis angusiato-lineanbus canaliculatis, glandula inter par uiferius
et dum umjuga inter ternnale cahcibus glabnuscis racemis conmbosis pauciflons
foho brevionbus — Proxima *C eremophilae* Cunrungh mss — Habitat in Nova Hol-
landia centrali
- 11 C EREMOPHILA Cummgh mss ex R Br 1 c — Glabra foliis unijugis raro* pas-
sim bijugis foliolis lineanbus canaliculatis latitudme racheos lineans aversae, conmb-
bis pauciflons folio brevionbus — In desertis prope fluvium Lacblan in Nova Hollan-
dia centrali
- 12 C ZYGOPHYLLA Bntb in Mitchell. Journal of tropical Australia pag 288 adnot. —
Glabra vel pube tenuissima subcanescens foliolis unijugis lineanbus plants crassis,
glandula inter foliola parva depresta, racemis petiolo brevionbus 2—4-flons — Gres-
cit in Australia onontali tropica
13. C PLATYPOOA R Br 1 c 78 — Glabra. folus unijugis foliolis lineanbus apiculo
recurvo duplo angustionbus, rhachi aversa laoeolato-lmean. — Juxia fluvium Murray
in Nova Hollandia centrali
- 11 G PHYLLODINEA R Br in Sturt, Expedi Centr Austr II App p 78 — Canescens
pube aiclissime adressa phyllodus aphyllis lineanbus plams falcatis aversis, caljci-
bus glabns, legumine plano-compresso — Frutei quadnpedalis, ramosissimus Phyl-
lodia semper aphylla, aversa lineana acuta, basi attenuata plus minusve falcato-in-
curva, biuncialia, y₆ circiter unciae lata, exstipulata, pagims pube arctissime adressa
canescentibus margine supenore glandula umca depressa obsoleta Flores flavi, in
umbella axillan 2—3 flora — In Nova Hollandia centrali
- tf G GIRGINNATA Bmh in Mitchell, Journal of tropical Australia p 384 adn — Gla-
Imuscula peiolis phyllodmeis hnean-subterelibus, foliolis nulhs, racemis phyllodio
plerumque brevionbus 1—2-flons legumie piano glabro circmnato vel spiralliter con-
torto — Crescit in Australia onentah tropica
- 16 C. CORONILLOIDES A Cunn in Mitchell I c — Ramis subangulatis petiolisque mi-
nute puberulis foliolis 8—10-jugis linean-oblongis oblusiusculis glabns. glandula
cylindnca inter pai inflmum racemis axillanbus 2—3-flons folio mulio brevionbus —
^ Afflms *C austrah* — Crescit*in Australia orientali] tropica
- 17 C (*Chamaecnsta*) FILIPENDULA Bojei, Nov. act acad. Caes Leopold. Carol XXII
H 399 f tab 42 — Caule laxo erecto, basi ramoso glabro? foliolis 25—40-jugis
lanceolatis acuiusculis subinequialieris parum decresceniibus, subtus pallidis, glan-
dula paiva sessili inier juga, pedjcelln 1—3 supraaxillanbus folio brevjonbus. legu-
mine subglabraio radice ramosa, ramnlis apice luberosis. — Afflms *C plumosae* Vo-
gel (Repen I 836). differt petiolo multiglanduloso et radice lubercuhs oblongis —
Habitat in Madagascana.

f *Species quoad sectiones valde dubiae*

- 18 t OBTUSA Closs in Gay, Hisior de Chile (Bot) 11 p 235 — Valde ramosa. ramis
teretibus erecto-patulis subngidis subaequahbus, supcnonbus canaliculatis puberulis,
foliolis 4—5-jugis obovatis vel obovato-ellipticis, obtusissimis vel apice rotundaus*

- brevissime mucionulatis, v\ inaequilatens subglabrus nivosus, totum petiolis occupantibus, glandula parva ovoidea mgra intor par Inflmum, slipuhs lineanbus, racemis teroinalibus laxis pauciflons. interdum subcorvmbosis, folio paulo longionbus, pedicellis floie duplo tuplove longionbu& eiecli& — Uabilat in Chile.
- 1j C EMARGINATA Closs in Gay 1. c p 237 — Glabra ramis teretibus strialis (badiis.) petiolis longiusculis lecuivis, basi mgro-mcrassalis, foliolis 6—7-jugis oblongo-ellipiiciM, apice obtuso emarginatis maequilatens mtegris, supra subverniosis glabris. jietiululis glanduloso-incrassatis inter par inflmum glandula capiialo-cornea pedicellata peduncuhs axillan-terminalibus, folio sublongionbus arcuatis erectis, pedicellis 3—6 ebracteolatis millions, flonbus subcorjmbose congests aculis, sepalis obtusis, anthens poro terminah aperlis, legumine lmcari-toruloso. subtereti aut compressiusculo semimbus ovoideis brunneis — Habitat in Chile.
- 20 C FLACCIDA Closs in Gay 1 c 238 — Tota subpuberula lamis patulis sulcalis ramosis peiolis giacilibus a basi foliolifens, foliolis 6-jugis ellipucis apiculaiis integns villosa - ciliolulatis membi anaceis subflaccidis (pallide vnenlibus), intoi par inflmum longius pedicellatum glandula nigia conoideo-stipitata, stipulis lineanbus longiusculis, pedunculis axillanbus, folio longionbus pedicellis terminalibus 3—6, subbievibus, hractea longa linean suffultii. scpalis oblongis apice obiusissimis, anthens poro terminah opeitis, legumine I — Habitat in Chile
- 21 C VERNICOSA Closs in Gay 1 c 244 — Tola glabemma subvermcosa rain is rectis inciassato-flstulosis sluaiis foliis longis eieto-patenlibus, petiolis superne canaliculatis, infra teretibus sulcatis, foliolis 3—4-jugis ovato-acutis seu ovato-lanccolatis dcuinmatjs inagms remotis, glandulis sessiJibus conoideis, inter omnia pana, stipulis nullis flonbus ad summos lamos pamculatim confeitis pedunculis folio brevionbus 6—12-flois — Habitat in Chile

f Icon addenda.

- C ARERCH Dehle — Wlpis Repeit I 812 no 5 — A Rich Tent flor Abyss I 249 tab 47

XVIII. (6814.) SWARTXIA Willd.

(DC Prodr. II 423 — Wlprs Repert I 841 V 563.)

- 1 S\ (Possira) RACEMOSA Bnlh in Hook Kew gard misc II. 238 + — Foliolis solitaius brevissime petiolatis ovali-ellipticis abrupte acuminatib conacois glabn*. supra nituhilis avenus, subtus glaucescenubus, racemis folia subaequanlibus mulunons, P⁶¹ dicelhs brevissimis petalo orbiculato, stamimbus numeiosis — Foliola 3—4-poll>'' cain, IVa—2 poll lala — Habitat in Brasiliae prov Para
- 2 SW OBLONGA Bnth 1 c f — Foliolis solnariu brevitei petiolalis anguste oblong* conaceis nitidi* venosis glabns, raceme laxo pauciflons fungineo-tomentellis, p¹¹ tdlo mnjusculo orbiculato, stamimbus numerosis, ovano stipite subbievioie — Folioto 2y₂—4 - polljcana Petalum 8—10 hn diamPtro — Habitat m Brasiliae prov Par¹¹
- 3 SW BEMHAMIAN'A Miquel, Stirp "Surinam sel pag ,15 f — Petiolo commum anuc< canaliculato cum petiolulis et costa subtus pube flavida tenui subsenceo, foliolis trt* jugis cum impari, o\ato-oblongs breviter obiujeque acummaiis membranaceo-coria teis, supra glabns, subtus glauce^centibus tenuuei \enosis pilisque tenerntnis a¹* spersis, lacemo, bracteis et cahcibus subilavicanti-senceis, caljce quadnpariuo. P¹* talo orbiculan unguiculato, dorso velutmo snmmum qmtuor majoiium filamentis P¹* losis, aniheis linean-oblongis, reliquorura numerosorum tenuiorum filamentis g^{la} bns, anthens ellipucis ovano stipuato brevi oblique ovito dense senceo, stylo 're' vissimo glabro — Crescit m Surinam locis humidi^ 3d flumen Marrowyne supenus

XVIIIa IIEUCO^rPHAIiOS Bnth.

(Wlpis Ann bot I 257 ^

- 1 'L CAPTAWDLIS DnU. - titlprs. 1 c 258, - Hook fil *i\$er Floia 323. f tab. 81

XXX. (6810.) **BROWSTEA** Jcq.

(DC. Prodr. II. 476. — Wlprs. Report. I. 843. V. 565.)

1. *BR. GRANDICEPS Jcq. — DC. 1. c. 477. — Wlprs. 1. c. I. 843. — Van Houtte, Flore des serres YI. 153. tab. 581. 582.

XXXIII. (6793.) **AHHTERSTIA** Wall.

(Wlprs. Report. V. 567.)

- A. NOBILIS Wall. — Wlprs. 1. c. — Hook. Bot. Magaz. tab. 4453. — Van Houite, Flore des serres V. tab. 513 r-516.

XXXIV. (6795.) **JOSUGSIA** Rxb.

(DC. Prodr. II. 487. - Wlprs. Report. I. 844. II. 904, Annal. I. 258.)

1. •J. ASOCA Rxb. — DC. L c. — Wlprs. Report. L 844. II. 904. — Lindl. fit Paxt. Flow, gard. I. 165. tab. 32.

XXXVI. (6785.) **SCHOTIA** Jcq.

(Wlprs. Report. I. 844.)

1. S. (*Theodora*) BRACIYPETALA Sonder. Linnaea XXIII. 39. f — Foliis abrupte pinnatis. folio Us 4 — 5-jugis obovatis oblongisve obtusis vel emarginalis mucronulatis, supra niidulis reticulato - venosis; panícula racemosa abbreviata; sopalis basi concretis; petalis angustissimis, flnmentis in tubum connatis alterne minoribus; ovario lancolalo slipilalo. — Port Natal.

XXXVIII. (6776.) **A F Z E M A** 5m.

(DC. Prodr. II. 507. — Wlprs. Report. I. 844. Annal. I. 258.)

1. A. BRACTEATA Vogel mss. ex W. J. Hooker, Niger Flora pag. 325. f t. 34. 35. — Wlprs. Ann. bot. I. 258. no. 1. — Ramis foliisque glabris, foliolis 4—5-jugis oblongo-ellipticis obovalisve obtusis, supra niidis, subtus subglucis; paniculis terminalibus subsimplicibus cano-pubescentibus; braciis ovatis reflexis, pctali summi ungue lobis calycinis triplo longiore. — Crescit in Sierra Leone et Senegambia.

XXXVIIIa. **B B R I I H T I A** Sol and.

(Soland. mss. ex Hooker, Niger Flora pag. 326.)

Alabastrum bractcolis 2 tandem bivalvaim apertis persistentibus inclusum. Calycis tubus cylindricus, limbus quinquepartitus. Petala quinque, summum Jongissime unguiculatum, caetera fineari-spathulata, sessilia, calyci subaequalia. Stamina decem longe exserta, omnia ferentia. Ovarium stipitalum pluriovulatum, in stylum filiformem attenuatum. — Arbor Africae Iropicae *Afzeliae* et *Anthonotae* affinis: ramulis pendulis; foliis abrupte pinnatis; racemis vel paniculis sessilibus terminalibus.

1. B. ACCMINATA Soland. mss. ex Hook. L e t - ^{Arbor} 20-30-pedalis, ramulis pendulis glabris, novellis ferrugineo-puberulis. — In Senegambia.

XXXIX. **G P E B V A** Aubl.

(DC. Prodr. II. 510.)

1. E. (*Parivoa*) RUBIGINOSA Miqu. Slirp. Surinam, select. 12. f — Foliis glaberrimis. foliolis trijugis oppositis peiolulatis pergamaceo - coriaceis ovatis vel ellipticis acuminatis nitidis, venis immersis; inflorescentia flagellari elongata remote racemigera rubiginoso - tomenella; racemis brevibus densifloris; bracteis brevisiimis concavis, pen-

dicellis calycem aequantibus, bracteolis duabus alternis exilibus instructis; lobis calycinis quatuor, duobus exterioribus praeter margines totis, tertio secus medium, quarto uno latere tomentellis; petalo erosulo crenulato; staminibus 10 basi in vaginam brevem inaequalem conjunctis glabris; ovario stipitato dimidiato-obovato tomentello; stylo glabro. — Surinam in interioribus regionibus.

XLH. (6752.) TACHIGAMA Aubl.

(DC. Prodr. II. 487. — Wlprs. Repert. I. 845. V. 669.)

1. T. (*Galitachia*) ANGUSTIFOLIA Miqu. Stirp. Surinam, select. 13. f — Petiolo communi acute triquetro, apice mucronatim producto, cum petiolis crassis foliolisque subtus tenere pallide subsericeo-puberulo, his supra parvis pilis inspersis 8-jugis, ex rotunda basi latiuscule lanceolatis acutissimis acuminatis, venis 12-nis v. 14-nis; inflorescentia terminali elongata rufula; calycis tubo oblongo obovato obliquo striato pedicellum circiter aequante, lobulis rotundatis utrinque villosulis; petalis inferioribus tribus majoribus; staminum trium superiorum filamentis incrassatis falcato-recurvis; ovarii villosi stipite aplanato; leguminibus mox glabratis. — Surinam. *

XLIX. (6803b.) VOUPA Aubl.

(DC. Prodr. II. 511. — Wlprs. Repert. I. 845. V. 57*.)

1. V. CHRYSOSTACHYA Miqu. Stirp. Surinam sel. pag. 11. f — Foliis breviter petiolatis, foliis sessilibus oblongo-lanceolatis acuminatis falcato-inaequilateris coriaceis glaberrimis subimmersis multiveniis; racemis axillaribus et terminalibus solitariis subsessilibus arcuato-recurvis dense aureo-hirtellis; floribus breviter pedicellatis; bracteolis orbicularibus (in alabastro acutiusculis) crasse coriaceis, extus aureo-hirtellis, intus superne parce hirtillis; ovario ad suturas hirtello; legumine dimidiato-suborbiculato apiculato, margine superiore incrassato compresso glabro. — In Surinam
2. V. ANGUSTIFOLIA Bnh. in Hook. Kew. grnd. misc. II. 239. f — Foliolis sessilibus oblique lanceolato-oblongis; racemis folio brevioribus; bracteis ovatis acuminatis alabastrum acuminatum aequantibus; ovario glabro v. ciliato. — Foliola 2—5 - poll. cariff. % — 1 poll. lata. — Habitat in Brasiliae prov. Para.

LIV. (6791.) BAUHINIA Linn.

(DC. Prodr. II. 512. [excl. sect. 1.] — Wlprs. Repert. I. 847. II. 904. V. 572, Annal. I. 258.)

1. B. (*Pauleliq*) ACIDA Rnw. Flora (B. Z.) XXXI. p. 578. — Foliis basi cordatis, foliis ovalibus obtusissimis 4—5-nerviis, ultra medium concretis; stipulis oblongis; bracteis acutis cucullatis; inflorescentia racemoso-paniculata et calycibus fusco-integeris. — Legumen rectum lineare. — *B. purpurea* DC. — Crescit in Java et insula Timor.
2. B. ABYSSINICA A. Rich. Tent. Hor. Abyss. I. 253. — Inermis: foliis basi conlatis coriaceis, foliolis multo ultra medium coalitis, apice obtusis aut subaculis, subtus nerviis, minute reticulatis, in nervis nervisque molliter tomentosis; floribus ferrugineis racemosis; racemis folio oppositis, saepe in paniculam terminalem dispositis; legumine fere pedali, unciam lato, ferrugineo-tomentoso, coriaceo, crasso, indehiscente, polyspermo. — In Abyssinia prope Adoua.

LV. (6789.) SCHSTELIA Raid.

(Wlprs. Repert. I. 853. V. 572.)

1. SCH. ROSEA Wlprs. 1. c. V. 572. no. 3. - *Bauhinia rosea* Miqu. Stirp. Surinam. select. p. 9. f. tab. 2.

LVIII (6784.) CHTOMCETRA *Linn.*

(DC. Trodr. II. 509. fexcl. sect. 2.] — Wlprs. Repert. I. 853. V. 573.)x

1. C. YOGELH Hook. fl. Niger Flora pag. 328. f — Glaberrima: foliolis unjjugis eilip-tico-oblongis, utrinque obtusis, apice emarginatis ayeniis: floribus in racemis axilla-ribus (asciculatis breviter pedicellatis decandris; ovario villosa; legumine oblongo fal-cato rugosissimo, — Crescit ad ostia fluminis Nigri in Senegambia.
2. C: (?) TETRAPHYLLA Hook. fl. 1. cit. pag. 329. f — Glaberrima: foliolis bijugisvalde inaequilateris obtusis coriaceis, subtus reticulatis, jugi inferioris ovali - rotundatis, jugi superioribus majoribus ovato-oblongis. — Crescit in Sierra Leone.

LXI (6804 & 6805.) DIAMUM *Linn.*

(DC. Prodr. II. 520. — Wlprs. Repert. I. 854.)

1. *D. GUINEENSE Willd. — Hook. fl. Niger Flora 329. — *D. nitidum* Guill. ft Perr. — Wlprs. Repert. I. 854. no. 2.
2. *D. DISCOLOR Hook. fl. 1. c. — *Codarium discolor* DC. 1. c. 520. no. 3.
3. D. ANOMALUM Webb in Hook. Kew gard. misc. II. 347. — Arbor? Rami Folia Panicula intricate cymosa ramosissima aillaris? ramulis divaricatis saopissime incurvis floribundis, stomatibus crebris verruculosus. Pedunculi communes divaricate- - cymosi, uti pedicelli breviter ferrugineo - pubescentes. Bractee parvae, latae squamaeformes caducissimae. Flores mediocres. Calyx 5-fidus coriaceus, intus extusque puberulus, laciniis oblongo-lanceolatis, apice incrassatis subacutis caducis. Torus in fundo calycis cressus persistens pubescens coloratus. Corolla nulla nis pro petalo habendum staminodium. Stamina nunc in floribus lateralibus 2 opposite laciniis calycinis longiora, quorum unum lacinae calycinae oppositum, alterum inter-vallo interjecto laciniis 2 alternat, nunc in floribus terminalibus 3, quorum tertium inter 2 priora intercalatum et cum laciniis 2 alterna, undo trium duo proxima videntur et quasi geminata ad basim lacinae djusdem et prope marginem ejus utrinque inserta. Stamen intermedium saepe in staminodium crassum stipitatum conversum, aliquando fit petaloideum, sed semper crassum et evenium; quandoque in floribus perfectioribus stamina 4, 2 turn collateralia ad marginem lacinae utrinque inserta, 1 iis oppositum et quartum abortivum inter stamen solitare et collateralium adelphium positum. Ova-rium vel 1 ovaium, velutino-pubescent, stipitatum, staminibus ventre, dorso lacinae calycinae oppositum, in stylum glabrescentem, supra spatium vacuum inter stamina 2, vel supra stamen seu staminodium internodium, deflexum, vel aliquaodo ovaria 2. inter se opposita, dorsis cum laciniis calycinis alternantia, lateralibus ad staminum" cohortem conversis. Ovula 2. ad ovarii dorsum superposita. Fructus ignotus..— In insula Gorgona.

Subordo III. MIMOSEULE.

Tribus I. PMKIEAE Wght. a Am. — Bnth. in Wlprs. Repert. Y. 576.

' IK P A R M A R. *Br.*

(Bnth. in Wlpr\$. Repert. V. 576.)

- 1- P. NITIDA Miqu. Stirp. Surinamens. sel. p. 7. f— Petiolo communi inferne tetragono, antice piano plerumque uniglanduloso, inter pimas anlice acutangulo, lateribus submarginulato; pinnis 10—8-jugis; rhachidibus dorso praesertim furfuraceo-pubecis; foliolis 25—30-jugia, baseos pane dimidia inferiore fere totis adnatis, inaequilatero-linearibus obtusissimis muticis, supra splendentibus. subtus pallidis, adultis glabris, n.

binerviis, nervo medio prope apicem evaneacente, impart prope margine inferiorem recurvente; pedunculo compresso rhachique clavata rubiginose fulvifera - puberulis; oviculis apice tomentellis; corollae glabrae brevissime exsertae dentibus secus margines tenere puberulis. — Crescit in Sarinam.

Tribus II. EUMIMOSEAE Bulk 1. c 578.

IV. EITTADA Linn.

(Benth. in Wlprs. Repert. V. 578. I. 858. Annal. I. 259.)

1. E. ABYSSINICA Steudel mss. ex A. Rich. *Tfht.* il. Abyss. I. 234. — (Wlprs. Annal. I. 259.) — Ramis inermibus: foliis bipinnatis, pinnis 15—18, foliolis 25—35-jugis parvulis culiriformibus angustis obtusis apiculatis glabris, rhachi petiolisque margine ciliatis glandulosis; leguminibus planis 6—8 uncias longis, sesquiunciam latis coriaceis, articulis quadruplo maioribus quam longis. — In Abyssinia provincia Chi re".

VI. PIPTADEHVI-A Benth.

(Benth. in Wlprs. Repert. V. 578. I. 858.)

1. P. (?) AFRICANA Hook. fil. Niger Flora p. 330. f — Inermis: ramulis, petiolis inflorescentiaque puberulis, demum glabratis: glandulis multibus; pinnis 10—14-jugis, foliolis multijugis linearibus, supra nitidis; floribus glabris: ovario sessili glabro. — Crescit ad flumen Niger prope Aboh in Africa tropica occidentali.

XIV. IVEPTIHIA Lour.

(Dnh. in Wlprs. Repert. V. 583. Annal. I. 260.)

1. *N. PLENA Benth. — Wlprs. Repert. V. 583. no. 2. — Miqu. Surp. select. Surinam. 2 — *N. Surinamensis* Steudel. — Wlprs. I. c. 580. 4.

XV. DESMATHEUS Benth.

(Benth. in Wlprs. Repert. V. 584. I. 864, Annal. I. 260.)

1. *D. BBACHYLOBUS Benth. — Wlprs. Repert. I. 864. no. 7. — A. Gray, Boston Journ. of nat. hist. VI. 184. — *D. falcatus* Scheele, Linnaea XXI. 455.
2. D. VELUTINUS Scheele, Linnaea XXI. 455. — Caulis bi—quadripedalis angulatus, stipulis sternalis simplicibusque velutinis. Stipulae parvae setaceae. Rhachis angulata velutina in setis desinens; pinnae 4—6-jugae; glandula concava inter parva inflata sita: folioli 20-juga et infra brevissime petiolata lineari-oblonga mucronata, margine pilosa imbricata. Pedunculi axillares solitarii angulati velutim folio longiores; capitula globosa; calyces campanulati. Legumina umbellata linearia subfalca compressa coriacea bilobata coninua torulosa nitida glabra 6—10-sperrae rostrata; semina obovato-elliptica compressa nitida glabra fusca. — Crescit in Texa prope Neu-Braunfels.

XVI. HIOSA Linn.

(Benth. in Wlprs. Reperl. I. 8B4. II. 905. T. 584, Annal. I. 269.)

1. M. (*Eumimosa*) LINDLIERI Asa Gray, Boston Journ. VI. 181. f — Fruticosa glabra vel sub lente minime puberula: aculeis infrastipularibus validis geminis (nunc solitariis) recurvis, petiolaribus minime raris vel nullis; stipulis subulatis etiam spinosis; pinnis 4—6-jugis, foliolis 8—12-jugis oblongis; pedunculis folium superantibus; copiosis globosis; bracteolis minutis; floribus pentameris glaberrimis; inflorescentia glabra lineari-oblonga seu folcata, margine aculeis validis sparsis armata. — Crescit in republica Texensi ad Neu Braunfels.
2. U. (*Eumimosa myriaphyllae*) REGNELLII Benth. Linnaea XXII. 529. t — fruticosa inermis: ramia, petioli pediculisque setoso-villosis; pinnis 8-10-jugis foliolis 25—30-jugis oblongis canescentibus strigoso-ciliatis; capitulis subglobosis

raccino long? ternunali oudo bicviter petlicellaus, bracieoli* Uore brovionbus, calyce pdeaceo quajlrupartio, aegmentis plumoso-lacinittis, legiumne undique stngoso-setoso. — Ab affini 3f *inynopkgllLa* differt uhJumento. foliohs paucionbus majoribus ci talyce — Crescit in Brasiliae provincia Minas Gerafis.

M (*Eumimosa* S 4 *Peclmatae*) tfMJCGA Duchass et Walp Linnaca XXIII. 744 f — Annuca caule •redo simplici (v prope apicem ramosa) cum petlalis peduncuhsque patentim pilo&o, demum glabernmo, aculeis paucis sparsis uocmaus, infrastipulanbus geminis armato, pinms pellolo parum longronbus, foliolis 12—22-jugis, oblique hneanbus, mucronulatis, supra glabns infra adpressp slngoso - pilosis marline setosis stipulis lineanbus acuti* striuiis stiosis pedunculis axillanbus geimnatis, peiololum aequantibus s parum excedentibus, jtefloralis dedexis flonbns eapitatis corollis roseis tubulosis quadnlobis legumimbus 2—3-arlleulahs glaberi mm, suture longe ngideque setosis, persistentibus — Similhuia est *Mimotae pudicae* L ^ed foli<> omnibus umjugis statim differt — Guadeloupe Caracas

4 M (*Habbasm'?*) ROEMERIANA Scheele, Linnaca XXI 45b f — (nulls repens sulcalus glaber oculealus ramosus aculei parvi recum Stipulae subulalae Rhachis sulcata aculeatd, pinnae 2—4-jugae, petioli parualos i e pinnas singulas gerentes, basi btipellis herbaceis, apice bipariiiis ochreati folio la sub-8-juga brevis<ume petiolulata lmean-oblonga glabra, basi obhqua, margine ciliata, apice mucronata Peduncdli axillares solnarn sulcau aculean glabn folium subacquantea, capuula globosa mulnflora, pores rosei, calycis campanulati denies unnuti ovati stamina longissima pelalorum numero dupla legumma ? — Fortasse eadem ac ^*chrankia platycarpa* Asa Gray? — (itscit prope Nen Bpaunfels ID Teia

) M (*Uabbassmae sommantes Inermes*) LAEVIGATA. G Bnih loc cu 530 f — SutTruticosa ghbra vel stngis conspersa stipulis lonceolatis setacco-acuminaiis pinns 5—6-liigis foliolis multijugis lineanbus obtusis, pedunculis fnsicujatia racemosis bracteo-fis corolla pluries bieMONbus — Species *M tnjugae* valdo affinis, differt pinms nuincrosionbus, stipulis longionbus, capitulis majonbus — frescii in Brasihao provincia Minas Gera^s ad foldis

*> M (*Habbasia*) FR4GRANS \si Graj I c 182 f - Fiutico^a erocia glnbemma aculeis mfrastipulanbus solitarus ^ubrcuivis, petiolis incrmibus giacilibus pinms 1—3-jugis (in ramis flondis saepissime unyugis), foliolis 5—b-juais lmeaii-obloDgis, pedunculis axillanbus saepius fasciculatis. folio aequahbus, capitulum globosum geren- Ubus. flonbui 5-mens 10-andns glabns, petahs libens caljce parvo quadupto longionbus legumine linean - folcato 6—8-articulato membranaceo glaberpmo meimi lanusvc margine aculeis 1—3 armato — Habitat in republica Texenst.

7 M. (*Ameria?*) MALACOPHYLLA Asa Gray 1 c 182 atfn f - Suffnuescens. pube mollissima undique senceo - tomentosa caulibus proeumbenlibus angulatis petiolisquo copiosissime aculcatis, aculeis brevibus uncinato-reirorsis pinms 4—7-jugi* foliolis '—8-jugis ovatis vel ovali - oblongis mucronatis, pamcula racemosa laxa flonbus pentamens decandris, legunune lato-linean loogiuscule stipilato membranaceo glabro mudo inermi 6—8-sptrmo — Grtscit in republica Texensi

f *Specx&s non satis nota*

^ M BOREALIS A. Gay» Plant Fendl 39.no 1S1 f— Iruticosa eiecta glabernma: •amis aculeis infrastipulanbus solitarus vahdis pateuusslmis recliusculis aimatis. fo- l'8 parvis, pinms 1—2-jngis peiololum aequantibus, foliohs 4—5-jugis ovalibus \ix "naequilateralibus crassiusculis. (flonbus ignotif)- leguminibua oblongis klipiUtjjs 2-4- «permis glabns, margme spaisim uncmato-aculentis talvnJis in articulos 2—4 secc- lentibus — Crescu in Nova Mexioo

XVI »EUASniA Willd*

(Bnth in Wlprs Report I 883 V 585, Annal I 283)

1, SCH. PLATYCARPA Asa Gray, Bost. Jouin VI 183 — Glabra, leviiei aculeata pin- ois 4—6'iuçis, foliolis oblongis ciliatis a)enn> legumimbus lahuscule lmeaiibus

compressis acuminatis, aculeis brevibus echinatis, pedunculo subduplo longioribus, valvulis planis margine persistente (reple) fere duplo latioribus. — *Mimosa Roemeriana* Scheele, *Linnaea* XXI. 456.? (Gf. p. 451. no. 4.) — Crescit in republica Texensi.

Tribus ID. ACACIEAE Bnth. 1. c. 587.

XXa. TETRACHEHLOS *Lehm.*

(*Lehm. Plant. Preiss. II. 368.*)

Flores hermaphroditi subquaterni. #Calyx quadrilobus, laciniis brevibus obtusis. Corolla infundibuliformis calyce triplo longior striata, quadrifida, laciniis aequalibus conniventibus acutis. Stamina numerosa basi corollae inserta, subquadrissenata, inclusa. Filamenta capillaria, libera; antherae subglobosae, biloculares. Ovarium stipitatum; stylus longitudine staminum; stigma subcapitatum. Legumen stipitatum, subdispermum, arcuatum, acutum, tetraquetrum, angulis aequalibus proinulis carinaeformibus, bivalve, valvis crassiusculis. Semina oblonga strophiolata, valvarum foveolis immersa.

1. *T. MEISNERI *Lehm.* 1. c. — *Acacia? tetragonocarpa* Meisn. — *Wlprs. Report. V. 588. no. 1.* — In Nova Hollandia.

XXb. CHITHOSTALIRTIITS *Lehm.*

(*Lehm. Ind. sem. Jiort. Hamb. 1842. coll. p. 4. ft Plant. Preiss. II. 968.*)

Flores polygami, in capitulis globosis multifloris ante anthesin bractea subcolorata involutis, (et tunc Johnsoniam fere referentibus) dein racemum formantibus. Calyx turbinatus membranaceus in lobos 5 ovatos profunde fissus. Corolla infundibuliformis quinquefida, laciniis aequalibus. Stamina numerosa imae corollae inserta, exserta. Filamenta capillaria libera, antherae globosae, biloculares. Ovarium stipitatum, stylus staminibus paullo longior, stigma capita turn. Legumen stipitatum, lineari-moniliforme, 2—6-spermum, uniloculare, bivalve, valvis coriaceis reticulato-venosis. Semina obovata, nigra, strophiolata.

1. *CIL RESTIACEUS *Lehm.* 1. 1. c. c. — *Acacia restiacea* Bnth. in *Wlprs. Report. 1.886. no. 1.* — In Nova Hollandia.

XX. ACACIA *Willd.*

(*Intb. in Wlprs. Report. 1. 884. II. 905. V. 587., Annal. I. 264. — DC. Prodr. II. 4480*)

Series I. PHYLLODINEAE Bnth.

J. *Floribus capitatis.*

a. *Capitulis axillaribus soli tar us geminisve.*

1. A. (*Alatae*) TRIGONOPHYLLA Meisn. in *Lehm. Plant. Preiss. II. 199. f* — Glabra: ramis trialatis, stipulis subnullis; phyllodiis patentibus linearibus, recurvo-falcatis. V** fariam decurrentibus, rigidis pungenti-acutis compres:»o-iriquetris, angulis oervifor* inibus scabiiusculis, faciebus lateralibus unineniis, superiore dupio angustiore nerter* supra basin glandulifara; pedunculis axillaribus solitariis monocephalis deflexis* & pituli multiflori diametro vix longioribus, phyllodio dimidio v. pluries brevioribus. '*- In Nova Hollandia ad fl. Cygnorum.
- }. A. (*Calamiformes*) PINIFOLIA Bnth. in Mitchell. *Journal of tropical Australia pag. 342*: adnot. f — Glabra: ramulis teretibus; phyllodiis erecto-subincurvis longe linear* formibus, nervo utrinque prominēti subieiragonis breviter pungenti-mucronatis; P⁶?

dunculis solitariis brevissimis, capitulis multifloris; sepalis spathulatis liberis vel viz basi cohaerentibus. — Affinis *A. pugioniformis*. — Crescit in Australia orientali tropica.

- J A (*Brachybotryae*) EXGELSA Benth in Mitchell, Jour ml of tropical Australia pag 225 adnot — Glabra ramulis subangulatis, phyllodus falcato-oblongis (2—3-pollicibus, 6—9 lin. latis) obtusiusculis mucronatisve basi unguistatis subconatis molidis multinerviis venulosis eglandulosis pedunculis solitariis geminisve capitulo dense multifloro brevibus vel brevissimis — Affinis *A. venulosae* Cunn. — Crescit in Australia orientali tropica
- 1 A (*Tnangulares*) SCALPELLIFORMIS Meisn in Lehm Plant Preiss II 200 f — Ramis sulcatis pubescentibus, stipulis spinescenti-setaceis patentibus iecus, phyllodus lanceolato-tiangulatus, infra medium cuneatis glabris binerviis penninervis, nervo inargini iniectione subaequali appropinquato in mucronem rectum pungentem excurrente, altero parum divergente extra medium evanescente, marginibus tenuiter nerviformibus, superius angulo glandula urceolata instructa, pedunculis axillaribus solitariis geminisve indivisis, phyllodio dimidio brevibus glabris, legumine linearibus subincomplanatis compresso marginato, utrinque acuminate, glabro — In Nova Hollandia ad fluvium Cygnorum
- 5 A (*Pungenlet*) ULICINA Meisn in Lehm Plant Preiss II 202 f — Glaberrima ramis teretibus sulcatis, apice spinosis, junonibus glaucis, axillis ramulorum stemmum brevem spinosum patentissimum subarcuatum sulcatum gerentibus, stipulis setaceis, deciduis. phyllodus subtetragono-filiformibus, obtusis, oblique mucronatis, spinam axillarem subaequantibus, deciduis, pedunculis axillaribus solitariis, monocephalis, capitulum subaequantibus, spina pluries brevibus — In Nova Hollandia ad fluvium Cygnorum
- 6 A (*Cmnei viae*) LIGUSTRINA Meisn 1 c 203 f — Ramulis angulatis, stipulis subnullis, phyllodus lanceolatis, rectis vel recurvo-subfalcatis, utrinque aequanter attenuatis, planis, laevibus, junonibus ramulisque minutissime puberulis, mucronulo sphaclato obliquo, nervo centrali, venis obsolete, marginibus obsolete nerviformibus, superius remote minuteque 2—3-glandulifero pedunculis axillaribus geminis monocephalis, capitulum aequantibus, phyllodio sextuplo brevibus — In Nova Hollandia ad 11 Cygnorum

^ . Capitulis racemosis

- 7 A. GELASTRIFOLIA Benth — Wlprs Report I 895 no 92 — Lehm Plant Preiss II 369 — *A. Ludwign Hortul* — *A. Pawhloiuskyana Hortul*
- 8 A. LEIOPHYLLA Benth — Wlprs Report I 895. no 99 — Lehm. Plant Preiss II 369. — *A. Blomei Hort*
- J A MGRADENIA Benth in Mitchell, Journal of tropical Australia pag 360 adnot — Lindl. ft Paxton, Flow gard I 57 fig 33. — Glabra ramulis angulatis. phyllodus 8—10—12-pollicibus 6—10 lin. latis elongatis subfalcatis acutiusculis, basi longe angustatis marginitis crassiusculis unnerviis penninervis molidis, glandula magna prope basem, racemis brevibus polycephalis reflexuosis subpamculatis. capitulis multifloris, calyce breviter dentato, apice corollae aureo-hispidulis, ovano tomentoso — Affinis *A. falcifoliae* — Crescit in Australia orientali tropica
- 10 A. YARIANS Benth in Mitchell 1 c 132 adn. — Glabra pallida vel glauca. lamulis subangulatis, phyllodus oblongo-lanceolatis vel menoribus late obovatis summisve linearibus, omnibus basi longe angustatis, apice obtusis vel oblique mucronatis subimmarginatis, vix obscure glanduliferis unnerviis, tenuiter reticulato-penninervis capitulis sub 20-lin. longis subracemosis vel in racemosis dispositis, calycibus truncatis, legumine glabro crasso subliguloso. — Crescit in Australia orientali tropica
- ^ . A. URSCIFERA Benth in Mitchell I c 341 adnot. — Molliter velutino-pubescentibus ramulis subteretibus, stipulis subulatis caducissimis, phyllodus falcato-ellipticis vel oblique oblongis, utrinque acutis uncinatis - mucronatis, minute uncinatis — bipendulosis, racemosis

temis polycephalis phyllodio paulo longioribus, capitulis multifloris tomentosis — Affinis *A. Caleyi* Cunn & *A. testitae* — Crescit in Australia Orientali tropica.

- Li A VICTORIAE Benth in Mitchell 1 c 333 ddn — Ghبرا glauca ramulis teretibus. phyllodna linearibus subfilicali* obtusis, basi angustatis crassis enervis, glandula pice basin immersa, pedunculis glaberrimis gracilibus racemosis, capitulo parvo 12-20-floro multiceps longioribus — Crescit in Australia Orientali tropica

II. *Flonbus spicatis*

- 13 A (*Juliflora*) STERLOPHYLLA Meisn in Lehm Plant Preissian II 203. f — Glabra lamis teretibus phyllodus crassis rugulis linearibus recis v subfalcatis, lenerume multinerviis, utrinque porum attenuatis, apice acuto sphacelatis, basi crassis marginibus obtusis spicis axillaribus primis subsessilibus cylindricis brevibus densifloris patulis deflexisve, sepalis libens spalulalis* — In Nova Hollandia ad 11 Cygnorum
- 14 A (*Dimidiatae?*) LONGISPICATA Benth in Mitchell, Journal of tropical Australia pag 298 adnot — Pube brevi mollissimi aestiva ramulis elongato-angulatis phyllodus amplis latis utrinque arigatis, subconaceis, tenuiter serrato-multinerviis, nervis 3-5 nervionibus, spicis cylindricis densis ad hoc dentito corolla 2-3-plo brevior, ovano villoso — Crescit in Australia Orientali tropica

Series III. *PUUHEJLAE* Benth

- 15 A MLDERI foliis MMMI in Lehm Plani Preiss II 204 f — Inermis glabra ramis teretibus cubangulatis stipulis obsolete foliis unijugis, petiolo communi pinnis triplo bracteatis apice glandula scutelliformi depressa instructo submutico, partibus glandulosis, foliis 4-6 - linearibus oblongis basi attenuata subquadrilobis obliqueve, margine plants, pedunculis axillaribus geminis plumbis monocephalis, petiolo communi vix longioribus, in apice ramorum apice racemum foemantibus capillis paucifloris, calyce cupulato breviter acutiusculis nudo corollaque triplo longioribus dentibus laevissimis enerviis petalis ovalibus obtusis — In Nova Hollandia ad fl. Cygnorum.
- 16 A BIGLANDULOSA Meisn. 1 c 205 f — Inermis glabra lamis teretibus costato-lineatis, apice angulatis stipulis lanceolatis linearibus deciduis foliis bijugis, petiolo communi pinnis multotidis brevioribus, apice et infra jugum inferius glandula cupulata processu herbaceo imbricato brevis acuta lemmata, pedicellis glandulosis, foliolis 15-30-jugis oppositis sessilibus, oblique ovato-oblongis obtusis, basi subrotundatis, obsolete 1-nerviis inaequaliter subciliolatis, pedunculis axillaribus monocephalis aggregatis solitarisque, petiolo paulo longioribus, basi squamatis; calycis 5-partiti glabri corollae dimidio brevioribus lobis spatulatis obtusis tuberculatis, sessilibus mine sessilibus lanceolato, basi attenuata compresso crassiuscule marginato bilobis glabro — In Nova Hollandia ad 11 Cygnorum
- 17 A CV>DOLLENA Meisn 1 c 106. f -Inermis lamulis angulatis puberulis, stipulis linearibus setaceis deciduis, pinnis unijugis, petiolo communi crassiusculo, apice glandula sessili munito, pedicellis subglandulosis dimidio brevioribus et cum usculis acutiusculis munita, foliolis oblongis ovatisve maequialibus acutiusculis obtusis, crassiusculis platis glaucis, obscure 1-3-nerviis glabris, spicis axillaribus solitaris folio longioribus cylindricis densifloris, nonnunquam ramosis, pedunculis tomentosis calycis lobis ciliolatis. corolla lobis glabra — In Nova Hollandia ad 11 Cygnorum.

Series IV. *GLMMIFERAE* Benth

- 16 A STENOCARPA Hochst. mss. ex A Rich Tent Q, Abyss I. #8 — Spiuosa geminis robustis acutissimis albis. foliis 2-6-jugis, spinis longioribus subglabris glandula cistiformi sessili ad basin pans supremi elinfiapari influm. foliolis bijugis, angustis conaceis subacutis glabris, margine ciliolatis. capillis globosis cuculatis; in axilla loliolum lunibus, pedunculis glabra paulo supra basin calycis tubulosi glabri dentibus bubobtusis, corolla glabra, calyce duplo longiori.

- guminibus angustis sublineatis, 4—6 uncias longis. vix 2—9 lineas latis, planis glabris — Habitat in Abyssiniae provincia Tcheleukote
- 19 A SPIROCARPA Hochst mss ex A Rich 1 c 239 — Spinosa spinis geminis divaricate longissimis albidis folus hirsuto-tomentosis, bipinnatis parvis glandulosis aut versus basin uniglandulosis, pinnis 4—5-jugis. pinnulis 9—10-jugis, foliolis minimis lineari-obtusis tomentosis, margine ciliatis flonibus capitatis, capitulis pisi-formibus axillaribus pedunculatis ^er<us partem inferiorem bracteis verticillatis ornatis, saepius numerosis leguminibus angustis elongatis crassis tomentosis, spirahcter contortis — Habitat in Abyssinia in convalle fluvii Taccaze*.
- 20 A PTRYGOCARPA Hochst mss ex A Rich 1 c — Ramis cernuis glabris aculeis stipularibus rectis acutis rigidis petiolis petiolulisque hirsutis, ad singulum pinnularum par uniglandulosis pinnis 3—5-jugi* pinnulis 7—8-jugis, foliolis oblongis vix aculis transis, margine subciliatis capsulis axillaribus hirsutis pedunculatis pinnatis formibus, margine biacutatis flonibus luteis legumine oblongo conaceo, utrinque angustato, marginibus ala parva notato pubenti, bivalvi — In Abyssinia
- 21 A XIPHOCARPA Hochst mss ex A Rich 1 c 210 — Ramulis subangulatis glabris, aculeis stipularibus rectis acutis albidis folus bipinnatis, saepius glandulosis, pinnis 20—25-jugis, pinnulis 20—25-jugis, foliolis minimis crassis lineari-obtusis, cum petiolulis vix ciliatis flonibus capitatis capitulis solitariis breviter pedunculatis axillaribus, flonibus leguminibus oblongis compressis crassisculis conaceis submarginalis, basi sensim attenuatis, apice abrupte et oblique acumatis, glabris bivalvibus, 4—5 uncias longis, 6—9 lineas latis — In Abyssiniae provincia Chire* crescit
- K A LAHAISTUD & HOCLIST mss ex 1 Rich 1 c — (Wlpr Repert I 913 no 276) — Glabruscula spinis maximis rectis acutissimis albidis, folus 6—12-jugi, foliolis 12—20-jugis parvis lineari-obtusis glaucis pubentibus, glandula sessili cyathiformi infra par infimum spicis solitariis pedunculatis, folia paulisper superantibus, flonibus sessilibus, corolla corollae triplo longior, ductibus longis slipitatis compressis ovalibus obtusis glabris conaceis, 2—2½ uncias longis, 12—15 lineas latis — Habitat in Abyssinia circa Adoua
- 23 A CAMPYCAMHA HOCLIST mss ex A Rich 1 c 242 — Ramulis tomentosis aculeis stipularibus binis, basi latis, apice aculis recurvis et unguem felinum nemulantibus. folus magnis bipinnatis pinnis 36—40-jugi-, pinnulis minimis lineari-obtusis cultiformibus subulatis, 45—33-jugis, margine subciliatis, petiolis petiolulisque villosis glandulosis, aut glandula cyathiformi infra singulum pinnae, spicis filiformibus 2—3 ex eadem axilla, folio brevioribus pedunculatis, pedunculo calycibusque subtomentosis, leguminibus compressis marginatis coriaceis glabris glaucisque, reiculatis, 3—4 uncias longis, 6—8 lineas latis — In Abyssiniae provincia Cliiré

Series V. VULGARES Benth.

- 24 A HECATOPITYLLA Steudel mss ex A Rich 1 c 242 — Ramulis junioribus Inermibus tomentosis, annuatis sublineatis aculealis aculeis infrastipularibus brevibus rectis, basi latis folus bipinnatis, pinnis 18—20-jugis, pinnule 40—45-jugu, foliolis linearibus obtusis, subtus pallidioribus, margine ciliatis, glandula maxima oblonga sessili ad basin petiole communi, racemis simplicibus elongatis linearibus, aggregatis, folio dimidio brevioribus pedunculo communi, calyce corollae tomentosis, corolla calyce triplo longiore leguminibus compressis latis marginatis glabris 4—5 uncias longis, vix unam unciam latis. — Habitat in Abyssiniae provincia Tigreensis.
25. A. ERYTHRANTHA Steudel mss ex A. Rich 1 c 243 — Ramulis pubescentibus, aculeis minimis multifloris stipularibus rectis pinnis 30—35-jugis, petiolo pubente glandulas sessiles quaedam anam ad basin et caeteras gerenti, pinnulis 40—50-jugis, foliolis minimis linearibus obtusis, ciliatis spicis oxillariis 2—3, foliolis brevioribus, calyce pubente, corollam fere aequante legumine . — Habitat in Abyssiniae provincia
- Semone**

- 2b. A. GLAUCOPHYLLA Steudel mss. ex A. Rich I. c. f — Inerrais fohis bipinnatis pinnis 3—6-jugis, pinnulis 15—20-jugis, oblongo-angustis cultnformibus obtusis glabns glauca, petiolulis petioloc basi glandula sessili nqiato pubenlibus; spicis axillanbus 1—2, folia subaequantibus densi(lous, flonbus sessilibus, corolla brevi, calcem vix duplo superante glabra, legummibus plants oblongis angustis glabns glaucisque ob'usis, 3—4 uncias longis, 5 lineas latis — Habitat in Abyssinia ad latera HUM Taccaze*
- 27 A. TRIACANTHA Hochst ms.s. ex A Rich 1. c.244 — Ramis aculeatis, aculeis Inbu., infrastipulanbus brevibus rectis aut subincums; folns 3—5-jugis, foliolis 10—14-jugis, oblongis obtusis aut subaculis dimidiatis cultuformibus glabernmis ginucisque; glandula parvula sessili versus petioh basin, spicis axillsribus folio longionbus, legummibus plants oblongis acuminaiis. membranaceis vix puberulis, 2%—3 uncias longis, 6—7 lineas laii9. — Habitat in Abyssimae provmcia Meda
28. A VENOSA Hochstett. mss. ex A Rich 1. c. — Ramis glabns; aculeis mfcaslipulanbus brevibus recurvis, pinms saepius 4—7-jugis, petiolo pilosiusculo, ad basin uniglanduloso, pinnulis 7—12-jugis, foliolis eluplico-oblongis aut obovah - obtusis brevissime petiolulatis glabns, ilonbus spicatis?, legumine latissimo 5—6 uncias longo 1 unciam lato, reiculdto-\eoso glabro bivalvi incrassato - marginato. — la Abjsiniae prov Chire*.
29. A. SANGUINEA Hochst. mss. ex A. Rich. 1. c. 245. — Aculeis infrastipularibus parvulis rocurvis folns 2—4-jugis, foliolis 5—8-jugis membranace s obovah - oblongis obtusissimis, margine subciliatis, glandula parva versus peioh basin, spicis axillunbus toho bi fvionbus Jaxiflom corolla rosea, calyce purpureo glabro tnplo longiori, legumimbus . >— Habitat in Abyssinia in convalle fluvn Taccaze'.
30. A AM\THETHOPHYLLA Steudel mss. ex A Rich. 1 c. — Inermis aut aculeis infrastipulanbus minimis ramulis pulverulentis, folns maxim is bipinnatis, pinms 25 — 30, foliolis 25—30-jugis parvulis angustis cultnformibus, apice obliquo vix acutis glabns, margine ciliatis. stipulis brevibus acutis spinescentilms, glandula oblonga sessili ad basin petioli, spicis capitaus multilloiis extremiatem digui aequantibus pedunculatis, versus medium braceis verlicillatis et paniculam leimnalem nudam efformantibus, legumimbus conaceis plains oblongis angustis, glabns, 5—6 uncias longis, semiunciam latis. —« Habitat in Abyssimae convalle ad 1L Taccaze*
31. A. PENTAGONA Hook, fil Nigei Flora pag. 331. — Frulicosa glabra aculeis plunmis sparsis recurvis, stipulis lineau-lanceolatis striatis persistentibus; glandula petiolan ele\aiia, pinms 6—10-jugis, foliolis ultra 20-jugis lineanbus, capitulis globosis subpamculatis; calyce corolla parum bi eviore, ovario glabrato. — Mimosa pentagona Schum. 8t Thonn — Wlprs Repert. I. 882. no. 199. — Affinis A. pennatae. — Crescii in Gape Causth et in Guinea
- 32 A. NIGRA Closs in Gay, Histoï de Chile (Bot) II. p. 253. — Inermis: caule pedali humifuso ramosissimo, ramis teretibus, folns bipinnalis, petiolo communi brevissimo, interdum subnullo, apice mucronato, pinms umjugis patentibus, foliolis 4—5-jugis parvis ellipticis pilosis, fusus vel nigrib, stipulis lanceolaiis squamulosis; pedunculis axillanbus brevibus 3—8-florid, corollis pilosis, legummibus oblongis pilosiusculis 1—4 - spermis. — Habitat in Chile.
- 33 A. POLYPHYLLA Closs in Gay 1. cit. p. 254 — Fruticosa inermis: ramis patulis teretibus; foliolis bipinnatis; petiolis longis, infra nudis, pinms 3—8-jugis, foliolis 30—40-jugis oblongis apiculalis subpuberuhis; pedunculis axillanbus 1—5, vix pollicaribus, floi um capitulis densis aureis, legummibus oblongis latis crenatis glabns cinerei9. — Chih.
34. A ROEMERIANA Scheele, Lmnaea XXI. 456. + — Frutex sexpedalis: rami angulati slnati glabn aculeati, aculei sparsi parvi validi nign nitidi, horizontaliter palentes, basi dilatati coinpressi. Stipulae minutae e basi ovata acuminatae. Rhachis sulcata nitidi glabra, in setam desinens, pinnae 1—3-jugae, foliola 4—8-juga petioluUta oblongo-olaha integemma glabra obfiqua, apice rotundata mucronata. Pedunculi axillares solitarn vel aggregati glabernmi, folio breviores. capitula hemisphaenca. flores rosei;

calycis glabri quinquedentati denies ovati acuminati; petala oblongo-spathulata acuta. calyce duplo longiora; stamina numerosissima longe ezserta libera. Legumina....? — Crescit prope Austin.

35. A. ft. 8. *Pennalae*) SARMENTOSA Dsvz. Journ. bot. I. 70. — DC. Prodr. II. 465. no. 175. — Species a '*Mimosearum* monographo silentio praetermissa, ex diagnosi data facile recognoscenda inter *A. tdmarindifoliam* Willd. et *A. pandentem* Willd. collocanda erit. — Wlprs. Linnaea XXIII. 749. f — Fruticosa, altissime scan dens, (ezceptis inflorescentiae ramificationibus petiolisque foliorum juniorum) glaberrima: caule petiolisque aculois par is retrorsum uncinatis sparsis armatis; foliis bipinnatis, petiolo supra basin glandulis 1—2 minimis depressis insiructo, pinnis 5—9-jugis, foliolis 12—24-jugis, c basl obliqua linearibus, utrinque rotundatis, obtusissimis, infra glaucescentibus; inflorescentiae terminalis ramulis adpresse puberulis; capitulis fasciculatis; floribus sessilibus: calycis corolla dinoidio brevioris dentibus obtusis: ovario longe stipitato, apiceni versus barbato; leguminibus pedunculatis, late linearibus, utrinque acuminatis, compressis 3—8 - spermis, glabris. — In insula Guadeloupe.

t Ieones addendae.

- A. LEPTONEURA Bnth. (Report. I. 892. no. 64.) — Hook. Bot. Magaz, tab. 4350.
 A. ONCINOPHYLLA Bnth. (Repert. I. 902. no. 165.) — Hook. Bot. Magaz. tab. 4353.
 A. PENDULA A. Gumm. (Repert. I. 900. no. 149.) — Mitchell, Journ. tropic. Austr. p. 285. c. ie. zylogr.
 A. ROTUNDIFOLIA Hook. (Repert. II. 905. no. 1.) — Paxton, Magaz. of bot. XV. 123. c. ic

XXII AIBIZZIA *Durazzini*.

(Bnth. in Wlprs. Repert. V. 595, Annal. I. 266.)

1. A. ALTISSIMA Hook. fl. Niger Flora pag. 332. f — Ramulis petiolisque ferrugineo-puberulis; stipulis subulalis deciduis; pinnis 5—6-jugis, foliolis 8—muhijugis llneari. oblongls inaequilateris glabris; glandula in petiolo et inter pinnas supremas; pedunculis solitanis axillaribus; capitulis amplis multifloris; floribus sessilibus glabris: calyce tubuloso quinquefido corolla dimidio brevior. — Grescit in Cape Coast et Aboh in Africa tropica occidentali (Nigritia).
2. A. (ACACIA Steudel mss. - INGA A. Rich. Tent. fl. Abyss. I. 235.) MALACOPHYLLA Wlprs. mss. — Ramulis inermibus lbiisque ferrugineo-tomentosis, pinnis 3—6-jugis, petiolo basi uniglanduloso petiolisque tomentosis, pinnulis 10—12-jugis; foliolis elliptico-oblongis obtusis vix mucronulatis, superne puberulis, subtus ferrugineo-tomentosis, terminalibus obovdlibus; capitulis axillaribus pedunculatis; floribus purpureis; calyce corollaque sericeis; staminibus monadelphis; leguminibus planis. marginibus subincrassatis 4—7 uncias longis, unciam latis, pulverulentis siccis bivalvibus. — In Abjssinia provincis Sana ft Chire*.
3. A. (INGA A. Rich. 1. c.) QDARTINIANA Wlprs. mss. — Inermis: follis maximis bipinnatis, pinnis 3—4-jugis. foliolis 8-12-jugis ellipteis obtusis aut oblique apiculatis. basi inaequilateris. superne pubentibus. subtus cinereo-tomentosis. gkdula aessili ad basin petioU communis pubemis. et glandule minori !n petiolulis ad paria suprema foliorum; floribus capitatis; capitulis pedunculatis; leguminibus planis, 8-10 uncias longis. 8—10 lineaa la Us. griseo-puñentibus Incrassaio-marginalia. — In Abyssinia non procùl a fluvio Mareb.
4. A. (INGA Hochst. mss. ex A. Rich. 1. c. 237.) WEFASIA Wlprs. mss. - Spinosa: spinis rectis brevibus; ramulis hirtis; stipulis rigidis rectis subaculeiformibus; petiolis basi uniglandulosis petiolisque pilosis, pinnis 8—10-jugis, pinnulis 20—30-jugis, foliolis coriaceis linearibus, obtusis piloso-cillialis; floribus albis capitatis, capitulis pisiformibus axillaribus 2—4, pedunculatis; legumine oblongo subobtusato cQriaceo laevl glabro, blyvalvl. — In Abyssinia.

- 5 *A. SERICOCEPHALA Bnth — Wlpi* Repeit V 597 no 17 — *Inga sericocephala*
A Rich Teni fl Abyss I 236
- b 'A ISEMBERGIANA Bnth — Wlprs. 1 c 1. 925 no 15. — *Inga Jembergiana* A •
Rich 1. c

XXIV. CALIiIASTRA Bnth.

(Bnth. in Wlprs Reprt I 925 V 599, Annal I 266)

- 1 C (?) HERBACEA A Gray Plant Fendl. 39 no 150 — Caule humili erecto flexuoso adpresso piloso stipulis lanceolatis nervosis folis longe petiolatis, pinnis 3—4-jugis. foliis 20—30 obliquis oblongis obtusiusculis ciliatis, supra glabris, subtus laxe reticulatis adpresso pilosis capillis florum bimis folio brevioribus, paucis (8—10)-floris calycibus tubulosis 4—5-dentatis, dentibus obtusiusculis apice parce pilosis, laminae 25—30 corollam longe superantibus — Crescit in Nova Mexico.
- 2 C CUAMAEDRYA A Grav 1. c adnot — Fruticosa humilis ramulis petiolis brevibus eglandulosis pubescentibus, foliis 2—3-jugis raris unijugis, foliis 6—12-jugis minulis ovalis obtusis seu acutiusculis, supra glabris subtus pilosis stipulis subulatis rigidis citatis subpersistentibus, capitulis breviter pedunculatis singulis binisve paucis (4—8)-floris liliatis hermaphroditis calyce campanulato subinaequaliter 5-dentato, dentibus obtusis pilosis corolla tubuloso-campanulata calycem ter quaterve superante ad medium circumscissile extus parce pilosa (purpurea), lobis lanceolatis acutis subaequalibus staminibus polyadelphis basi in lobum connatis elongatis tenuissimis circiter 35 ovario lineari lanceolato, ad suturas incrassato glaberrimo stylo tenuissimis capillaceo stamina superante, stigmate capitato legumine linearilanceolato stipitato acuminate (immature) atbo-sensu, margine valde incrassatis subnudo — In Mexico ad Chihuahua
- 3 C. CALOTHYRSUS Meisner, Linnaea XXI 251 + — Ramis glabris, apice subangulatis stipulis deciduis pinnis 12—14-jugis, lacinis puberulis petioloque eglandulosis foliis 40—60-jugis oblongis acutiusculis vel submucronatis ciliatis, obscure uninnervis rectis thyrsi terminalibus glaberrimis aphyllis interrupti ramis bicoloribus simplicibus lasculatis umbellatim paucifloris pedicellis corolla brevioribus, calyce cupulato brevissimo circumscissile quam corolla semi-5-hada quadruplo brevior legumine ..
— Habitus et inflorescentia omnino *C. Hustoni*, *glandiflorae* et affinium, sed ab omnibus distincta floribus glaberrimis diindio minoribus. — Crescit in silvis montanis prope flumen Mirn pastorkreek in Surinam

+ *Leone** addendae.

- C BREVIPLS Bnth (Repeit V 604 no 34) — Hook Bot. Magaz. tab. 4500 — Van Houtte, Floie des serres VI 33 tab 549.

XXV. PITHECOLOBIUM Mart.

(Bnth in Wlprs Repeit I 931 V. 608, Annal I 26?)

- 1 P (*Unguis Calij PANAMENSE* Walp et Duchass Linnaea XXIII. 746 f — Ramis petiolisque glabris. stipulis spinecenis validis brevibus, subrecurvato-hamatis: foliis oblique ovatis, acuminate obtusiusculis, utrinque glaberrimis nitidis, spicis breviter pedunculatis, densis folio brevioribus, floribus adpresso puberulis. calyce circumscissile. corolla infundibuliformi sexies octiesve brevior, ovano glabro. — Differt proxima *P. hymenaeatfoho* Bnth spicis stipularibus validis subhamatis et calyce quam corolla sexies octiesve brevior — Crescit in isthmo Panamensi

1. *P. SPLITGERBERIANUM* Miq. Stirp. Surinamens. sel. p. 5. f — Ramulis, rhachidibus, foliolis sublus pedunculisque pills raris inspersis glabrescentibus; pinnis biraro unijugis; petiolo communi uni-, rhachidibus pauciglandulosis, foliolis 2- vulgo 5—6-jugis brevissime petiolulatis membranaceis, supra glabris, inaequilateraliter subdimidiaio - lato - ellipticis, utrinque obtusissimis; pedunculis axillaribus fasciculatis (3-nis v.6-nis) folium aequantibus vel eo brevioribus; racemis contractig ovatis; calyce membranaceo campanulato quinquedentato rufule puberulo pedicellum puberulum paulo superante; corolla campanulato - infundibuliformi quinquedentata glabra calyce duplo longiore; staminum tubo brevi, filamentis exsertis. — Crescit in Surinam.
3. *P. (Samanea) KEGELII* Meisner, Linnaea XXI. 249. f — Ramulis novellis petiolisque fusco-puberulis; foliorum pinnis 4—6-jugis, foliolis 10—16-jugis, herbaceis oblongo-trapezoides mucronulato-acutis, tenuiter venosis, utrinque glaberrimis subcoloribus, glandulis jugalibus petiolaribusque nullis (?); pedunculis axillaribus solitariis pedicellis brevisis tomentellis; floribus magnis; calyce tenuiter striato fere 7a corollae dense sericeo-pilosae aequante; legumine....? — Crescit ad ripas fluminis Cassepoerekreek in Surinam.
4. *P. MIQUELIANUM* Meisner, Linnaea XXI. 250. + — Ramulis petiolisque glabris; glandula oblonga crassa supra basin petioli, jugalibus parvis rotundis concavis; pinnis 5—7-jugis, rhachi puberula, foliolis 20—26-jugis coriaceis linear!-oblongis obtusiusculis, basi antice dilatatis (subscapelliformibus) uninerviis aveniis, supra nitidis, subtus pallidioribus; pedunculis terminalibus, umbellato-aggregatis brevibus tomentosis; floribus in receptaculo subgloboso areolato sessilibus, fulvo-tomentosis, corolla calycem 2—3-plo superante, staminum tubum aequante, dentibus calycis brevibus ovatis. corollae lanceolatis triplo longioribus. — Accedit ad *P. Marlianum*, *Berterianum* et *fragrans* Bnth*, sed jam inflorescentia distinctissimum. — Crescit in sylvis umbrosis humidis prope Joden-Savanna in Surinam.

f Icon addenda.

- P. GLOMERATUM* Bnth. (Repert. V. 616. no. 46.) — Miq. Stirp. select. Surinam. 3. f lab. 1.

XXVIII. TNGA Mart.

(Bnth. in Wlprs. Repert. V. 622, Annal. I. 268.)

1. *I. (Burgonia) SPRUCE AN A* Bnth. in Hook. Kew gard. misc. II. 239. + — Glabra vel vix puberula: foliolis 4—5-jugis ovatis oblongisve obtuse acuminatis, basi inaequaliter angustatis submembranaceis, petiolo vix sub jugis dilatato, glandulis elevato - scutellatis; spicis aggregatis breviter pedunculatis breviterque obiongo-cylindraceis; calyce oyoideo corolla triplo brevior; tubo stamineo longe exserto. — Petioli 4—7-pollicares, foliola 3—4-pollicaria, 1—2 poll. lata. — Habitat in Brasiliae prov. Parafinsi.
- * *I. (Pscudinga % 5. Vulpinac) MUCUNA* Wlprs. 8c Duchass. mss. — Arborea: ramulis junioribus, petioli* pedunculis leguminibusque pills densissimis horizontalibus ferrugineis arctissime vestitis; foliis paripinnatis quadrijugis, foliolis ovalibus vel obovato-subrotundis, in acumen longum abrupte attenuatis. utrinque, sed praesertim infra molliter hirsutis, petiolis late alatis, glandulis inter foliolorum paria parvis cupulaeformibus; spicis axillaribus breviter pedunculatis multinoris; calyce glabro longitudinaliter striato, quam corolla hirsutissima plus dimidio brevior; filamentorum tubo Jongissime exserto; bracteis brevibus triangulari - attenuatis hirsutis; leguminibus planis compressis arctissime pills fulvis rigidis vestitis, intus pulpa alba dulci fartis. — Species ex characteribus *Vulpinis* adscribend[^], quarum nulli tamen affinis. *Inga velutina* Willd. Sp. pi. IV. 1014, quam Mimosearum monographus, licet ejus legumina non vidisset, tamen inter Euingas ctillocabnt, cum specie nostra satis bene congruit,

differt ex descriptione glandularum in apice petioli — Petioli 5—11-pollicares Lite aloti, aliter utrinque saepe 4 lineas latis Foliola infima 3-pollicana, 2 pollicares lata supreme obovato-subrotunda, 5—6-pollicana, 4 pollicares lata, vix ovata 8-pollicana, 3 pollicares lata, omnia in acumen saepe ultrapollicare abrupte attenuata, glandulae inter foliola sessiles cupuliformes, saepe pilis fulvis absconditae, stipulae brevissimae persistentes triangulares, densissime fulvo-pilosae, facie interna glabrae Pedunculi axillares 1—1/2-pollicares, spicae 1—1/2-pollicares multiarticulatae, floribus deciduis Bracteae caducae triangulari-lanceolatae 3 in longum, lineam latae hispidae ciliatae Calyx 6—8 in longum glaber longitudinaliter muricatus 5-dentatus, uno latere profundius fissus. Corolla gracilis tubulosa sesquipollicans pilis longis adpressis densissime obiecta Tubus stamineus ultra bipollicans, sursum in phalanges et filamenta liberam ubi Legumina pedalia, 3 in longum lata (ex adnot. Duchass) arctissime pilis patentibus nigridis fulvis vestita, utraque sutura canaliculata — Habitat in isthmo Panamensi

- 3 I (*Euinga* & 1 *Suiatae*) COMEWYNENSIS Miqu Stirpes Sunnamenses selectae pag. 1 f — Ramulis junonibus angulatis, petiolis foliolisque subtus parvissimo pilosulis glabrescentibus rachis alata, ala inter media juga raro deficiente, foliis quadrijugis brevissimae petiolulatis oblongo-clipticis acuminatis, basi acutis vel obtusiusculis, venis duodenis vel quindenis erecto-patulis glandulis sessilibus parvis pedunculis axillaribus geminis longiusculis spicis ovoideis bracteis hincolatis membranaceis dorso puberulis calyce brevioribus caducis calycis semipollicans tubulosi stnati glabri denticulis pilosulis corollae tubuloso-infundibuliformis extus sericeo-villosae V* Parte *cxsorta* — Crescit ad flumen Commervne
- i I *rFumga* S* 4 *Fnanthae* PAUCIPLORA Duchass et Walp Linnæa XXIII. 746 f — *liborei?* ramulis, petiolis foliorum nervis infra pedunculis calycibusque densissime ferrugineo-pubescentibus foliis trijugis conatis, supra nitidis, dense pilosulis sublus adpresse pubescentibus ovatis vel ovato-lanceolatis, acutis retusisve, pans infimi minoribus supremi maximis, spicis soli ternis geminisve, axillaribus vel ad inflorescentiam tenninalem racemoso-paniculata dispositis, laxis, multifloris, bracteis squamiformibus deciduis, calyce pyriformi-campanulato medio sessilibus multo brevioribus, corollae hinc sutissimae calyce dimidio longioris lacinus ovato-lanceolatis acutis — In isthmo Panama mensi
- j I (*Euinga* S 5 *Veiae*) GALIBICA Duchass et Walp 1 c 747 f — Arborea ramulis, rachidibus foliorumque nervis utrinque, pedunculis calycibusque ferrugineo-pubescentibus, foliis quadrijugis ovatis obovatisve acutis (extimis maximis), supra nitidis, infra palhdionibus, utrinque in nervis praecipue pilosulis, pedunculis elongatis, folio dimidio brevioribus, apice paucifloris, bracteis minimis squamiformibus, rotundatis, acutis, caducis calyce pedicellato tubuloso-campanulato quinquedentato, corollae hirsutissimae calycem lere duplo superantis lacinus lanceolatis acutis — Guadeloupe
- b F MEISNERIANA Miqu Stirp Sunnam select 2 f - Hamis stnatis lenticellosis. ramulis angulatis rubiginoso-tomentellis, foliis breviter petiolatis, rachis anguste alata, foliis 5—6-jugis, brevissime petiolulatis cliptico-oblongis sublanceolatis breviter acuminatis mucronatisque, basi hinc subinaequah rotundatis, mediis subovatis parvis, superioribus multo longioribus, omnibus supra in costa dense, caeterum parce puberulis nitidis, sublus palhdibus pubescenti-hirtellis, vems circiter demum subtus lenticulatis, spicis axillaribus sohternis vel geminis pedunculibus aequantibus vel superantibus elongato-comcis, bracteis fugacibus late ovatis calycis tubuloso-campanulati fusco-tomentellis dentibus ovatis acutiusculis, corolla calyce triplo longiore sericeo-villosa — Crescit ad ripas fluminis Sunname
- 7 I BEMHAMIANA Meisner. Linnæa XXI. 253 f — Ramis teretibus. apice subcompressis angulatis cum petiolis pedunculisque fulvo-lomentellis, foliis 3—4-jugis subconatis ovah-oblongis acutis vel breviter acuminatis utrinque minute puberulis,

supra demum glabrescentibus nitidis; pedunculis axillaribus 2—4 aggregatis, supra medium floriferis; spicis brevibus ovoideis laxiusculis; bracteis ovalibus obtusis concavis caducis, calyce dimidio brevioribus; calyce dimidiam corollam subaequante cylindraceo, basi obtuso tomentoso, denibus brevibus obliquis; corolla infundibuliformi, adpresse sericeo-pilosa, laciniis lanceolatis acutis; staminum tubo incluso; legumine . . .? — Proxima *l. verae* Willd. et *spuriae* H.B.Knth., sed ab utraque discrepans floribus minoribus bracteisque; nec non affinis *l. distichae* Benth. sed pubescentia et aliis notis distincta. — Crescit in sylvis Surinamensibus prope plantationem Tourtonne.

f *Genus leguminiferum vix notum.*

B E S E M A A. Rich.

1. B. ANTHELMINTICA A. Rich. Tent. fl. Abyss. I. 253. — Rami lignosi glabri, cortice cinereo tecti; folia bipinnata, pinnis 2—3-jugis; foliola paripinnata, 2—4-juga, obovalia, obtusa aut subacuta, basi inaequilatera, utrinque glabra, subtus reticulata, majora 1 unciam longa, 4—7 lineas lata. — ID Abyssinia prope Adderbati.

f f *Genera prorsus incognita.*

MA VIA Bertoloni.

(Bertol. Miscell. bot. XI.; Rendiconto delle sessioni etc. Anno 1849—50 ex Bot. Zeitung IX. 920.)

1. M. JUDIGIA Bertol. 1. 1. c. c. — Radix venenata. — Mozambique.

PHIiCSBOSPRIUM Jungh.

(Jungb. Reise durch die Insel Jara p. 346.)

1. PHL. CYTISOIDES Jungh. 1. c. - Java.

Ordo LXXIII. GHRTSOBALANEAEE it *Br*

Włpr̄s. Repeit II. 3 ft 907 V 646, Annal. I. 270 — *Rosaceaium* Tnb. I DC Piodr II. 525)

6408 MIRTELiia *Linn.*

(DC Prodr II 528 — Włprs Repeit. II 3 V. 646, Annal I 270)

- 1 if HISPIDULA Miqu. Stup Surinam, select, p 27 f tab 703 — Ramulis petiolisquo dense folnsque subtus in nervis pilis patenlibus hispidulis, illisque simul puberulis, folns e basi rotundata oblongis acuminatis, supra praeier costam puberulam glabrescentemque glabns, venis octoms vel novenis patulis ante margin em unitis, stipulis linean - lanceolatis membranaceis hispidis (an ghndulosis⁹), racemis axillanbus pedunculatis folium superantilus hispidulis puberulisque, bracteis lineari - flhformibus puberulis parceque hispidulis glandula scutelliformi terminalis et secus margemes minoribus sessilibus mstructis, calycis lobis oblongo-lanceolatis obtusiusculis concaVls, dorso medio marginibusque hispidis tenuiterque puberulis, stamimbus fertilibus 5 vel ran us 4, styli Vi — V» parte inferiore hispida — Crescjt in Surinam.

loon addenda.

- H HEXANDRA Wjlld. - (DC. 1 c. 529. no. II.) - Miqu. Stirp. Sunnam select. 26. f tab 7. A.

6409. IiICASTIA *Aubl.*

(DC Prodr. II 527 — Włprs. Repert. II 5, Annal I. 270)

- 1 L (*Euhcama*) MICRANTHA Miqu Stirp Sunnamens. select, pag 29. f — Foliis breuter petiolatis late ellipticis obtusis Tel brevissime obtuse apicnlatis, basi rotundata breviter subacutis, crasse conaceis, supra nitidis glabns, subtus tomento imperceptibili subochraceis venisque costalibus quinis ascendentibus validis tenere reticulatis, spicis axillanbus et termmalibus pamculato-ramosis ochraceo-tomentellis, lamis patentibus bracteis linean-lanceolatis appressis bistipulatis suCTullis, flonbus plerumquo fasciculatis sessilibus semilineam circiter longis calycis incano-tomentelli oblique breviter campanulati dentibus 5 brevibus ovato-tnangulanbus — Crescit m Surinam
- 2 L. (*Hymenopusj*) MACROPHYLLA Bnth in Hook Kew gard misc. II. 240. + - Folu« oblongis breviter cuspidatis, basi obtusis obliquis glabns nitidis, pamcula divancato-ramosa canescente, ramuhg compressis, norum glomeiulissessilibus, calycibus ovalo-

campanulatis minute pubescentibus 4—5-dentatis; petalis 4—5; staminibus fertilibus 5—6. — Folia 9—11-pollicaria. 2¹/_{*} poll. lata. — Habitat in Brasilia Paraensi.

6410. JtEO^UUbEA Mart, §f luce.

(DC. Prodr. II. 526. — WJprs. Repert. II. 6. Y. 647, Annal. I. 270. — *Couepia* Aubl. — DC. I. c.)

1. M. (COUEPIA [*Hcmicouepia* Bnth.]) GLANDULOSA Miqu. Slirp. Surinamens. select, p. 28. f — Ramulis foliisque glabris, his breviter peliolalis inaequilateraliter oblongis, breviter obtuse vel acutiuscule apiculatis, basi acuta vel obtusa subtus utrinque 1—2-glandulosis, venis circiter novenis erecto-patulis; racemis corapositis cum calycibus puberulentis; floribus pedicellatis; bracteis caducis; calycis tubo elongato clavato obliquo sulcato, lobis 5 ovalibus obtusiusculis; petalis oblongis glabris; staminibus 15 fertilibus fere ½ verticilli occupantibus; ovario dense hirto; stylo fere toto retrorsum villosulo. — Crescit in Surinam.
2. *M. (COUEPIA) STEUDELIANA Miqu. I. c. 28. f — *Hirtella cognata* Steudel. - WJprs. Repert. V. 646. no. 5.

6411. PARDTARICTI Juss.

(DC. Prodr. II. 526. — WJprs, Repert. II. 7. V. 647.)

1. P. POLYANDRUM Bnth. in Hook. Niger Flora 333. f — Foliolis oblongis ovatisve coriaceis glabris nitidis, basi biglandulosis; calycis subaequalis crassi laciniis petalisque orbiculatis obtusis; staminibus numerosis (circa 40) in orbem fere completum dispositis. — Habitat in Africa tropica occidentali.
2. P. GRIFFITHIANUM Bmh. in Hook. 1. c. 334. adn. f — Foliis oblongis acuminatis coriaceis glabris nitidis, basi biglandulosis; calycis subaequalis crassi laciniis petalisque orbiculatis obtusis; staminibus fertilibus numerosis (circa 25) unilateralibus, sterilibus paucis minimis. — Habitat in Malacca.
3. P. CURATELLAEFOLIUM Planch, in Hooker 1. c. 333. f — Foliis oblongo-ellipticis obtusis, basi inaequalibus, novellis subtus niveis, adultis concoloribus coriaceis, margine supra scabrellis, subtus tomentellis; calycis vix inaequalis laciniis lanceolatis acutis; staminibus fertilibus (circa 8) unilateralibus. — Crescit in Nigritia prope Patteh et ad Quivium Senegal.

- ijssimis membranis coloratis* conveniunt paleae adnatae antheris patentibus obtusissimis duplo longiore, foliis (5—7; tenuibus, subtus pubescentibus simpliciter scissis, pedunculis in apice ramulorum 1—4 subcorimbosis glabris, lateralibus bibracteatis (bivibus) — *R. Camtschatica* Eiman — Habitat in Kamtschatka prope fluvium figul in planitie inter Chertschinsk et Schiwelutch
- J R KORSCHYANA Boiss Diagn plant orient nov X pag 3 f- Ramis glabris glaucescentibus - rubellis aculeis stipularibus subaequalibus flavidis patentibus recurvis compressis, foliis 7—9 ovatis simpliciter et acute serratis utrinque dense tomentosis subtus pallidioribus* stipulis ramulorum foliorum sublongioribus utrinque in ramulorum apice 2—4 raris solitariis bracteatis lacinis calycinis terminalibus e basi triangulari lanceolata longe acuminatis imbricatis* corollae subaequalibus tubo calycis glabro raris stylis brevibus libens in discum approximate fructu ovato glabro lacinis* calycis deflexis corollae longioribus connatis, carpellis sessilibus — *R. onentalis*, var. '*R.*' Habitat in Persia australi in uerticibus montis Kuh-Daena
- 4 R (*Camnae*) LIBANICA Boiss 1 c p 4 f — Pumila ramis junioribus magis minus glanduloso-pubescentibus, adultis glabris tuberculatis aculeis sparsis compressis patulo - subaequalibus stipulis foliorum floralium multo longioribus semiovatis foliis 7—9 ovalibus irregulariter duplicato-serratis, serraturae paulis utrinque breviter, subtus copiosius puberulis glandulosisque, glandulis marginalibus breviter stipitatis, caeteris sessilibus utrinque ad ramulorum apicem axillaribus subsessilibus bracteatis, pedunculis paucis setosis caetero tubo brevi obcompresso praeter setas nonnullas apice glandulosas saepe ellipticas glabro, lacinis corollae aequantibus, supra medium angustatis, supra perne spatulato-dilatatis denticulatis stylis brevibus libens, fructu .? — Crescit in Libano superiori supra Cedros
- 5 R (*Camnae*) SAINCTA A Rich Tent, fl Abyss 1 262 f — Dumosa ramulis glabris glaucescentibus aculeatis, aculeis saepius parvis recurvis, foliis saepius 5 ovalibus suboblongis, praesertim subtus dense pubescentibus subvillosis. margine subdentatis, dentibus latis parvis mucronatis, stipulis axillaribus, apice demergente vix aculeis, marginibus* subglandulosis floribus purpurascens (magis magis media) corimbosis, pedunculis brevibus glabris, glandulis raris conspersis, tubo calycis obovato glabro glauco eglanduloso, lacinis ovalibus-oblongis, apice appendice foliacea terminali tomentosis duabus subpinnatifidis ciliatis, stylis numerosissimis libens lanatis, tubo calycis (ino duplo longioribus) — In Abyssinia prov. Tigre
- h R (*obolci*) PHOENICIA Boiss 1 c f- Ramis sarmentosis elongatis. aculeis sparsis. subcompressis bivibus paleae adnatis, stipulis omnibus subconformibus anguste linearibus, apice subulato-acuminatis foliis quinque, foliorum superiorum terms ovatis ellipticis obtuse argute et simpliciter serrato-dentatis, dentibus acuminatis subaequalibus supra glandulosulis non nitulis, subtus pallidioribus breviter pubescentibus eglanduloso floribus in paniculas terminales multifloras compositas corimbosas dispositis paucis bracteis pubescentibus oblongo-lanceolatis acuminatis persistentibus pedunculis glabris glanduloso-hirsutis tubo calycis glaberrimo caesio anguste elliptico, basi et apice attenuato, lacinis oblongo-lanceolatis longe caudato-acuminatis supra medium saepe triangulatis, post anthesin deflexis, tubo longioribus integris vel utrinque 2—4 lobulis sublinearibus auctis pinnatifidis petalis multis lacinis calycis superantibus stylis in unum connatis fructu » — Crescit in sepibus humidis Phoeniciae in montibus calidis circa Hevroun Tiipoli et in Cilicia

j- Icoti addenda.

Tribus II. *DRYADEAE* Vent — DC. 1. c. 549.6360. *RITBUS* Linn.

DC Prodr II 656 — Wlprs Repert II 11 a 912 V 649. Annal I 272 ft 972 — Le sjeme *Rubus* consideié au point de MIC de l'esp[^]cc par D A GODRON, Dr. ès sciences directeur de l'école de médecine de Nancy — Nincy 1850 8^{N0} pp 31 ')

- 1 R *COLEMAINM* Bloxam mss in Knbvs Flora of Leicesteishire 38 — Caule glabro angulato, aculeis numerosissimis rectis subdeclinatis sparsis e dilatati basi onundis obsito, aciculis setisque interjectis paucis, folns quinalis lernatisque \indibus, supra sparse pilosis, infra pallidionibus dense pubescentibus, foholo intermedio orbiculari cordito abrupte cuspidato, foliolis duobus inflmis sequentia obtegentibus v pamcula longa angusta foliosa, ad basin lamosa ssetosa aculeis numerosissimis rectis declinatis armata calyce reflexo — Differt a *dumeloium* imprimis forma foholi terminahs et directione calycis — In Bntanma ad F'ackington
- ‡ R *CALVATUS* Bloxam 1 t 42 — (aule ai ruato angulato sulcato pilis subdestituto, ubi solis radns expositui, mtido aculeis ^alidis declinatis (not confined to the angles), loins m9gms quinalis utnnque Mridibus pleiumque non pilosis, nervis prominuhs solummodo evidencler pilosis foliolis omnibus petiolulatis, central! ovali v ovato-cordato, acute profundeque apiculato - dentatis acuminatis, pamcula longa flezuosa, ramis numerosis axillanbus mulnnonis, ad apicem fere usque foliosis, pedunculis dense pilosis, aculeis longis dense armatis, calycis to men to si sepalis laxe reflexis ante et post anthesin — Affinis *R sylvatico* — In Britannia, Leicestershire
- 3 R *MUCRONATUS* Bloxam 1 t 43 - Caule tercti v vix angulan, prope basin densius, iuperne laxius piloso. aculeis paucissimis panulis rectis folus tenuibus qumntis utnnque virenlibus pilosulis. intimedio cordalo-oibiculan v late ovato abrupte cuspidato. pamculae parvae ramis plerumque 1—2-flons rarms ultra triflons. longe pedunculatis, rhachi dense cineieo-tomenlosa inleimiyilis glandulis setisque — In Britannia.
- i R *E\SUCCLS* Steudel mss ex A Rich Tent 11 Aby.s I 256 — Ramis teretibus petiolisque fuho-loraentosis aculeitis, aculws recums foliolis snepius 5, lateiahbus hruiler, terminali longiuscule petiolulatis. ovah-oblongis acuminatis. basi obtusis, inargine duplicato -serratis, superne pubentibus, siibtus subQavo - tomentosus, in nervo medio aculeatis slipulis linean-lanceolalis. pamcula thyrsoida terminal!, stipata folus smipUcibus. iuagnitudine sensim versus taulis apicem decrescentibus. sepalis lanceolatis, carpellis in capitulum ovoideum aggregatis oblpngis compressis subarcuatis siccsjs foveolato - reticulatis glabus — Habitat in Abyssimiae prov Semiene
- > R *PETITIAMJS* A Rich 1 c — Ramis teretibus petiolisquo subflavo-vuldi-tomen-tpsii aculeatis, aculeis recurve, foliolis 3. laterahbus MX petiolulatis, terminali majon petiolulato, omnibus figura vams ovali-obtusis seu acuminatis, aut fere suborbicularibus mciso-serratis, terminali ahquando sublobulato, in nervo medio subaculeatis, superne. tæd praeserlim subtus dense pubentibus, concolonbus. stjplulis lanceolatis acutissimis, flonbus subcorymbosis sepalis ovalibus, apice abrupte acuminatis. carpellis .? — Habitat in Abyssimiae prov Ouodgrate
- l R *QUARTITIANUS* A Rich 1 c 257 — Ramulis subangulatis petiolisque palhde tomentosus aculeatis, aculeis subrecurvis folns pinnatis. foliolis 5 v ranus 3, superne vix pubentibus, subtus albido - tomentosus, in nervo medio aculeatis, lateralibus ovalibus •cutis, baç obtusis, margine inciso- et duplicato - serratis, terminali laliori inci&o-lo-bato stipulis lmeaibus flonbus apeialis in axilla fohorum supremorum soittams aut •n pedunculo communi 2—3, aculeis parvis in ptdunculo et usque ad basin calycis, sepalis ovali - oblongis acuminatis — In Abyssimiae prov. Ghire

) In hac dissertatione specie no\ae nullae lepenuntui

7. *H. LEUCANTHUS* Junce, Pl. nov. Austr. Chin, dingn. ined. pag. 11. — Cuule fruticoso torctiusculo glabro brunneo, oculcis recurvis cinnmomeis armato; foliis ternatis, pinnis breviter petiolatis ellipticis glaberrimis scrralis longe acuminatis, nervo medio subtus aculeato; paniculis 3—8- floris brevibus axillaribus; floribus albis; bracieis 2—3-fldis, spgmentis subulalis; sepalis cilialis oblongis obiusis, apice apiculatis; petalis oblongis sepala vix supcranlibus; staminibus numerosissimis; fruciibus ovoideo-subglobosis rubris, carpellis numerosis. — *II. fraxinifolio* Poir. proximus videtur. — Habitat in insula Hongkong Chinensium.

6363. POTKHTTIIlilia Linn.

(Seringe in DC. Prodr. II. 571. — Wlprs. Repert. II. 26 a 912. V. 651, Annal. I. 278. — *Christ. Lehmann*, Novaram et minus cognitarum stirpium pugillus nonus, addita nova recension* nec non enumeratione specierum omnium generis Potentillarum earumque synonymia locupletissima. — Hamburgi 1851. 4. pp. 78 *).

Sect. 1. FRUTICULOSAE et SUFFRUTICOSAE Lehm. 1. c. 31.

1. Foliis inferioribus pinnatis, inter mi oct is in nonnullis foliis ternatis.

Corollis albis s. roseis.

- I. *P. SALESSOWII* Steph. in Mdm. de la soc. des natur. de Moscou II. pag. 6. tub. 3. Scr. in DC. Prodr. II. pag. 583. no. 81. — Spreng. Syst. Veg. II. pag. 535. no. 26. — Lehm. Monogr. gen. Potent. pag. 25. no. 2. — Nestl. Monogr. de Potent, pag. 31. no. 2. — Willd. Enumerat. I. pag. 55V.
P. discolor Jacquemt. Voy. dan⁹*TInde IV. pag. 53. tab. 65. — Wlprs. Repert. II. 30. no. 46.
Comarum Salessowii Bunge, Ind. sem. hort. Dorp. 1839. — Lcdeb. Fl. Ross. II. no. 63. no. 2. — Wlprs. Repert. II. 26. no. 1.
7. *LINDENBERGII* Lehm. in E. Otto. Garten - und Blumenzeitung VII. 339. f — Suffruiicosa: caulibus brevibus, basi valde lignosis dnnsc congestis subbifloris; foliis inferioribus longe petiolatis bijugis, suinmis ternatis, supra glabris, sublus sericcopilosis, foliolis scssilibus, summis cenfluemibus. laieralibus late lanceolatis integerrimis, terminali cuneiformi tridentato truncato; floribus pnrvis; segmenlis calycis subnoqualibus ovato-lanceolatis; petalis obovatis integerrimis, oalycem paullo superanlibus albis. — In India oriental!
3. *P. XYLORRHIZA* Boiss. et Hohenack. in Boiss. Diagnos. plant, novar. X. pag. 5. f — fiehm. Revis. gen. Potent, cum icon, (inedit.) — Suffruiicosa : rhizomate lignoso duro rraso, cortice in pelliculas tenues innumeras secedente vesiiito, apico ramosissimo, raniis brevissimis squamosis in caftspitem congeslis; foliis ad ramulorum apicem paucis, basi stipnlis numerosis squamaeformibus rufescenlibus pubescentibus suffullis parvis breviter petiolatis pinnatim 5-foliolatis, foliolis superne adpresse birtulis, subtus sericeis oblongis, basi attenuatis, apice rotundalis integris vel obsolete.tridentatis. duobus inferioribus remotiusculis, tribus superioribus palmatim disposilis ; pedunculis <> centro foliorum 1 vel 2 unifloris, folia vix supcrantibus ebractcutis; floribus albis; calycis adpresse sericei laciniis exterioribus lineari - oblongis obtusis vel acutiusculis.

¶ **anc ^^^^w nem, monographiae majoris iconibus multis illustrandae prodromuna illustrissnnus auctor pro eximia sua liberalnate mecum communicavit. ui eam in Annales recipere addiditque simul nonnuUas adnotstiones novns suo loco adjiciendas.

terioribus duplo longioribus tatoribusque triogutari-lan«colati» breviter acuminatis; petalis . . . ; toro pilosissimo; carpellis?— Crescit in rupibus septentriomilibus vallis Loura montis Elbrus.

P. DAVURICA Nesil. Monogr. png. 31. tab. 1 bis. — Cehm. Novar. et minus cognilar. Mirp. Pugill. HL pag. 6. — Wlprs. Repert. 11. 31. no. 32.

P. glabra Lodd. Rot. Cab. X. tab. 914. — Ledeb. Fl. Ross. II. pag. 62 no. 60. Ejusd. Icon, plant. Fl. Ross, illustr. II. tab. 173. — Hook, in Dot. Magaz. tab. 1676. — Ser. in DC. Prodr. II. 585. no. 84.

P. fruticosa (S. *Davunca* Lehm. Monogr. pag. 32. — Ser. in DC. Prodr. II. pag. 579.

P. fruticosa Spreng. Syst. Yeg. II. pag. 533. sub no, 1.

P. glabrata Herb. Willd. Conspect. Potent. Herb. Willd. in Magaz. der Resell. tialurf. Frcunde zu Bed. VII. pag. 285.

* * Corollis luteis, foliolis integerrimis.

¶. P. FRUTICOSA L. — Ser. in DC. Prodr. II. pag. 579. no. 51. (excl. var. P) - Sprcng. Sjst. Veg. II. pag. 533. no. 1.(excl. P. Datmrta.) — Lebm. Monogr. pag. 31. (exc. var. P) — Xestl. Monogr. pag. 30. no. 1. tab. 1. — Svensk Bot. tab. 253. Engl. Bot. II. tab. 88.— Fries Herb. Norm. fasc. IV. no. 63.

P. fruticosa a vulgaris et Y pyrenaica Conspect. Potent. Herb. Willd. in Magaz. der Ges. naturf. Fr. zu Berl. VII. I. c.

P. prostrata Lapeyr. Supp. Fl. Pyren. pag. 67.

£. *grandiflora*:

P. fruticosa (J Consp. Potent. Herb. Willd. I. c. — Turczan. in Bullet, de la soc. des natural, de Moscou XVI. pag. 625. (excl. syn.)

y. *tenuifolia*:

P. fruticosa y tenuifolia Lebm. Monogr. pag. 32.

P. fruticosa y tenuiloba Ser. in DC. Prodr. II. pag. 579. no. 51.— Turczan. I. c.

P. Loureironis Tratt. Ros. Monogr. IV. no. 4.

P. tenuifolia Conspecl. Potent. Herb. Willd. in Magaz. der Gesell. naturf* Fr. zu Berl. 1. c.

P. floribunda Pursh, Fl. Amer. septentr. I. pag. 355. Tratt. Ros. Monogr. IV. no. 5.

P. fruticosa Loureir. Fl. Cochinchin. ed. Willd. I. pag. 349.

Penlaphylloides fruticosa humilis lanuginosa et incana Aram. Ruth. pag. 89. tab. XVIII. flg. 1.

8. *ochreata*:

P. ochreata Lindl. in Wall. Cat. plant. Ind. Orient, ppg. 29. no. 1027.— Paxlon, Fl. gard. 1850. pag. 145. no. 195. flg. 96. fide specim. a cl. Wall, et a Sot. Linn. Londin. mecum communicati.

◊ In planta spontanea stipulae interdum adsunt absque folio.

^b. *: RIG IDA Wall. Catal. plant. Ind. Orient, no. 1009. 1. (ex parte) — Lehm. Novar. et minus cognit stlrp. Pugill. HL pag. 3. Ejusd. Revis. gen. Potent, cum icon, (inedit.) 'non Nult. — Wlprs. Repert. n. 27. no. 7.

⁷. P. INGLESn Royle. Illustr. of the Himalay. mount. I. pag. 207. II. tab. 41. flg. 3. — Wlprs 1. c. no. 18.

B* *JFoliis omnibus ternatis.*

Corollis luteis.

a. *Foliolis integerrimis.*

- *. P. ARBUSGULA Don, Prodr. fl. Nepal, pag. 256. in addend. — Wall. Plant. Asiat. rarior. III. pag. 16. tab. 228. — Ser. in DC. Prodr. II. pag. 580. no. 52. —
P. Nopalensis Don, Prodr. 1. c. pag. 229. no. 1. — Spreng. Syst. Veg. IV. cur. post. pag. 498. no. 96. (non Hook.)
P. rigida Wall. Cat. plant. Ind. Orient, no. 1009 (ex parte.)
 ft. P. PARVIFOLIA Fisch. mss. — Lehm. Nov. et minus cognit. stirp. Pugill. III. pag. 6. Ejusd. Revis. gen. Potent, cum icon, (inedit.)
 JO. P. BIFOLIA Herb. Willd. Conspecl. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. png. 297. — Tiirczan. in Rullct. do la soc. des natur. de Moscou XVI. pag. 624. no. 420. — Ledeb. Fl. Ross. II. pag. 61. no. 58. — Torr. et Gray, Fl. of North Americ. I. pag. 420. no. 21. — Ser. in DC. Prodr. II. pag. 586. no. 99. — Spreng. Syst. Veg. II. pag. 541. no. 82. — Schlecht. et Chamiss. in Linnaea II. pag. 21. — Richard, in Frankl. Voy. pag. 740. — Lchm. Monogr. pag. 129. no. 88. tab. 20.

b. *Foliolis 3-5-dentatis.*

11. D. AMBIGUA Jacquem. Voy. dans l'Inde IV. pag. 51. tab. 62. — Wlprs. Repert. II. 27. no. 14. — Hook. Bot. Mag. tab. 4613.
 12. P. ERIOCARPA Wall. Catal. plant. Ind. Orient, p. 28. no. 1012. — Wlprs. I. c. no. 10. — Lehm. Nov. et minus cognit. stirp. Pugill. III. p. 35. Ejusd. Revis. gen. Potent, cum icon, (inedil.)

* * Corollis albis, foliolis 3—5-dentatis.

13. P. TIUDENTATA Sol. in Ait. hort. Kew. ed. I. II. pag. 216. tab. 9. — Torr. et Gray. Fl. of North Americ. I. pag. 445! no. 32. — Ser. in DC. Prodr. II. pag. 585. no. 93. — Spreng. Syst. Veg. II. pag. 514. no. 89. — Lehm. Monogr. pag. 190. no. 87. — Nestl. Monogr. pag. 66. no. 56. (excl. syn. Scot, illustr. ad *Sibbaldiam* refer end.) — Engl. Bot. tab. 2389.

P. retusa Retz, PJ. fl. Scand. (ed. 2.) no. 642. — Fl. Dan. tab. 1875.£ *parviflora*:*P. tridentata* (§ *parviflora* Lehm. Monogr. 1. c, quae errore ad *Sibbaldiam ailpressam* referen cl. Ledeb. Fl. Ross. II. pag. 32.**Sect. II. HERBACEAE Lehm. I. c. p. 33.**

§. 1. MULTICIPITES. — Plantae perennes: radice multicipite caules floriferos et simul fasciculos foliorum nempe capita sterilia in futuro anno caules ilorigeros emittentia proferente.

I. Term males: pedunculis terminalibus plari- v. multifloris.*Ser. I. Foliis imparipinnatis, carpellis glabris.*

Tribus 1. BIFURCATAE Lehm. 1. c. p. 33. Corollis luteis; foliis plurijugis v. multijugis, foliolis omnibus fere aequalibus integerrimis, terminali trifido; petalis obovatis integerrimis.

14. P. MOORCROFTII Wall. Cat. plant. Ind. Orient, pag. 28. no. 1014. — Wlprs. Repert. II. 30. no. 40. — Lchm. Novar. et minus rognit. stirp. Pugill. III. *j>ag.* 29, Ejusd. Rev. gener. Potent, cum icon, (inedit.)

15. *P. BIFURCA* L — Ser in DC. Prodr II p 580 no 53. — Spreng Syst Veg II pag 5H5 no 19 — Letm Monogr. pag 36. no 3 — Nesll Monogr. pag 33 no. 6
P. bifurca a major Ledeb. Fl. Ross. II pag 43 no. 19.
P. bifurcata Poir. Enc Dot. V. pag 587.
P. bifida Pall. It. 1. pag. 215. II. pag 523.
P. pimpinelloides Falk, Bear II. p. 193. (ab. 10 — Gmel. It I tab 27 flg t

(5. *qlabrata*:

P. bifurca P Turczan in Bullet, de la sot des natural de Moscou XVI. pag 611 no 408.

y. *glaucescens*:

P. glauca Cambes&ed. in Jacquemt. Voy. dans l'Inde IV pag 54. tab. 66 (non Moris) — Wlprs. Repert. II. 30. no. 47.

8. *canescens*:

P. bifurca *P. canescens* Ledeb. Fl. Ross. 1. c. — Meyer, Verz der am Saisang-Nor und am Irtysch gesämm. Pflanz. pag. 32.
P. bifurca *p. subsetuca* Ser in DC. Prodr. II. pag 580.

e. *astragalfoha*:

P. bifurca *Y minor* Ledeb. Fl. Ross. I. c.
P. astragalfoha Bunge in Ledeb. Fl. Alt. II. p. 246. no. 14 — Ledeb. Icon, plant. Fl. Ross illustr IV. tab. 328.— Lehm. Monogr. Suppl. I. p. 3. tab. 2. Fig. 1 — Wlprs. Repert. II. 29. no. 33.

g *tytidocarpa*:

P. bifurca *% tytidocarpa* Ledeb. Fl. Ross. II. pag. 44.
P. imbricata Kar. et Kii Enumerat, plant, in regiomb. Altaic, collect, no 304, m Bullet, de la »oc. des natur. de Moscou 1840. no. 3. — Wlprs. 1. c. no. 35.

T). *monstrosa*:

P. bifurca *Y monstrosa* Ser. m DC. Prodr. 1. c,
P. bifurca *t monstrosa* Ledeb. Fl. Ross. I. c. — Mejer. Verzeich. 1. c

Tribus II. MULTIFIDAE Lehm. 1. c. p. 34. Corollis luteis; foliis in plurimis multijugis, foliolis subaequalibus varie dissectis incisissimis vel pinnatifidis.

Folds utnque vel vindibus vel sericeis et canescentibus.

- ^{1b}. *P. RICHARDII* Lehm in Addend, ad Ind. sem. h. Hambg. 1849 collect, no. 2. et m boc Pugillo pag 1. Ejusd. Revis. gen. Potent, cum icon, (inedit.) — Cnulis brevibus ascendentibus pilosissimis subinflons, foliis inferonibus subtnjugis, foliolis pilis rans dspeis cuneato-subflabelliformibus, superne incisissimis, lacinus plerumque 5, oblongis obtusmsculis, terminali follolo pro fun de tnparlito inciso, stipulis lanceolatis Integern^ms. segmentis calycis extenonibus oblongis obtusis. rehquis ovatis aculis, petalis obcoidentis cnlycem superantibus (luteis). — Proximo accedit ad *P. Ellwendenscm* Boiss. et *poterufoham* Boiss. — *P. anctstnfolia* Galeott. Collect, plant Mexican, no 3073. (non Bunge) — Crescit in terns Mexicams, in monte Pic d'Onzaba allit. 12000'.
¹². *P. ELLWENDENSIS* Boiss. Diagnos. plant. no\ar. VI. pag. 51. — Lehm. Revis. gen. Potent. cum ic. icon, (inedit.) — Wlprs. Annal. I. 279. no. 6.

- 1b. *P. POTERIFOLIA* Doiss. Diagnos plant novar. VI png. 50. — Lehm. Revi? gen Potent cum icon (inedit) — Wlprs Annal I 279. no 5.
- m *P. PLATTENSIS* iSutt. mss in Ton et Grnj, Fl. of Noith Amenc I pag. 439. no « Lehm Revis gen Potent cum icon (inedu) — Wlprs Repert II 32 no. 63
- 20 *P. DISSHCTA* Pur»h. Fl Amenr sepienli I. pag. 355. — Ton. ct Gray, Fl. of Noitli . Amerit 1 pag 446 no. 37. — Sei. in DC. Piodi. II pag 573 no 2b — Spien^ Mst \vg II pag 5% no 35 — Lehm Novar rt minus cognitar. surp Pugill III pag 20 Ljurd Hevis. gen Potent cum icon, (inedit) non JNult
21. *P. MLLTUUGA* Lelun in Addend ad Ind. sem borl. Hambg. 1849 colled, no 1 ui in hoc Pugillo pag. 2 Ejurd Revis gen. Potent cum icoiu (inedit)— Subpilosn can Jibus suberectis mullilloris, flonbus conglobaiis, folus multijugis, foliolis subaequalibus obo\ato-cuneiformibus, piofundc seiraiis> inusis>ve, summis conlluenuibus, stipuli* ovatis aculis sinuualo-dentatis, scgmenlis calycis subaequalibus ovnto-lanccolatis acuiii . petalis obo\ato-cuneiformibu:> rctubis calycem superaniibus (luteis) — Accedit ad *P. Plattensn* >uti, difTcit coloie totius plantac (in ilia laelc viridi), folus duploiongioribus, foliolis omnibus feic aequalibus (in ilia versus basin pelioli multo mmorebus summis conflucnlibus, (in ilia di^lintlis ul in *P pultrifolia el LlluendensiBoiss*), *»ti-puhs anguslionbus plei unique subsinuaio-dentatis, lloubus conglobatis, segmentis inljus subaequalibu*. omnibus aculis, denique Tormn petalorum — Habitat in Calioi uia.
- 22 *P. WLIFOLIA* Wall. Calal plant. Ind Onent pag 28 no 1011 — Lehm. Monogr gen Potent Suppl I pag 1 lab 1.
/ Miumffn/utiaDon, Piodr. fl. Nepal, pag. 232 .no 7 — Ser in DC. Prodi II. pdfc 5H3. no. 79 — bprong. Sjst Vog. IV. cm, post pag. 198. no. 104
- <U. *P. AIIICROPinLLA* Don, Piodi. II Nepal, pag 231. no. 6. — Wall Cat. plant Ind Onenl pag. 28 no. 1010 (ex pane) — Lehm. Monogi. gen Potent. Suppl I. pag 5 tab 2, fig 2 Lju>d INovai et minus* cognit. stirp Pugill. III. pag 19 — Set. in DC Piodr II. pag 563 no ^78 — Spieng. Syst Veg IV cui post. pag. 198. no. 103.
P. microphylla Royle, Illuslr. of the Xlimalay mount II. lab. 41 fig. 2.
/'. *rmaophijlla* Wall Gatal. 1. c. (cv paile), Conf. Lehm Monogr. Suppl. 1. c. et Pugill. IK. pag lt>.

p. glabriuscula: Wall. 1 c. — Lchm. 1. c.

y. depressa: Wall. 1. c. — Lehm. I c

3. *latiloba*:

l\ *mici ophylla* Rojle, Illuslr of the Himalaj mount II t. 41. §g. 2.

P tnia ophylla Wall. Calal. 1 c (ex pnrie) Conf. Monogr. Suppl. 1. c. et Pugill. III p. 16.

- 24 *P. LINEARILOBA* DC. Icon. Inedit. fl. Mex. no 298. — Ser. in DC. Prodr. II. pag. 582. no. 71. (An vnnct. *P tandicuntis* ?)

25. *P. CANDICANS* Humb et Bonpl. — Nesll. Monogr pag. 34. no. 9. tab. 3. flg. 2. — Schlecht. in Lmnaea XIII. pag. 261. — Sei. in DC Prodr II. pog 582. no. 73. — Spreng Sjst. Yeg. II. pag. 535 no. 16 — Lehm Monogr. pag. 67 no. 23

P candicans OL elatwi Uumb Bonpl. Kth. Nova gen. et spec, plant. IV. pag. 216

£. *nana*:

P candicans [J *nana* Nestl. 1. c tab. 4. flg. 2. — Uumb. Bonpl. Kth. 1. c. — Sei 1 c. — Lehm. 1. c.

P Uumboldttana Tratt. Ros. Monogr. IV, no. 41.

P. nana Humb. et Bonpl Herb, (non Willd)

- 26 *P. SOONGARICA* Bunge in Ledeb. Fl. All. II. pag. 244. no. 11. - Ledeb. Fl. Ross. H. pag 42 no. 17. (exel icon. Fl. Ross.) — Lotm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Report. II. 29. no 32.

Foliis subtus niveo-tomentosis.

27. *P. SISCHANENSIS* Bunge mss.exLehm. in hoc Pugillo pag. 3. Ejusd. RevU. gen. Potent, cum icon, (incdit.) — Caule basi ascendente subaphyllo; foliis tri—quadrijugis pubesceniibus, subtus niveo-lomentosis, foliolis margins revolutis, inferioribus oblongo-lanceolatis integerrimis v. 1—2—3-lobis, summis. oblongis pinnatifidis; stipulis brevibus laio-ovatis integerrimis; floribus parvis; segmentis calycis acuiusculis, exterioribus sublanceolatis. reliquis ovalis; pelalis obovatis integerrimis calycem paulo superantibus luteis. — In montibus prope Sji—jui—ssy.

P. Soongarica P *Chinensis* Bunge, Enumerat. plant, in China boreal, coll. no. 14G.

P. Soongarica Ledeb. Icon, plant. Fl. Ross, illuslr. IV. tab. 332. (?)

28. *P. SERICEA* L. — Ledeb. Fl. Ross. II. pag. 41. no. 15. Ejusd. Icon, plant. Fl. Ross, illuslr. IV. lab. 334. (?) — Ton*, et Gray. Fl. of North Americ. I. pag. 437. no. 4. — Turczaii. in Bullet, de la soc. des natur. de Moscou XVI. pag. 621. no. 417. — Ser. in DC. Prodr. II. pag. 582. no. 68. — Spreng. Syst. Veg. II. pag. 534. no. 14. — Lehm. Monogr. pag. 66. no. 22. tab. 6. — Nestl. Monogr. pag. 34. no. 10.

p. *glabrata*:

P. sericea P *glabrata* Lehm. in Hook. Fl. Boreal.-Americ. I. pag. 189. no. 9. — Torr. et Gray, Fl. of North Americ. I. pag. 437.

y. *dasyphylla*:

P. sericea P *dasyphylla* Ledeb. Fl. Ross. H. pag. 42. — Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 622.

P. dasyphylla Bge. in Ledeb. Fl. Alt. II. pag. 243. no. 10. — Ledeb. Icon, plant. Fl. Ross, illustr. IV. lab. 331.

P. multicaulis Turczan. Cat. plant. Baical. no. 425. (non Bunge.) (Specimina minora multicaulia fere prosirata.)

P. dasyantha A. DC. Ind. sem. hort. Genevens. 1848 collect.

8. *polyschista*:

P. polyschista Boiss. Diagn. plant. Oriental, novar. X. pag. 6. — Perennis dense caespitosa: collo vaginis fuscis vestito; caulibus limi expansis-brevibus tenuibus subsimplicibus rubellis adpressiuscule linearibus, foliis ulrinque adpressis sericeis, subtus nigris-nituntibus, umbro ovatis subpalmato-bilobatis, lobis oblongo-linearibus, margine non revolutis, radicalibus breviter petiolatis, ciliis sessilibus paucilobis; stipulis oblongis acutis denticulate; floribus paucis terminalibus densiuscule corymbosis; calycis nigricantis adpresso-hirsuti laciniis exterioribus oblongis oblongis, interioribus paulo longioribus latiusque trianguluribus acutis; petalis aureis orbicordatis, calyce sesquialongioribus; tubo piloso; carpellis.... ? — Crescit in alpebus Hasarlschal in parte occidentali montis Elbrus.

*** *P. HYPOLEUCA* Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 619. in Obs. ml. *Potent, multifida* (pelalis obovatis - oblongis integris.)

30. *P. MULTIFIDA* L. — Koch. Synops. (ed. 2.) pag. 236. no. 2. (est no.4.)-Ledeb. Fl. Ross. I. pag. 42. no. 18. (excl. var. a, b.) — Bertol. Fl. Ital. V. p.243. no. 2. — Gaud. Fl. Mtlv. III, pag. 407. no. 1181. a et p. — Ser. in DC. Prodr. II. pag. 581. no. 66. (excl. P et V) et in Mus. Uelv. I. pag. 19. tab. 8. — Spreng. Syst. Veg. II. pag. 535. no. **. — Lehm. Monogr. pag. 64. no. 21. (per sphalma sub nomine *P. supinae*.) — Nestl. Monogr. pag. 33. no. 7.

p. *angustifolia*:

P. multijida P *angustifolia* Lehm. Monogr. pag. 64.

P. multijida a minor a. Ledeb. Fl. Ross. II. pag. 43,

P. tenella Turcz. in Bull, de la soc. des natur. de Moscou XVI. pag. 620. no. 415.

Y *latifoha*

P multifida (\$ *major* Ledeb Fl Ross II pag. 43

a) *oinithopoda*

P ormthopoda Tausch, Hort Canal tab 10

P ormthopodioides Sweet

b) *subpinnata*

P multifida P major b Ledeb 1 c

*P ft*6pmnafa* Ledeb Ind sem hort Doipat

b) *subternata*8 *elongata*

31 P YERTICILLARIS Steph in Willd i>pec phnt II pig 1096 — Turcz in Bullet de la soc des n ilm dc Moscou \VI pag 581 no 416 — Ser in DC Prodr II pag 581 no 67 (erroie 68) — Speng Mst Veg II p 535 no 17 — Nestl Monogi pag 33 no 8 — Lehm Monogr pag 69 no 24 — Ejusd Revis gen Potent, cum icon (medit)

P mullifida a *minor* b *verhcillans* Ledeb Fl Ross II pag 43.

P mulhfida Pall It HI pag 194

Peidaphylloides humxle, fohw angustismms Amm Ruth pag 86 no 113 tab 16

ii P FVrRSMANMA'SA Fisch e\ Claus Ind des in Gobel It II pag 272 — Ledeb T\ Ross II pag 42 no 16 — Lehra RPVIS gen Poient cum icon (inedit)

33 1> SOVIMFRFELTII I chm in Addend ad Ind sem hort Hamburg 1849 collect no 3 et in hoc Pugillo pog 4 — Ejusd Revis gen Poient cum icon (inedit) — Caule erecto brevisMmo umfloro folns subbijugis Inlermivtis folns ternalis, villosis subtus albo-tomentosis foliohs oblongo-cuneiformibus, inflmis profunde tnlobis, rehquis giosse quinquelobis segmentis cahcis oblusjusculis, exlenonbus brevionbus oblongis petalis obotato-cuneiformibus mtogemmis calvcem superantibus (flivis) stjlis eglan-dulosis — Proxime accedit ad *P pulchellam* R Dr Dillert statura multo minore et robustioie folns radicalibus Iniermuus folus ternatis subtus tomentosis, foliohs infimis sempor tnlobis terminal! peliolulato piofunde quinquelobo segmentis cahcis obtuMiisculis extenonbus oblongs stipulis laioubus brevionbus obtusionbusque, petalis au^ustioribus integernm^ et stjlis eglan-dulosis — Crescil in Groenhndia

Si P PULCHEII V R Blown in Ross Aov (ed 2) II pig 193 et m Parreys 1st Voj Suppl pig 277 no 33 — Ton et Gray Fl of rsoilh Americ I pig 439 no 11 — Fl Dan t 2234 — Wlprs Repert II 33 no 65 — Lehm Monogr gen Poient Suppl I pig 14 tab "7 fig 1 — Ejusd Nov et minus cognit stirp Pugill HI pag 23 et in Hook H Boieal -Ameuc I pug 191 — Spreng Sjst Veg IV cur. post pag 198 no 102 (non no 107) — Ser in DC Prodr II pag 502 no 69.

P Keilhavn Sommerfelt, Didrng til Spitsbergens Flora in Magaz for Natui-videnskaberne Vol XI pag 244

P seticea Grevil in Mem soc Wern III pag 430 (non L.) teste R Br.

Tnbus HI FRAGARIOIDES Lehm. 1. c p. 37 Corollis luteis, folns 2—3-jugis, foliohs maequalibus serratis dentatis, summis tnbus majonbus disinctis, termnali saepe petiolulato, rekqiiis gra-datim deorsum descrescentibus

Caule multilloio, flonfeio folns ladicahbus duplo multove longiore

35 P DISCOLOR Bunge, Enumeiat plant in China boreal collect pag 99 no 1& (non Jacquemt)—Lehm Revis gen Potent cum icon, (inedit) — Wlprs Repert H 30. no. 3b.

36. *P. LESCHENAUTIANA* Ser. in DC. Prodr. II. pag. 584. no. 89. — Wght. et Amu. Prodr. Fl. penins. Ind. Orient. I. pag. 301. no. 927. — Lehm. Monogr. gen. Potent. Suppl. I. pag. 7. tab. 3. — Ejusd. Nov. et minus cogn. stirp. Pugill. III. pag. 10.

(*S. major*:

- P. Leschenaultiana* (J Wight et Arnott 1. c.—Wight, Spicileg. Neilgherrens. tab. 63.
P. Grahamiana Wight, Catal. plant. penins. Ind. Orient. pag. 61. no. 1010.
P. Bannehalensis Cambess. in Jacquemt. Yoy. dans l'Inde IV. pag. 52. tab. 64.
 — Wlprs. 1. c. no. 45.

37. *P. GERARDIANA* Lindl. in Wallich, Cat. plant. Ind. Orient. no. 1023. — Lehm. Novar. , et minus cognit. stirp. Pugill. III. pag. 23. — Wlprs. I. c. no. 42. — *P. variabilis* Kltzsch. Plant, nov. Waldem. inedit. tab. 11.

38. *P. MUNROANA* Lehm. in Addend, ad Ind. sem. hort. Hamburg. 1849 collect, no. 4. et in hoc Pugillo p. 6. — Ejusdem Revis. gen. Potent, cum icon, (inedit.) — Pilosissima multicaulis: caulibus gracilibus, lateralibus adscendentibus, intermediis erectis; foliis inferioribus subbijugis, foliolis subsessilibus obovato-oblongis serrato-dentatis nervosis; stipulis ovatis integerrimis; segmentis calycis exterioribus brevibus lanceolatis acutiusculis, reliquis ovatis acutis; petalis obovato-cuneiformibus emarginatis calycem superantibus (luteis).

(?. *fuscescens*: Lehm. 1. c. minor et robustior subcaespitosa saturatius viridis, nervis foliorum subtus valde prominulis. — Proximo accedit ad *JP. fragarioidem* C. et *Leschenaultianam* Ser. (*Bannehalensem* Cambess. *Grahamianam* W. & Arn.) *Pot. fragar'oides* differt praeter alias notas forma foliorum et petalorum, *P. Leschenaultiana* foliis tnjugis, subtus niveo-tomentosis et forma petalorum. — Habitat in India orientali.

- 3«. *P. FRAGARIOIDES* L. — Ledeb. Fl. Ross. U. pag. 38. no. 6. — Ser. in DC. Prodr. H, pag. 583. no. 83. — Spreng. Syst. Veg. II. pag. 535. no. 23.— Lehm. Monogr. pag. 50. no. 12. tab. 6. — Nestl. Monogr. pag. 37. no. 17.

P. polerioides Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berlin VII. pag. 286.

p. eflagellaris:

P. fragarioides Turczan. in Bullet. de la soc. des natur. de Moscou XVI. pag. 615. — Gmel. Fl. Sib. III. tab. 34. fig. 2. (Conf. Ledeb. Fl. Ross. II. pag. 38.)

* Caule paucifloro longitudine fere foliorum radicalium.

- ⁱ3. *P. STENANTHA**Lehm. in Addend, ad Ind. sem. hort. Hamburg. 1849 collect, no. 5. «t in hoc Pugillo pag. 7. — Ejusd. Revis. gen. Potent, cum icon, (inedit.) — Caulibus adscendentibus paucifloris longitudine foliorum radicalium; foliis interruptepinnatis ncumbenti-pilosis, foliolis majoribus versus basin sensim minoribus obovatis rotundato-obtusis serratis, serraturis aequalibus obtusiusculis; stipulis late ovalis brevibus integerrimis; floribus parvis; petalis retusis calycem paulo superantibus (luteis). — **Accedit ad *P. fragarioidem* L., *Sprengelianam* et *stoloniferam* Lehm., a quibus facile distinguuntur foliis interrupte pinnatis.** A *P. fragarioide* insuper forma foliorum indumentoque totius plantae, a *P. Sprengeliana* et *stolonifera* florum parvitate. — Habitat in Bosnia.

- ⁴1. *P. STOLONIFERA* Lehm. in Ind. sem. hort. Hamburg. 1831 coll. — Ledeb. Fl. Ross.

* pag. 38. no. 7. — Lehm. Revis. gen. Potent, cum icon, (inedit.)

P. Sprengeliana Hasskarl, Catal. plant. hort. bot. Bogoriens. alter pag. 266, (non Lebra.)

P. Japonica Blume, Bijdrag. 17. no. 1105,

- P. fragatoides* Schlecht et Chamiss in Linnaea II pag 20 — Hook et Arnth in Bot Beechey 1840 p 113 (non L.)
- U P SPRENGELIA\ Lehm Monogr Potent pag 49 no 11 tab 3 — Ledeb Fl. Ross II pag 37 no 5 — Scr in DC Prodr II pag 580 no 59 — Spreng Mst Vcg II pag 534 no 10
- P. fraganoides* Consp Potent herb Willd in Magaz der Gesell naturf Fr zu Berlin MI pag 285 non L)
- 13 P CORSICA Sol mss Lehm in Vddeni ad Ind som hort Hamburg 1849 coll no 6 et in boc Pugillo png 8 — Fjust Re\is gfn Polent cum icon (medit) — Nan i pilosi ciulibus ascendonibus foliosis 1—3 (Ions foliis subbijugis foliis obovato-suborbiculatis basi iniegnm cuneatis leiminali plicululato grosse simpliciterque serratis serratis bitribus ~~cl~~ acuiusculis scnsjin mijonbus «tipulis ~~lat~~ o\jlibus integemnm idmtis scgnuniuj cil\ci> euenonbus lineanLus* obluois ~~reliqu~~ oblongu. loiuuddio - obuisis penlis> hit obo\ati9 rctusib cahce sesquolongionbu^ (lucis) — frescil m luonlibus insuhe (oi iue
- 44 P ADNAT\ A\ nlich niss tx I dim in Addeu 1 id Ind s>ein hort Hamburg 1849 (olkcl iio 7 rt in hot Pu,illo p 9 — Tjust Re\is gen Potent cum icon (medit) — CmlctiPLijl—2-fbio Jongiludinp folioium qbjllo folu*. intnupte pim*»ti<i imiltijugis subglibus foliolit versus bisin pencil sen^ium deLresiuibus semiorbis (uhtis *>em uln iis> sublriner\us majoiibus duj hcato-scuati<> segmenlis caljcis (Xtconbus rniniuis lotundjlo oblUMB iclique lite ovntis neutis subinangiilanbus duplo longioribu'i corolla ⁹ — SprciCi ub foliuh semiadn it i iti quideni ut diini Inti ipparc mi distinctissima cum nulla iln fermutiii potnst — Ciescit in India ontnl ill
- n P ANNTRIFont. Bunge Fnumcrat jhnt in (hina boreal collect no 145 — Wlprs Repert fl 30 no 37 — lehm Revis gen Potent cum icon (inedil) (non Gilcotli)

Tnbufe n GLANDULOSAE Lehm. I c p 38 Glanduloso-vrscidae Ibins 3—4-jugis, foliolis ad formam subrotundam accedentibus maequahbus, grosse serratis, dentatis mcisis^e, terminalibus tnbus majonbus distinctis, reliqms gradatim deorsum de-
crecentibus

Corollis lucis

- ih P. dLOIDLS Bitb H Tuui - Caucas I. pag 404 III pg 3jo, Str in DC Prodr II png 580 no 58 — bprtnng Sjst \cg II pag 534 no 11 — I ehm Monogr jag 38 no 4 tab I — >esil Mono^i pag 37 no 16
- *V. fraganoides* Habl Tuir pag 146 ex Bich (non L net Willd ^
- Geum polrntillnids* Pall Ind Taut
- Geum ponticum* Pall in Ilferb Milld
- i< P GLAiNDLIOSV Lmdl in Bot Reg tab Io83 - Torr et Grav Fl of Noith Ame-nc I pag 446 no 35. (exel *P. aiguta* Hook fl) - Hook et AinU in Beechey< Vov Suppl pag 338 — Wlprs Repert II 35 no 89
- P. Oregana* ^tt mss (teste Torr et Gnv I c)

P. inasa*

- P. glandulota* \$ imtsa Lindl in Bot Reg tab 1973 — Torr et Gray 1 c
- 48 P WRAISGELIANA Fisch et Me>er. Ammadvers bot indie sem hort Petropoi 1840 iddil pag 54 - Linnaei X^ Litteraturb pag 118 - Annal des scienc nat

(2de. Serie XVI.) pag. 9?.— Wlprs. Repert. II. 35. no. 93.— Lehm. Rem, gen. Potent. cum icon, (inedit.)

P. Breisnii Hortul. — Schlecht. Ind. sem. hort. Haltns. 1817. Linnaea 1844. pag. 508.

i9. p. FISSA Null, mss. Torr. et Gray. Fl. of North Araeric. L jv 446. no. 34. — Wlprs. Repert. II. 35. no. 8*.

p. major:

P. fissa (S *major* Torr. et Gray 1. c. — Gray in Mem. of the Aineric Acad. 1849. no. 197.

P. arguta Null, in Jour. Acad. Philad. VII. (non Pursh. ex Torr. et Gray).

P. glutinosa Nutt. mss. tesle Torr. et Gray.

* * Corollis albis.

•v). *P. ARGUTA* Pursh. Fl. Aineric. scpienlr. II. png. 736. — Torr. et day. Fl. of North Americ. 1. pag. 445. no. 33. — Richards, in App. to Frankl. 1st Jour. (ed. 2.) pag. 20. — Hook. Fl. Boreal. - Americ, I. pag. 186. no. 2. tab. 63. — Lindl. in Bot. Reg. tab. 1379.

P. Bigelowiana Wnrth. Ind. sem. hort. Marburg. 1841. — Linnaea XVI. LittbK pag. 112.

- *P. cunfertiflora* Torr. Fl. Americ. septentr. I. pag. 449. — Spreng. Syst. Veg. IV. cur, post. pag. 189. no. 109. — Lehm. Novar. et minus cognit. stirp. Pugill. III. pag. 24.

P. Pensyanica (3 *arguta* Torr. in Annal. Lye. hist, natur. urbis Eborac. Americ. II. p. 197. (excl. syn. ex DC. Prodr.)

P. ferruginea Dougl. in Herb. soc. hort. Lond. — Paiton, Mag. V. t. 233. (tabula non inspecia).

P. obliqua Dougl. in Herb. Lindl.

P. arctica Hortul.

P. glutinosa Pursh in Herb. Lehm.

Geum agrimonioides Pursh, Fl. Americ. septentr. I. p. 351.

Geum glutinosum Pursh in lilt.

Bootia sylvestris Bigel. Fl. Boston, (ed. 2.) p. 206. (Receptaeulum subsphaericum demum carnosum, fere ut in *Potent, palustri* Hook. I. c.)

*!. *P. RUPESTRIS* L. — Koch, Synops. (ed. 2.) p. 236. no. 1. (id est no. 3) el in Sturm. Deutsch. Fl. Fasc. 91. t.3. — Ser. in DC. Prodr. D. p. 283. no. 82. et in Mus. Helv. 1. p. 65. tab. 6. — Spreng. Syst. Veg. II. p. 535. no. 25. — Lehm. Monogr. p. 47. no. 10.— Mestl. Monogr. pag. 39. no. 21. — Fries, Herb. Norm. fasc. XL no. 45. — Engl. Bot. iah. 2058. — Jacq. Fl. Austr. II. tab. 114.

•*P. inquinans* Turczan. Fl. exsicc fide sjttciui. et test* ipse Turcian. in Bullet. de la soc. des uatur. de Moscou XVI. p. 624.

P. lieniczkyi Frivaldsk. in Regensb. bol. Zeil. 1836. pag. 437. — Conf. Griesah. Spicil. a. Rumel. et Bilhyn. I. pag. 102. — Wlprs. Repert. II. 29. no. 27.

P. fragarioides Poir. Enc. bot. V. pag. 586. (non L. nee Wind.) (tesle Nesll. ex autops. Herb. Lamarck.)

P. leucantha GQldenst. It. I. p. 192. (?)

P. rubens Moench, Method, p. 657.

P. pygmaea:

P. rupestris P pygmaea Moris mss. in Herb. Lehm. — Duby, Bot. Gall. pag. 172. (?)

- P pygmaea* A Jordan, Obs sur plusieurs plantes nouvelles rares etc de la France, 7^{ème} fragm p. 25
P rupestris variet *giactlis* Frivaldsk in Reg bot. Zeit 1836. 1 c

Tribus V. POLYPHYLLAE Lehm 1. c. p. 39. Corollis luteis, foliis interrupte pinnatis multijugis, foliolis serratis, majoribus omnibus distinctis fere aequalibus, ad ellipticam formam accedentibus, petalis obovatis integerrimis; segmentis calycis exterioribus in fructu ternis—multifidis fere foliaceis.

- 52 *P POLYPHYLLA* Wallich. Catal plant Ind Oenip 29.no 1026 — Wlprs Repeit. II 30 no 41 — Lehm Monogr gen Potent Suppl I pag 11 tab 5 — Ejusd novae et minus cognitae stirp Pugill HI pag 13

(3) barbata

- P baibata* Wall Catal. plant Ind. Orient pag 29 no 1030 — *P sordida* Kltzsch PI nov Wildem medit tib 9
 53 *V MOOMANA* Wight Icon phnt Ind Orient I tib 233. (fructifera) — Lehm Rev gen Potent cum icon (medit) flonf
 54 *P FILGCINS* Wall in Heib Hook sec Hooker in Bot Mag tab 2700.
P hneata Tiev in lilt et Mhed 1822 t^{ec} Reichenb Hort bot Cent I pag 7 lab 6 — Sprengl S^{sl} \c£, II pdg 531 no 4 et I\ cur post pag 198
P splndens Ham Ind scm hoit Wriislaw. 1*23 pag 3 (fide specim.)
P splendent Wall fatal plant Ind Orient no 1017 — Ser in DC Prodi II p 582 no 74 — Lodd Cot fab lab 1323 — Sweet, Brit H Gard. JSer. I tab 191 — Don, Prodr fl Isepal pag 230 no 2 (non Ramond)
P biemeivana Lehm Ind sern hoit Hnintr 1820 collect p 8 - Ejusdem Novar et minus cognitae stirp Pugill I p 31 et in No\ Act Acad Nat Curios XIV P II p 818 tab XLVU
P baspala Hamilt mss sec Don, Prodi. 11 Nepal 1 c

Tribus VI TANACETIFOLIAE Lehm. 1 c. p. 40. Corollis luteis; foliis plunjugis v. multijugis, foliolis subaequalibus ad lanceolatam formam accedentibus serratis, rarius pinnatifidis, terminalibus tribus confluentibus non latioribus, petalis emarginatis s. retusis.

- ib* *P TANACETIFOLIA* Consp Potent Herb Willd in Magaz der Gesell naturf Fr *« Beil VII pag #to — Turczan in Bullet de la soc des natur de Moscou. XVI pag 615 no 411 (excl ~~§~~ in *P colorata*) — Ledeb Fl Ross II pag 39 no 9. — Ser » DC Prodr II pag. 581 no. 61 — Spreng Sjst Veg II pag 534 no 13 — Lehm-Monogr pag 60 no 17 — Ejusd Rtviss gen Potent cum icon (incdit)
P filipendula Turczan. Catal Baical no. 422

P filipendula:

- P filipendula* Consp Potent Heib Willd 1 t — Ledeb. Fl Ross. 1 c no. 10. — Ser ID DC Prodr 1 c. no 60 — Spreng Syst Veg I c no. 8. — **Lehm»** Monogr pag 59 no 16
⁵⁶ *I SAGUISORB* Consp Potent Herb Willd in Magaz der Gesell Naturf Fr & Berl VII pag 286 - Ledeb Fl Ross. II pag 39 no 8 - Ser in DC. **Prodr. H.**

pag. 581. no. 62. — Sprang. Syst. Veg. II. pag. 534. no. 9. — Lehm. Monogr. pag. 61. no. 18. lab. 5..

57. *P. VISCOSA* Don, Horl. Cantabr. (od. 7.) — Turcz. in Bullet, de la soc. des natur. de Moscou XVI. pag. 616. no. 412. — Ledeb. Fl. Ross. II. pag. 41. no. 14. — Ejusd. Icon, plant. Fl. Ross, illustr. IV. tab. 343. — Lindl. in Bot. Reg. lab. 1492. (?) — Ser. in DC. Prodr. II. pag. 581. no. 63. — Spreng. Syst. Veg. II. pag. 534. no. 3. — Lehm. Monogr. pag. 57. no. 15.

P. longifolia Consp. Potent. Herb. Willd. in Magaz', der Gesell. Naturf. Fr. zn Berlin VII. pag. 237.

P. hispida Nesll. Monogr. pag. 36. no. 14. (excl. syn. Willd.)

P. Pensylvanica Willd Enumerat. plant, hort Berol. I. pag. 553. (excl. syn.)

P. rupestris Pall, in Herb. Willd. no. 9943. fol. 3 (teste Ledeb.)

P. pubescens Moench, Meih. pag. 658 (excl. syn.)

P. dentata Forsk. Fl. Aegypt. Arab. pag. 98.

58. *P. PENNSYLVANICA* L. — Ser. in DC. Prodr. II. pag. 581. no. 64. (excl. var. fl) — Spreng. Syst. Veg. II. pag. 533. no. 2. — Lelim. Monogr. pag. 55. no. 14. — Nestl. Monogr. pag. 36. no. 13. — Jacq. Hort. Vindobon. II. tab. 189.

p. grandiflora:

P. hispida Willd. Enumerat. plant, hort. Berol. I. pag. 553. (non Nestl.)

P. Pensylvanica hispida Tratt. Ros. Monogr. IV. no. 30.

Y. nudicaulis:

P. nudicaulis Consp. Potent. Herb. Willd. in Magaz. der Gesell. nnturf. zu Berl. VU. pag. 287. — Trait. Ros. Monogr. IV. no. 34. (excl. syn. plurib.)

5. strigosa:

P. Pensylvanica {5 *strigosa* Lehm. Monogr. pag. 55. no. 14. et in Hook. Fl. Boreal.-Americ. I. pag. 188. — Torr. et Gray, Fl. of North Amer. I. pag. 438.

P. strigosa a Turczan. in Bullet de la soc. des natur. de Moscou XVI. pag. 617.

P. strigosa Pall, in Herb. Lambt. (ex Pursh. Fl. Americ. septentr. I. p. 356.) — Bunge in Ledeb. Fl. Alt. II. pag. 237. no. 4. — Tratt. Ros. Monogr. IV. no. 31:

P. pectinata Fisch. mss. in Herb. Lehmann.

P. holosericea Null. mss. (non Grieseb.)

P. absinthioliola Dougl. mss. in Herb. Soc. hort. Lond.

e arachnoidea:

P. Pensylvanica var. *conferta* Gray in Mem. of the Americ. Acad. 1849. pag. 42. no. 202. (excl. syn.)

P. arachnoidea Dougl. mss.

£. confer la:

P. Pensylvanica (* *conferta* Ledeb. Fl. Ross. II. pag. 40.

P. conferta Bge. in Ledeb. Fl. Alt. II. pag. 240. no. 7. - Ledeb. Icon, plant. II. Ross, illustr. IV. tab. 333.

f]- agrimonioides:

P. strigosa P Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 618.

P. conferta Turcz. Cat. plant, in regionibus Baical. el Dahur. no. 423. (non Bunge.)

P. agnmonioides Bieb. Fl. Taur. Caucas. I. pag. 403. no. 992. — Ledeb. Fl. Ross. II. pag. 39. no. 11. (excl. Fl. Taur. Caucas. Vol. III.) — Ejusd. Icon, plant. Fl. Ross, illuslr. IV. tab. 327. — Bunge in Ledeb. Fl. Alt. II. pag. 239. no. 6. — Spreng. Syst. Veg. II. pag. 534. no. 15. — Lehm. Monogr. pag. 63 no. 20. — Nesil. Monogr. pag. 35. no. 12.

P. multifida y *agrimonioides* Ser. in DC. Prodr. II. pag. 581.

Potentilla Gmel. Fl. Sib. HI. tat. 38.

S. *missurica*:

P. Pennsylvania a *communis* Torr. et Gray Fl. of North Americ. I. pag. 438.

P. Missurica Schrad. Ind. Sem. hort. Götting. 1821—1832. et in Linnæa Till. Litteraturb. pag. 26. — Lindl. in Bot. Reg. tab. 1412.

P. normalis Brsner in Herb. Lehm. — Spreng. Syst. Veg. IV. cur. post. pag. 199. no. 106. — (lege *normalis* nee *nemoralis* apud Ledeb. Fl. Ross. II. pag. 62.)

59. P. BIPPINATIFIDA Dougl. mss. in Hook. Fl. Boreal.-Americ. I. pag. 188. no. 7.

P. Pennsylvania y *bipinnatifida* Torr. et Gray, Fl. of North Amer. I. pag. 438.

P. Pennsylvania (5 *arguta* Ser. in DC. Prodr. II. pag. 581.

P. multifida (5 *cana* Ser. in DC. Prodr. I. c.

P. arguta Pursh in Herb. Lehm. (non Fl. Americ. septentr.) — Lehm. Monogr. pag. 62. no. 19. (excl. syn.) — Schlecht. et Chamiss. in Linnæa II. pag. 26. — Spreng. Syst. Veg. II. pag. 534. no. 5 (excl. *Missurica*.)

P. candicans Fisch. mss. in Herb. Lehm. (olim.) non Humb. et Bonpl.

P. Biebersteiniana Trait. Ros. Monogr. IV. no. 24.

P. agrimonioides variet. Bieb. Fl. Taur. Caucas. HI. pag. 403.

60. P. HIPPIANA Lehm. Novar. et minus cognit. stirp. Pugill. II. pag. 1. et in Hook. Fl. Boreal.-Americ. I. pag. 188. DO. 8. tab. 64.

P. Pennsylvania & *Rippiana* Torr. et Gray, Fl. of North Americ. I. pag. 438. — Wiprs. Reperl. II. 32. no. 60.

P. dealbata Dougl. mss. in Herb. soc. hort. Lond. (non Bunge.)

P. leucophylla Torr. in Ann. of the Lyceum of Nat. hist. of New-York II. pag. 197. (non Pall.)

β. diffusa: Lehm. in Addend. ad Ind. sem. hort. Hamburg. 1849 collect, no. 6. Humilior et gracilior: caulibus subaphyllis in cymam effusam deliquescenubus; foliis supra minus inennis. — Statura lamum minore et graciliore, caulibus aphyllis vel basi folio uno alterove instructis cito dichotomis, in cymam effusam deliquescenubus, foliis brevioribus supra minus canescentibus a *P. Hippiana* differt — Habitat Santa Fe Creek.

P. diffusa Gray in Mem. of the Americ. Academ. 1849. pag. 41, no. 198, (non Willd.)

61. P. CRINITA Gray in Mem. of the Americ. Acad. 1849. p. 41. no. 199. — Lehm. Reperl. en. Potent. cum icon, (inedit.) — Humilis multiceps e radice crassa, albo-villosa: caulibus ascendentibus circ. trifoliatis, apice laxe paniculato-cymosis; stipulis ovato-lanceolatis acuminais majusculis; foliis pinnatis, radicalibus 11 — 15-, caulinis 5 — 1' foliolatis, foliolis oblongis confertis grosse denatis, supra subulabratibus, subtus rariis pilis longis albis comptis villosis; caulis laciniis ovato-acuminatis, bracteolas oblongo-lanceolatas subsuperantibus, petalis orbiculatis aureis paulo brevioribus acheniis globerrimis; receptaculo comoso. — Crescit in Nova Mexico.

62. P. EFFUSA Dougl. mss. — Lehm. Novar. et minus cognit. stirp. Pugill. II. p. 8. «¹ in Hook. Fl. Boreal.-Americ. I. p. 187. no. 4. — Ejusd. Revis. gen. Potent. cum icon. (inedit.) — Wiprs. Reperl. II. 32. no. 59.

ξ. filicaulis:

P. effusa p *filicaulis* Torr. et Gray I. c.

I*, *filicaulis* Nu. mss.

Y- *gossypina*:

P. effusa Y *gossypina* Torr. et Gray 1. c.

P. gossypina Mult. mss. (an distincta species?)

(ft. P. MULTICAULIS Bunge, Enumerat. plant, in China boreal, collect, pag. 99. no. 147. (non Turczan.) — Conf. Bullet, de la soc. des natur. de Moscou XVI. p. 622. — Wlprs. Repert. II. 30. no. 39.

64. P. CHINENSIS Ser. in DC. Prodr. II. pag. 581. no. 63. — Lehm. Novar. et minus cognitar. stirp. Pugill. III. png. 22. — Ejusd. Revis. gen. Potent, cum icon, (inedit.)

P. exallala Bunge, Enumerat. plant, in China boreal, collect, pag. 98. no. 142.— Wlprs. Repert. II. 29. no. 36.

65. P. LEUCONOTA Don, Prodr. fl. Nepal, pag. 230. no. 3. — Wall. Catal. plant. Ind. Orient, no. 1021. — Spreng. Syst. Veg. IV. cur. post. pag. 198. no. 97. — Ser. in DC. Prodr. II. pag. 583. no. 75. — Lehm. Novar. et minus cognitar. stirp. Pugill. III. pag. 12. — Ejusd. Revis. gen. Potent, cum. icon, (inedit.)

66. P. COMMUTATA Lehm. Novar. et minus cognitar. stirp. Pugill. III. p. 16. — Wlprs. Repert. II. 30. no. 43.

P. microphylla & *latifolia* Wall. Catal. plant. Ind. Orient, no. 1010. (ez pflrte.)

67. P. PEDUNCULARIS Don, Prodr. fl. Nepal, pag. 230. no. 4. — Spreng. Syst. Veg. IV. cur. post. pag. 198. no. 98. — Ser. in DC. Prodr. II. pag. 583. no. 76. — Lehm. Novar. et minus cognit. stirp. Pugill. III. pag. 15. — Ejusd. Revis. gen. Potent, cum icon, (inedit.)

P. velutina Wall. Catal. plant. Ind. Orient, no. 1016. (non Lehm.)

68. P. DRUMMONDII Lehm. Novar. et minus cognitar. stirp. Pugill. II. pag. 9. et in Hook. Fl. Boreal.-Americ. I. pag. 189. no. 11. tab. 65. — Torr. et Gray, Fl. of North Americ. I. pag. 439. no. 8. — Wlprs. Repert. II. 32. no. 62.

Tribus VII. SUBPALMATAE Lehm. 1. c. pag. 43. Foliis 2—3-jugis, foliolis in summo petiolo valde approximatis et ita dispositis, ut folium digitatum fere faciaot.

Corollis luteis s. flavis.

«9. PARGYROLOMA Boiss. Diagnos. plant, novar. X. pag. 6.—Lehm. in Addend, ad Ind. sem. hort. Hamburg. 1849 collect, no. 9. — Ejusd. Revis. gen. Potent, cum Icon, (inedit.) — Perennis herbacea: radicis collo fibroso; caulibus pluribus ascendentibus simpUciusculis xsrise hirsutis parce foliosis; foliis radicalibus petiolo longo patulo hirsuto suffullis quinato - palmatiseclis, foliolis oblongo - cuneatis in lobos oblongos obtusiusculos profunde pinnatisectis, inferioribus duobus subsessilibus, intermediis breviter, superiore longe petiolulato. omnibus adpresse hirsutis, margine argyreo - sericeis, foliis caulinis breviter petiolatis 3—5-seclis, foliolis angustioribus profundius dentatis aequaliter et breviter petioiulalis; stipulis oblongo - ellipticis acutiusculis integris; floribus paucis terminalibus laxiuscule corymbosis; pedunculo calyce adpresse hirsulo longiori; laciniis calycinis ellipticis, exterioribus paulo brevioribus angustioribusque oblusiusculis, interioribus acutis; pelalis aurcis obcordatis, calyce duplo longioribus, toro inter stamina albo-pilosissimo; carpellis . . . ? — Crescit in jugo Naserou montis Demawend alt. 7500 ped.

H.

- 70 *P. HOLOLEUCA* Boiss. mss — Lchm m Addend, ad Ind. sem hort. Hamburg. 1849 collect, no. 9 et m hoc Pugillo pag 9 — Re\is gen. Potent, cum icon, (inedit.) — Incana caulibus erectis simplicibus pauciflons, folus bijugis supra subhirsutis albotomentosis, foliolis approximatis oblongis profunde serratis, serratuns aequalibus lanceolatis obiusiusculis, stipulis ovatis aculis lntpgernmis, segmentis caljcis valde acutis, extenonbus lineanbus, reliquis ovalis, petalis obcoidaus caUce duplo longionbus (iuteis) — Accedit ad *P. argyolomam* Boiss . quae egiegie diiFerl folus radicalibus subtnjugis, lanus quadnjugis, foliolis oblongo-cuneatis uinnque subhiisutis, infenonibus 4, (in folus quadnjugis 6) verticillalim disposals, inQmis 2 (in folus quadrijugis 4) minonbus sessilibus, scquentibus 2 valde peiolulalis, terminalibus foliolis 3, a reliquis \alde dislanibus sossilibus. segmentis caljcjs ezterionbus lationbus obtusiusculis, floribus minonbus — Crescit m Per&iae borealis monte Demawend alt. 7500 ped
- 71 *P. BREVIFOLIA* Null, mss in Toir etGiat, Fl of North Amenc. I pag. 442 no 23 — Wlprs Rcpert II 34. no 77
- ^2 *P. GERANIODES* Willd Sppc. plant. II pag. 1001 — Ser. in DC. Prodi. II. pag. 576 no 31. — Spieng. Syst. Yeg. II pag. 538. no 52 — Lehm Nonogr. pag. 87 no 34 — Nostl Monogi pag 47. no. 30 tab 5. fig 1 (non Schleich)
- ji *nuda*
P. nuda Boisa. Diagn. plant novar VI pag 49. — Wlprs. Annal I 278 no 4
- 73 *P. DEALBATA* Bunge in Ledeb Fl Alt. II pag 250 no 20 — Ledeb. Fl Ross. II pag 48. no. 27 — Ejusd. Icon plant?. Fl Ross, illusti. IV. tab. 326 — Wlprs. Rcpert II 29 no 34
V aigntea Herb Willd no 9951, fol. 6. (teste Ledeb)
P. subpinnata Herb Acad. Petropol (non Ledeb.)
74. *P. PULCHERRIMA* Lehm. Novai et minus cogmtar. stirp. Pugill II. pag. 11, et in Hook Fl. Boreal -Amenc I. pag 190 no. 13 — Ejusd Revi* gen. Potent, cum icon, (inedit.)
P. Pensylvamca 8 pulchemma Torr et Gray, Fl. of North Amenc I. pag. 438 — Wlprs. Report. II. 32. no 60.
- 75 *P. APPROXIMATA* Bunge in Ledeb. Fl. Alt. II. pag. 241 no 8. — Ledeb Fl. Ross. II. pag. 41. no. 13. — Ejusd Icon plant fl Ross illustr. IV tab 325 — Wlprs. Rcpert. II. 29 no. 30.
P. multifida Heib Willd. no. 9930 fol. 3 (teste Ledeb)
- 76t *P. SUBPALMATA* Ledob. Fl Ross. II. pag 56 no J5 - Lehm Revis gen. Pot. cum icon (inedit)
77. *P. RUBRICAULIS* Lehm No\ar. et minus cognit. stup. Pugill. II. pag. 11. et in Hook Fl Boreal-\menc I pag. 191. no 14 — Torr et Gray, Fl. of North Amenc. I. pag. 438 no 7 — Lehm Rovis. gen Potent, cum icon (inedit) — Wlprs. Rcpert II. 32 no. 61
- 78 *P. DOMBISYI* iNesti Monogi pag 38 no 19 tab. 5. flg. 2 — Ser m DC. Prodr. H. pag 579 no 50 — Sprengi <^st Wg H pag 535. no 21. — Lehm. Monogr. pag. 4b. no 9
p. *robustior*:
P. andicola Bnth. Plant. Hartweg. pag. 172. no. 968. — Wlprs. Repeit V. 651 no. 2.
79. *P. DIVERSIFOLIA* Lehm. Novar. et minus cogmtar. stirp Pugill. II. pag. 9. et io Hook. Fl. Boreal-Amenc. I. pag. 190. no 12. — Torr. et Gray, Fl. of North Amerfc. I. pftg. 439. no. 10. - Wlprs. Rcpert. II. 33. no. 64.

- P. campestris* Null. mss. (fide spec. Herb. Hook.)
P. dissecla Nutt. in Jour. Acad. Philad. VII. pag. 20. (non Pursh.)

(5. *glaucophylla*:

- P. glaucophylla* Lehin. Ind. sem. bori. Hamburg. 1836 collect. — Linnaea. VII. Litteraturb. 83. — Lehm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Report. II. 33. adn.

* * Corollis purpureis s. fuscis.

- *0. *P. PALUSTRIS* Scopol. Fl. Cam. (ed. 2.) I. pag. 359. — Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 627. no. 423. — Ledeb. Fl. Alt. II. pag. 250. no. 19. — Spreng. Syst. Veg. II. pag. 536. no. 27. — Lehm. Monogr. pag. 52. no. 13.
P. rubra Hall. fil. in Ser. Mus. Helv. I. pag. 56. (non Willd. Herb.)
P. Comarum Nestl. Monogr. pag. 36. no. 15. — Ser. in DC. Prodr. II. pag., 583. no. 80.
Comarum palustre L. et Auct. — Koch, Synops. (ed. II.) pag. 255. — Fl. Dan. tab. 636. — Engl. bot. III. tab. 172.
Comarum rubrum Gilib. Fl. Lithuan. V. pag. 255.

p. *villosa*:

- P. palustris* (J *villosa* Lehm. Monogr. pag. 53.

81. *P. EHRENBERGIANA* Schlecht. in Linnaea XIII. pag. 261. — Lehm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Repert. II. 31. no. 54.

Ser. // . *Foliis digitatis quinatis septenatis novenatisve.*

A. *Carpellis glabris.*

Tribus VIU. MULTIFLORAE Lehm. I. c. p. 44. Caulibus elongatis, multifloris; receptaculo pilis vix longitudine carpellomm adperso; petalis obcordatis v. rarissime (in *P. holopetala* Turcz. ft *P. virgata* Lehm.) integerrimis.

Sitbribun 1. Chrysanthae Lehm. I. c. Caulibus ascendentibus flaccidis; foliis utrinque viridibus; floribus laxis aureis.

- ⁸². *P. PATULA* Waldsl. et Kit. Plant, rar. Hung. II. pag. 218. tab. 194. — Koch. Synops. (ed. 2.) pag. 238. no. 10. et in Sturm. Deutschl. Fl. fasc. 91. tab. 10. — Ser. In DC. Prodr. II. pag. 575. no. 28. — Spreng. Syst. Veg. II. pag. 537. no. 47. — Lehm. Monogr. pag. 103. no. 43. — Nestl. Monogr. pag. 56. no. 41.

P. patula et patula tenella Trait. Ros. Monogr. IV. no. 92 et 93.

- ⁸³. *P. NUTTALLII* Lehm. Revis. gen. Potent, cum icon, (inedit.)
P. rigida Nutt. in Jour. Acad. Philad. VII. pag. 20. — Torr. et Gray, Fl. of North Americ. I. pag. 440. no. 14. (excl. *P. chrysantha*) non Wallich. — Wlprs. Repert. II. 33. no. 68.

P. recta Nutt. gen. I. pag. 310. (teste Torr. et Gray,;

- **0. *P. HEPTAPHYLLA* Mill. Diet. no. 9. — Lehm. in Men. et Koch, Fl. Deutschl. III. Pag. 528. et in Ind. sem. hort. Hamburg. 1831. — Bernh. Select, sem. in hort. Erfurt. 1833 collect. — Ser. in DC. Prodr. II. pag. 586. no. 105.

- P. intermedia* Auct. (non L.) — Koch. Synops. (ed. 2.) pag. 238. no. 11. — Ser. in DC. Prodr. II. pag. 577. no. 39. (oxcl. *P. opaca* Jacq.) — Spreng. Syat. Veg. II. p. 536. no. 32. (excl. *P. umbrosa* et *chrysantha*.) — Lehm. Monogr. p. 100. no. 41. — Nestl. Monogr. p. 49. no. 34. tab. 8.
- !'. *Neslleri* Fries. Novit. II. Suec. p. 45. (nomen.)
- ^ *Nestleriana* Trait. Ros. Monogr. IV. no. 91.
- P. Dauhini* Hortul. ex Schlcht. in Linn. II. p. 26.
- P. alchemilloides* Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. p. 291. (ex pane) non Lapeyr.
- P. opaca* Hegetschw. Reis. p. 158. no. 6. (non L.)
- P. geranioides* Schicich. Catal. 1807. p. 20. (ex pane) non Willd."
- P. varians* Mocnch, Method, p. 658.
- P. verna* Pall, in Herb. Willd. no. 9964. fol. 4. (teste Lcdeb.)

(S. *grandiflora*:

- P. intermedia* [3 *macropetala* Ser. in DC. Prodr. II. pag. 577.
- P. intermedia* Reichenb. Icon. bot. Cent. IV. tab. 590 fig. 809. (Conf. "Gaud. Fl. Helv. VI. App. pag. 358.) — Thorn. Catal. 1818. pag. 20. (teste Seringe 1. c.)

y. *parviflora*:

- P. parviflora* Gaud. Fl. Helv. VI. pag. 388. no. 1168. (ex pane).
- P. Mathoneti* Jord. in Adnot. ad Catal. sem. hort. Gratianopolit. 1849 collect. pag. 23. *)
- P. Heufeliana* Steud. — Maly. Enumerat. plant. imperii Austriaci universi pag. 340. no. 16.
- P. Pnnctica* C. Koch, Linnaea XIX. pag. 41. — Wlprs. Repert. V. 652. no. 5.
- P. Buquoyana* Knaf in Regensbg. bot. Zeit. 1847. Vol. I. pag. 181. — Wlprs. An* nal. I. 278. no. 1.
- P. micropetala* Reichb. Fl. Excurs. no. 3844. (non Don.)
- !'. *Thuringiaca* Dornh. — Link, Enumerat. plant. alt. II. p. 64. — Koch, Synops. (ed. 2.) pag. 239. no. 12. et in Sturm, Deitschl. Fl. fasc. 91. lab. 11. — Ser. in DC. Prodr. II. pag. 578. no. 43. — Schlcht. in Linnaea II. pag. 26.
- !'. *chrysoptala* Besser in Herb. Lehm. (quam ad *P. hirtam* refert Seiv in DC. Prodr. II. pag. 587.)
- P. adscendens* Wolf (teste Reichb. Fl. excurs.) non Waldst. et Kit.
- P. depressa* Consp. Potent. Herb. Willd. in Magnz. der Gesell. naturf. Fr. VII. pag. 289. (ex pane).

8. *elongata*:

- P. intermedia* y *elongata* Ser. in DC. Prodr. II. pag. 577.
- P. elongata* Goldb. in Herb. Lehm.— *P. elongata Goldbachii* Rupr. in Hist, stirp- fl. Petropol. diatrib. pag. 62. (non Besser.)

*) Pedunculis tenuibus villosis, fructiferis declinatis; calycis villosi laciniis aculis, exterioribus lineari - oblongis interiores lanceolato-lanceolatis vix aequantibus; petalis fere contiguis obovatis leviter emarginalis calycem parum excedentibus; styliis superne extrorsum leviter flexis antheras ovatas baud aequantibus; carpellis ovoideis rugulosis subimmixtis glabris; foliis radicalibus caulisque inferioribus senienalis longe petiolatis, superioribus quintis ternatisve breviter petiolatis, foliolis utrumque viridibus pilis ad eorum oasim et petiolos paientissimis laxè pubescentibus obovato-oblongis circumcirca incisisserratis, basi tantum cuneata subintegris, denibus 11 — 15 lanceolatis subaculis paientissimis linearibus acutis integris; caulibus molliter birsutis diffusis asiltil. Similibus; ramis flexuosis primum erectis. demum divaricatis brevialiter surculis densis floriferis sterilibus intermixtis. — Habitat in pascuis Alpium Delphinatus.

P. Thuringiaca C. A. Meyer, Florula prov. Wiatka pag. 56. no. 289. (Carpella pro maturiatis diversitate rugulosa vel sublaevia sunt.)

- R5. *P. CHRYSANTHA* Trev. Ind. sem. hort. Wratislav. 1818. — Koch. Synops. (ed. 2.) pag. 239. in nota. — Ledeb. Fl. Ross. II. pag. 49. no. 29. (excl. (3 *holopetala*.) — j\$usd. Icon. plant. fl. Ross, illustr. IV. tab. 338. (?) — Grieseb. Spic. fl. Rurael. et Bitbyn. I. p. 98. no. 36. — Reichenb. Iconogr. botan. Cent. VI. tab. 589. fig. 808.

P. intermedia (3 Mert. et Koch, Deutsch:Fl. III. pag. 528.

P. laxa Cons p. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Deri. VII. pag. 289. (ei parte.)

(J. *macrophylla*:

P. chrysantha (J *macrophylla* Lehm. hi Ind. sem. hort. Hamb. 1850. colled* pag. 7.

P. chrysantha \$ *latifoliolata* Reichb. Fl. ezcurs. no. 3843. (?)

86. *HOLOPETALA* Turczan. in Bullet. de la soc. des natur. de Moscou XVI. pag. 612. no. 406. — Ej. Gatal. Baical. no. 415. — Wlprs. Repert. V. 652. no. 4.

P. chrysantha (3 *holopetala* Ledeb. Fl. Ross. II. pag. 49. no. 29.

P. fastigiala Nutt. mss. (3 Torr. et Gray, Fl. of North Americ. I. pag. 440.

(J. *fastigiala*:

P. fastigiala Nutt. mss. — Torr. et Gray L c. no. 13. — Wlprs. Repert. II. 33. no. 67.

37. *V. KLEINIANA* Wight. Illustr. of Ind. bot. 1.1.85. — Wght'. et Arntt. Prodr. Fl. peiosul. Ind. Orient. I. pag. 300. no. 925. (occurrii in herbariis nomine *P. Wallichianae*.) — Wlprs. Repert. II. 28. no. 24.

- EH *P. WALLICHIANA* Del. in Wall. Catal. plant. Ind. Orient, pag. 28. no. 1022. (non Gouan, nee Ser. in DC. Prodr.) — Lehm. Novar. et minus cognit. stirp. Pugill. III. pag. 30. — Ejud. Re vis. gen. Potent, cum icon, (inedit.) — Wlprs. Repert. II 28. no. 22.

P. gracilis Wall, in Herb. Colsmann. 1824. (non Dougl.)

Subtribus II. Rectae Lehm. l. c. p. 46. *Grandiflorae: caulibus erectis firmis petiolisque pilosis, pilis in plurimis longissimis patentimimis; floribus confertis subcorymbosis.*

Coroilis luteis.

a. *Foliis uirique viridibus.*

- 8y. 1^o. *UMBROSA* Stov. in Bieb. Fl. Taur. Caucas. III? pag. 357. no. 1004. — • Ledeb. Fl. Ross. II. pag. 53. no. 38. — Ser. in DC. Prodr. II. pag. 574. oo. 20. — Lehm. Revis. gen. Potent, cum icon, (inedit.) *

P. odora Mart. Ind. sem. hort. Monacens. et in Herb. Lehm.

3- *minor*:

P. Nordmanniana Ledeb. Fl. Ross. II. pag. 53. no. 40.

- w. *P. DESERTORUM* Bunge in Ledeb. Fl. Alt. II. pag. 257. no. 29. — Ledeb. Fl. Ross. II. pag. 53. no. 38. — Ejusd. Icon. plant. Fl. Ross, illustr. IV. lab. 337. — Wlprs. Re- Pert. II. 28. no. 21.

91 P. KOTSCHYAM Fenzl. Novar. ship. Syi. pugill. I. pag. 6. no 14. ot in Russeggei, Reisen I pag 902 — \Mpis Repert II 28 no 20

02 p. TAIRIC\ Consp. Potent Herb Willd in Magaz dei GeseJl naturf Fr. zu Beil. MI. pdg. 291. — Ledeb. Fl Ross II pag 46 no. 22 — Spreng. Sjst Veg. II pag 536 no. 31 — Lchm Monogi pag 90 no 3b tab 9

! *hula* sub 8 Ser in DC Piodr II pag 579. (e\ pane)

P hirta Pall. Ind. Taw — Bieb. Fl Taur. Caucas. I pag. 406 (ex pai le ;

p. *lanugwosa*:

P lanugihosa Fisth mss in Herb Lehm — Steud Noniencl bot

M3 P RLCTA L

aj obscwa

P. recta Fl Dan. tab 1820. — Fries Heib noun lasc XI. no 4b

P. recta (S *obscwa* Koch Syn. fed 2) pag 236, et in Sturm, Deutschl. Fl fast. 91 tab 5

P recta p a Ledeb. Fl Ross II pag 46 (excl *P. palhda* Lag et *lecta* ? Besser)

P hirta \$ *obscura* Sei in DC. Piodr II. pag. 279

P obscura Willd spec plant II pag 1100. — Bertol Fl Ital V, pag. 248. no 6 — Spreng. Sjst Veg II. pag 536 no 29 — Lehm Monogr pag. 82 no 31 — Nocca ct Balb Fl Ticm tab 10 — Nestl Monogr. pag. 44 no 26.

It) *pilosa*

P recta (3 b. Ledeb. Fl. Ross. II. pag. 46.

P huta a *rubenf* Sei. in DC. Prodr. II pag, 578 (excl. *P hxrla lai.* a D1. et *P. pedata*)

P obscui a Reichenb Icon bot Cent IV. tab. 340. fig 521 (non Willd.)

P pilosa Willd. Spec, plant. II. pag 1100. — Koch, Synops. (ed. 2) pag 237 no. 6 et in Sturm, Deuschl Fl. fasc 91 lab 7. ~ Bieb. Fl. Taur. Caucas III pag 356, no 997.

P hirta All. Fl Pedemont. HI. tab. 71. fig. 1. (quoad figuram.;

! *pentaphylla* Richter, Nalurges. der Gegend um Reichenb. (fids Pohl Tent Fl Bohem. II pag. 181)

p. *palhda*:

a) foliolis simplicitei soiratis

P lecta Koch, Synops. (ed. 2) pag. 236. no. 4, et in Sluim. Deutschl Fl. fasc. 91. tab 4 — Ledeb. Fl Ross. II. p. 45 no 21 — Reichenb. Icon bot. Cent. IV. tab. 339 pag 520 — Spreng Syst Veg II pag 536. no. 28. — (excl. *P. pilosa*) — Lehm. Monogr pag 79. no 30. (excl. *P. pilota*) — Nestl Monogr. pag. 42 no. 25 tab. 6 *

P. recta & Besser, Enumeral pag. 21. no 620.

P. lecta P *sulphurca* Lapeyi Hist. abr. des plant des Pjrenees pag 418

P. hirta e *recta* Ser in DC. Piodr II pag. 579.

P. crassa Tausch-Opi/, Boheims Gewachsc pag 63

P. pafllida Lagasc Catal pi hort Mali it

P. pallens Moench, Meth pag 658.

P. sulphurea Lam Fl. Fr. III. pag. 114

P. tntermedia Roth, Tent Fl Germ. I. pag 223. (non L. nee. Auct.)

P acutifolia Gihb. Suppl. plant Europ. pag. 364.

P. erecta Uspenski (?) (teste Ledeb.)

• b) foliolis laciniatis:

P. recta V *laciniosa* Koch, Synops. (ed. 2.) pag. 237 (ex parte.)

P. laciniosa Lindl. in Bot. Reg. tab. 1478. (non Waldst. et Kit)

y. *astrachanica*:

a) foliolis simpliciter inciso - serratis:

P. recta * *Astrachanica* Ledeb. Fl. Ross. II. pag. 45.

P. hirta 8 *Astrachanica* Ser. in DC. Prodr. II. pag. 578. (excl. *P. Taurica* et *divaricata*.)

P. Astrachanica Jacq. Icon, plant, rar. I. tab. 92. — Spreng. Syst. Veg. II. p. 537. no. 41. — Bieb. Fl. Taur. Capas. III. pag. 356. no. 998. — Lehmann. Monogr. pag. 77. no. 29. — Nestl. Monogr. pag. 41. no. 23.

P. hirta Ledeb. Fl. Ross. II. pag. 46. no. 23. (excl. synonym. plur.) fide specimenum a virr. ell. Fischer, Prescott et A. Richter accept.

P. alterniflora Rich. mss. (teste Nestl)

P. corymbosa Moench. Melh. Suppl. pag. 279.

P. rupestris Falk, Beitr. II. pag. 193. tab. 9. (mala.)

b) segmentis foliolorum serrato - dentatis.

8. *divaricata*:

P. recta (S *divaricata* Gien. et Godr. Fl. de France I. pag. 534.

P. hirta 8 Ser. in DC. Prodr. II. pag. 579. (excl. *P. Astrachanica* et *Taurica*.)

P. divaricata DC. Obs. in Catal. plant, hort. Monspel. 1813. pag. 135. no. 171. — Ejuds. Fl. Franç. Suppl. pag. 511. — Spreng. Syst. Veg. II. pag. 536. no. 37. — Lchm. Monogr. pag. 76. no. 28. — Nestl. Monogr. pag. 41. no. 24.

*. *laciniosa*:

P. recta Y *laciniosa* Koch. Syn. (ed. 2.) pag. 237. (ex parte.) — Ledeb. Fl. Ross, II. pag. 46.

P. hirta (S *laciniosa* Derl. Fl. Ital. V. pag. 249. no. 7.

P. hirta Y] *laciniosa* Ser. in DC. Prodr. II. pag. 579.

P. laciniosa Waldst. et Kit. in lit. — Spreng. Syst. Veg. II. pag. 536. no. 34. — Lehmann. Monogr. pag. 86. no. 33. tab. 7. — Nestl. Monogr. pag. 45. no. 28.

P. cardiopetala Bess. mss. in Herb. ^Lehm.

94. *P. DELPHINEKSIS* Gren. & Godr. Fl. Fr. I. 530. - Lehm. mss. in E. Otto, Garten- u. Blumenzeitung. VII. 311. f — Caulibus erectis simplicibus superne laxè "ichotomo-subcorymbosis; foliis longe petiolatis quinatis, sublus pilis incumbentibus adpersis. foliolis oblongis profunde grosseque serratis, serraturis terminalibus oeqvibus; stipulis semiovalis integerrimis longe adulatis; segmentis calycis aequali longitudine. e.terioribus lanceolatis trinerviis; pelalis obcordatis calyce duplo longioribus maximis aureis. — Differt a *P. recta* caule dimidio breviorè. inflorescentia laxa, flore prope mensem majore natu et corollis duplo majoribus. — Habitat in Delphinatu.

95. *P. HIRTA* L.

a. *genuina*:

a) foliolis simpliciter serratis.

P. hirta L. - Koch. Synops. (ed. 2.) pag. 237. (excl. All. tab. 71. fig. 1.) et in Sturm. Deutschl. Fi. Fasc. 91. tab. 6. — Ser. in DC. Prodr. II. pag. 578 (ex parte). — Spreng. Syst. Veg. II. pag. 536. no. 30. — Lehm. Monogr. pag. 88. no. 35. (excl. *P. Sibirica* Patr.) — Nestl. Monogr. pag. 46. no. 29. (excl. syn. plur.)

- P. laeta* Reichenb. Fl. excurs. no. 3858. (teste Bertoloni. Tomassini et Visiani.¹)
P. parva Friev. Herb. Rumel. (teste Griesb. Spicil. fl. Rum. et Bihyn.)
P. pilosa Nocca et Balb. Fl. Tic. I. pag. 240. (non Willd.)
P. recta Scopol. Fl. Cam. (ed. 2.) I. pag. 359. (excl. syn.)

b) segmentis foliolorum dentatis.

- P. hirta* P Bertol. Fl. Ital. V. pag. 249.
P. hirta Y *diversifolia* Scr. in DC. Prodr. II. pag. 578. (?)

p. *subsericea*:

- P. hirta* Y *subsericea* Griseb. Spicil. ft. Rumel. et Bithyn. 1. pag. 9b.

y. *pinnatifida*:

- P. hirta* P *pinnatifida* Griseb. Spicil. fl. Rumel. et Bithyn. I. u.

8. *pedata*:

- P. hirta* Y *pedata* Koch, Synops. (ed. 2.) pag. 237.
P. pedata Willd. En urn era t. Suppl. pag. 38. — Sprong. Pugill. II. p. 67. no. 128.
 — Ejusd. Syst. Veg. II. pag. 536. no. 33. — Lodd. Rot. Cab. tab. 579. —
 Schrank, Hort. Monac. tab. 17. — Lehm. Monogr. pag. 84. no. 32. — Nestlr.
 Monogr. pag. 44. no. 27. tab. 7.
P. pilosa DC. Fl. Franç. VI. pag. 510. (excl. syn.)
P. rubens All. Fl. Pcd. II. pag. 58. no. 1486. (excl. syn.)

e. *angustifolia*:

a) segmentis foliolorum acutis. — Lehm. Monogr. tab. 8.

- P. hirta* (i *angustifolia* Ser. in DC. Prodr. II. pag. 578. — Koch. Synops. (ed. 2.)
 pag. 237.
P. hirta Lapeyr. Hist. abr. des plant, des Pyren. pag. 228. (excl. syn.)
P. chrysopetala Bess, in lilt, el in Herb. Lehm.
P. angustifolia DC. Fl. Fr. V. pag. 540. (non Willd.)
P. pilosa Vill. Fl. Delph. III. pag. 570. (non DC. nee Willd.)

b) segmenlis foliolorum rotundato - obtusis.

- P. hirta* Y Lapeyr. Hist. abr. des plant, des Pyren. paf. 288.
P. angustifolia Endress. Hb.

96. *P. CAPPADOCICA* Boiss. Diagn. plant, novar. no. III. pag. 7. — Wlprs. Repert. V. 653. no. 8.

97 *P. LONGIPES* Ledeb. Fl. Ross. II. pag. 50. - Alex. Lehm. Reliq. bot. no. 452. -
 Lehm. Revis. gen. Potent, cum icon, (inedit.)

b. *Foliis subtus tomentosissimeanis vel niveis.*

98. *P. CONCINNA* Richards, in Frankl. Jour. no. 192. — Torr. et Gray, Fl. of North
 Americ. 1. pag. 443. no. 24. — Lehm. Monogr. Suppl. I. tab. 7. fig. 2. et in Hook. **
 Boreal. - Americ. I. p. 193. no. 24. tab. 67. — Ej. Novar. et minus cognit. slirp. Pugill.
 H. pag. 13. — Wlprs. Repert. II. 34. no. 78.

P. pulchella Spreng. Syst. Veg. IV. cur. post. pag. 199. no. 107.

p. *humifusa*:

- P. humifusa* Null. Gen. 1. pag. 310. — Torr. et Gray, Fl. of North Americ. I. *
 * 443. no. 26. - Ser. in DC. Prodr. II. pag. 574. no. 19. (non Herb. Willd.) **
 Wlpra. Repert. II. 34. no. 79.

99. *P. DETHOMASII* Tenore. Sylfl fl. Neap. I. pag. 61. — Ej. Fl. Neap. I. p. 285. no. 319. tab. 44. — Grieseb. Spici. fl. Rumel. et Bithyn. I. pag. 99. no. 37. — Bertol. Fl. Ital. V. pag. 255. no. 11. — Lehm. Monogr. pag. 193.
P. Thomasii Ser. in DC. Prodr. II. pag. 576. no. 35. (non C. A. Meyer.) — Sweet, Brit. Fl. Garden (Ser. II.) tab. 365.
P. collina Prin. do Potent. Ital. pag. 14. no. 17. (excl. syn.) non Wibel.
P. mollissima Horlul. non Lehm.
100. *P. MOLLISSIMA* Lehm. Ind. sem. horl. Hamb. 1831 collect, pag. 6. et in hoc Pugillo pag. 11. — Ejusd. Revis. gen. Potent, cum icon, (inedit.) — Mollissima: caulibus suberectis plurifloris canescentibus; foliis quinatis, foliolis sessilibus oblongis grosse serratis, supra flavescenii -viridibus, subius dense tomeniosis incanis; stipulis ovalis ncutis foliorum caulino-rura quam maxime dilatatis subintegerrimis; floribus subcorymbosis; segmentis calycis fere aequalibus ovalo - lanceolatis acutis; petalis obovatis retusis calyce paulo longioribus luteis. — Habitat in alpibus Karatan.
Potentilla-no. 454 Reliquiae botan. Alex. Lehmann fide spec, a cl. Bunge accept.

* * Corollis albis.

101. *P. IOLOSERICEA* Griseb. Spicil. fl. Rumel. et Bithyn. I. pag. 99. no. 38. (non Nun.) — Lehm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Repert. II. 912. no. 3.

* * * Corollis sanguineis.

102. *P. IAEMATOCYROA* Lehm. Ind. sem. hort. Hamb. 1836 coll. p. 7. — Flor. Cab. III. tab. 116. (tabula non inspecta.) — Schlicht. in Linn, XII. Litteraturb. pag. 83. XIII. pag. 263. — Wlprs. Repert. II. 31. no. 53.
103. *P. NEPALENSIS* Hook. Exot. Fl. II. tab. 88. — Ser. in DC. Prodr. II. pag. 579. no. 47. — Lodd. Bot. Cab. tab. 1031. — Wall. Cat. plant. Ind. Orient, p. 29. no. 1027. — Wlprs. Repert. II. 31. no. 50.
P. formosa Don, Prodr. fl. Nepal, pag. 232. no. 9. — Sweet, Brit. flow. gard. (Ser. I.) tab. 136. — Spreng. Syst. veg. IV. cur. post. pag. 199. no. 108.
P. bifurcata Wall, in Herb. 1824.
P. colorata Lehm. Ind. sem. hort. Hamb, 1820 collect, et in Act. Acad. Natur. Curios. XIV. P. II. pag. 817. — *P. Guilelmi Waldemarii* Kltzsch. Pl. nov. inedit. tab. 13. — *P. coccinea* Hffmstr. Briefe aus Indien app. II. no. 511. (nomen) ?
104. *P. COMAROIDES* Humb. et Bonpl. - Nestl. Monogr. pag. 62. no. 50. tab. 4. fig. 2. — Kunth, Nova gen. et spec, plant. IV. pag. 217. — Ser. in DC. Prodr. II. pag. 584. no. 87. — Spreng. Syst. Veg. II. pag. 539. no. 68. — Lehm. Mooogr. pag. 137. no. 58.
P. rubra Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. pag. 292. (non Hall, fil.)

p. *fusca*:

- P. fusca* Schlicht. in Linnaea XIU. pag. 262. — Wlprs. Reperl. H 28. no. 26.

Subtribus III. Argenteae Lehm. I c. p. 60. *Parviflorae*: caulibus ascendentibus petiolisque pubescentibus et tomentosis; foliis utrinque v. subtus saltern plus minusve incanis tomentosis.

* Corollis rubris.

- ¹⁰5. *P. PETRAEX* Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. ^v*I. pag. 292. — Ledeb. Fl. Ross. II. p. 54. no. 42. (excl. *P. cinerea* et *argent. t>ar. ?*.)

— Ser. in DC. Prodr. II. pag. 577. no. 37. — Spreng. Syst. Veg. II. pag. 538. no. 51. — Lchm. Monogr. png. 119. no. 50. tab. 11.

P. rubricauhs Pall, in Herb. Willd. no. 9980. (non Lehm.)

* * Corollis luteis.

106. *P. FENZLII* Lehm. in Addend, ad Ind. Gem. hort. Humb. 1649 collect, no. 10. et In hoc Pugillo png. 12. — Ejusri. Revis. gen. Potent, cum icon, (inedit.) — Caulibus brevibus erectis tomentososis pilosisque niveis; foliis inferioribus quinalis, foliolis oblongo-lanceolatis. margine planis profunde serratis, serratura terminali porrecta, supra pallide viridibus. subtus niveo-tomentosis; stipulis lanceolatis integerrimis; floribus in capitulum terminale conglobatis; segmentis calycis exterioribus linearibus paulo longioribus, reliquis ovatis aculis; petalis longiludine calycis obcordatis (luteis). — Proxima *P. argenteae* L., a qua differt praeter alias notas, statura multo humiliore. forma foliorum, quae supra pallide viridia fere fiavescentia, margine plana neque subcoriacea sunt. stipulis integris, 11 oribus in capitulo folioso conglobatis, segmentis calycis exterioribus linearibus reliquis paulo longioribus, floribus raulto majoribus. — Habitat in monte Tauro.
107. *P. MEYERI* Boiss. Diagnos. plant, novar. III. pag. 7. — Wlprs. Report. V. 659. no. 10.
P. argentea forma foliis latioribus. Ledeb. Fl. Ross. II. pag. 48.
P. Tomasii C. A. Meyer. Ind. Caucas. pag. 168.
P. Calabria variet. Hohenack. Enumerat. plant. Talysch. in Bullet, de la soc. des natur. de Moscou 1838. pag. 365.
108. *P. CALABRA* Tenore. Prodr. fl. Neapol. Suppl. II pag. 47. et Fl. Neapol. I. pag. 287. no. 321. tab. 45. — Bertol. Fl. Ital. V. pag. 234. no. 10. — Spreng. Syst. veg. II. pag. 537. no. 44. — Lehm. Monogr. pag. 194. — Lodd. Bot. Cab. tab. 1757.
P. Calabria P. Gussone Prodr. fl. Sic. I. pag. 544.
P. argentea 1) *Calabra* Ser. in DC. Prodr. II. pag. 577.
P. argentea Rafin. teste Philippi in Linnaea 1832. pag. 752.
p. foliis supra globris:
P. Calabria Guss. Prodr. 1. c.
109. *P. ARGENTEA* L.
- a. *vulgaris*:
- P. argentea* L. et Auct. — Koch, Synops. (ed. 2.) pag. 237. no. 8. (excl. *J sordida*.) — Ser. in DC. Prodr. II. p. 576. no. 36 a, p. 8. (excl. *t Güntheriana* et 1) *Calabra*.) — Spreng. Syst. Veg. II. 537. no. 43. — Lehm. Monogr. pag. 94. no. 38. — Nestl. Monogr. pag. 48. no. 32. (excl. *P. Wiemonniana*.) — Engl. Bot. II. t. 89. — Sturm. Deutschl. FL Fasc. 17.
P. decumbent Jord. in Adnot. ad Casal. sem. hort. Gratianopolit. 1849 collect, pag. 22. •)

) Pedunculis tomentoso-hirsutulis tenuibus saepe flexuosis, fructiferis suberectis; calycis subtomentoso-hirsuti laciniis acutis. exterioribus oblongis interiores latiores ovato-lanceolatas baud aequantibus; petalis patenlissimis a se invicem distantibus. calyce subduplo longioribus obovato-cuneatis, emarginatis; styli erectis subflexuosis densis; ovulis ovaiuin eicientibus. antheras superantibus; carpellis ovatis ruguloso-serratis cinctis; foliis radicalibus caulinisque inferioribus quinalis petiolatis, superioribus ternatis sessilibus. foliolis planis, supra fere glabris intense virentibus subtus tomentoso-canescentibusve anguste obovato-oblongis, inferno subcuneatis integris, superne utrinque 2-4 - inciso-serratis. dentibus lanneolatis oblongisve acuis serratis; stipulis linearibus acuminatis; caulis breviter tomentosus pilosis decumbentibus sensimque fere a basi ascendentibus, superne dichotome raris; ramis paniculato-corymbosis, caudicis crassi abbreviati surculis floriferis sterilibus intermixtis. Crescit in arenosis et gramlnosis siccis prope Lyon.

- P. varia* a *argentea* et (*J. cuneifolia* Spenn. Fl. Friburg. III, pag. 755.
P. fnticosa Dub. Hist. des arbr. et arb. tab. 20. (non L.)
P. tomentosa Gilib. Suppl. Syst. plant. Europ. pag. 364.

(5. *cinerea*:

- P. argentea* y *cinerea* Lehm. Monogr. pag.'95.
P. argentea Y *tephrodes* Reiclienb. Fl. excurs. no. 3847.
P. argentea (5 Mertens et Koch, Deutschl. Fl. IN. pag. 524.
P. cinerea Conspect. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Deri. VI, pag. 296.

y. *impolita*:

- P. argentea* y *impolita* Koch, Sjnops. (ed. 2.) pag. 238.
P. argentea P *impolita* Nestl. Monogr. pag. 49. — Lehm. Monogr. pag. 95.
P. argentea S *impolita* Ser. in DC. Prodr. II. pag. 677.
P. argentea var. *impolita*, *absinthifolia* et *multifida* Tratt. Ros. Monogr. no. 17, 49. 5i.
P. impolita Wahlenb. Fl. Garpalh. principal, pag. 155. no. 507.
P. incanescens Opiz. (fide specimin.)
P. Ucratica Lodd. Catal. 1818. (fide specimin.)
P. neglecta Baumg. Eoumerat. slirp. Transylv. II. pag. 63. no. 1000.
P. cinerea Rafn. in lilt.
P. Norwegica Gomers, Catalog, scepus. no. 278. (teste WahJenbg.)

8. *virescens*:

- P. argentea* (i *virescens* Uartm. Scand. Fl. pag. 162. (excl. syn. Fl. Dan.)— Wenderth. Fl. Hass. no. 649. — Meyer, Chlor. Hannov. pag. 42. (exclus. syn.)

£. *fissecta*:

- P. argentea* Y *dissecta* Wallrtb. Sched. crit. I. pag. 237. — Ser. in DC. Prodr. II. pag. 577.
P. varia Y *laciniata* Spenn. Fl. Friburg. III. pag. 755.
P. argentea Fl. Dan. tab. 865. (?)

£• *demissa*:

- P. demissa* Jord. in adnot. ad Calal. sent. hort. Gratianopolit. 1849 collect, pag. 22. •)

Q *teptenata*:

- P. argentea septemsecta* Meyer. Fl. Hann. excurs. pag. 178.

si.h.)^{Pe} «iunculis tomentoso-pilosis leniibus saepe flexuosis. fructiferis erectis; calycis
 abjmemoao-hirsuti lacinis acutis. exterioribus linearibus interioribus laliore
 jeolaias baud aequantibus; stribis erectis subHexuosis siaminuip longiorum ambers
 jequantibus: carpellis minuiis oblongo-oyaiis leyiter rugulosis immorginatis; foliis radi
 caibus caulinisque nuinatis petiolatis, superioribus ulumis tanlum lernaiis subsessilibus.
 oiiolia parvis planis, supro viridibus parce pilosis vel subglabris, subtus tomenioso-can
 anesceniibusve oblongo-oboiaiiis. inferne eximje attenuaio-cuneatis inlegris.
 unque superne 2—4- inciso-dentatis. dentibus lanccolatis ve! lineari-oblongis acutis
 subpatentibus; stipulis linearibus acuminatis; caulibus gracilibus tomentoso-pilosis, an
 dique decumbentibus. a basi vcl a medio sensim ascendeniibus, superne dichotome ram
 ois. difuse pauculato-corymbosa, caudicis crassi abbreviati surculis floriferis steri
 libu« intermixtis. — Habitat in graminosis siccis collium graniticarum propo Lyoq.

110. *P. COLLINA* Wibel.a. *obtusata*:

- P. collina* Wibel, Incisuris (foliolorum) obtusis laiusculis Wibel, Prim. Fl. Weilh. 2. pag. 237. — Koch, Synops. (ed. 2.) pag. 238. no. 9. (ex parte.) — Reichenb. Fl. excurs. no. 3852. — Ser. in DC. Prodr. II. pag. 577. no. 38. — Spreng. Syst. Veg. II. pag. 537. no. 49. (excl. *P. Thomasii*.) — Lchm. Monogr. pag. 99. no. 40.
- P. inaperta* Jordan in Adnot. ad Catal. sem. hort. Gratianopolit. 1849 collect. pag. 23. •)
- P. argentea* *P. collina* Döll. Rhein. Fl. pag. 773.
- P. Lindackeri* Tausch, Plant. select. Dohcm. (ex pane.)

p. *diffusa*:

- P. collina* Koch, Synops. (ed. 2.) pag. 238. no. 9. (ex parte.) et in Sturm. Deutsch. Fl. Fasc. 91. lab. 9. — Hartm. Scand. Fl. (ed. 5.) pag. 162. no. 9. — Gren. et Godr. Fl. de France I. pag. 533.
- P. collina sordida* et *collina humifusa* Fries, Summa veg. Scand. pag. 171.
- P. argentea* (3 *sordida* Hartm. Scand. Fl. (ed. 5.) pag. 162. — Koch, Synops. (ed. 2.) pag. 238. (Cf. ibid. png. 444.)_N — Fries Nov. n. Suec. (ed. 2.) pag. 164.
- P. argentea* var. *subnsrdida* Fries. Herb. Norm. Fasc. IV. no. 65.
- P. argentea* y *Güntheri* Döll, Rhein. Fl. pag. 773.
- P. argentea* & *Güntheri* Ser. in DC. Prodr. II. pag. 577.
- P. argentea* 8 *diffusa* Wallrh. Sched. crit. 1. pag. 237.
- P. argentea* var. *Wiemanniana* Nestl. Monogr. pag. 49.
- P. varia* 8 *incana* Spenn. Fl. Frihurg. III. pag. 755.
- P. sordida* Fries. Nov. fl. Suec. mant. III. pag. 43. — Herb. Norm. Fasc. VII. no. 49.
- P. sordida* var. *Güntheri* Fries 1. c.
- P. subargentea* Krock. Fl. Sites. IV. pag. 513. •
- P. Weinmanni* Lodd. Bot. Cab. VIII. lab. 706.
- P. inclinala* Prsl. Fl. Cech. pag. 106.
- P. Güntheri* Pohl, Tent. fl. 13 oh em. II. pag. 185. — Spreng. Pugill. I. pag. 34. no. 63. — Ejusd. Syst. Veg. II. pag. 537. no. 45. (excl. *P. cancscens* Hartm.) — Koch, Synops. (ed. 1.) pag. 214. no. 9. — Men. et Koch, Deutsch. Fl. IU. pag. 525. — Lehm. Monogr. pag. 97. no. 39. lab. 10.
- P. Wiemanniana* Günth. plant. exsicc. Siles. Cent. V. — Reichenb. Fl. excurs. no. 3846.

111. *P. INCLINATA* Vill. Fl. Delph. III. pag. 567. tab. 45. — Ledeb. Fl. Ross. II. pag. 47. — Koch, Syn. (ed. 2.) pag. 237. no. 7. et in Sturm, Deutsch. Fl. Fasc. 91. tab. 8.

*) *Pedunculis tomentoso-hirsutulis tenuibus flexuosis, fructiferis subdeclinatis; calycis hirsuti laciniis subacutis, exterioribus oblongis interiores paulo latiores paulo aequantibus; petalis parvis haud penitus expansis anguste obovatis leviter emarginatis calycem parum excedentibus; stylis laxis superne extrorsum flexis longiorum staminum antheras naud aequantibus; carpellis breviter ooyntis rugulosis immarginatis; foliis ratlicibus can* linsque inferioribus septenatis petiolatis. cacteris quinatis lernatisvc subsessilibus, folioHJ plants, supra viridibus. saepe glabrescentibus, subtus pallidis, pilis incurvato - adpresW* ad marginem laxis pubescentibus ve) subtomentoso-hirsutis ontongo-obovatis, inferno cuneatis miegris, superne utrinque 2—4-inciso-dentatis, dentibus ovatis oblongisve acutiuscuns porrectis; siipulis lineari-lanceolatis aculis integris; caulibus tomentoso - pilo? undique decumbentibus, inferne prosiratis, superne ascendentibus subd^hoiome ramosW/ ramis gracilibus llexuosis crectis approximatis pnucinoris, caudicis demum extensi surculis fiasi pro&tata elongata subradicantibus sterilibus saepe cum iloriferis intermixtis.— Habitat in grominosis siccis collium graniticarum prope Lyon.*

- P. canescens* Besser, Pr. Il. Gall, austr. utriusq. I. pag. 330. no. 607. — Bertol. Fl. Ital. V. pag. 251. no. 8. — Ser. in DC. Prodr. II. pag. 578. no. 42. (excl. *P. ornithopoda*.) — Spreng. Syst. Veg. II. pag. 537. no. 42. (excl. *P. humifusa* Nutt.) — Lehm. Monogr. pag. 411 no. 37. — Nesl. Monogr. pag. 47. no. 31. (excl. *P. Güntheri*.)
- P. argentea* a *inclinata* Döll, Rhein. Fl. pag. 773.
- P. canescens* (§ *inclinata* Ser. in DC. Prodr. II. pag. 578.
- P. varia* & *canescens* Spenn. Fl. Frib. III. pag. 755.
- P. parviflora* Gaud. Fl. Helv. III. pag. 388. no. 1168. (ex parte).
- !'. *Hungarica* Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. pag. 289.
- P. toscendens* Waldst. et Kit. Willd. Enumerat. I. pag. 554. — Daumg. Enumer. stirp. Transylv. II. no. 998.
- P. viminea* Schrad. Iod. sem. hort. Gdltng. (Ade specimen.)
- P. intermedia* Wahlenb. Fl. Carpath. princip. no. 506. (excl. syn.) — Presl, Fl. Cech. no. 105. — Loiss. Fl. Gall. (ed. 2.) pag. 367. (non L.)
- !'. *ipaca* Krok. Fl. Siles. II. pag. 171. no. 806. (non L.)
- P. Ruthenica* Herb. Willd. no. 9946. fol. 2. 3. (teste Ledeb.)
- P. assurgens* Yill. Fl. Delph. III. pag. 567.
- P. hirta* Haenke in Abhandl. der Bdhm. Gesell. der Wissensch. 1787. pag. 112.
- ! | *recta* Jacq. Fl. Austr. IV. tab. 383. (non L.)

p. laciniosa:

- P. inclinata* variet. *laciniosa* Men. et Koch, beutschl. Fl. in. pag. 523.

y. subseptenata:

- P. megalontodon* Lehm. Ind. sem. hort. Hamburg. 1839 collect, pag. 8. — Wlprs. Repert. II. 26. no. 2.
- P. Loddigesii* Spreng. Syst. Veg. IV. cur. post. pag. 199. no. 105.
- P. vmosa* Lodd. Catalog, (ed. 11.) pag. 46.
112. *P. INTERMEDIA* L. Mant. I. pag. 76. (non Auct.) — Fries, Summa veg. Scand. pag. 170. et Mantiss. III. pag. 44. no. 47. — Ejusd. Herb. Norm. Fasc. VII. no. 45. — Lehm. Revis. gen. Potent, cum icon, (inedit.)
113. *p. KURDICA* Boiss: el Hobenack. in Boiss. Diagnos. plant, nov. III. pag. 4. — Lehm. in Addend, ad Ind. sem. hort. Hamburg. 1850. collect, pag. 10. no. 8. — Ejusd. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Repert. V. 652. no. 6.
114. *P. GRACILIS* Dougl. mss. — Hook. Bot. Mag. tab. 2984. et in Pl. Boreal.-Americ. 1. pag. 192. no. 20. — Torr. et Gray, Fl. of North Americ. I. pag. 440. no. 12. (excl. *p*) — Wlprs. Repert. II. 33. no. 66.
115. *P. FLABELLIFORMIS* Lehm. Novar. et minus cognitar. stirp. Pugill. II. pag. 12. — Ej. Monogr. gen. Potent. Suppl. I. tab. 6. et in Hook. Fl. Boreal.-Americ. I. pag. 192. no. 21. tab. 46.
- P. gracilis* *p* (*lahelliformis* Torr. et Gray, Fl. of North Americ. 1. pag. 440.* — Wlprs. 1. c.
116. *p. VIRGATA* Lehm. Monogr. pag. 75. no. 27. — Ser. in DC. Prodr. II. pag. 578. no. 41. — Spreng. Syst. Veg. II. pag. 536. no. 36. — Lehm. Revis. gen. Potent, cum icon, (inedit.)
- P. elongata* Besser mss. teste Spreng. Syst. Veg. IV. cur. post. pag. 199.

Tribus IX. ADREAE Lehm. I. c. p. 54. Caulibus humilibus paucilioris, in plurimis flaccidis; receptaculo pilis vix carpellorum longitudine adperso; * petalis emarginatis v. retusis, aureis v. croceis, rarissime (in *P. pulvinari* Fenzl.) purpureo-variegatis.

117. *P. ADENOPIHYLLA* Boiss. Diagnos. plant, novar. III. pag. 5. — Wlprs. Repert. V. 652. no. 7.

118. *P. OPACA* L. — Hartm. Scand. FJ. (cd. 5.) pag. 163. — Koch, Synops. (cd. 2.) pag. 242. no. 22. — Ledeb. Fl. Ross. II. pag. 49. no. 30. — Torr. et Gray, Fl. or North Aincric. I. pag. 444. no. 29. — socr. in DC. Prodr. II. pag. 575. no. 2 ^ — Spreng. Syst. Veg. II. pag. 538. no. 55. — Lehm. Monogr. pag. 105. no. 44. — Fries, Herb. Norm. Fasc. I. no. 51. — Jacq. Icon, plant, rar. tab. 91.

P. varia Wcnderth. Fl. Hass. no. 665. (non Schimp. et Spcnn.) ex part?.

P. iscumanniana Reichb. Fl. excurs. no. 3836. — Maly, Enumeral, plant, imperif Austriac. pag. 341. no. 24.

P. polymorpha 8 *opaca* Sperm. Fl. Freiburg. HL. pag. 751.

P. lajca Conspect. Potent. Herb. Willd. in Magaz. tier Gesell. nalurf. Fr. zu Berl. VII. pag. 289. (ex parte).

P. depressa Conspect. Potent. Herb. Willd. 1. c. (ex parte).

P. verna. Fl. Dan. lab. 1648. — Herb. Willd. no. 9964. fol. 6.

P. duhia Suter, Fl. Uelv. I. pag. 308. (ex parte).

P. Galliciana Besser, Pr. fl. Gall, auatr. utriusq. I. pag. 333.

P. Sibirica Patr. mss. (teste cl. A. de Jussieu.)

(3. *humifusa*:

P. opaca P *humifusa* Lehm. Monogr. pag. 106.

P. humifusa Conspect. Potont. Herb. Willd. in Magaz. der Gesell. nalurl. Fr. zu Berl. VII. pag. 290. (ex parte) non Nutt.

y. *minor*:

P. opaca (J *Germanica* Gaud. Fl. llelv. HL. pag. 402.

8. *congesta*:

P. opaca y *congesta* Gaud. 1. c.

P. verna (J *hirsulissima* Bertol. Fl. Ital. V. pag. 279. (?)

7*. *verna* (J *pilosissima* Ser. Mus. Helv. I. pag. 71.

^ *aurea* Pollin. Viag. pag. 96. 98. 119.

e. *pulvinaris*:

P. radicata Boiss. Diagnos. plant, nov. VI. pag. 49. — Wlprs. Ann. I. 278. no. 3.

119. I. *MACULATA* Pourr. Act. Tolos. HL. pag. 326. — Hartm. Scand. Fl. (cd. 5.) pag. 163. no. 12. — E. Meyer. De plant. Labrad. pag. 75. (excl. *P. Halleri*).

P. alpestris Hall. fl. in Scr. Mus. Helv. I. pag. 53. — Gren. et Godr. Fl. dc France I. pag. 528. — Koch. Synops. (ed. 2.) pag. 240. no. 18. — Smith. Engl. Fl. II. pag. 419. — Fries, Summa vcg. Scand. pag. 45. — Ejusd. Herb. Norm. Fasc. III. no. 17.

P. Salisburyensis Haenke in Jacq. Coll. II. pag. 68. — Jacq. Icon, plant, rar. III. pag. 6. ub. 490. — Torr. et Gray, Fl. of North Americ. I. pag. 440. no. 15. — Ledeb. Fl. Ross. JL. pag. 55. no. 44. — Koch. Synop*. <od. 1.) png. 216. no. 15. et in Sturm, Deutschl. Fl. Fasc. 17.

- P. crocea* Hall. fl. in Schleib. Catal. 1807. — Spreng. Syrt. Veg. II. pag. 537. no. 48. — Lehm. Monogr. pag. 111. no. 46.
- P. Juratensis* Ser. Cent, exsicc. (teste Nestl. Monogr.)
- P. opaca* Lapeyr. Hist. abr. des plant, des Pyren. J-ag. 188. (excl. varietal.)
- P. dubia* Suter. Fl. Helv. 1. pag. 308. (ex parte).
- P. verna* Wahl. Fl. Ups. no. 341.
- P. verna* (S *major* Wahl. Fl. Suec. pag. 524. no. 580.
- P. verna* Y *Salisburgensis* Nesll. Monogr. pag. 52.
- P. verna* (3 *Salisburgensis* Willd. Spec, plant. H. pag. 1101.
- P. filirra* Relz, Prodr. II. Scand. (ed. I.) pag. 97. — Ser. in DC. Prodr. II. pag. 576. no. 30. et ji *Salisburgensis* ibid. — Ejusd. Mus. Helv. I. pag. 72. lab. 8. fig. a. b. — Smith, Fl. Brit. II. pag. 549. (excl. syn. Hall.) — Engl. bot. tab. 561. — Fl. Dan. tab. 114. (non L.)

p. *Pyrenaica*:

- P. Pyrenaica* Ramond in DC. Fl. Fr. VI. pag. 512. — Gren. et Godr. Fl. de France I. pag. 529.
- P. grandiflora* Y *Pyrenaica* Ser. in DC. Prodr. II. pag. 573.
- P. adscendens* Lapeyr. Hist. abr. des plant, des Pyren. pag. 289. no. 12. (non Waldst. et Kit.)

Y. *firma*:

- P. alpestris a firma* Koch. Syn. (ed. 2.) pag. 240.
- P. affinis* Host. Fl. Austr*. II. pag. 41. — Reichenb. Fl. excurs. no. 3840.
- P. aurea firma* Gaud. Fl. Helv. III. pag. 395. (ex parte).
- P. alpestris c rubens* Hegetschw. Reis. pag. 157. (teste Gaud.)
- P. aurea* Ser. in DC. Prodr. II. pag. 576. no. 30. (ex parte).
- P. Bithynica* Horn. Hort. Hafn. Suppl. pag. 55. — Ser. in DC. Prodr. II. pag. 586. no. 103.
- P. Sabauda* Vill. mss. — DC. Fl. Fr. V. no. 3738. — Reichb. Fl. excurs. no. 3838.
- P. verna* Y *rubens* Willd. Spec, plant. II. pag. 1004.
- P. verna* (J *rubens* Nestl. Monogr. pag. 52.
- P. rubens* Vill. Fl. Delph. III. pag. 566. — Heg. Fl. Helv. I. pag. 364. (teste Gaud.)
- P. rotundifolia* Vill. Fl. Delph. III. pag. 565.

8. *gracilior*:

- P. alpestris* (J *gracilior* Koch, Synops. (ed. 2.) pag. 241.
- P. alpestris* Host, Fl. Austr. II. pag. 41.
- P. aurea crocea* Gaud. Fl. Helv. III. pag. 393. (excl. syn. plur.)
- P. verna* P *filiformis* Wahlenb. Helv. pag. 99. — Gren. et Godr. PI. de France pag. 528.
- P. filiformis* Vill. Fl. Delph. III. pag. 564. — Schleib. Catal. 1815. — DC. Fl. Franc. VI. pag. 542.
- P. heterophylla* Lapeyr. Hist. abr. des plant, des Pyren. pag. 289. no. 10. — Nestl. Monogr. pag. 59. no. 39. *

e. *debilis*:

- P. alpestris* P *debilis* Koch. Synops. (ed. 2.) pag. 841.
- l) *debilis* Schleib. Catal. 1815. — Gaud. Fl. Helv. III. pag.* 400. no. 1175. — Trait. Ros. Monogr. IV. no. 111.
- P. inextsa* Desf. Catal. plant, hort. Paris. 1804. pag. 177. — Ser. in DC. Prodr. II. 577. no. 40. — Spreng. Syst. Veg. II. pag. 538. no. 54. — Lehm. Monogr.

- pag. 102. no. 42. (excl. syn. Lagasc.) — Nesil. Monogr. pag. 51. no. 35. lab. 4. fig. 1. (plant, culta degenerat.)
- P. depressa* Consp. Potent. Herb. Wilkl. in Magaz. dcr Gesell. naturf. Fr. zu Berl. VII. pag. 289. (ex pane).
- P. declinata* Horn. hort. Hafn. Suppl. pag. 56. — Ser. in DC. Prodr. II. pag. 586. no. 104.
- P. verna* *P. subpeclinala* Ser. in DC. Prodr. II: pag. 575.
- P. verna* c *adscendens* Hegetschw. Reis. 155. fig. 72. (tesle Gaud.)
120. *P. VERNA* L. — Hartm. Scand. Fl. (ed. 5.) pag. 163. no. 10. — Fries, Summa veg. Scand. pag. 45. — Ejusd. Herb. Norm. fasc. IV. no. 66. — Koch, Synops. (ed. 2.) pag. 241. no. 20. — Ledcb. Pl. Ross. II. pag. 45. no. 43. — Ser. in DC. Prodr. II. pag. 575. no. 27. (excl. P et \$.) — Spreng. Syst. Veß. II. pag. 538. no. 56. — iLehm. Monogr. pag. 108. no. 45. — Nostl. Monogr. pag. 51. no. 36. (excl. p oi y.) — Engl. Hot. tab. 37. — Sturm. Deutschl. Fl. Fasc. 17.
- P. verna* p *campestris* Wallrth. Sched. crit. I. pag. 238.
- P. varia* Wendrih. Pl. Hnss. pag. 160. no. 655. (ex partc).
- P. polymorpha* Spenn. Fl. Friburg. III. pag. 753. (ex pane).
- P. minor* Gilib. Sifppl. syst. plant. Europ. pag. 362.

p. crocea:

- P. verna* p *crocea* Koch, Synops. (ed. 2.) pag. 241. — Led el). Fl. Ross. I. c.
- P. verna acstiva* Hall. III in Ser. Mus. Uelv. I. p. 52. no. 8. — Gaud. Fl. Helv. III. pag. 398.
- P. verna t montana* Wllrth. Sched. crit. I. pag. 239. — Ser. in DC. Prodr. II. pag. 575.
- P. aurea* Pall. It. HI. pag. 537. 653. (non L.)
- P. metadata* Gilib. Fl. Lithuan. V. pag. 252.

y. parviflora:

\$. grandiflora:

- P. Vivariensis* Jord. in Adnot. ad Catal. sem. liort. Graiinopol. 1849. collect. pag. 24.)
- P. verna* variet. 2. Hall. fil. in Ser. Mus. Helv. I. pag. 52.

c. incisa:

- P. verna y Lindackeri* Maly, Enumerat. plant, imper. Austr. pag. 341.
- P. Lindackeri* Tausch in Regenb. bot. Zeit. 1819. II. pag. 466. (ex parte).
- Ser. in DC. Prodr. II. pag. 576. no. 32. — Spr. Syst. Veg. II. pag. 538. no. 53. — Conf. Trait. Ros. Monogr. I ^ no. 99.
- P. serotina* Vill. Fl. Delph. HI. pag. 564.
- P. rubens* St. Amand. (non Vill. nee Allion. nee Moench) fide specim.

*) Pedunculis laxe pubescentibus brevibus erectis fleuiosis; calycis hirsuti lacinl⁹ aculis, exterioribus oblon[^]is paulo brevioribus, interioribus lanceolatis latioribus; pctali¹⁴ subrotundo - obovatis brevissime cuneatis leviter emarginatis. calyce duplo longioribus⁸ stylis densis antheris multo brevioribus; carpellis ovatis dense rugosis carina crassa haup prominula cinctis; foliis radicalibus caulinisque inferioribus ternatis quinatisve petiolaU>> superioribus ternatis, foliolis cinereo-viridibus opacis crassiusculis, pilis simplicibus>> [J laxis vel fere axipressis subtus praesertim dense obtectis oblongo - obovatis, bircumcircj If, fca, sf, d, snitibus d, f, > que 4 — 8 ovatis oblongisve obtusiusculis subpatulis. superiori>> subaequalibus; stipuhs lanceolatis integris; caulibus brevibus ascendentibus, supernfi Jj ramos dichot¹ elongatis rad? Xfb d¹ ITf Os demum palu¹ ^ ^ solulis - caudid¹ surculis prostratis vaW¹ i calcaresdu Vivariensium lonfens stenlibus intermixtis. — Habitat in herbosis apicis collio

& *hirsuta*:

P. vernay hirsuta DC. Fl. Fr. yi. pag. 542. — Lehm. Monogr. pag. ICO. — Ser. in DC. Prodr 1. c.

P. verna y Ginel. Fl. Badens. II. pag. 249.

P. opaca Fl. der Wetterau II. pag. 247. (non L.)

¶. *nana*:

P. verna y *nana* Lehm. Monogr. pag. 109. (excl. syn.)

P. verna y *pusilla* Koch, Synops. (ed. 2.) pag. 241. — Maly, Enumerat. plant. jinper. Austr. pag. 341.

P. pusilla Host. Fl. Austr. II. pag. 39.

¹²¹> 1) CINEREA Chaix in Vill. Fl. Delph. III. p. 567. — Hartm. Scand. Fl. (ed. 5.) p. 163. no. 11. — Gren. et Godr. Fl. de France I. p. 527. — Koch, Synops. (ed. 2.) p. 241. no. 21. et in Sturm, Deutschl. Fl. Fasc. 92. tab. 3. — Ledeb. Fl. Ross. II. p. 51. no. ⁴¹. (ex parte). — Nestl. Monogr. p. 54. no. 37.

P. veslita Jörd. in Adnol. ad Catal. sem.* hort. Gratianopol. 1849. collect. pag. 23.').

P. polymorpha a dnerea Spenn. Fl. Friburg. III. pag. 753.

P. stellulata Rochel, Plant. Banalus rariores.

P. subacaulis Lehm. Monogr. pag. 120. no. 51. (ex parte). — Spreng. Sysi. Vefj. II. pag. 538. no. 57. (ex pane).

P. ovala Poir. Enc. bot. V. pag. 601.

P. glaucescens Consp. Potent. Herb. Willd. in Magaz. der Gesell. natuIT. Fr. zu Berl. VII. pag. 293. (ox parte.)

P. incana Moench, Meth. suppl. pag. 279. — Fries, Summa veg. Scand. pag. 45. — Ejusd. Herb. Norm. Fasc. III. no. 46.

J*. *arenaria* Borkh. in Fl. Welter. II. pag. 248.

P. verna Kunlli, Fl. Berol. (ed. 1.) — Herb. Willd. (ex pane.)

P. verna (J *cinerea* Mct. et Koch, Deutschl. Fl. III. pag. 534. — Meyer, Fl. Hannov. excurs. pag. 179. — Wahl. Fl. Succ. no. 581. — All. Fl. Pedem. II. tab. 24. fig. 2.

P. verna 5 *cinerea* Ser. in DC. Prodr. II. pag. 534. -

P. verna [S *campestris* b. Wallrth. Sched. critic. I. pag. 239.

P. verna 6 *pilosissima* Hall. fl. in Ser. Mus. Helv. I. pag. 52.

i*. *opaca* fi *scricea* Lapcyr. Hist. abr. des plant, des Pyren. p. 289.

P. opaca Vill. Fl. Delph. III. pag. 566. (non L.)

P. trifoliata:

P. cinerea p *trifoliata* Koch.ftSynops. (ed. 2.) pag. 242. et in Sturm. Deutschl. Fl. Fasc. 92. tab. 4. — Maly, Enumerat. plant, imper. Austr. pag. 341. no. 23.

*) Pedunculis brevibus villosis erectis subquosis: calycis hirsuti laciniis inaequalibus subaculis, exterioribus oblongis brevibus, interioribus ovifio-lanceolais latioribus: pelalis piargino se invicetn ohtegentibus laie obovalis obiuse emar^inatis, calyce duplo longioribus; siviis erectis subnatulis flexuosis, antheris multo brevioribus; carpellis ovnis leviter fugulosis immarginotis glubris: foliis radicalibus caulisque irifenonlms quinatis petiolaris. supmoribus ternatis. foliolis cinereo-virescentibus subvelutinis. utrifinie sublus praesenim pilis minutis stellatis-aliisque longionibus ad nervos et marginem sarsis laxis n/>triciis, obovaio-cuneatia, superne uinnque 4 — 5-inciso-dentatis, Uemiltus obloiHs obusia porrpetis. superioribus subaequalibus: stipulis lanceolalis integriis; canlibus nuleV ter villosis brevibus ascendentibus in ramos-dichotomos nexuosos demuin nntulos silutis • caudicis surculis densis basi prostratis vix radicantibus sterilibus Qoriferis iniermixtis • Habiat in herbosis siccis, ad oras silvarum Delphinatus. mwuu*Ma.

- P. subacaulis* Linn, (ex parte) fide specim. ab ipso Linn, determinat. in Herb. - nostro asscrv. — Bertol. Fl. Ital. V. pag. 266. — Lehm. Monogr. pag. 120. no. 51. (ex parte). — Wulf. in Jacq. Coll. IF. pag¹. 145. — Jacq. Icon, plant. rar. III. tab. 491.
- P. verna* y Menens et Koch, Deutschl. Fl. IH. pag. 534.
- P. vema* 6 *subacaulis* Wilhl. Spec. plant. IF. pag. 1104.
- P. acaulis* Schangin in Pall. N. nord. Keir. VI. pag. 88. (teste Ledeb.)
- {. *velutina*:
- P. vrlutina* Lehm. Monogr. pag. 170. no. 74. et Suppl. I. pag. 17. tab. H. — Spreng. Syst. Veg. II. pag. 540. no. 76. — Tratt. Ros. Monogr. IV. no. 96. (non Wall!)
- V. subacaulis* DC. Fl. Franc. IV. pag. 463. no. 3749. — Gren. et Godr. Fl. de France I. pag. 525. — Ser. in DC. Prodr. II. pag. 573. no. 15. a et P (excl. syn. Linn.)
- P. grandiflora* Scopol. Fl. Cam. (ed. 2.) I. pag. 363. tab. 22. (?) (non L.)
- Fragaria slerilis sylvestris, sericea* sen *incana* Garid. Hist. des plant, qui naissem aux env. d'Aix tab. 109. "i
122. *P. SAUNDERSIANA* Royle, Illusr. of the Himalay. mount. I. pag. 207. II. tab. 41. fig. 1. — VViprs. Report. II. 27. no. 17.
123. *P. NEVADENSIS* Boiss. Elench. no. 70. — Ejusd. Voyage bot. dans le midi de l'Espag. pag. 203. no. 604. tab. 59. — Kunze, Chlor. Auslro - Hispal. JNo 364.
- p. condenslata* Boiss. Voy. 1. c. — Wlprs. Repert. II. 26. no. 4.
124. *P. LEPTOPKTALA* Lehm. Ind. scm. hort. Ilambg. 1830. collect, p. 8. — Ejusd. Novar. et minus cognil. slirp. Pugill. III. p. 32.— Ejusd. Revis. gen. Potent, cum icon, (inedit.) — Linnaea XIII. pag. 264. — Regensb. Bo[^] Zeit. 1831. I. pag. 133. — Wlprs. Repert. II. 28. no. 25.
- P. hiemalis* Schlecht. in Linnaea V. pag. 512. no. 582. — Wlprs. Repert. II. 913. no. 4.
- P. friijida* Schied. et Depp. mss. (non Vill. nee Grew)
125. *P. PULVINARIS* Fenzl, Nov. plant. Syriac Pugill. I. no. 15. et in Russegg. Reisen I. p. 903. no. 13. — Lehm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Repert. II. 31. no. 48.
126. *P. RANUNCULOIDES* Humb. et Bonpl. — Nestl. Monogr. p. 56. no. 40. tab. 3. fig. i — Humb. Bonpl. Kunlh, Nova genera el spec. plant. VI. pag. 216. — Ser. in DC Prodr. II. pag. 576. no. 33. — Spreng. Syst. Vcg. II. pag. 537. no. 38. — Lehm. Monogr. pag. 114. no. 47.
- P. macrorrhiza* Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. «u Berl. VII. pag. 292. (nee Juss.)
127. *P. RADIATA* Lehm. in Addend, ad Ind. sem. hort. Hamburg. 1819 collect, no. 11. et in hoc Pugillo p. 13. — Ejusd. Revis. gan. Poient. cum icon, (inedit.) — Caulibus erectis simplicibus foliosis plurifloris; foliis inQmis longe petiolatis septenatis. supra glabris, subtus pilosis, f'oliolis in orbem dispositis cuneiformibus. antice profund* incis, inflmis minoribus trifklis, intermedio seplcinfldo, segmentis oblongis patentibus: stipulis lanceolaiis integerrimis; floribus parvis; segmentis calrcis exterioribus oblongis ohiusiusculis, reliquis ovatis aculis; petalis obcordiilis calyce paulo longioribus' (luteis). — Facile distinguilør a *P. ranuncu'oide* H. B. K., ad quam proxime accedit, caul* duplo longiore folioso, forma foliolorum. quae amice profunde incisa sunt, laciniis oblongis paienibus, lloribus minoribus. — Crescit in Persia boreali.
128. *P. AUREA* L. Amoenit. acad. IV. pag. 31(8. no. 154. — Koch, Synops. (ed. 2.) PAM 240. no. 17. - Bertol. Fl. jla. v. pag. 276. no. 26. - Gaud. Fl. Helv. VII. in App. ad

Vol. III. — Lehm. in Regensb. Bot. Zeit. 1830. I. pag. 190. — Spreng. Syst. Veg. II. pag. 538. no. 49. — Lehm. Monogr. pag. 116. no. 48. (excl. *P. maculata* Gilib.) — Nestl. Monogr. pag. 51. no. 42. (excl. Engl. bot. t. 561.) — Sturm, DeutschJ. Fl. Fasc. 17. tab. 12.

P. HaUcn Sir. Mus. Helv. I. pag. 75 et in DC. Prodr. II. pag. 576. no. 34. a, p. — Gaud. Fl. Helv. III. pag. 403.

P. alpestris Lodd. Bot. Cab. XV. lab. 1499. et I. tab. 77. (*P. aurea*.)

P. fraguna Hall. Helv. nab. 21. fig. 4. — Ej. Enuinernt. lab. 6. fig. 4. (eadein.;

Varial lloru semipleno. — Hall. I. c. — Ser. 1. c. — Lehm. 1. c. — Nestl. 1. c.

§. *minor*:

P. Halleri y minor Ser. in DC. Prodr. 1. c. — Gaud. Fl. Helv. 1. c.

¹²⁹ *P. STIPULARIS* L. — Ledeb. Fl. Ross. II. pag. 50. no. 31. — Turczan. in Bullet. de 'a soc. des natur. de Moscou Tom. XVI. pag. 613. no. 407. — Ser. in DC. Prodr. II. pag. 578. no. 44. — Spreng. Syst. Veg. II. pag. 537. no. 39. — Lehm. Monogr. pag. 139. no. 59. — Ejusd. Revis. gen. Potent. cum icon, (inedit.) — Nestl. Monogr. pag. 49. no. 13.

*. *comaroides* Steph. in Herb. Willd. (teste Ledeb.) non Humbdt.

P. Gmel. Fl. Sib. III. pag. 183. no. 38. tab. 39. fig. 2.

JB. Carpells villosis.

^Tibus X. LUPINFQLIAE Lehm. 1. c. p. 60. Receptaculo bir-
^{su}to, pilis carpella villosa multo superanlibus oblecto; corollis aJbis
^v roseis, rarius flavescentibus; petalis obovatis s. spathulatis in-
tegerimis, rarius retusis s. emarginatis/

Filamenlis liirsutis.

¹³⁰ *P. VALDERIA* L. — Berlol. Fl. Ital. V. pag. 262. no. 17. — Ser. in DC. Prodr. II. pag. 585. no. 90. — Spreng. Syst. Veg. II. pag. 539. no. 63. — Lehm. Monogr. p. 124. no. 52. — Ncsll. Monogr. pag/61. no. 48. — All. Fl. Ped. II. pag. 57. no. 1484. tab. 14. ff. 1. (excl. syn. Lamarck.)

^{vi} *P. BRACHYPETALA* Fisch. et Meyer mss. ex Lehm. in Addend. ad Ind. sen. lion. Hamburg. 1849. collect. no. 12. — Ejusd. Revis. gen. Potent. cum. icon. (Inedit.) — Caule suberecto multifloro uli petioli pilis longissimis horizontalibus; foliis quioatis, supra subglabris, subtus linoento brevissimo canescentibus. foliolls obovatis. basi cu-
»eata integerrimis, dein grosse serratis, serraturis patulis; stipulis ovatis acuiis inlc-
ff«nimis latissimis; floribus congestis; segmentis cnlycis subaequalibus lanceolatis
^x ncuinatis longioribus quam petala oblonga retusa (alba). — Habitu accedit ad *P. ni-*
"fllem Lapey *flupinoidem* Willd. ^Differt praesertim statura multo majore, indumenioque
toiius fere planlae multo brevior et tenuior neque sericeo, pilis in caulo lanlum et
petiolis longioribus horizontalibus, foliis omnibus quinatis (in ilia saepo inferioribus
sopentatis, superioribus ternatis), subtua tomenio brevissimo canescemibus, foliolls la-
rioribbB, margino ad mediam partem, interdum fere ad basin usque serratis, serraturis
tallioribus patulis neque conniventibus, filamentis basi hirsutis. *- p. *crassinervia* Viv.
(*Qlavca Moris, Corsica* Sieb.) facile distinguitur pubescentia valde viscosa, in caule et
petiolis multo fcr^viore erecto - patente, venis foliolorum numerosissimis parallelis

MI hi us i lominulis flhinentis tJabris — Hahitit in iluoubus montibus distnctus Alexan-
riapnlc nsn propc pigum Giscar ad nipc*

U2 P PffROPIIII A Boiss \>\ hot dans le midi de IFspagne pi, I& — Kun/c
fill ii6 Auslio Iisp in no ^35 — Caespitosn lhizomate sufTiutosrenli petiolorum
wiiislomm vcstifiiis sqinmoso caule iscedente ipice cor}inhoso-inultifloro **petio-**
li» |u | ill* patulis MIOSO foliii* radicalibus quiintis foliohs subsessilibus oblongis ba^i
mentis iniegmnnus ipite uulc 3—0 dentatis denc snpcnori alios lequnni ulnnque
srd siibtiiij copiosub pilis lonpis idpress^ sencco-argenteis stipulis oblongo-hnceo-
htis inUfrerjimis icuminalis cilyus scricci lacinns hnceolalis acutis alternalim sub
biovioubus petnlis nlbis obovatis cihcc longioubus flhmentis parte infenon dimidia
luisutis siipcnoui j,l ibrcsceniibus cnrpellis undique hirsutis —7* *caulescens* \$ *villosa*
Iloiss 1 c 204 — Ilibitu in Iiispnn muidionali

P. mynilGri P u>r in **Vet** Tolo^ III p*io' -J25 (') (non Mocnchj)

133 P CAULISJC \S 1 — Koch Sjnojs (ed 2) pig 244 no 32 — Bertol Fl Ital
V pig 257 no 13 — Sci in DL Piodi II pig 584 no 88 (exel *P. Clusiana* m-
i ah ct *hipmoide*) — Sprang S\st Vog II pag 539 no 66 — Lelim Monogr p 130
no 5o — Nrstl Moioj,! png 39 no 45 — Stmm Deutschl Fl Fasc 1 tab 44 —
Jacq Fl Aush III lib 220

7* *all a p (aulescen** hm Fl Frinc (ed *i*) III pog 118

p *petwlulata*

a) *major*

P. (aulewens (i *petiolulata* Sei in DC Prodr II pig 584 — Idem in Mm
Helv I **pi**, 64 tab 5 — Bfirtol Fl **Ital** V pag 258

P. pLtwlul i/a G md Fl Helv HI pag 374 no 1157 — Koch Suiops (ed 2)
pit? 241 no 31 — Reichcnb Fl excurs no 3822

b) *grandiflnoi*

P. juli lulata p G-uul 1 c

*** * I llamentis dabns**

134 P CMJSIANWicq Fl Austi II tab 116 — Koch Sinops. (ed 2) p **244** no 33
rl MI Stunii Deutschl Fl Fasc 92 tab 12 — Bot Magaz tab 1327 — Spreng Syst
\ (g II p 33 J no 65 (exel *P. Dnceconi*) — Lehm Monogr pag 128 no 54 — Nestl
Mono^i p ipr 60 no 46

P. imilt sans (c\ piiU) sor in DC Piodr II pag 584

P. cauhscctns p *Clusma* 1 on Lnc hot "\ pag 595

P. caule cent Scopol H Cnn (ed *I*) I pag 361

p *ti iphylla*

P. Cluswna h iphylla Tiatt Ros Monogr IN no 133

13J P SVXTRVGA Ardcm — De INotins Ind sera hort Genuens 1848 et in Annal de»
stienc mi 1849 pag 356 — Lthm Revis gen Potent cum icon (inedit) — Cau-
dicis suffrutcscentis nmis abbrevntis crassis caesploso pulvinatis caudiculis ereclius-
ruhs 3—10-nons flonbus conombo^o - subumbellatis foliolis conaceis margine revo-
lutis ficie ghbcnmis suhtu* mcano-senceis foliormm infeioium caudiculos **' '
quantum quinatis elliptic o - lancool His hnceplatisve, ipice 2—3-conniventi-dentatis i»'' '
tegnsvc, nitoinedusque pciolululiii, caudiculorum ternatis oblongis hoeanbusque »'' '
•

tegris, floralibus unifoliolatis, nee ad stipulas rodactis, approximatis, subinvolutantibus; calycis segmentis triangulo-acuminatis; petalis subrotundis calyce duplo longioribus; receptaculo hirsutissimo: staminibus glabris; carpellis reniformibus affatim villosis. — In fissuris rupium montis Cinna di Mesa supra Mentone.

136. P. *ALCHEMILLOIDES* Lapeyr. Act. Tolos. I. pag. 212. tab. 17. — Ser. in DC. Prodr. II. pag. 584. no. 86. — Spreng. Syst. Veg. II. pag. 539. no. 67. — Lehm. Monogr. pag. 135. no. 57. — Nesll. Monogr. pag. 62. no. 49.

P. Pyrenaica Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. pag. 292.

137. P. *MVALIS* Lapejr. Act. Tolos. I. p. 210 tab. 16. — Ej. Hist. abr. des plant, des Pyren. pag. 290. no. 16 a, (S, y. — Gren. et Godr. Fl. de France I. pag. 525.

P. caulescens y mvalis Sep. in DC. Prodr. II. pag. 584. no. 88.

!'. *lupinoides* Willd. Spec. plant. II. pag. 1107. — Spreng. Syst. Veg. II. p. 539. no. 64. — Lodd. Bot. Cab. tab. 654. — Lehm. Monogr. pag. 126. no. 53. — Nestl. Monogr. pag. 60. no. 47.

P. lupinoides (J *nivalis* Pers. Synops. pi. II. pag. 55.

!'. *Valderia A lupinoides et B nivalis* Poir. Enc. bot. V. pag. 598.

P. slipularis Lapeyr. Act. Tolos. I. pag. 212. (non L.)

P. lanata Lam. Fl. Fr. Suppl. pag. 664. (ezcl. syn.)

P. Valderia Till Fl. Delph. III. pag. 572. (non L.)

P. glaciahs Pourr. Fl. Narbon.

p. *integrifolia*:

P. nivalis jJ *integrifolia* Del Fl. Fr. VI. pag. 543..

P. lupinoides (3 *integrifolia* Nestl. Moriogr. 1. c. — Lebm. Monogr. 1. c.

P. mtegnfolia Lapeyr. Hist. abr. des plant, des Pyren. pag. 291. no. 17.

- 13y. P. *CRASSINERVIA* Viv. App. ad Fl. Cors. prodr. pag. 2. — Gren. et Godr. Fl. de France I. pag. 524. — Bertol. Fl. Ital. V. pag. 259. no. 14.

P. glauca Moris, Stirp. Sard. el. Fasc. I. p. 18: — Ejusd. Fl. Sard. tab. 72. fig. & — A. Spreng. Suppl. Syst. Veg. p. 14. — Reichenb. Icon. bot. Cent. IV. p. 76. no. 186 (non Cambess.)' — Wlprs. Repert. II. 26. no. 3.

P. ulaucescens Consp. Pot. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. pag. 289. (ex pane).

P. Corsica Sieb. Plant, ezsicc.

P. caulescens (5 *nivalis* Duby.

P-*Qlabriuscula*;

P. crassinervia var. *glabriuscula* Salfs - Marsth. in Reg. bot. Zeit. 1834. II. Beibl. pag. 52.

- 13<J. P. *ALBA* L. — Koch. Synops. (ed. 2.) pag. 243. no. 27. — Ser. in DC. Prodr. II. I^{af}ff. 584. no. 85. (excl. (J *splendēte*) — Spreng. Syst. Vog. IF. pag. 539. no. 62. — L^{chm}. Monogr. pag. 132. no. 56. — Nestl. Monogr. pag. 58. no. 44. — Engl. Bot. tab. 1384. — Sturm. Deutschl. Fl. Fasc. 4. — Jacq. Fl. Austr. II, tab. 115.

P. sororia Wondrth. Fl. Hass. pag. f58 in nota.

P. Clusiana Genera. Catal. scepus no. 277.

P. cordata Schrauk, Prim. Fl. Salisb. no. 467.

"'. ntttda Scouol. Fl. Corn. (ed. 2.) I. pag. 362.

Set HI Fohis tematis

Ai. Carp ell is ad co stain internain vel saltern ad umbflicmn. rarius apfce tantuin vel tota superflcie pilosis.

Tnbus XI PRAGARIASIRUM Lehm 1 c. p 62 Receptaculo villoso, flonbus albis v roseis

140 P FRAG\RIASTRUM Lhrh PI exsicc no 146 - Koch fevnops (ed Z) pag 243 no 29 el in Sturm Deutschl Fl Fasc 92 tab 10 — Oertoi FI Ital V pag 269 no 21 ex pirte

P fi a lana Pon Ync bot V pag 599 — Sei in DC Piodi II pig .585 no % (excl P) et in Mus Helv I pig o9 til) 4 — Spieng Syst Veg II p iff 541 no 90 — I chm Monogr pig 160 no 6¹ — NesII Monogr pig 76 no 68 (excl *P pavifloia* Desf et *P nucrantha*)

P /; aganaefoha Gmel PI Badens II pag 452 (ezcl s>n Vaill)

P Gunnen Haitm Fl Scind (ed 1) pag 201 — Spreng Syst Veg II p 542 no 93 — Hoinem Fl oecon I pag 576 (Conf Sommerf Suppl Fl Lappon pat? 24 et Lelim Monogr pig 185 Obs)

P miciantha Schleich Cital 1807 pag 20

V fiaqanoides A ill Fl Delph III pag 561 — Seb el Maur Fl Rom piodi pjg 173 (non L)

P piostiata Moench Mull pig ^59

luigu <slenhs Lipe\r Hist abi des plant des Pxren pag 287 no 1

Coma) urn fiagai i nd's Roth Tent fl Germ II pag 575 — Willd Fnumer phut I pag o58 ilii

/1 igaua praecox Kit m Hcib Lebmman et Trait Ros Monogi III no 163

Hajai IU sicca Gilib Fl I itbuan V pag 248

Iiaqmia stenlii L — FI Din tab 1579 — Engl Bot lib 1785

141 P MICRAISTHV Ramoml m DC Fl Fr IV pig 468 no 3760 — Koch, Syiiops (ed 2) pag 243 no 30 et m Sturm, Deutschl Fl Fasc 92 tab 11 — Ledeb Fl Ross II pifc 60 no 5b — Gaud Fl HeU III pig no 1155 — Ser m DC Prodi II pig 585 no 95 et in Mus Helv I lib 5 (?) — Spreng bjst Veg fl pig 541 no 85 — Aest in Regensb bot Zeit 1830 Vol II pag 735 — Lehm Monopi pig 158 158 no 68

P Iiajina (3 *micranlha* ftestl Monogr pag 77

P bienscapa Vest in Regensb bot /eit 1821 pag 157 — Sjren^ S\st Veg H pi^ 5U no 92

I pavifloia* Dc^f fatil plant hoit Pins 1804 pig 177 — Annal des fccieic nat (^ei 3) MI pig 297 — Clairv MinueJ pig 164 (non Willrth)

Fraga stenlis ^ *pamjl* »o LipeM Hist abi des phnt des P>ren pag 287

i!2 P IIBAMTICY Boiss Dn/?nos phnt no III pag 4 — I elim Re\is sen Potent cum icon (inedit) — Wlpis Reppit ^ 6D4 HO U

143 P GRAMMOPETALA Moietti II bolinico It iliano (ins in Giornale di Fisica di Pa^{ria} 1826) no I p 4 tab 2 — Beilol Fl Ilal V p 256 no 12

P rontoln Colh Herb Pedemont II p 326 no 55

144 P OVALIS Lebm m Addend ad Ind sem horl Hamb 1&19 collect no 13 el »- hoc Pugillo p 14 — Ejusd Revw gen Potent cum icou (inedjt) — Caule *subere* ^

sericeo foliis brevioribus subbifloro, sup. ern. folio solitario instructo; foliis longe petiolatis ternatis, foliolis ovalibus, subtus sericeis Jineatis albicantibus, superne conniventiserratis, serralura ultima minima; segmentis calycis interioribus subcuneiformibus trifidis; petalis calycem superantibus obovatis integerrimis (albis). — Accedil ad P. **plendentem* Ram. Diflert praesertim statura multo robustiore *Fragariae Virginicae* minori consimili, radice Gbrosa, caule foliis brevioribus. pilis in caule et petiolis adpressis (in illa palentissimis), foliis subius albicantibus, segmentis calycis interioribus semper trifidis, petalis obovatis rotundato-obtusis omnino imegerrimis (in illa profunde emarginatis fere obcordatis). — Habitat in tern's Mexican is.

- U5. P. SPECIOSA Willd. Spec. Plant. II. p. 1110. — Maly, Enumerat. plant, imper. Austr. P. 342. no. 36. — Siblh. Fl. Grace. V. p. 68. tab. 484. — Ser. in DC. Prodr. II. p. 586. no. 98. — Spreng. Syst. Veg. II. p. 541. no. 88. — Lchm. Monopr. p. 168. no. 73. — Sestl. Monogr. p. 74. no. 66. tab. 11.

P. macrorhiza Herb. Jims, (non Willd.)

P. minor:

P. poetarum Boiss. Diagnos. plant, nov. HI. pag. 3. — Wlprs. Repert. V. 654. no. 13.

- ¹⁻⁴6. P. APPENINNA Tenore, Prodr. n. Neapol. pag. 30. — Ejusd. Fl. Neapol. I. pag. 291. (errore 191). no. 317. tab. 46. (excl. syn. Bocc.) — Bertol. Fl. Ital. V. pag. 263. no. J7. — Gusson. Plant, rar. in itin. collect, pag. 209. — Moreiu, De quibusd. plant. Ital. Dec. 4. pag. 5. — Ser. in DC. Prodr. II. pag. 585. no. 92. — Spreng. Syst. Veg. II. p. 42. sub. no. 94.

P. Iiocconi Nestl. Monogr. pag. 73. no. 63. lab. 10. fig. 2. — Ser. in DC. Prodr. II. p. 585. no. 94. — Spreng. Syst. Veg. II. p. 593. sub. no. 65. — Lehm. Monogr. p. 189. no. 86.

Heptaphyllum infoliatum argenteum illicum Bocc. Mus. di piante lab. 8.

Obs. Flonbus tetrameris observavit cl. Gussoni, el. plant, rar. in itin. collect. I. c.

- ¹⁴7. P. NITIDA Kocli, Sjynops. (ed. 2.) pag. 244. no. 34. — Bertol. Fl. Hal. V. pag. 264. no. 18. (excl. syn. Scopol.) — Ser. in DC. Prodr. II. pag. 585. no. 91. a, P, y, et in Mus. Helv. I. pag. 62. tab. 5. fig. 1. a—d. — Spreng. Syst. Veg. II. pag. 542. no. 94. (excl. syn. Tenor.) — Lehm. Monogr. pag. 187. no. 85. — Sestl. Monogr. pag. 63. no. 51. — Sturm, Deutschl. Fl. Fasc. 22. fig. transcripta ex Jacquiu, Fl. Austr. V. app. tab. 25.

P. Terglovcnsis Hacq. Plant. alp. Cam. pag. 15. tab. 4. fig. 2.

P. subacaulis Scopol. Fl. Cam. (ed. 2.) I. pag. 364. (non L.)

Reptaphyllum alpinum trifoliatum Sabaudum Bocc. Mus. di piante tab. 9.

- ¹⁴8. P. SPLENDENS Ramond in DC. Fl. Fr. IV. pag. 467. (non Wall.) — Greti. et Godr. fl. de Fiance I. pag. 523. (excl. syn. Willrth.) — Koch, Synops. (ed. 2.) pag. 243. no. * (ex pane.) — Spreng. Syst. Veg. II. pag. 541. no. 81. — Lehm. Monogr. pag. 175. no. 77. — Vaill. Bot. Paris, tab. 10. fig. 1.

P. Vaillantii Nesll. Monogr. pag. 75. no. 67.

P. alba *P. splendens* Poir. Enc. bot. V. pag. 596. — Ser. in DC. Prodr. II. pag. 584. no. 58.

P. nitida Thuill. Fl. Paris, (ed. 2.) pag. 257. (non L.)

P. montana Brot. Fl. Lusit. II. pag. 350. — Schrad. Journ. II. png. 101.

P. subacaulis Gmel. Fl. Bad. II. png. 450 in nota. (non L.)

P. emarginata Desf. Cat. plant, hort. Paris. 1804. pag. 177. (non Pursh.)

P. Fragaria *p. emarginata* Ser. in DC. Prodr. II. pag. 586. (excl. syn. Pursb. et Lehm.)

P. semidentata Herb. Juss.

Fraga Vaillantii Lape jr. Hist. abr. des plant, des Pyren. pag. 289. no. 2. (excl. syn. Vill.)

U. Carpellis **glabris**.

Tribus XD. MACROPHYLLAE Lehm. I. c. p. 64. Caulibus valde elongatis, foliolis latissimis ellipticis s. subrotundis ad basin usque serratis, receptaculo pilis vix longitudine capellorum adperso.

Corollis luteis.

149. P. ELATIOR Schlicht. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. p. 295. — Ledeb. Fl. Ross. II. pag. 59. no. 53. — Ser. in DC. Prodr. II. p. 573. no. 13. — Spreng. Syst. Veg. II. p. 540. no. 72. — Lehm. Monogr. p. 157. no. 67. tab. 14.

150. P. ARGYROPHYLLA Wall. Cat. plant. Ind. Orient, no. 1020. — Lehm. Novar. et minus cognit. stirp. Pugill. III. pag. 36. et Monogr. Suppl. I. pag. 19. tab. 9. — Wlprs. Report. II. 27. no. 11.

P. Jacquemonliana Cambess. in Jacq. Voy. dans l'Inde IV. pag. 51. lab. 63. — Wlprs. Report. 1. c. no. 12. — *P. veslita* Kltzsch. Pl. novar. Indie. Waldena. inedit. tab. 14.

p. *insignis*:

P. insignis Royle, Illusir. of the Himalay. mount. I. pag. 203. (iiomen.) — Lindl. in Bot. Reg. XXVII. tab. 37. — Wlpr*s. Reperl. II. 28. no. 23.

* * Corollis alrosanguineis.

151. P. ATROSANGUINEA Lodd. Bot. Cab. tab. 786. — Don, Prodr. fl. Nepal, pag. 232. no. 8. — Hook, in Bot. Magaz. lab. 2689. et tab. 3470. in nota. — Sweet, Brit. Fl. Gard. (Ser. 1.) II. tab. 124. — Ser. in DC. Prodr. II. pag. 579. no. 46. — Spreng. Syst. Veg. IV. cur. post. pag. 199. no. 94.

P. Wallichiana Gouan sec. Wall. Calal. plant. Ind. Orient, no. 1013 (non Del. nee Ser.)

152. P. CATHACLINES Lehm. Novar. et minus cognit. stirp. Pugill. III. p. 37. — Ejusd* Monogr. Potent. Suppl. I. pag. 21. lab. 10. — Wlprs. Repert. II. 31. no. 51.

P. Cautleyana Royle, Illustr. of the Himalay. mount. I. p. 207. II. tab. 40. fig. * — Wlprs. I. c. 27. no. 16.

Tribus XIII. FRIGIDAE Lehm. I. c. p. 64. "Caulibus **humilibus** flaccidis uni- v. paucifloris; corollis luteis; receptaculo pilis viz longitudine carpellorum instructo. — Plurimae in alpium "region* frigida et in terris borealibus crescunt.

Subtribus I. FRAGIFORMES: Caulibus paucifloris; foliis utrinque viridibus pilosis s. molliter villosis, nee subtus niveo-tomentosis.

153. P. FRAGIFORMIS Consp. Potent. Herb. Wild. in Magaz. der Gesell. naturf. Fr. , Berlin VII. pag. 294. — Ledeb. Fl. Ross. II. pag. 59. no. 54. — Lehm. in Hook. Boreal - Americ. I. pag. 194. no. 29. — Ejusd. Monogr. pag. 163. no. 70. tab. «* Ser. in DC. Prodr. II. pag. 586. no. 106. — Spreng. Syst. Veg. II. pag. 540. no. ?*
i. *yrandiflora* (J. *fragiformis* Ser. in DC. Prodr. pag. 572. no. 8.
Potentilla Gmel. Fl. Sib. III. tab. 35. fig. 1.

¹W. P. GRANDIFLORA L. (excl. syn. Vaill.) - Koch, Synops. (ed. 2.) pag. 242. no. 23. et in Sturm, Deulschl. Fl. Fasc. 92 tab. 5. — Bertol. Fl. Ital. V. pag. 273. no. 24. — Gaud. Fl. Helv. III. pag. 381. no. 1163. a cl P (excl. syn. Gmel.) — Ser. in DC. Prodr. II. pag. 572. no. H. (excl. j\$ et ?.) — Spreng. Syst. Veg. II. pag. 540. no. 73. — Curt. Bot. Mag. tab. 75. — Lehm. Monogr. pag. 164. no. 71. — Nestl. Monogr. pag. 69. no. 59. (excl. syn. Gmel.) — *Fragaria* Hall. Hist. siirp. *Helv.* no. 1114. tab. 21, Enumerat. tab. 6.

¹⁵5. P. GELIDA C. A. Meyer, Ind. plant, in Caucas. et ad mare Casp. collect, p. 167. — Wlprs. Repert. II. 26. no. 5. — Ledeb. Fl. Ross. H. pag. 59. no. 51. — Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 608. no. 401.

P. grandiflora Bunge in Led. Fl. Alt. II. pag. 259. no. 32. (excl. syn. Gmel.) — Bieb. Fl. Taur. Caucas. I. pag. 409.

a) *ylabrior*:

P. gelida a *glabrior* C. A. Meyer 1. c.

P. gelida a *major* Turczan. 1. c.

b) *pilosior*:

P. gelida \$ *pilosior* C. A. Meyer 1. c.

P. gelida (3 *minor* Turczan. 1. c.

¹⁶6 P. PTEROPODA Royle, Illustr. of the Himalay. mount. I. p. 207. II. tab. 40. fig. 2. — Wlprs. I. c. II. 28. no. 19.

¹⁵2. P. FLABEIXIFOLIA Hook. mss. in Torr. et Gray, Fl. of North Americ. I. pag. 442. no. 22. — Lehm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Repert. II. 34. no. 76.

¹⁵8. P. ASPERRIMA Xurcz. Catal. plant, in regionib. Baical. et Dahur. cresc. no. 411 et in Bullet, de la soc. des natur. de Moscou XVI. pag. 609. no. 402. — Wlprs. Repert. II. 65*. no. 3. — Ledeb. Fl. Ross. II. pag. 59. no. 52. — Lehm. Revis. gen. Potent. cum icon, (inedit.)

¹⁵⁹9. P. BOUBJOUNEANA Cambess. in Jacqueml. Voy. dans l'Inde IV. pag. 50. tab. 61. — Wlprs. Repert. II. 27. no. 13.

Obs. Ovaria a cl. Cambessedes I. c. *pilosiuscula* dicuntur, *m* nostris speciminibus a virr. ell. de Jussieu et Munro acceptis omnino sunt *glabra*.

*S*ubtribus *H. Nanae*: *Caulibus brevissimis 1—2-floris; foliis utrinque viridibus pilosis u. molliter villosis, nee subtus niveo-tomentosis.*

¹⁶⁰0. P. ^PRIGIDA Vill. Fl. Delph. III. pag. 563. — Koch, Synops. (ed. 2.) p. 243. no. 26. — Sturm, Deulschl. Fl. Fasc. 92. tab. T. — Bertol. Fl. Ital. V. pag. 281. no. 28. — Gaud. Fl. Helv. III. pag. 378. no. 1161. — Ser. in DC. Prodr. II. pag. 572. no. 7. — Spreng. Syst. Veg. II. pag. 541. no. 86. — Lehm. Monogr. pag. 177. no. 78. — Nestl. Monogr. pag. 70. no. 60. tab. 10. fig. 3. (?) (non Grev. nee Schiedo et Deppe).

P. frigida a DC. Fl. Fr. IV. no. 3748. (excl. (*))

P. glacialis Hall. fl. in Ser. Mus. Helv. I. pag. 51. — Ser. in DC. Prodr. I. cit. no. 6.

P. minima Loefl. Dot. Cab. tab. 480. (?)

P. Norwegi & All. Fl. Ped. no. 1488. (non L.) — Suler, Fl. Helv. I. pag. 310.

P. subacaulis y Lapeyr. Hist. obr. dea plant, des Pyren. pag. 290. (non L.)

P. Helvetica Schleich. Catal. 1797. pag. 20.

P. suffruticosa Pourr. In Act. Tolos. (?)

¹w. P. MINIMA Hall. fl. in Schleich. plant, exsic. Cent. I. no. 59. (1794.) — Koch, Synops. (ed. 2.) pag. 242. no. 25. — Bertol. Fl. Ital. V. pag. 282. no. 29. — Gaud. Fl. Helv. III. pag. 380. no. 1162. — Torr. et Gray, Fl. of North Americ. I. pag. 441. no. 11.

17 a et P — Ser in DC Prodr IT pig 572 no 5 a et {*, ct in Mus Helv I p 67 tab 8 (non Turczan)

P Bobbinsiana Chkes mss fide <pecim a vm ell Dr F Doott et £. Tuclcermin mecum comunicil

P Biaunmna Hoppe Dot Tascbenb 1800 pig 137 et in Sluim Deutschl Fl Fasc 17 nb 9 — Sjrpng Sjst \ (g II p MI no 87 — Lebmn Monogr p 174 no 79 — Ncsil Monogr p 70 no 61 tab 10 fig 4

P fnjida p *finuniani* DC Fl Fr IV no 3748 (exlus a)

P tuna a a//<u/m VMlrth Sched cnlic I pag 228

' *Tliomau* Ihll (II in Thorn Caul pnorib (non C A Meyei)

p *nutea*

P temata C KOLII in Linnaea XIX p 45 — Wlpis Report V 651 no. 1.

16^ P CHRYSOCRASPFA Lohm in Addend ad Ind sem hort Him,b 1849 collect no 14 <L in hoc Pu^illo pag 13 — Fju<od Rev gen Potent cum icon (inedit) — Nana caule rlfidino subfluoio longitudine foliorum foliis ternalis, foil oh s obotato-subcunriformihus lotunhio oblusis subghbus id venas in margineque dense aureo-sens ds sii| einc sei ntis sciniuns 5—7, uliim minore siipulis lanceolans segmenus oil cis exleionl us oblongi* ob>usiii:>culi^ icliquis o\atis icutis corolla imgna, pc nil hn^Mmis obcordalis cilvcc fere duplo lon,ionbus (lulcis) — Pioxime accedit id *P uummim* Hill fil (*P lematam* C Koch) differt pmo aspectu foholis margme dense mieo srnccii. fcic ut in *P auiea* L serraliuis 5—7, quarum ultima proximis minor floi iluis duplo li i| lo\ e imjonbus mngniludine florum *P nanae* A *P nana* Hub Willd cm hibiuu s nulls est dilTert caule dchmlo folr«lo interme"dio petiolulhto serniuris foliorum | lunbua bievronbusqut obtusiusculrs (in ilia lotundaio-obtus<sis) marine dense nuieo seicci«» sii| ulis valde adnatis multo inguslionbus lanceolais suporionbus longc icutis — *P emaujmata* Pui^h a noslra esl diveisa mdum^nto foimi folioium quic omnia sunt sessiln senatuns longioubus, quarum ultimi scmpci poittLla peihs hicvionbus multoque inguslionbus — Ciescit in Danalu

163 P N\N4 fonsp Potent Herb Willd in Magaz dcr Gcsell naturf Fi zu Berl VII p 296 — Lcltb Fl Ross II png 56 no 47 — Ton el Grav Fl of North Amenc I png 4il no 18 — Hook et Arntl in Beechey s Voy pig 123 — Lebmn in Hook Fl Bornl \mrnc 1 jng 194 no 27 — Spreng Sjst Veg II pig 541 no 83 — Ser in DC Piodr H jag 573 no 11 — Lehm Monogr pag 181 no 80 tab 17 (non Humb ct Bonpl)

164 P FM\RGINVT1 Pursh M Amenc septenlr 1 pig 353 — Ton U Gray, Fl of North \meuc I jng 446 no 36 — Horn in Fl Dan lib 2291 (exel syn Grpv)—' E M\PI PI Libradoi pig 74 — Lehm in Hook Fl Boreal -Amenc I p 194 no 28 — Sommericlt Bidi lg til Spitzbcrgens Flora in Magaz for Nalurvidenskaberne XI pij 244 — Spieng S\sl Veg II pag 540 no 77 — Lehm Monogr pag 174 no 7b

Obs Omnes has specie* (*P imm gwatam, lahhanam et nneam*) eodem loco crescenies sed *nunquam invicem dcgenei antes* mvemt cl Vdhl — Hornem 1^c

163 P ELFGANS Schlcht et Chimiss in Lmniej II pig 22 — Ledeb Fl Ross II P 56 no 46 — Spreng S\st Veg IV Addend pag 344 no HI — Lehm Rev g^{e0}, Potent cum icon (inedit) — Wlpis Reperit II 27 no 12

P minima Turcznn Plant exsicc (non Hall ill)

*Tormen*h/(a *pusilla* Herb Willd.no 9923 (tesle Ledeb)

Subtribus HI. Niveae: Foliis subtus niveo-lomentosis, in nonnullis utrinque incanis.

166. *P. CAESPITOSA* Lehm. in Addend, ad Ind. SQM. hort. Hamb. 1849 collect, no. 15. et in hoc Pugillo pag. 17. — Ejusd. Revis. gen. Potent, cum icon, (inedit.) — Rhizomate incrassato repente lignoso multicipite: cauibus unilloris foliis paulo longioribus; foliis radicalibus caespitosis lernalis, foliolis obovato-subcuneiformibus, superne profunde semitis, utrinque villosis, sublus tomentosis; stipulis lanceolatis neutis inlegernimis; segmenlis calycis oblongis exlorioribus obtusiusculis; pclalis obovatis subretusis calyce longioribus venosis (aureis). — Differl ab omnibus *P. niveae* L. formis rhizomate incrassato repente lignoso mullicipite, caulibus brevissimis unifloris, foliis radicalibus caespitosis et petalis obovatis subreiusis venosis. — Habitat in summis alpihus Indiae orientalis.

167. *P. VILLOSA* Pall, in Herb. Lambt. ex Pursli, Fl. Amer. septentr. I. pag. 353. — Ledeb. Fl. Ross. II. pag. 58. no. 50. (excl. Y-) — Torr. et Gray, Fl. of Norlli Amer. I. pag. 442. no. 30. — Dong, de Xcg. ins. Sitcha pag. 132. — Lehm. in Hook. Fl. Boreal.-Americ. I. pag. 194. no. 30. — Wlprs. Reperl'II. 34. no. 74. — Schlecht, et Cbmiss. in Linnaea II. pag. 22. — Hook, et Amu. in Reechey's Voy. pag. 123. — Ser. in DC. Prodr. II. pag. 573. no. 9. — Spreng. Syst. Veg. II. p. 540. no. 75. — Lehm. Monogr. Pfl. 166. no. 72. tab. 16.

P. leucochroa Lindl. in Wall. Calal. plant. Ind. Orient, no. 1019. — (Conf. Lehm. Pugill. HL. pag. 38. Obs. 2.)

P. lucida Conspect: Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VII. pag. 296..

(3. *atirea*: villositate totius plantae aurea.

Y- *gracilior*:

P. villosa P *gracilior* Hook, et Aril, in Beechey's Voy. pag. 113.

W. *P. VAHLIANA* Lehm. Monogr. pag. 172. no. 75. (1820) et in Hook. Fl. Boreal.-Americ. pag. 194. no. 31. — Hornem. Nomencl. Fl. Dan. emendaia pag. 197. — Spreng. Syst. Veg. II. pag. 541. no. 84.

P. nivea Y Torr. et Gray, Fl. of North Aineric. I. pag. 441. no. 19.

P. Jamesoniana Grev. in Mem. soc. VVern. HL. pag. 417. tab. 20. (1821) — Ser. in DC. Prodr. II. prig. 5U6. no. 100. — Spreng. Syst. Veg. II. pag. 512. DO. 95.

P. hirsuta Vahl, mss. Ser. in DC. Prodr. II. pag. 573. no. 14. — Fl. Dan. tab. 1390. (non Michx.)

*9. *P. NIVEA* L. — Wlprs. Répert. II. 26. no. 1. & 33. no. 73.

a. *vulgar is* Ledeb. Fl. Ross. II. pag. 57. no. 48. — Lehm. iil Addend, ad Ind. sera. hort. Hamburg. 1850 collect, pag. 10. no. 9.

P. nivea Hartm. Scand. Fl. (ed. 5.) pag. 162. no. 5. — Koch, Synops. (ed. 2.) pag. 242. no. 21. et in Sturm. Deutschl. Fl. Fasc. 92. tab. 6. — Oerlol. Fl. Ital. V. pag. 268. ho. 20. — Torr. et Gray, Fl. of North Am eric. I. pag. 441. no. 19. (excl. var. P> quae ad vurielatam *arcticam*, et variet. Y? quae partial ad varietatem *macrantham*, parlim ad *P. Vahlianam* peninet.) — Ser. in DC. Prodr. II. pag. 571. no. 1. (excl. varr.) — Spreng. Syst. Veg. II. png. 540 no. 79.— Lehm. Monogr. pag. 184. no. 83.— Nestl. Monogr. pag. 73. no. 64[^]

P. nivea a et (J Schlecht. et Cbmiss. in Linnaea II. pag. 21.

P. fragariaefoUa Less, in Herb, reg. Berol. (teste Ledeb.)

a) *mulliflora*:*P. nivea* a *vulyaris*, a *multiflora* Lehm. 1. c.*P. nivea* a *major* Turczan. in Bullet. de la soc. des natur. de Moscou XVI. pag. 607.b) *alpina*:*P. nivea* a *vulijaris*, h *alpina* Lehm. 1. c.*P. nivea* P *alpina* Turczan. I. c.p. *arenosa*:*P. nivea* P *arenosa* Lehm. 1. c.*P. nivea* y *arenosa* Turczan. in Mullet. I. r.y. *macrantha*:a) *fjenuina*:*P. nivea* y *macrantha*, a (*jemiina* Lehm. 1. c.*P. nivea* p *macrantha* Ledeb. Fl. Ross. II. pag. 57. no. 48./'. *nivea* y *Camtschatica* Schlecht. et Chamiss. in Linnaea II. pag. 21./'. *macrantha* Ledeb. in Mém. de l'Acad. de St. Petersbg. V. pag. 511. no. 30. — Ejud. Icon. pi. 11. Ross. illustr. tab. 133. — Ser. in DC. Prodr. II. pag. 572. no. 3. — Spron.,^p. Sysi. Vcjt. If. pag. 540. no. 78. — Lehm. Monogr. pag. 182. no. 81.b) *uniflora*:*P. nivea* y *macrantha*, b *uniflora* Ledeb. 1. c.*P. villosa* y *uniflora* Ledeb. FJ. Ross. II. pag. 58. no. 50.*P. uniflora* Ledeb. Mém. de l'Acad. de St. Petersbg. V. pag. 543. no. 31. — Ser. in DC. Prodr. II. pag. 527. no. 4. — Spreng. Sysi. Vpp. II. pag. 511. no. 81. — Lehm. Monogr. pag. 183. no. 82. tab. 18.8. *arctica*:*P. nivea* 5 *arctica* Schlecht. et Chamiss. in Linnaea II. 1. c. — Lehm. 1. c.*P. nivea* (S. Wahl. Fl. Lapp. pag. 147. (excl. syn. Pallas.) — Torr. et Gray, Kl. of North Americ. I. pag. 441. no. 19. — R. Brown in Suppl. to the Append. of Parrey's Voy. pag. 277. no. 34.*P. Groenlandica* R. Br. in Ross. Voy. (ed. 2.) II. pag. 193.*P. vern'a* Hook. in Scoresby's Greenl. pag. 421. no. 21. (teste Brown.)*P. frigida* Grev. in Mem. soc. VVen. If. pag. 430. (non Villars.)z. *subviridis*:*P. nivea* £ *subviridis* Lehm. J. c./'. *nivea* y *subviridis* Ledeb. Fl. Ross. II. pag. 57.*P. nivea* P *pallidior* Swartz, Summa veg. Scand. pag. 19. — Hartm. Scand. Fl. (ed. V.) pag. 162. — Lehm. Monogr. pag. 181. (excl. /'. *betonicaefolia* et *teucophylla*.) — Fl. Dan. tab. 1035./'. *crocea affinis* Bunge. Enumerat. Alt. pag. 32. (teste Ledeb.)IK *nivea* var. *laevigata* Herb. mus. Acad. Petropol. (fide specim.)^ *macrophylla*:*P. nivea* £ *macrophylla* Lehm. 1. c.*P. nivea* p *macrophylla* Hook. in Bol. Maga. lab. 2Ub2. — Ser. in DO. Prodr. II. pag. 571. no. 1. (excl. synon.)

- P. nivea* a R. Brown in Suppl. to the App. of Parrey's Toy. no. 34.
P. nivea Lodd. Bot. Cab. tab. 460. — Rottbdl in Skrifter som udi det Kidbenhavnske Selskab af Laerdoms og Vidensk. Elskere aere fremlagte i Aarene 1765-69. X. pag. 450. no. XXII. tab. VII.

Y). *incisa*:

- P. nivea* t] *incisa* Lehm. 1. c.
V. nwea 8 *incisa* Turczan. in Bull. de la soc. des natur. de Moscou 1. c. p. 607.

2. *pinnatifida*:

- P. nivea* 8 *pinnatifida* Lehm. 1. c.
P. Altaica Bunge in Ledeb. Fl. Alt. II. pag. 252. no. 21. — Ledeb. Fl. Ross. II. pag. 58. no. 49. — Ejusd. Icon, plant. Fl. Ross, illustr. tab. 329. — Wlprs. Report. II. 26. no. 6.

3. *pentaphylla*:

- P. nivea* I *pentaphylla* Lehm. 1. %.
P. nivea peniaphylla Lehm. in Hook. Fl. Boreal.-Americ. pag. 195. — *P. nivea* & *pentaphylla* Turczan. in Bullet. 1. c.

x. *prostrata*:

- P. nivea* x *prostrata* Lehm. I. c.
P. nivea y *prostrata* Lehm. Monogr. pag. 164. — Ser. in DC. Pro dr. II. p. 572.
P. prostrata Rottbdl in Skrifter som udi det Kidbenhavnske Selskab af Laerdoms og Vidensk. Elskere ere fremlagte i Aarene 1765—69. Vol. X. pag. 453 (non Moench.)

Obs. Secundum descripiionem Rotibdllianam differre videtur ab omnibus *P. niveae* for mis: caule prostrato *compresso latescente*, petiolis plants, foliolis *sinualo-dentalis* (?). margine rcfleiiis, venis nudis purpurcis. — Floribus in summitate caulis glomeratis nd varietatem accedit f&, a.

X. *floribunda*:

- P. nivea* X *floribunda* Lehm. 1. c.
 In Nepaliae alpiibus, ubi etiam *P. niveae* a *vulgaris* reperitur, cum fructibus collegit cl. Munro, cujus benevolentiae specimina debeo. An species distincta?

170. p. *BETONICAEFOLIA* Poir. Enc. bot. #V. pag. 601. — Lehm. in Addend, ad Ind. sera, hort. Hamburg. 1850 collect, pag. 11. — Pers. Synops. II. pag. 56. — Nestl. Monogr. pag. 74. no. 65.

- P. nivea* 8 *angustifolia* Ledeb. Fl. Ross. II. pag. 58.
P. angustifolia Herb. Willd. Consp. Potent, in Magaz. der Gesell. naturf. Fr. zu Berlin VII. pag. 296. — Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 607. no. 400. — Ser. in DC. Prodr. II. pag. 572. no. 2 — Lehm. Monogr. pag. 186. no. 86. tab. 19. (non DC.)
P. leucophylla Pall. It. II. pag. 194. — Spreng. Syst. Veg. II. pag. 540. no. 80. — Trait. Ros. Monogr. IV. no. 143. — Bieb. Fl. Taur. Caucas. III. pag. 359. (non Torrey.)
P. dryophylla Bill, in Herb. Jacq.
*Fragaria slerilvt, procumbens, fulii** *Uelomcae tinstar svrratis* Airmn. Ruth pair 83. no. 109. tab. 14.

¹⁷¹1. *P. HOOKEIUANA* Lehm. in Addend, ad Ind. sera. hort. Hamburg. 1849 collect. no. 16. et in hoc Pugillo pag. 18. — Ejusd. Revis. gen. Potent, cum icon, (inedit) — Caulibus erectis foliosis plurifloris; foliis ternatis, foliolis obovatis basi integerrima

cuneatis dein subpinu *Uildi** villosis, subtus niveo-tomentosis stipulis lanceolatis submiegemmis jriflorescentia foliosa sogmentis calycis lequali fere longitudine, eitenonbus lineanbus obtuos reliquis o\atis acutis petuhs obcoidatis calyce paulo longionbus (luteis) — Habitu proximo accedit ad nonnullas *P mveae* I \ an elites, facile disiinguitur ciulibus mullo fiiiooil us plunflons et j neserlim inllorc>Cēntia folios \ — Habitat in \menca scplemliionali

172 P SUBACALLIS L ex pule (fide spccimm ib ipso I innaco doteira i L! \gardh pali accept) — Lchm Revis gen Potent cum icon (ineiln) — Tuiczdn m Bullet de la soc des iialur de Moscou \VI pig 610 no 404 (exel sjn nonnul) — Bunge in Ledeb Fl Alt II pag 261 not do — Bich l Tim Caucas II pig 409 (ex pane) — Lelim Monogr pag 1^0 no 51 (ex pirle) — Wiild Spec pi mt II pag 1112 (exel synon pluub)

P folns tematis, dentalif, ulnnqut lomcentosis caule folus bicuoic Gmcl Fl Sib HI pag 183 no 34

II. %xilliflorae Ijehm. 1. c. p. 90. Pedunculis axillaribus, interdum, sed rarius oppositifoliis, solitariis unifloris* in plurimis valde elongatig; corollis luteis; carpellis glabris.

Ser I Folns radicaibits ternatis vel si?nphcibns.

173 P ABNORMIS Lebm in Addend ad Ind sem liort Hamburg 1849 tolled no 17 et in hoc Pugillo pig 19 — Ejusd Revis j, en Potent cum icon (inedit) — Folus fere omnibus ndicnlibu^ simplicibus bmalis I inatisque, foliolis longe pelio lulatis oliovdtjs sei ratis subglabns pedicellis axillaiibus solitanis folio longionbus dense pilosis segmentis caljcis hncoelatis aequili fere longitudine, extenonbus profunde bipai titis tnpartitise petilis longuudine calycis (auieis.) — Specie^ distinctisim cum nulla alia commutari potest — Habitat in Orientt

174 P MCMAYTH'S Lin 11 in Will (alal phut Ind Orient no 1025 — Lehm fcovai it minus cogmtai btrp Pu, ill III pijf 33 — Ljurd Revis gen Potent cum icone (medit) — \ Ipi s Repert II ^7 no 8. — V *tryptnnlha* Kltzsch. PI nov a pnccipe Wuldcm collect inedit tab 12

1<5 P TRIFIDA Lebm in £ Otto Gaiten- und Bluinenztg MI ^63 f— Pilosissima ciulibus ascendntibus petiolisque patents* pilosis folus peiolatis, omnibus ternatis foliolis sessilibus oblongis stratis stipulis inferionbus lanceolatis Integeinmis, supeuoribus subdcnlilis segmentis cilycis txlenoribus tuneiformibus subfolnceis infldis, reliquis ovaiis icuiis integemmis penlis obovatis letusis calyce longionbus luteis — *P f) agm mcfiUa* KUztch Phnt nov i pi mope \ lldem collect inedit tab 10 (nee Hoppe Gmehn, I essmg) — Ilibitit in India oncentili (loco non indicato)

176 P TORMEMUL* Siblh

a) folus cauhnis sessilibus

P Tornuntilla Siblh — Iluuin b\ Stand (ed V) pig Ib4 no 14 — Ledeb Fl Ross II pig 51 no 33 — Koch Sjnops (ed. 2) pig 240 no 16 — Spreng Sjsi \eg U pa,j αM no 69 — Str in DC Prodr II pag 574 no 18 a et Y (exel 3 el e) — Lehm Monogr pag 141 no 64 — Nestt Monogr pag 60 no 55

P letrapclala Hall fil m Ser Mus HeW I pag 51

P sylvestns Neck Del Gollo-Bolg I pag 222 - Buchmgei Flora det Lidl Veneti pag 126

- P. TormentUla erecta* Scopol. Fl. Cam. (ed. 2) I. pag. 360.
Tormentilla erecta L. — Koch, Synops. (ed. I.) pag. 220. no. 1. — Hayne, Arzneigew. II. tab. 48. — Sturm. Deutschl. Fl. Fasc. 34. — Fl. Dan. tab. 589.
T. parviflora Wallrh. in Linnaea XIV. pag. 580. no. 136. «.
T. officinalis Curl. — Smith, Fl. Brit. II. pag. 552. — Engl. bot. tab. 863.
T. sylvestris Erndt, Virid. Warsow. pag. 121.
T. tuberosa Regnault, Fl. du dpart. de l'Orne pag. 148.

h) foliis caulinis petiolatis.

- T. parviflora* p *petiolata* Wnllrth. in Linnaea XIV. pag. 580.
T. erecta P *procumbens* Wahlcnb. Fl. Suec. I. pag. 327. no. 585.
T. reptans Fl. Dan. lab. 1217. (non L.)

p. *elatior*:

- P. Tormentilla elatior* Trait. Ros. Monogr. IV. no. 74.
P. TmmenUa p Villars, Fl. Delph. III. pag. 576. — Lehm. Monogr. pag. 150.
P. Tormentilla 8 alpina Scr. in DC. Prodr. II. pag. 574.
Tormentilla alpina Opitz, Boheims Gew. pag. 64.
I. divergens Reichenb. in Mohl et Schlecht. bot. Zeit. 1843. no. 15. pag. 263.
Wiaia floribus trimcris (Nestl. Monogr. pag. 66 et — in agro Hamburgensi haud raro — pcnlameris. — Floribus hexamens prope Hannoveram collegit cl. Scheele (Reg. bot. Zeit. 1843. I. pag. 448) et ogo met ipse prope Franzensbad in Bohemia 1849.

Ser. U. Foliis radicalibus digitalis quinatis, rarius septenatis.

- ^m. *P. HEPTANS* L. — Hartm. Scand. Fl. (ed. V.) pag. 162. no. 6. — Ledeb. Fl. Ross, fl. Pag. 52. no. 36. (excl. *P. nemoralis*.) — Koch, Synops. (ed. II.) pag. 239. no. 13. et »h Sturm. Deutschl. Fl. Fasc. 91. tab. 12. — Spreng. Syst. Veg. II. pag. 538. no. 60. — Scr. in DC. Prodr. II. pag. 574. no. 21. (excl. var. Y*) — Lehra. Monogr. pag. 149. no. 62. — Nestl. Monogr. pag. 64. no. 53. — Hayne, Arzneigew. IV. lab. 32. — Fl. Dan. ^vH. tab. 1164. — Engl. Bot. tab. 862. — *P. Abyssinica* A. Rich. Tenlam. fl. Abyss. I. 257.??)

P. microphylla:

- P. reptans* P *microphylla* Trail. Ros. Monogr. IV, no. 80.
P. reptans P *glabra* Koch, Synops. (ed. 2.) pag. 239.
P. reptans P *minor* Ser. in DC. Prodr. II. pag. 574. (?)

Y. mbpedata:

- P. subpedata* C. Koch in Linnaea XVI. pag. 349 — Wiprs. Repen. II. 912. no. 1.

5. anomala:

- P. anomala* Ledeb. Fl. Ross. II. pag. 53. no. 37.

^v) Caule flagelliformi reptante, surculis longissimis pubentibus; foliis longe petiolatis digitato-3-partitis, foliolis distinctis obovati-oblongis obtusis, basi sensim angustatis profunde dentatis cum petiolo pilosis; stipulis foliaceis dentatis; pedunculis axillaribus longissimis unifloris; calyculi foliolis elliptico-oblongis acutis calyce longioribus, calycis lacinia elliptica oblonga acutis, magis sericeis; petalis obcordatis aureis; receptaculo piloso; acheniis laevibus glabris. — In Abyssinia.

e. *subpinnatifida*: •

P. reptans (S Pohl, Tent. II. Bohem. II. pag. 184. — Lehm. Monogr. pag. 145.

P. sessilis Schmidt, Dot. Beobacht. in Meyer Samml. physical. Aufs. I. pag. 197.

Obs. Variat floribus letrameris. Floribus hexameris observavit cl. Arndl. (Cf. Regensb. bot. Zeit. 1839. Bd. I. png. 166.)

178. *P. PINNATIFIDA* Presl, Delic. Prn?ens. I. pag. 54. — [Liber a me non visus.]

179. *P. PROCUMISENS* Sibih. — Harlin. Scand. Fl. (ed. 5.) pag. 1G4 no. 15. — Koch, in Regensb. bot. Zeit. 1840. pag. 369. — Kjusd. Synops. (ed 2.) pag. 239. no. 15. et in Sturm, Oeutschl. Fl. Fasc. 92. tab. 2.

P. nemoralis Ncstl. Monogr. pag. 65. no. 51. — Ledcb. Fl. Ross. II. pag. 51. no. 34. — Torr. et Gray, Fl. of North Americ. I. pag. 444. no. 28. — Spreng. Syst. Vcg. II. pag. 539. no. 61. — Fl. Dan. tab, 1819. (oplima) — Lehm. Monogr. pag. 147. no. 68. lab. 13.

P. erecta (S *nemoralis* Hampe Fl. Hercyn. no. 665. (Ieste cl. Wallroth in Linnaea XIV. pag. 115.)

P. Tormentilla [J *procumbens* Wndrth. Fl. Hass. pag. 159.

P. Tormentilla & *nemoralis* Ser. in DC. Prodr. II. pag. 574. no. 18.

P. Ncumeyeriana Tratt. Ros. Monogr. IV. no. 75.— Ser. in DC. Prodr. II. p. 574. no. 22. (floribus pentameris.)

↳ *replans* Herb. Willd. No. 9972, fol. 3 et 4. floribus pentameris. (teste Ledeb.)

P. sylvestris Regnault, Fl. du depart, de l'Orne png. 148.

Tormentilla reptans L. — Koch. Synops. (ed. 1.) pag. 220. no. 2. — Men. et Koch, Deuschl. Fl. III. pag. 548*— Fries. Herb. Norm. Fasc. II. 51. — Willd. Spec. plant. II. pag. 1112.

Tormeniilla reptans a et p Wallrth. in Linnaea XIV. pag. 579. no. 136.

P. tormenlilloides Meyer, Physik. Aufs. 1785. II. tab. 1. Qg. 2. — Gf. Tauscli in Regensb. bot. Zeit. 1819. II. pag. 467.

(5. *humilis*:

P. nemoralis de Salis-Marsch. in Regensb. bot. Zeit. 1834. II. Beibl. 52.

Tormentilla reptans (S *humilis* Bertol. Fl. Ital. V. pag. 285. (An species distincta?)

180. *P. ITALIC* A Lehm. in Addend, ad Ind. sem. hort. Hamburg. 1849. collect, no. 18. el in hoc Pugillo pUg. 20. — Ejusd. Revis. gen. Potent, cum icon, (incedit.) — Caulibus simplicibus flagelliformibus prostratis; foliis inferioribus subpedato-quinatis, superioribus ternatis, foliolis oblongo-lanceolatis, utrinque sericeis profunde serratis, serraturis rectis; stipulis subtrifidis; pedicellis oxilloribus folio multo longioribus; segmentis calycis subaequalibus ovato-lanceolatis aculis; petalis obcordatis calyce longioribus (aureis). — *Tormentilla reptans* Bertol. excl. synon. — DiTert a *P. procumbente* s. *nemoralis*, ad quam proximo accedit. coloro laolo viridi lolius planlae, caulibus nullibi radicantibus, forma foliolorum eorumque indumento arguteo-sericeo, serraturis foliolorum erectis nee palulis, slipulis plerumque trifidis, floribus majoribus tetrameris et pentameris. — Habitat in Italia.

Tormeniilla reptans Bertol. Fl. Ital. V. pag. 295 (?) (excl. synon.)

181. *P. FLAGELLARIS* Herb. Willd. Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu Berl. VIII. pag. 291. — Turczan. in Bullet, de la soc. des natur. de Moscou XVI. pag. 611. ho. 405. — Ledeb. Fl. Ross. H. pag. 52. no. 35. — Ser. ID DC. Prodr. II. pag. 575. no. 24. et no. 21 Y- -* ^{SPREN}&- ^{SYSS}- v eg. II. pag. 539. no. 58. — Lehm. Monogr. pag. 141. no. 60. tab. 12.

P. nemoralis Bunge in L<deb. Fl. Alt. II. pag. no. 28. (excl. syn.)

P. reptans y *angustiloba* Ser. in DC. Prodr. pag. 574.

Obs. Carpella laevia et tuberculis exasperata in uno eodemque flore observavii cl. Turczan. Cf. 1. c.

182. *P. CILICIA* Boiss. Diagnos. plant. novar. III. pag. 7. — Lehm. Revis. gen. Potent. cum icon, (inedil.) — Wlprs. Rcpert. V. 653. no. 9.
183. *P. CANADENSIS* L. — Torr. et Gray. Fl. of North Americ. I. pag. 443. no. 26. — Lehra. in Hook. Fl. Boreal.-Americ. I. pag. 193. no. 18. — Ser. in DC. Prodr. II. pag. 575. no. 25. — Sprng. Syst. Veg. II. pag. 538. no. 50. — Lehm. Monogr. pag. 118. no. 49. — Nesll. Monogr. pag. 58. no. 43. tab. 10. fig. 1.
P. sannentosu Bigel. Fl. Boslon. (cd. 2.) pag. 204.

p. *fumila*:

- P. Canadensis* et *pumila* Lehm. in Hook. Fl. Boreal. - Americ. I. pag. 192. — Torr. et Gray, Fl. of North Americ. 1. c.
- P. pumila* Pursh, Fl. Americ. septentr. (ed. 2.) I. pag. 354. — Tratt. Ros. Monogr. IV. no. 101. — Spreng. Syst. Veg. II. pag. 537. no. 40. — Lehm. Monogr. 194. no. VI.

Y- *simplex*:

- P. Canadensis* et *simpler* Ton¹, et Gray 1. c.
- P. simplex* Michx. FJ. Boreal.-Americ. I. pag. 303. — Trait. Ros. Monogr. IV. no. 72. — Ser. in DC. Prodr. II. pag. 575. no. 23. — Sprng. Syst. Veg. II. pag. 538. no. 59. — Lehm. Monogr. pag. 142. no. 61. — Nesll. Monogr. p. 40. no. 22. tab. 9. fig. 2.
- P. sarmentosa* Willd. Enumerat. plant. hort. Berol. I. pag. 554. — Nesll. Monogr. pag. 64. (errore 66). no. 52.
- P. Caroliniana* Poir. Enc. hort. V. pag. 595. — Pers. Synops. plant. II. pag. 55.

Sei\ III. *Foliis interrupte pinnatis.*

184. *P. ANSERINA* Linn, et Auct. — Hayne, Arzneigew. IV. tab. 31. — Fl. Dan. tab. 544. — Engl. Bot. tab. 861.

a. *communis*:

- P. anserina* et *communis* Turczan. in Bullet. de la soc. des natur. de Moscou XVI. pag. 623. no. 418. — Lehm. in Addend. ad Ind. sem. hort. Hamburg. 1850 collect, pag. 10. no. 7.
- P. anserina* et *discolor* Wallrh. Sched. crilic. I. pag. 236.
- P. argentina* Uilib. Fl. Lilhuan. V. pag. 254. — Huds. Fl. Angl. I. pag. 195.

a) *viridis* :

- P. anserina* et *communis*, et *viridis* Lehm. 1. c.
- P. anserina* et *viridis* Koch, Synops. (ed.2.) p.236. no.3. — Ledeb. Fl. ROM.II. p. 44. no. 20.
- P. anserina* ? *glabrata* Sond. Fl. Homb. p. 290. no. 3. (ezcl. *P. Egedii*).
- P. anserina* et *nuda* Gau€ Fl. Helv. III. p. 405. no. 1179.

b) *sericea*:

- P. anserina* et *communis*, et *sericea* Lehm. 1. c.
- P. anserina* (*J sericea* Koch, Synops. 1. c.
- P. anserina* et *concolor* Wllnh. Sched. critic. I. p. 236. — Turczan. 1. c. — Ser. in DC. Prodr. II. p. 582. no. 72.
- P. anserina* et *holosericca* Gaud. Fl. Helv. I. c.
- Obs. Occurrit floribus tetrameris et hexnmeris. (Scheelo in Regensb. bot. Zeit. 1843.1. p. 445.) Varietatem floribus albia, cujus meniionem fecit cl. Hoppe in Sturm, Deutschl. Fl. Fa\$. 4. et Tratt. Ros. Monogr. IV. no. 11, nunquam vidimus.

(S. *grandis*:

- P. anserina* P *grāndis* Torr. et Gray, Fl. of North Americ. I. p. 444. no. 30. — Lchm. 1. c. — Hook. Fl. Boreal. - Americ. I. p. 180.
P. anserina 8 *grandis* Ledeb. Fl. Ross. 1. c.

y. *Groenlandica*:a) *genuina*:

- P. anserina* V *Groenlandica*, a *genuina* Lehrn. 1. c. ^
P. anserina *Groenlandica* Hook, in Pnrrey's 3th Voy. App. p. 125. — Ejusd. Fl. Boreal. - Americ. I. p. 189. no. 10. — Tratt. Ros. Monogr. IV. no. 13.
P. anserina Y *Groenlandica* Torr. et Gray, Fl. of North Americ. I. pag. 444. (N(Ml. Monogr. png. 35. no. 11. ud fnem).
P. anserina 8 *Groenlandica* Ser. in DC. Pro dr. II. pag. 582. no. 72. (Floribus octopeialis observavil cl. Schleclucndal, Gf. Linnaea X. pag. 98.)

b) *Egedii*:

- P. anserina* y *Groenlandica*, h *Egedii* Lchm. 1. c.
P. anserina 8)*Zgedii* Torr. et Gray 1. c.
P. Eyedii WormsU. in Fl. Dan. IX. tab. 1578. — Ser. in DC. Prodr. II. pag. 582. no. 70. — Sprung. Syst. Veg. II. pag. 535. no. 18. — Tratt. Ros. Monogr. IV. no. 43. — Lchm. Monogr. pag. 74. no. 26.

8. *geminiflora*:

- P. anserina* 8 *geminiflora* Koch, Synops. (ed.2.) I.e. — Lehm. 1. c.
P. anserina (S *geminiflora* Nesil. Monogr. pag. 35. no. 11. — Turczan. in Bullet. do. |a soc. (Jcs naiur. dc Moscou 1. c. — Ser. in DC. Prodr. II. 1' c. — Lehm. Monogr. 1 c.
P. anserma h if lor a Tratt. Ros. Monogr. IV. no 12.
Pentaphylloides incanum tanacetii folio Moris. Hist. 2. s. 2. lab. 20. fig. 4.

185. P. ANSERINOIDES Rooul, Choix des plant, de la Nouvelle Zeelande, in Annal. des scienc. nat. (Illēm Srie) II. p. 123. — Wlprs. Repert. V. 653. no. 11. — Lehm. Rev. gen. Potent, cum icon, (inedit.)

§. 2. ACEPHALAE Lehm. 1. c. 71.— Plantae annuae v. biennes, caulem unicum v. caules a basi in plures divisos, sed nulla capita sterilia in futuro anno florifera proferentes; corollae luteae, in plurimis parvae; carpella glabra.

Ser. I. Foliis imparipinnatis.

186. P. PIMPINELLOIUES L. — Ser. in DC. Prodr.^II. pig. 580. no. 57. — SpreO* Syst. Veg. II. pag 534. no. 6. — Trail. Ros. Monogr. IV. no. 21. — Lehra. Monogr« pag. 40. no. 5. — Nesil. Monogr. pag. 32. no. 4; tab. 2. fig. 1. — Willd. Spec, plant-U« pag. 1098.
187. P. CICUTARIAEFOLIA Willd. Spec, plant. II. pag. 1098. — Ser. in DC. Prodr. B-pag. 580. no 54. — Spreng. Syst. Veg. II. pag. 534. no. 7. — Trait. Ros. Monogr-IV. no. 22. — Lehm. Monogr. pag. 41. no. 6. — Nesil. Monogr. pag. 32. no. 5. tab. * fig. 2.

- P. supina variet.* Grieseb. Spic. fl. Rumel. et Bithyn. I. pag. 102.
Obs. Facile disinguiur a *P. supina* caulibus simplicibus erectif strfctis, ~~pedicel~~ lis frucillèris ereciis sirictis (in ilia recurvatis).

¹88. *P. SUPINA* L. — Koch. Synops. (ed. 2.) png. 235. no. 1. fit in Sturm, Deutschl. Fl. Fasc. 91. tab. 1. — Ser. in DC. Prodr. II. pnr. 5-0 no. 55. — Spreng. Syst. Veg. II. pag. 535. no. 20. — Lehm. Monogr. p. 43. no. 7. — Nestl. Monogr. pag. 3ti. no. 18. — Fl. Dan. tab. 2175. — Jacq. Fl. Austr. V. tab. 406.

P. supina a vulgaris Spenner, Fl. Friburg. III. p. 759.

P. Jluhenica Herb. Ilamilt. Wall. Caial. plant. Ind. of Orient. 1. 249. no. 1029. (non Willd.)

P. prostrata Haenke, Jt. Sudet. (fide PoJil, Tent. Fl. Bohem.) II. pag. 181.

(J. *Witior*:

P. Garipensis E. Meyer in Dregc, Verzeichniss in Rogensb. bot, Zeit. 1843. pag. 213. (nomen)

7. *Umosa*:

P. supina (i *limosa* Boenningh. Fl. Monasteriens. Westphalicor. pag. 154. — Mert. et Koch, Deutschl. Fl. III. png. 545.

P. supina (J *erecta* Spenner, Fl..Friburg. III. pag. 759.

5. *incana*:

P. denticulosa Ser. niss. in DC. Prodr. 11. pag. 573. no. 16. — Conf. Lehm. Novar. et minus cognil. stirp. Pug-ill. III. pag. 10. nota, et Royle, Illustr. of the Himalay. mount. I. pag. 202.

P. denliculata Wall. Cat. plant. Ind. Orient, fol. 29. no. 1029.

P. cana Wallich (olim) in Herb. Colsmanniano.

P. supina (J *Aegyptiaca* Viv. Plant. Aegypt. pag. 89.

1*9. *P. PARADOXA* Nutt. mss. in Ton*, et Gray, Fl. of North Americ. I. pag. 437. no. 3.

* *P. supina* Michx. Fl. Boreal. - Amerir. I. pag. 304. (non L.) — Wlprs. Repert. II. 32. no. 57.

NB. *Gynopodio* lateral] valde incrassato instructn cst.

*90. *P. RIYALIS* Nutt. mss. in Torr. et Gray, Fl. of North Americ. I. pag. 437. no. 2. —

Wlprs. Repert. II. 31. no. 56.— Lehm. Revis. gen. Potent, cum icon, (inedit.)— Lchm. >n E. Otto, Garten- u. Blumenzeitung VII. 340. f— Molliter pubescenli-pilosa: CDUO erecto firmo; foliis subtrijugis, summis ternalis, foliolis obovaio- oblongis pro- funde inciso-serralis, ita approximatis, ut folium digitatum nppareal, infimis 4 in ver- ticillo subdimidiato. terminalibus tribus interdum conllueniibus; stipulis ovatis pro- funde 2—3-fldis; sogmenlis calycis aequali fere longitudine acutis, exturioribus lan- ceolatis; corollis ephemeris; pelalis minutis obovatis inlogerrimis calyce diuudio bre- vioribus luteis. — Habitat in America septentrionali ad fluvium Leuiis.

*⁹1. *P. HEYNI* Roth, Novar. plant, spec, praosnim India Orient, pag. 235. — Ser. in DC. Prodr. II. pag. 581). no. 56. — Spreng. Syst. Veg. II. pag. 53i. no. 12. — Trail. Aos. Monogr. IV. no. 10. — Wall. Catal. plant. Ind. Orient, no. J024.

P. supina vfrict. Wight et Am. Fl. penins. Ind. Orient. 1. pag. 926.

Ser. II. *Foliis digitatis quinatis.*

192. *P. PENTANDRA* Engelm. mss. in Torr. et Gray. Fl. of North Americ. 1. png. 447. no.38.r-Lehm. Revis. gen. Potent, cum icon, (inedit.) — Wlprs. Rrperi. II. 35. no. 92.

Ser. III *Foliis ternatis.*

*93. *P. DICHOTOMA* Galeotti, Collect, plant. Mexican, no. 3076. — Species indescrpta.

*H *P. NORWEGICA* L. — Hartm. Scand. Fl. (ed. 5.) pag. 162. no. 4. (excl. Fl. Pin.

tab 1874; — Lcdeb Tl Ro^s II pig 36 no 2 — Koch Synop[«], (ed Z) pig 235 no 2 et m Sturm Deutschl H Fisc S2 tib 2 (c\cl folio radic U) — Bertol Fl Itil V pig Zt2 no 23 — Ton ct GMJ Fl of rsoith \nienc I pig 436 no 1 - S<r in DC Piodi II pig 5< \ no 10 — Spicng Sw Vcg II pig 540 no 70 — Lelmi Monogr pag 131 no iñ — \esll Monogi pi? b6 no 57 — Fl Dan tab 171 — Futs Heib norm Fisc III 43

P yumniflma Scln ink Plant novic nut minu> r)gnit m Regent) bot 7eil 1823 II pag 216

P ipossa cl milltjiana I)ou_nl mas. in Herb *oc hortie Loudin

P frayaupfolia Hoppe Plant cxsicc

P ijandijloia vancl fl nunm Pill in Herb Willd rso 9990 lol b (test*³ I edeb)

P dicholoma Moencl, Mcih pif, h5<

P itifoliula Gilib Suppl Sjst pi ml I mop pig 361

P Munspdiensis Guldenst It I pij? 192

^ *hnsula*

/* *A trwequu* P JmsM/uToir rt Gra\ H ol ^orth Am cue I 436

/* fiiisufa Miclix II Boital Amcric I pig 303 — Hook Fl Boreal -Aniem I pig 191 — &pn n^f Mst Aog II pig 540 no 71 — Lehm Monogr pag 1)j no 6b — Vsll Wonopr j i\$, f7 no 58 lib *) fig 1 (nonAiljl;

/ 1/MISOJII DC (ml plinl hoiI Monsp IH13 pig 135 — Spr in DC Piodi II pig 573 nD 12

/* VonsjJtlitnMs I —Will I spu plint II pag 1109

Y *di generata*

P \onucyica P Tuiczan in Bullet It h voc Its nauu de Moscou \VI pag 1)10 no 403

P lluthcnwa Willd. Spec plant II pij 1097 — bci in DC. Piodr II pig '59 no 48 — Mut fil in Linmci 1\ pg 63 flide spccim) — Ti m Ro< Monogi IV no % — I ohm Monotji pit, 44 no S — ^sll Monogi pig W no 20

/* *luihen\ca* ^ *dtfjuia* iNosll Monogi) ig 1M — I chin Monogi, jug 44

/* *diffuta* Willil I numeral plant hoiI Itciol I pig 5J5 — Ser. in DC Piodi H pig 579 no 49 — Tnu Hos Monogr IV no 87 (non A Gr<)

/* *1 ismqtna* Weihe tesu Sieudel ct Rutlirnh Fl (xcurs in Addend pag, 870 no 384H)

I dn inicrdum propt I ldcem 4IIII ai <uo< tiuitu luuin inoidmila lien \idettu Wihl<nb II Succ I pi, ill — Lonf etnm Reichcnb in Rt-ensb bot Zeit IH22 \ol I ji ^4 — Men et Kocli, Dculschl H HI [-lg 54b — Tin cl dn I c pig 437 — Noml H •Ihmbg pig 289

195 V IVURADORICV I <hm m Mdend ad Ind sein bou Hamburg 1849 collect no 20 ct in hoc Pugillo pag 21 — Ijurd Re\i> gen Potent cum icon (inedit) — Cauhbus 1 — 3-flons erectis hltialibus isrcndennbus foli<, ternatis longe petiolatw foliolis obovato-subrotundis sub,lahrib &us6 obtustque serratis stipulis permignis ovatis atutis, basi dilatatis integerum < <om< mis cal\cis cueiionbus oblongis* obiusis, reliquis paulo longionbus ovilis teuliusculis penlis obo\ato-subrotundis >^x letusis calvcem fere lequintibus ((luis) — Pioximi *P \ouoejwae* L eliam in M-bradoin observiac DilTeit pirufUe ct ghbntie lormi foliolorum serraluns **rotund** dato-obtusis, stipularum mignlu line lloi bus multo mi|0nbus \ *P nana*, ad **quam** foliolorum ct suratuiarum foima aliquitulum actedil, fitdc diitinguitur **glabritio** peialorumque forma et paiMiate, ladice uuun — Habiat in Labradona

196. *P. MILLEGRANA* Engelm. mss. Lebm. in Addend, ad Ind. sem. hort. Hamburg. 1849 collect, no. 19. et in hoc Pugillo pag. 22. — Flaccida: caule erecto, superne in ramos racemiferos valde elongates diviso; foliis tern a Us, foliolis subpetiolulatis cuneato-flal>c!lirormibu9. anlice serratis subglabris, subtus pallitioribus glaucesconlibus; .srgmentis calycis subaequalibus ovatis aculiusculis; petalis obovatis integerrimis ca-
 ũce multo brevionbus (pallide flavis); cnrpellis minulissimis glabemimis. — Accedit ud *P. Norvegicam* L. Di(Tert stalura flaccida. caulibus dein in ramos racemiferos valde elongatos divisio fere ut in *P. Mooniana* R. Wght., forma et glabrilie foliolorum, petal^ calyce multo brevioribus pallide flavis; carpellis numerosissimis minutissimis glnberrimis albicantibus. — Habitat in America boreali.

t Species exclusae.

- P. CUNEATA* Wall. Calal. plant. Ind. Orient, no. 1015. = *Sibbaldia cuneata* Edgw.
P. DURANDII Torr. el Gray, Fl. of North Americ. I. pag. 444. = *Duchesnea fragiformis* Smith.
P. LIGNOSA Consp. Potent. Herb. Willd. in Magaz. der Gesell. naturf. Fr. zu fieri. VII. pag. 293. — *Lehmannia lignnsa* Tratt. Ros. Monogr. = *Trichothalamu\$ lignosut* Lehm.
P. MICROPETALA Don. Prodr. fl. Nepal, pag. 231. — *P. albifolia* Wall. Gatal. no. 1018. — *Comarum flavum* Hamill. = *Sibbaldia potenlilloides* Cambess. in Jacqmt. Voy. dans l'Inde.
P. NIVALIS Torr. in Ann. of the Lyceum of nat. hist, of New-York I. pag. 32. tab. 3. fig. 1. — *Siversia Rossi* R. Br.
P. PROCUMBENS JClairv. Manuel. = *Sibbaldia procumbent* L.
P. SIBBALDI Hall. fl. in Ser. Mus. Helv. I. pag. 51. = *Sibbaldia proatmbens* L.
P. WALLIGHIANA Ser. in DC. Prodr. II. pag. 574. no. 17. = *Duchesnea fragiformis* Smiih.
P. VESCA Scopol. Fl. Cam. (ed. 2.) pag. 363. = *Fragaria vesca* L.

t t Species dnbiae vei plane ignotae.

- P. CANDOLLEANA* Royle. Illustr. of the Himalay. monat. I. pag. 203. (nomen.)
P. LAGASCANA Ser. iii DC. Prodr. II. pag. 586. no. 101. — *Pot. incisa* Lagasc. Gen. et Spec. 16. (non Dest.)
P. NUTANS Guldenst. Reise durch Russl. und die Caucas. Gebirgo II. pag. 79 (nomen.)
*P** *PULCHRA* Langsd. et Pot. n. sp. ejusd. Bemerkung. auf einer Reise urn die Welt. 1. Cap. II. ad finem pag. 45. (nomen.)
P. TKILOBATA Poir. Eric. Bot. Supp. IV. pag. 536.
P. VILLOSA Tausch. (este Steud. el Hochst. Enumerat. plantar. Germ. Helvet. iodigen.)
P. SPECIES Griffith, Opera post. II. pag. 11. no. 65. pag. 248. no. 400. pag. 303. no. 994 et pag. 308. no. 1092.

t t t Formae hybridae nonnullae. *)

A. Parentes notae.

- «) *P. ARGYROPHYLLO-ATROSANGUINEA*.

P. Smoothii van Houtle. Fl. des serres et jard. 1848. pag. 373. cum icon.

*) 6onf. Wimmer in Regensb. bot. Zeit. 1846. Vol. I. pag. 149 et Lindl. in Bot. Reg. vol. XVI. ad lab. 1387.

b) P. ATROSANGULXEO-ARGYROPHYLLA.

P. Macnabiana van Houtte, Fl. des serres et jord. II. Livr. 9. tab. 7. — Annales de la soc. de Gand. III. tab. 117.

P. Memicsii Ann. de la soc. de Gand Ann, IV. no. 9. tab. 243.

P. Fintclmanni E. Otto, Gartenczcit. 1849. pag. 52.

c) P. ATROSANGUINEO - INSIGNIS.

P. bicolor Lindl. Bot. Reg. 1845. tab. 62. — Van Houtte, Fl. des serres et jard. 1846. II. Livr. VI. fig. 8. (fig. in scriptis.)

Obs. In horto nostro e patre *P. atrosanguinea* et matre *P. argyrophylla* var. *insignis* educta est.

d) P. ATROSANGUINEO-NEPALENSIS.

P. Russeliana Bot. Reg. tab. 1496. — Bot. Magaz. tab. 3470. — Sweet, Br. Flow. Card. (Ser. 1.) tab. 279. — Regensb. Bot. Zeit., 1831. I. pag. 80.

•) P. CINEREO-ARGENTEA.

P. subacauli-argentea Lasch in Linnaea V. pag. 432.

f) P. CINEREO-OPACA.

P. subacauli-opaca Lasch in Linnaea IV. pag. 427.

g) P. FRAGARIASTRO-ALBA.

P. Fragariastrum-alba Schiede in Linnaea XIV. pag. 76. — Meyer, PI. Flannov, excurs. pag. 180. (excl. syn. Ramond.)

P. splendens Koch, Synops. (ed 2.). pag. 2)3. no. 28 et in Sturm, Deutschl. Fl. Fasc. 92. tab. 8 et 9. (non Ramond.)

P. fraterna Wallrth. in Linnaea XIV. pag. 578.

P. hybrida Wallrth. Sched. critic. I. pag. 247. — Ser. in DC. Prodr. II. pag. 586. no. 97. — Conf. Buchinger in Regensb. Bot. Zeit. 1846. Vol. I. pag. 47.

b) V. FRIGIDO-MULTIFIDA.

P. ambigua Gaud. Fl. Helv. III. pag. 391. no. 1171. — Conf. Charpent. in Reichb. Fl. excurs. no. 3845. — *Hybrida* progenies c *P. frigida* et *mullifida* enata. teste cl. Mcisner in litt.

P. aurea et *pectinata* Ser. in DC. Prodr. II. pag. 576.

↳. *intermedia* Trail. Ros. Moagr. IV. no. 58 cl *Halleriana* ibid. no. 86 ad fin em.

***P. alpestris* variet. Hall. III.**

P. gerunioides Schleich. Cat. (ex pane.)

i) P. NEPALENSI-OPACA.

P. Mackayana Sweet, Brit. Flow. Gard. (Ser. II.) tab. 43.

k) P. NEPALENSI-ERECTA.

P. Hopwoodiana Bot. Reg. tab. 1837. — Sweet, Brit. Flow. Gard. (Ser. 2.) tab. 61.

I) P. OPACO-ARGENTEA.

P. opaco-argentea Lasch in Linnaea *V. pag. 432.

m) P. PENNSYLVANICO-NEPALENSIS.

Conf. Regensb. Bot. Zeit. 1*31. I. pag. 80.

n) P. PROCUMBENTI - REPTANS.

P. procumbenti-reptans Ind. sem. hort. Hamburg. 1849 collect. Addend, pag. U« — Meyer, Fl. Hannov. excurs. pag. 178.

P. mixta Nolle in Reichenb. Fl. Germ. exsicc. no. 1743. — Koch, Synops. (ed 2.) pag. 239. no. 14 et in Sturm. Deutschl. Fl. Fa. >c. 92. tab. 1.

Obs. Specimina e Gallia accepta (Grcn. et Godr. Fl. de France I. pag. 531) magis ad *P. reptantem*, specimina ex Anglia mecum communicata (Hook. Load. Jolif*

of Botany 1&18 pag 528) magis ad *P. procumbentem* tcccdnnt. E #emioibus in loco naiali a Noltenio mdicaio (Einfelder See in Holsatia) colteciii in borto botanico Hafmensi *ommmo abut* in *P. pi ocumbentem* teste **J.Laage, UAnadbog** i den dantke Flora, pag 314

B. Parentes ad hut ignotae

- o) P MAYANA Hortul Linnaea 1844 pag 508
- p) P. SADLERI Reichenb Fl excurs no 3851
- q) P THELLUSONII Hortul. Ind. sem hort Basil. 1848. collect.

6370. AL.CHEMLLL.A,

(DC Prodr II. 589 — Wlprs. Repeit II 42 & 914. Y. 655, Annal. I 280)

- 1 A. GRYPTAMHA Steudel mss ex A Rich Tent fl Abyss 1 259 — Caule a ba«i repente, rams assurgentibus pilosis Coins peliolatis reniformibus 5-nervns. in ambitu diguato-5-lobis, lobis obuiitissimis dentalis subtus in nervis et in denlibus pilosis, slipuljs foliaceis petiolo adnatis alaefoinnhus dentalis floubus 2—3*in axilla foliorum. MX peduncuhtis et stipulis obtectis pedunculis pilosis caljcn ovoidei dentibus 8 glabriusculis, carpellis 2 — Habitat in Abyssinia provincus Semiene ft Ouodgerate
- 2 A. PEDATA Hochsl mss. ex A. Rich I c 260. — Caule a basi ramoso, ramis basi repentibus assurgentibus spithamneis p losis folus digiiato-5—7-lobis. subtus in nervis 3 dentilmsque pilosib, caelurum glabns, lobis profundis obovato-cuneirormibus. in medieiate supenore inci«?o - denlaus, raccmis" soli tarns simplicibus 3—5—multiflons axil anbus longiuscule pedunculatis, bracteatis bracteis inciso - dentalis flonbus pedictillalis, calycis tuibinati tubo sencco, lacimis ovali-oblongis acutis lubum aequantibus, saipius ciliatis. apice barbatis — In Abjssimae piov Semicne.
- J A. GALIOIDES Tirvir in Schblchtd Bol Zing VII 215 -f — Perennis' ascendens piloso-scabra fol is imbncalis bis slipulisque tripaililis, caljcibus lerminalibus glomeratis villosissimis. lacimib nudiusculis. — Habitat in republica Venezuela, elevatione 11000 ped
- * A. LYCOPODIOIDES Trevir I c f — Perennis (*) erecta umosissima foliis octoms, internodio longionbus pateniibus lineari - subulatis VIIIOMS. flonbus terminaibus agfregntis — Habiial in republica Venezuela, elevatione 11000 ped.
- 5 A. LQUISETIFORMIS Tre\ir. I c — Subramosa erecta hirsuia (perennis?), folus quaternis vaginantibus, margme revoluiis, ut caljces terminales glomerati glabns. — Habitat in republicae Venezuelac provinc Monda, in Sierru Nevada, elevatione 10000 ped

6372. ACAMJSA Vaki

(DC. Prodr II. 592. — Wlprs Repert II. 43. V. 655, Annal. I. 280)

- * A. (*Euacaena*J POEPPIGIANA Gay, Hi^tor de Chile (Dot) II. p. 284 f — Villosiuscula caule suberecto simplici s(f!clo, folus caespiosis, foliolis 5-7-jugis. sublus senceo-pilosis 5-partitis. lacinus ovato-oblique, spica interrupta flonbus inferionbus paucis f«motis, supenonbus dense agglomcraais, slamimbus 2, bievibus, sügmate subpotelli-forme, raargimbus flinbriatis, fructibus mimmis ovoto-globosis, anslis pyramidalibus inaequilougis, parce glocludiAtis armatis — Habitat in Chile.
- 2 A. (*Ancistrum*J ELEGANS Gay 1 c p 297 f- Tota glabemma gracilis caule elongato ascendente subramoso fohosoque foliolis 4—6-jugis membranaceis ovato- oblongo, crenato-dentalis subpetiolatis capitulo globoso pilosiusculo, staminibus 2, fila-

mentis brevibus; stylo spaihuliformi plumoso; fructu clongoto ulloso, arjslis 2, apice glochidiatis armato. — Habitat in Chile

- 3 A CLOSIANA Gay 1 c p 298 f t. 21. — bencco - pubescens caule elongato ascendente, pajum ramoso, foliolis 5—8-jugis ellipuco-oblongis obtusis giosse crenalosserratis, supra glabnusculti*. subtus senceo-villosis flonbusin capilulum gloMim dispositis, divisiombus cahcis elongaus ovato-lanceolatis, subtus paice pilosis siaminiibus 4, anthens obtusis longe cordaiis sligmate clongitio unilatcrali pipilloso, fructibus sublaevibus, sens 4 gmcilibus, apice gloclmlialis aimatis cotyledombus 3 trun. cans — Habitat in Chile

6374 POTBRIUJI Linn.

(E Spach in Wlprs Annal I 282)

- 1 P (*Ancisti oidei*, >) COMPACTUM Boiss Diagnos plum orient no* X p 7 f — Rhizomate lignoso. caespites pulvinares densissime compattos edenti folns fere omnibus radicaibus 5 — 6-jugis, foliolis praeter selulas spaisas glabns ovatis oblusiuscule et profundiuscule dcnlatis, dentibus lncari - oblongis, folioium caulinatorum subImeanbus, apjce tantum dcnlatis, canlibus> piostialis \el at>ccndentibus, mferne lantum et puree ramosi* tenuibus stnaiis, pedunculis ^racilibus longissimis, cnpuiulis globosis paucijlons minimis flonbus infeioribus masculis, Mipcnoribus foemineis lructu (junion) elliptico laeviusculo anguldlo, utunqac aculo — Crescit'in herboidis siccis jugi Libanouci inter Zachle et Bejrout in regione Rhododendn Pontici

6380A CHAMAEBATIA Bnth

(Bnth Plant. Hartweg. 308)

Calycis tubus campanulatus, hmbus persislens, lacinns quinque aestivatione \alvatis. Petala quinque, Slainina numeiosa plunscnala ad faucem calycis inserla 0\anum in funflo calycis unicum erecluni hberum, stylus ex apice ovani erectus, latere inlenoie. fere a/1 medium fissus et stigmatosus Ovula duo erecta. Achaemum siccum, calyce \$ub* inclusum. Semen unicum ereclum

1. CH. FOLIOLOSA Bnth. 1 cit no. 1712 — Fruticulus pedalis erecius, suporno ramosus, ramulis glanduloso - pubescentibus. ramis cortice delapso glabratis laevibus. Folia tnpinnatisecta viscidula et odorem fortem rcsmosum piuro *Cistmum* etiam in sicco emiltentia, circumscriptione o\ata et l/a — 2-pollicana, segmenta primi oidinis utnnque 5—7, quorum majora fere polhcana, sed alia minora inteimixtd, secundi ordmis 2—3 lin longa, ultima numerosi&sima confeita, vix semilineam longa. oblongs obtusa mteggerrima, consistentia flrma crassiuscula, pilis pauci^ hi<pidula ct singuU glandula termmata Stipulae parvae, hneaies vel lanceolaiae, dentatae, pctiolo ba«» * adnatae Cymae ad apices ramulorum paucillorae, latiusculae, folia vix superantes Bracleac foliaceae pinnatifdae, uti tota mflorescenda glanduloso - pubescentes Florefl magnitudinc circa *liubi saxahhs* Calycib tubus hemisphaencus, exlus glanduloso-pU" bescens, pilis rigidis crassis inlcrmixtis, mlus tomenlosus., hciniae tubo paulo *longio** res (im 2longae) late lanceolatae, aculae, exlus planduloso-pubescentes et paice hisp> dae, mtus canescenti-pubr>scntes, post anthesin reflex! Petala cum stamnibus ** faucem calycis inserla, lacimis caljcinis longiora. bre\itei stipiiala obovata, obtus* vel emarginata alba. Stamina ultra 50 Ovauum in fundo caljcis sessile. globosuBJj tomentosum stylus staraimbus brevior Ath^enium caljce peisistente fultim. tubu r ejus adaequans, subconaceum glabiatum oboxoideo-globosum. obmsissimum *Sema* erectum, testa crassiuscula membranacea, coyledones crassae carnosae, radricula *brevi*

recta sed obliqua od hilum spectans. Genus juxta *Cercocarpum* et *Purshiam* collocandum, ab illis calyce et fructu facile distinctum. Planta foliis et odore inter *Rosaceae* insignis. — Crescit in California.

6395. BRAYERA *Knth.*

(DC. Prodr. II. 588.)

1. BR. ANTHELMINTICA *Knth.* — DC. 1. c. — Hook. Kew gard. misc. II. 349. f. tab. 10. — Fresen. Mus. Sencknb. II. 162. — A. Rich. Tent. fl. Abyss. I. 258. — Arborea: l'nmulis lerelibus ferrugineo-birsutissimis; foliis alternis basi vaginantibus in parte lamulorum superiore approxiatis inerrupte imparipinnatis, foliolis elliptico-lanceolatis acutis, margine acute serratis et dense ciliatis, superne glabris, sublus praesertim in nervis birlis, foliolis intermediis minimis aut nullis; stipulis longissimis foliaceis, cum petioli marginibus complete connatis, basi amplexicaulibus, apice oblusis, margine subdenticulatis; floribus dioicis parvulis viridi-purpurascensibus numerosissimis et paniculam ramosissimam, pedalem et ultra ceteris. — *Banksia Abyssinica* Bruce, Itin. (ed. 8.) VII. 181. All. tab. 22. 23. — *Ilagenia Abyssinica* Willd. Spec. plant. II. 331. — Nomen vernaculum *Kousoo*. — In Abyssinia crescit.

Subordo III. SVIMAJEA.CHAM DC. I. e. 541.

6391. SPIRAEA *Linn.*

(DC. Prodr. II. 541. — Wiprs. Report. II. 49. & 914. V. 657. Annal. I. 287.)

- * SP. VENUSTULA *Knth.* f. Bouch. Index sem. in hort. bot. Berlin. a. 1848 collector. P* 16. no. 27. — Fruticosa: ramis terelibus petiolisque pubescentibus; foliis exsiliplatis ovato-oblongis oculis, basi subcuneato-acutiusculis, obtuse et subduplicato-serratis, perspicue reticulato-venosis, supra glabris, subtus glaucescentibus inque nervo medio et venis primariis puberulis; corymbis terminalibus ramosis fastigialis multidoris villosulis; floribus longiuscule pedicellatis albis; calycis villosuli laciniis abbreviato-ovalis acutis; ovariis 5 distinctis 5—6-ovulatis, venire villosulis; disco W-glanduloso. — Habitat in Nepalia?

f leones addendae.

- ^SP. DECUMBENS *Koch.* Synops. fl. Germ. (ed. 1.) 208. no. 3. — Morron. Ann. de la aoc. «bortic. de Gand V. 247. tab. 262. — Paxt. & Lindl. Flow. gard. I. 15. fig. 6.

6393/a? APODOSTACMRS *Turcz.*

(Turczan. Flora [B. Z.] XXXI. 710.)

Calyx bibracteatus quinquepartitus, laciniis aestivatione imbricalis. Wolla nulla. Stamina decem, imo calycis tubo inserta, filamenta complanata glabra, demum longe exserta, antherae dorsales oblongae biloculares, longitudinaliter dehiscentes. Ovaria quinque toro parvo in^sjaontia uniovulata, ovulis erectis. Styli quinque angulo interno ova^s Torum accreti. stigmata simplicia. — Frutex: ramis simplicibus teretibus; lojiis alternis breviter petiolatis ovatis obtusis integerrimis crassis; ^sPicis axillaribus sessilibus ovato-oblongis; floribus valde congestis ^sreviter pedicellatis bracteatis, stipulis nullis aut eito deciduis. — Genus ^{ex} ordine *Rosacearum Spiraeaceis* ut videatur associandum, **convenit enim**

acstivatione calycis et ovariis verlicilialis, practerea ovariis uniovufatis cum *Kerria*, staminibus 10 cum *Quiilaja*, absentia petalorum cum *Euphronia*, denique liabitu nonnulhs *Spiraeis* satis propmquum.

1. *A. DENSIFLORA Turczan. 1. c. — Crscit in Chili prope Valparaiso.

6397. **UNNMEYA.H. B. Knth.**

(DC. Prodr. H. 548. — Wlprs. Repert. V. 659.)

- i. *L. MESPILOIDES H.D. Knth. — DC. 1. c — Wlprs. 1. c. — Morren, Ann. de la soc. 1 d'liortic. de Gand IV. 291. tab. 209. — Van Houtle, Flore des serres IV. tab. 357.

— — —

Ordo LXXVI. POMACEAE Undi.

(Wlprs. Report. II. 53. & 915. V. 660, Ann. I. 287. ft 972. — M. J. Roemer, Synops. monogr. III. p. 97—226. — *Ilosaccariim* trib. VII. *Pomaceae* Juss. — DC. Prodr. II. 626.)

6341. **CYBOHTIA Tournef.**

(DC. Prodr. IF. 638.)

1. *C. JAPONICA Pers. — DC. 1. c. no. 4. — Van Houtte, Flore des serres V. 510. I. 512.

6342. **PYRUS Lindl.**

(DC. Prodr. II. 633. — Wlprs. Repert. II. 53, Annal. I. 287.)

1. P. SYRIACA Boiss. Diagnos. plant, orient, nov. X. p. 1. + — Arborea 20—25-pedalis: coma roiundata; ramis cliam junioribus glaberrimis, cortice rubello glaucescenli ••" stilis, ramulis infe'rioribus ramorum saepo spinosis crassis abbreviatis; foliis in fasciculos scssiles polyphyllos gemmulam foventes secus ramos disposilis, ad ramoruffl apicem solitariis dissitis glaberrimis pallide \irentibus, supra nilidis, subtus pallidioribus lenuissime venulosis subcoriaceis oblongis vel oblongo-lanceolatis, basi rotutt* datis vel breviter cuneatis acuiis, margine eximie et minute crenato-serrulatis, de0" tieulis ascendntibus eglandulosis, petiolo folii dimidiam longitudineni subsuperanti; flonbus...; pomis 3 — 5 in corymbos super ramulos hornotinos terminales dispO" silis folia basilnria acquanlibus glaberrimis nigricanti-rubellis coriaceis subglobosis. in pedunculum crassum, apice clavatum iis duplo longiorem basi attenuatis", dentil calycinis triangulari-lanceolatis ercto-patulis eoronatis, loculis propter septa incolll" plcia in unum centrale pericarpium diametro anguslius parvum confluentibus. — **Crecei** in sylvaticis regionis inferioris monlis Cassii supra Cassab, in Antilibano inter **Zab-** dani et Zachlc.

6345. **A^IELAIVCHIER Medic.**

(DC. Prodr. II. 632. — Wlprs. Repert. II. 55. V. 660.)

1. A. PISIDIÇA Boiss. & Heldr. Diagn. plant, orient, nov. X. p. 2. f - **Ramosissima!** ramis coruce rubello laevi nitidula vestitia; foliis integerrimis ovatis obtusis Tel **ret*** sis muticis ^el mmmissime mucranulatis, basi roiundatis breviter pedunculatis. &F*

- glabris, pallide virentibus, subtus tomento persistente canis; floribus in racemos breves ovatos ad ramulorum apicem dispositis, folia basilaria vix superantibus; pedicellis tomentosius calyce sesquialongioribus; bracteis linearibus rubellis deciduis; calycis albotomentosi hemisphaerici dentibus triangularibus aculis, nupice tomento demum detersili nudis rubellis; petalis albis calyce duplo longioribus basi attenuatis oblongo-spathulatis obtusis, medio dorso brevissime tomentosis, margine ciliatis; styli 5 tomento denso immersis; drupa . . . ? — *Amelanchier parviflora* Hledr. mss. — Crescit in Pisidia.

6347. COTOIVE ASTER *Medic.*

(DC. Prodr. II. 632. — Wlprs. Rept. II. 56. V. 661, Annal. I. 287.)

- *• C. COMPTUS Lemaire in Van Houtte. Flore des serres IV. p. 33bb. — Frutex glaber inermis nitidus: ramis virgatis atropurpureis, verruculis ulbidis notatis, junioribus apice solum villosulis (sicut et petioli, folii nervi medii subtus marginesque), petiolis brevibus canaliculatis; stipulis linearibus subulatis caducis; foliis exacte ellipticis, apice mucronulatis (0.050 m. longis, 0.022 lat.), nervis anastomosantibus immersis, mediano robusto infra prominente; cymis compositis nullifloris basi foliatis lacinalibus; calyce turbinalo 5-dentato villosulo; petalis rotundatis basi supra pilis pulvillatim suffultis; staminibus 20, filamentis uniseriatis (ahem, brevioribus) intra discum membranaceum dentibus calycin. brevioribus et calycem (arete his duobus connatis) et infra partem insertis; loculis antheris parallelis; ovario apice villosulo 2-loculari, loculis bivulvatis; stylis duo, stigmatibus rotundatis extus obliquis. — Mexico.

6353. CRATAECTOS *Linn.*

(DC. Prodr. II. 626. — Wlprs. Rept. II. 57. & 915. V. 661, Annal. I. 288. & 972.)

- 1- CR. MOLLIS Scheele, Linnaea XXI. 569. f — Rami flexuosi teretiusculi glabri nilidi; stipulae semilunatae pubescentes dentatae, densis apice glanduliferi; petioli erecto-patentes folium dimidium vix aequantes tomentosi, supra angustissime canaliculati, Plerumque apice 1—2 glandulas purpureas stipitatas gerentes; folia lata subcoriacea subrotundo-ovata 9—11 lobata, inaequaliter grosse serrata, basi truncata, supra glabra*. subtus tomentosa, serraturae cartilagineae acuminatae, venae supra impressae, subtus prominentes; pedunculi axillares solitarii pubescentes patentcs petiolo brevioribus; flores . . . ?; fructus coccinei subgloboso-obovali ecostali pubescentes calyce coronati; calycis lacinae lanceolatae profunde denticulatae, densis apice glandulosi. —* Crescit in civitate Illinoensi Americae borealis.

Cj-ena\$ ex ordlne expellendum*

- PTEROSTEMON S. Schauer. (Wlprs. Annal. I. 588.) ad PIHLADELPHEAS referendum
 auc». cl. A. GRAY (Plant. Fendler. pag. 55. adnot.)

Ordo LXXVIII. COMBRETACEAE R. Br.

(DC. Prodr. III. 9. — Wlprs. Rcpert. II. 60. & 950. V. 661, Annal. I. 289.)

6076. TERUIIJVAIILA Linn.

(DC. Prodr. III. 10. — Wlprs. Report. II. 60, Annal. I. 289.)

1. T. (*Sectio??*) CONFERTIFOLIA Stuedel mss. ex A. Rich. Tent. II. Abyss. I. 263. f — Foliis eglandulosis longe petiolatis obovali-oblongis, apice obtuse acuminatis, basi sensim angustatis integris glabriusculis, in nervis praesertim subtus puberulis, petiolis subtomonosis ferrugineis; racemis folio brevioribus subarifloris; calycis tubo fusiformi glabro, limbo campanulato-patente[^] externe glabro, intus lanuginoso; fructibus .. • ? — In Abyssiniac prov. Tigre.
2. T. ERIANTHA Benth. in Hook. Kew gard. misc. II. 240. f — Foliis oblongis acuiusculis, basi longe angustatis, novellis ramulisque pilosis, demum glabratis: spicis rlongnislaxis; ovario ferrugineo -tomentoso, apice post anthesin truncato; calycibus utrinque dense villosis. — Folia 2—3-pollicaria, $\frac{1}{2}$ —1 poll. lata. — Habitat in Brasilia Paraëtisi.
3. T. *CCalabra* GLAUCESCENS Planchon in Hooker, Niger Flora pag. 336. f — **Foliis** sparsis longiuscule petiolatis ovali-ellipticis breviter supra acuminatis, basi obtusis vel inaequaliter acutis eglandulosis nitidis, subtus glaucescentibus; drupa samaroidae glaucescente, ala longa apice retusa. — Crescit in Africa tropica occidentali.

6082. ASTOTFEISSIJS Wall.

(Wlprs. Rcpert. II. 63. — *Conocarpi* Sect. 2. 8t 3. DC. Prodr. III. 16.)

1. *A. LEIOCARPA Guill. & Perr. — Wlprs. Repert. II. 63. no. 1. — A. Rich. Tent, fl; **Abyss. I. 269.** — *Conocarpus parvifolius* Hochst. mss. — *Conocarpus Schimp*^{*1} Hochst. mss.

6086. POIVREA Comm.

(DC. Prodr. III. 17. — Wlprs. Repert. II. 64. V. 662.)

1. P. CONSTRICTA Benth. in Hooker, Niger Flora p. 337. f — Glabra, in infloresce^{^*} puberula, spinifera: foliis obovali-ellipticis vix acuminatis, basi obtusis; spicis br[<]cy^{if} bus simplicibus confertifloris; bracteis subnullis; calycis tubo adnato elongato, M^{*0} infundibuliformi supra basin in collum contracto; petalis cuncalo - oblongis, **extus** ^{*1} lous. — Crescit in Africa tropica occidentali (Nigritia).
2. P. CONFERTA Benth. 1. c. p. 338. f — Scandens glabra vel vix puberula spinifera: >J liis obovali-ellipticis acuminatis, basi obtusis; racemis brevissimis nullifloris in P^{fl}2 culam capituliformem confertis; floribus pedicellatis; calycis tubo adnato elongato. J» tubuloso-campanulato; petalis late ovatis glabris. — Crescit ia insula Fernando ^{r0.}

6087. COMBRETUM *Lbfl.*

(DC Prodr III 18. — Wlprs Report II 65 a 915 V 662, Annal I. 90)

Afnana

- 1 G. SCHIMPERIANUM A Rich Tent fl Abyss I 265 f — Foliis eglandulosis oppositis broiler petiolalis elhptico - lanccolatis acutissimis integns, superne hirilis, subtus ferrugineo -lomentosis, racemis simplicibus axillanbus pedunculatis folio brevioribus, calycis him limbo campnnulato-depresso, in denies 5 obiuos ldtos diviso, ffetalis rainimis oibicuhnbus concavis obtusissimis, margin c ciliais, fructibus , . . ' — *To-initiallatwta* Steud mss — In Abvssimac pio\ Semicnc.
- i C ADLNOGONIM bleudel mss ex A Rich 1 e 266. f - Ramulis glabns laevibu*, folns vix petiolalis oialihus acuminate miegns coidceis, utnnque glabns, subtus in angulo neivorum fo\colatis racemis simplicibus aggregalis ante foliationein enatis, feirugmeo-tomentosis, calycis limbo 4-dentato dentibus acutis, ferrugineo - tomentosis pelilis obovali-obloneis obtusis lutcis fructibus * — In Abyssinia prov kcmicnc
- J C. QL VRIIMAMJM A Rich 1 c f — Rimulis glabns fohis longmscule petiolalis ovah-oblongis aut elhpticis, acuminatis, utnnquo glabns, membranaceis, in axilla ncnorum hirsuto - foveoluti* r#cerais cum foliis contcmpraneis. folio brevionbiib fen ugeneo - tomenlosis calyce ferrugineo - tomenloso petalis suborbiculunbus obtuse fiuctibus — Habitat in Abyssinia in convalle fluvn Taccaze.
- 4 G PINCTVTUM A Rich I c f- to) us brevisbime petiolalis elliptico-oblongis lanceoluis acuinatib, integris, suporne subtusque lepidoto - punctotis, racsnis axillanbus Uonbus . fiuctibus obiongis basi apiceque obtusis, apice subemarginatis el subapiculaiis punctatis — In Abjssinia circa Adderbati
- 5 C RUPPELLIANUM A ftich 1 c 267 f — Ramulis feirugineo-tomentosis, folns ellipticis acuminatis basi oblusis, brevissime petiolalis. superne pubentibus, subtus feiruginco-pubenibus racemis axillanbus folio breuonbus, fructibus obiongis quadn-~~alatis~~ in disco subferrugineo-hirilis — *C Teticulaltim* Fresen. (nee Prsl.) — In ~~Abjssinia~~
Abyssinia
- b (rRERUGINEUM A Rich 1 c f- — Folns bieivissimc petiolatis elliptico-oblongis acuminaiis, superne punctato - cinereis, subtus ferrugineo - tomeniosis rdiculrUs, floribus >, fructibus obiongis obtusissimis quadnalatis ferrugineo - tomentosis. — Habitat in Abjssinia prope Selassaquilla.
- C LLPIDOTUM A Rich I c 268 f — Ramulis jumonbus lepidoto-ferrugineis. foliis ^x petiolatis ovali - obiongis aut ellipticis acuminatis magnis, basi rotundatis, ^uperne glabns subgluimosis, subius tenuitei TOMOSO - reticulatis lepidoto-ferrugineis: racemis nxillmibus (^—3) folio multo brevioribus glutinosis laxifloris, flonbus pedicelloUs lepidoiis, calycis Jimbo campanula to, lobis erectis, petalis minimis sessilibus crassis concavis obtusis, margine ciliatis. fructibus obiongis enguetis, 3—4-aJatis lepidous. — t *glulmosum* Hochsl mss (nee Guill tt Perr) — In Abyssinia provioda Semie'ne
- 8 C PCITIANUMA Rich 1 c 268 + lab 49 — Ramulis leretibus pubeotibus, folns vix petiolatis ovali-obiongis acutissimis, basi rotundatis. superne (nisi in nervo medio) elabris, subius tenuiter reticulato-venosis lepidous. racemis simplicibus axillanbus ferrugineo-hirtis. folio multo brevioribus. calycis limbo 4-lobo, explanato villosa, petalis luteis parvulis subquadrato - obcordatis, margine ciliatis, fructibus suboibicula-^rbus tetragoms quadnalatis puoctato-lepidotis. — In Abyssinia distr Choa
- 9 C. PUSCUM Planohon in Hooker, Niger Flora 339 f — Scandens inerme ramulis m-florescentiaque ferrugineo - puberulis. folns oppositis obiongis ellipticisve, breviter Qcummatis, basi rotundatis, demum glabralis, spicis bievibus densis pamculatis, bracteis minimis calycis limbo tubuloso - campanulato, petalis spathulatis limbo calycioo plunes brevioribus — Grescii in Sierra Leone

10. C CUSPIDATUM Planchon 1 c. 340. f — Scanden⁹ inermis ramulis inflorescentia- que fenugineo - puberulis foliis oppositis ovali-ellipticis acuminatis, basi rotundatis, demum glabris, spicis paniculatis, bracteis minimis calycis limbo cyathiformi minuto dentato, petalis orbiculatis concavis integerrimis, limbo calycis multo brevioribus. — Crescit in Siena Leone
11. C GLOMERULIFORMIS Sonder, Linnæi Will 42 f — Ramis membris patentibus glabris, ramulis tenuissime pubescentibus foliis oppositis petiolatis ellipticis. basi apiceque aculis integerrimis, supra glabris, subtus pubescentibus, spicis axillaribus solitariis subcapitatis densis, folio brevibus. ovatis. octandris, calycis campanulati dentibus obtusis ciliolatis petalis spatulatis glabris (filamentis insertis — Port Natal
12. G GULINZII Sondei 1 c 43 f — Inermis ramulis teretibus velutinis foliis oppositis breviter petiolatis ellipticis obtusis acutiusculis aut obtusis mucronatis mucronatis mucronatis, basi saepe subcordatis, junctibus utrinque adpresse pubescentibus, adulescentibus glabris, subtus ferrugineis lepidulis reticulato-venosis. spicis axillaribus glabris folium ituduntibus!) rachis calycibusque pilosis limbus octandrus bracteatis petalis baibalo-cilicilis, fructibus subpedicellatis ellipticis 4-angulis, alis nitulis scanosis, compositis laniculis loricatis subhirsutis — Port Natal
- 13 C HOI OSLRKLIM Sonder 1 c 44 f — Aiboesctus inermis ramulis teretibus, laxis spicibus liliaceis foliis oppositis breviter petiolatis late ovatis subcordatis acutis integerrimis, utrinque helvolo-velutinis, spicis axillaribus solitariis folio brevibus ovatis octandris nunc cuneiformi, petalis obtusis ciliatis, fructibus subsessilibus ellipticis 4-angulis alis semiovatis pubescentibus, corpore lanceolato bifido loricatis — In Promontorio bonae spei (Magalisberg)
- 14 C APICLLATIM Sonder I i f- Liectum inermis ramis raraulisque glabris, foliis oppositis breviter petiolatis ellipticis oblongisve recurvato- apiculatis, utrinque glabris lepidotis infuscantibus sublucidis Inermis spicibus axillaribus solitariis folium aequantibus glabris foliis octandris, rachibus campanulatis, petalis barbato-ciliatis, fructibus longiuscule 4-angulis, basi apiceque submarginatis, alis semilunatis nitentibus glabris, corpore oblongo-lanceolato lepidato loricatis. — In Promontorio bonae spei (Magalisberg)
- 15 G /LYHCR1 Sondei I c 46 f — Aiboeum inermis ramulis junctibus petiolisquo velutinis foliis oblongo-ellipticis obtusis submarginatis glabris reticulato-venosis, supra lucidis, spicis axillaribus solitariis Aeluis, foliis bracteatis, calyce campanulato petalis unguiculatis glabris, staminibus octo, lanis 12 vel 16 fructibus maximis pedunculatis 4-angulis ellipticis subrotundis utrinque emarginatis glabris, alis semiorbiculatis nitentibus, corpore oblongo-lanceolato duplo loricatis — In Promontorio bonae spei (Magalisberg).
- 16 G RIPARIUM Sonder 1 c 47 f — Lice turn ramulis pubescentibus, foliis oppositis breviter petiolatis oblongo-lanceolatis acuminatis, basi angustatis glabris, subtus reticulato-venosis, in nervis pubescentibus racemis axillaribus solitariis fructibus pedicellatis 4-angulis ellipticis, alis nitentibus semilunatis glabris, corpore lanceolato pulverulento loricatis — In Promontorio bonae spei (Magalisberg)
17. *C SALICIFOLIUM E Meyer mss cs Sonder Linnæa XXIII no. 47 — *Dodonaea Caffra* Eckl ft Zejh — Wlprs Repert I 421 no 2 — *Dodonaea conglomerata* Eckl. & Zejh — *Dodonaea dubia* Eckl ft Zejh

** *Ameucana*.

- IB *C GUIANENSIS Miq — Wlprs Repert. II 66 no 19. — Miq. Stirp Surinam select.
⁶² t — *C punctatum* Steud. — Wlprs*. Repert V. 662. no. 2
19. *C. OBTUSIFOLIUM Rich. - DC. Piodr. III. 19. no 10. - Miq. 1. c. 63. f tab. 16.

Ordo LXXIX. VOCHTSIACEAE Mart, *sf* Zucc.

(Wlprs. Repert. II. 69. & 915. V. 663, Annal. I. 290. — *Vochysiae* St. Ml. — DC. Prodr. III. 25.)

6068. AMPHIOCHIA Mart.

(DC. Prodr. III. 26. — Wlprs. Repert. II. 915.)

1. A. MARINATA Miq. Linnaea XXII. 796. *f* — Ramulis glabris; foliis modice petiolatis ovato-ellipticis ovatisve obusis vel obtusiusculis coriaceis, supra in costae basi petioloque anticae parce pilosulis glabrescentibus, subtus glaucis, venis densis pluribusve subpatulis prominulis, marginibus leviter incurvis (in sicco) aureis; racemi spicati aii tetragono bisulcato, glabro vel subbiseriialiter pilosulo, pedicellis oppositis brevissimis hirtellis; sepalis 2 exterioribus ovato - rotundatis, extus tenere pilosulis ciliatis, lateralibus oblongioribus dorso pilosioribus, supremo majori oblongo truncato sericeo, basi gibboso; ovario dense hirtio, stigmae capitellato. — Crescit in Brasiliae provincia Bahia.

6071. VOCHYSIA Juss.

(DC. Prodr. III. 26. — Wlprs. Repert. II. 69.)

- * V. ARCUATA Grke. Linnaea XXII. 58. *f* — Foliis ternis breviter petiolatis oblongo-ellipticis, basi obusis, apice breviter obtuse acuminatis, utrinque glaberrimis lutescenti-viridibus opacis; racemis axillaribus arcualis densifloris; pedicellis unifloris, sub lente minute pubescentibus; floribus glabris; capsula trigona glabra. — Crescit in sylvis Surinamensibus prope Beckhuizan.

Ordo LXXX. RHIZOPHOREAE R. Br.

(DC. Prodr. III. 31. — Wlprs. Repert. II. 70. V. 664.)

6099. CERIOPS Am.

(Wlprs. Repert. II. 70.)

1. C. FORSTERIANA Blume, Mus. bot. Lugd. Bat. p. 143. no. 323. *f* — Foliis obovatis v. obovalibus obtusissimis, saepe retusis tenuissime venoso-striolatis; pedunculis petiolum fere adaequantibus paucifloris; petalis e nervo medio flabellato-nervosis, margine supra basin plicatis, apice selis 3 clavalis, segmentis calycis in fructu palulis. "*Mangium caryophylloides terlia Rmph*, Hb. Amb. III. 119? — Prope Singanoli ~~§j m o.~~
- * C. ZIPPELIANA Blume l. c. no. 324. *f* — Foliis obovatis v. obovalibus obtusissimis, saepe retusis subaveniis v. subtus tenuissime venosis; pedunculis brevissimis pauci-

floris; laciniis calycis in fructu arrectis. — *Ihizophora glomerulata* Zipp. — *Rh. Candel Blanco*, Fl. Filip. (edit. 1.) 396. — In palustribus maritimis Archipelagi Indici, Moluccarum, Novae Guineae etc.

6101. **BRUGCLERA** Lam.

(Wlprs. Reper. II. 70.)

1. BR. CAPENSIS Blume, Mus. bot. Lugd. Bat. p. 137. no. 315. f — Foliis oblongo-lanceolatis, utrinque angustatis; calycis tubo ecostato, limbo 11—13-fido; petalis basi lanalis, secus marginem pilosis, laciniis acutis apicem versus 2—4-sclulis cum sela longiuscula in sinu; radícula germinantiae cylindræca oblusa obsolete sulcata. — *Dr. gymnorhiza* Drege mss. (nec L.) — In Africa australiori.
2. BR. WIGHTII Blume 1. c. p. 138. no. 316. f — Foliis elliptico-oblongis, utrinque acuminatis; calycis tubo ecostato, limbo 10—14-(saepius 12-)fido; petalis ima basi lanalis alioquin glaberrimis. laciniis acutis, apice bisclulis cum seta longiuscula in sinu; radícula germinantiae fusiformis lacvi (?) — *Dr. Jihecdii* Wght. Icon. tab. 239. A. (nec Bl.) — *Dr. gymnorhiza* W. & Arn. (ex p.) — *Uhizophora gymnorhiza* Rxb. Flor. Indie. II. 460. (excl. syn.) — In Archipelago Indico.
3. BR. RHEEDII Blume 1. c. no. 317. — Foliis elliptico-oblongis, utrinque acutis v. subacuminatis; calycis tubo ecostato, limbo 11—13-(saepius 12-)fido; petalis basi hirsutis, secus marginem parce pilosis, laciniis obtusiusculis apice trisclulis cum sela longiuscula in sinu; radícula germinantiae cylindræca obtusiuscula sublacvi. — *Candel Rlieede*, Hort. Malab. VI. 57. tab. 31. 32. — *Uhizophora gymnorhiza* Linn. — DC. Prodr. HL 33. — In Malabaræ et Sumatræ oris.
4. BR. RUMPII Blume 1. c. no. 318. f — Foliis elliptico-oblongis v. oblongo-lanceolatis acuminatis basi acutis v. subacutis; calycis tubo superne obsolete costato, limbo 11—13-fido; petalis margine a basi ad apicem fere hirsutis, laciniis obtusis apicem versus setis 3—4 anfractis cum seta recta in sinu; radícula germinantiae fusiformis sulcata. — *Br. gymnorhiza* Lam. — *Ihizophora polyandra* Blanco, Flor. Filip. 396. — *Dhizophora gymnorhiza* Lour. — *Mangium celsum* Rmpb. lib. Amb. HL. 102. tab. 68. — Per totam Asiæ tropicam.
- §. BR. ZIPPELII Blume 1. c. p. 139. no. 319. + — Foliis ellipticis v. oblongo-ellipticis acuminatis, basi acutiusculis, margine subrevolutis; calycis tubo superne obsolete costato, limbo 10—14-(saepius 13-)fido; petalis....; radícula germinantiae cylindræca obtusa lacvi. — (3. *oblongifolia*.) — In Nova Guinea.

6101/., **KANIIIA** Blume.

(Blume, Mus. bot. Lugd. Bat. p. 140.)

Calyx tubo clavato, cum ovario connato, limbi octofidi laciniis tubo brevioribus. Pelala 8, annulo carnosissimo summo calycis tubum vestienti cxtus inserta, ejusdem laciniis allerna, biloba, convoluta, apice setigera. Stamina 16, disco inserta, petalis geminalim opposita, alternatim breviora, filamenta filiformia, antherae cordato-ovalae, introrsae, dorso supra basin insertae, filamentis breviores biloculares, longiludinaliter dehiscentes. Ovarium inferum, 2—3-loculare, loculis 2 - OYulatis. Stylus filiformis, stigmatibus bi — tridentato. Fructus coriaceus, cylindricus, calycis limbo coronatus, apice baud exserto seminis inversi mox germinantis radícula elongata perforatus. — Arbusculæ Asiæ tropicæ habitu Bruguiærarum.

1. K. PARVIFLORA Blume 1. c. no. 320. f — Foliis oblongis lanceolatisve obtusiusculis* basi angustatis; pedunculis 3- vel cymoso-multifloris; calycis tubo costato, limbi laciniis brevibus lanceolatis acutis in fructu erectis; ovario 3-loculari; radícula germinantiae cylindræca obtusiuscula. — *Bruguiæra parviflora* W. & Arn. Prodr. I. 311. —

Rhizophora tinctoria Blanco, Flor. Filip. p. 394. — *Uh. parviflora* Rxb. Fl. Ind. H. 461. — *Rh. cylindrica* Kxb. bot. Bengal. 36. — Per Asiam tropicam.

2. K. CARYOPHYLLOIDES Blume 1. c. p. 141. no. 321. f — Foliis ellipticis vel elliptico-oblongis. utrinque acutis: pedunculis petiolo brevioribus 1—3- vel cymoso-5-floria; calycis tubo cosiato, limbi laciniis linearibus acutiusculis lubo paulo brevioribus, in fructu reflexis, ovario 2-loculari; radícula germinante clavata oblusiuscula. — *Rhizophora caryophylloides* Burin. F. J. Ind. 109. — DC. Prodr. H. 32. — *Bruguiera caryophylloides* Blume, Enum. 93. — *Bruguiera cylindrica* Griseb. — Per Asiam tropicam.

6102. CARAIILIA Rxb.

(DC. Prodr. H. 33. — Wlprs. Repert. II. 71.)

1. C. TIMORENSIS Blume. Mus. bot. Lugd. Bat. p. 128. no. 301. f — Foliis elliptico-oblongis vel obovato-oblongis, utrinque subacutis integerrimis membranaceis, subtus impunctatis, lalitudine duplo longioribus. — In sylvis insulae Timor.
2. C. CUSPIDATA Blume 1. c. p. 129. no. 303. + — Foliis oblongo-lanceolatis, utrinque acuminatis subcoriaceis obsolete obtuse serrulatis subcoriaceis, subtus punctatis, lalitudine 2—2½-plo longioribus. — In Borneo.
3. C. CONFINIS Blume 1. c. no. 301. f — Foliis cuneato-oblongis vel oblongis vel oblongo-lanceolatis acutis vel acuminatis, ad basin fere usque argute serrulatis subcoriaceis, subtus punctatis, lalitudine 2¼-plo longioribus; ovario 4-loculari. — (*S. pauciflora*: foliis laevioribus acutis, rarissime obtusis vel retusis; corymbis brevioribus bifidis paucifloris. — Borneo.)
4. C. SYMMETRICA Blume 1. c. 130. no. 305. f — Foliis obovatis obtusiusculis vel acutiusculis, a medio ad apicem crenato-serrulatis coriaceis, subtus punctatis, lalitudine fore duplo longioribus; ovario semiinforo 4-loculari. — *Symmetria obovata* Blume, Bot. J. p. 111. — In sylvis montanis Javae insulae.
5. C. CELEBICA. Blume, Mus. bot. Lugd. Bat. p. 131. no. 307. + — Foliis ellipticis, utrinque subacutis, infra medium ad apicem usque obtuse serrulatis membranaceis, subtus punctatis, lalitudine duplo longioribus; corymbis bifidis paucifloris; ovario 4- rarissime 5-loculari. — In sylvis insulae Celebes.
6. C. MULTIFLORA Blume 1. n. no. 308. + — Foliis ellipticis. utrinque acuminatis, infra medium ad apicem usque obtuse serrulatis coriaceis, subtus punctatis, lalitudine duplo longioribus; corymbis dichotomis multifloris; ovario 4-loculari. — Borneo.

6102A. CRATROCISMUS Blume.

(Blume, Mus. bot. Lugd. Bat. pag. 126.)

Calyx inferus, quadripartitus, persistens, laciniis ovatis, praefloratione valvatis. Petala 4—5, sub disco perigyni octo—decernrenati margine inserta, calycis laciniis aeterna, unguiculata, apice pinnatifida-lacera, ante anthesin involuta. Stamina 8—10, cum petalis inserta, filamenta subulato-filiformia, incurva, allerna breviora, antherae subglobosae, introrsae, dorso insertae, bilocularis, longitudinaliter dehiscentes. Ovarium ovoideo-globosum, quadri-sexsulcalum, 4—6-loculare. Ovula in loculis 4, campylotropa. Stylus brevis. Stigma peltatum, quadri-sexpartitum, laciniis linearibus, stellato-recurvis, apice emarginatis. Bacca pisiformis pulposa, 4—6-locularis. Semina in loculis 2—3 v. abortu solitaria, oblonga, compressa, testa crustacea, rugulosa.

Embryon in axe albuminis carnosii teres; cotyledonibus seraiiteretibus, radícula supera paullo brevioribus.

1. G. AXILLARIS Blume. Bijdr. 219. ft Mus. bot. 127. no. 298. ff. — Foliis elliptico-oblongis vel oblongo-lanceolatis, utrinque angustatis integerrimis vel ad apicem remote serrulatis; pedunculis petiolum fere adaequantibus; stylo crasso. «tigate sex-rarius quinqueradiato. — (5. *parvifolia*: — In insula Java et in adjacentibus.
2. G. DRYPTOPETALUM Blume 1. c. no. 299. + — Foliis ellipticis vel oblongo-ellipticis breviter acuminatis, basi acutiusculis, a medio ad apicem remote serrulatis; pedunculis petiolo brevioribus; stylo filiformi. «tigate quadri- vel quinqueradiato. — *Dryptopetalum conaceum* Arnott. — Walp. Rep. bot. 11.71. no. 1. — p. *lanceolata*: foliis lanceolatis, utrinque angustatis. — In Archipelago Indico.
3. G. MICRANTHA Blume 1. c. no. 300. f — Foliis ellipticis vel oblongo-ellipticis utrinque subangustatis remote serrulatis; floribus in tuberculis subsessilibus; stylo brevi, «tigate quinqueradiato. — (S. *tuberculata*: foliis lanceolatis vel oblongis. — In insulis Borneo et Sumatra.

6104. CASSIPOUREA *Aubl.*

(DC. Prodr. III. 33. — Wlprs. Repert. II. 71.)

1. C. AFRICANA Benth. in Hooker, Niger Flora 341. f — Glabra: foliis obovato-ellipticis oblongisve, apice rotundatis vel brevissime obtuseque acuminatis integerrimis vel pauciserratis coriaceis. — Crescit in Africa tropica occidentali (Nigeria).

6104A. AIVISOPHYLLIUM *Don.*

(Don in Hooker, Niger Flora 342.)

Calyx liber vel basi breviter adnatus cyathiformis quadrifidus, lobis aestivatione valvatis. Discus carnosus fundum calycis occupans, inter stamina et ovarium glandulosus. Petala 4, Jobis calycinis alterna, disco inserta, biloba, lobis laciniato-fimbriatis, laciniis subulatis apice inflexis. Stamina numero petalorum dupla, disco inserta, antherae versatiles biloculares, loculis longitudinaliter dehiscentibus. Ovarium trilobum triloculare, in speciminibus semiabortivum. — Frutices vel arbores: foliis stipulatis alternis integerrimis coriaceis, quinquenerviis; floribus secus pedunculos supra-axillares sessilibus parvis.

1. A. LAURINUM Don 1. cit. p. 342. f — Foliis quinquenerviis; spicis ebracteatis. — Crescit in Sierra Leone et Senegambia.
2. A. ZEYLANICUM Benth. in Hook. 1. c. 343. adn. — Foliis fere a basi quinquenerviis spicis tenuiter bracteatis. — In Zeylania.

Ordo LXXXI. OENOTHEREAE *Endi*

(Wlprs. Repert. II. 72. tt 915. V. 664, Annal. I. 290. — *Onagrariae* Juss. — DC, Prodr, III. 35.)

Tribus L *JUSSIEUEAE* DC.

6109. *JUSSLEITA* *Linn.*

(DC. Prodr. in. 52. - Wlprs. Repert. II. 72. V. 664. Annal. I. 290.)

- 1- J. RIGIDA Miqu. Stîrp. Surinamens. select. 58. f — Suffruticosa simpliciuscula: ramulis, foliis calfcibusque tenerrima pube conspersis; foliis sessilibus, infimis lanceolatis, reliquis lineari-lanceolatis acutis, basi obtusis, rigide coriaceis nit id is. costa crnssa, vonis arcunto-patulis prope marginem unitis prominulis; pedunculis axillaribus solitariis folio Vi brevioribus, apico bibracteolalis; bracteolis lanceolatis; calycis tubo obconico subtelnrgono lobos lanceolatos circiter aequante; capsula obconica quadri-nervia. — Crescit in Surinam, districtu Onoribo.
- 2- J. ALULIGERA Miqu. 1. cit. 60. f — Fruticosa glabra: ramulis angulatis strintfs subulatis; foliis peiolatis bnceolatis, utrinque attenuatis memhranaceis, glabris praeter marginem sub lenle puberulum; floribus axillaribus pedunculalis ebracteolalis; calycis tubo angusto anguste penlaptero lobos laio-lanceolatos acutos herbaceos quinquener-vios superante; capsula pentaptero-angulata in pedunculum vulgo b rev cm attenuata. — Crescit in Surinam in regionibus juxta flumen Commowyne inf.

t Icon addenda.

- J. AFFINIS DC. 1. c. 53. no. 6. — Miqu. Stîrp. Surinam, select. 59. f tab. 15.

6110. *L.UBWIGIA* ftrft.

(DC. Prodr. III. 58. — Wlprs. Repert. II. 74, Annal. I. 291.)

- * L. STAGNATILIS Hance, Pl. nov. Austr. Chin, diagn. ined. p. 12. — Herbacea erecta; radice fibrosa; caule crassiusculo tetragono glabro. secus angulos setulis uncinulalis viⁱ conspicuis subaspero; ramis divanctis; foliis alternis lanceolatis oblongo-lanceo*¹ vel lineari-lanceolatis glaberrimis lucidis, raargine subtilissime ciliolatis acutius*¹ culis, basi in peiololum lamina 3—4-plo brevior angustatis; floribus axillaribus solitariis sessilibus llavis; calycis segmentis lanceolatis per[^]stentibus; petalis ellipticis; staminibus post anthesin ad basin filamentorum solutis stigmati capitato ope omhcrarum adhaerentibus; capsulis clavato-oblongis tetragonis, medio bibracteatis, disco brevissimo vi*¹ Pyramidato superatis. — In aquis ins. Hongkong Sinarum. — Folia (incl. peiol.) ^/a—3 poll, longâ. — Tix ac ne vlx distinctionem validam inter *Ludwigiam* et *Isnardiam* Aperies.
- ? - I. ABYSSINICA A. Rich. Tent. fl. Ahrssinic. I. 274. — Caule erecto 2—3-pedali ra-[^]oso tereti glabro; foliis aliernis petiolatis oblongo-ellipticis, utrinque acutis. mar-[^]tfne integris, yix subdliatis. caeterum glabris; floribus parvulis in axilla foliorum di-versiter aggloraeratis brevissime pedicellatis; tubo calfcino oblongo angusto, limbo[^] panito, laciniis semiovalibus acutis; petalis olovalibus obtusis limbum calycinum

paulisper supcrantibus; stammibus 4—5, limbum caljcis aequantibus; stylo brevissimo
olnerso conico; capsula elong.ua linean subtorulosa, limbo caljcino coronata. — Ha-
bitat in Abjssiniae prouincia Child.

3. *L. NATANS — Ell. Wlps. Report II. 78 no. 16 — Gray, Bosiuu journ. of nat. hist. VI.
190. — *L. jluitans* Scheel\ Linnaca XXI. 580. •)
4. *L. LINIFOLIA Poir. — Wlprs 1 c. no. 6. — p. *pubeiula* Engelm in Bost. Journ. V.
pag. 217. — Caule ramosissimo angulato foliisque junionbu* minulim puberulis, lobis
caljcis taangulan-lanceolatis acuininatis tubum aequantibus capsula elongato-lurbi-
nata subpedicellata dimidio brcMOiibus, petalis fla\is ton&picuis. — Hnbat in Texas.

f Icon addenda.

- L. (ISNARDIA DC. Piodr. III. 61. no. 12.) SPHAEROCARPA Ell. — Wlprs. Reper. II. 75.
no. 10. — Torr. Flor. of Ne* York I. 238. f lab. 29.

Tribus II. EPILOBIEAE Endl.

6113. SPHAEROSTIGMA Ser.

(Ser. in DC. Prodr. HI. 46. — Wlprs. Reper. II. 77.)

1. SPII. DIVARICATUM Gaj. Histona de Chile (Bot) II. p 328. f lab. 22. - Caulibus
glabrmsculis di\antatis foliis spalhulalis aut lincan-oblongis aequalibus obtusis. quan-
doque mucronulatis integer!nnis, in petiolum altenuatis, 4 tin longis, 1 latis, pel*
obovato-rotundatis submucronulatis, stamina duplo superantibus. — Habitat in Cbi*
le.

6114. REERIOIIX Eaf.

(Wlprs Reper. II. 79)

- I. *M. SERRVLATA Wlps. 1. c. no. 1 - *Oenothera wnitata* >uti - P- *pwj****
gehn. mss. ex A Gia; 1 c. 189. — Foll* angusiissimis fcie filifoinibu*. saepe 9*
culatis, margimbus reAolutis Intcgn, flonbu* maximis. — *Oe capilhtoha* Scheele,«
naea XXI 577. "j

*) Cauhs simplex lepens naians an.ulaius. apice gkibratus. Folia opposita.
ovala spatuldata in petiolum longe aicnuala mic^ra glahia acuta Flores
tarn ses>ilcs (aljci> tubus tmbinato-clindiaci*Ub bn'Ms gkiber, o\ano
lnnbus quadnparimis pprMstens, M'gmnia lalo o\ato-tii<mfulari>i acuminaia.
llaib obo\ato-spnhulifis duplo lou&ioia bumma 4, pelah &ubaequania. *Vj,
o\aiiae Slijus fliloimi^, deciduus, ^lgnla capitatum Cnp^no Inbiacleolaia.
c\liri(Inca leiiaagona qundn^ulcaia. apice uuncata quadiivahis, quadnlociliais
loculicide duhibcens Senuua o\alia utnnque convexa marginala niuda flave-
Crcsai in republica Texensi
A * pcrenni-> lictuosi lignota mullicops; caules fuikOsi nscendentes
>ni lopidon albidu. dense fono^i paunllon Folia fascuul
lineau pldon albidu. dense fono^i paunllon Folia fascuulaia scsbilin cloivata ag-
Integra, apice remote denticulata glnbrmsculn, imrgmo re^oluta acum
e^eicu Ovaua sc^ilia lineaiia c\lindrjLO-leiiairona cane^ceniia, caiJ
nervos c> fflabn tubus meinbianactis^luit sceis inluid.bulifoi mis 4-nervi
longa cs. i. e. s. lalos lineaiu* limbi .(ginonla tuhum acquantia uninenrvai
apice rotans! c^a uaiia, ca is ^ bow iDenkB lutea, transve.se laligra^cis segmen
aequaila, sogm.niis S duplo longioia S Stamina iraiter conton
Stylus eieciui n<> nepae lineaes m-dib nllse icraatile s
turae Irciae 5?M.u. i eimargmaro-bilobum, crenulat
projc racco-tetragonae appres^ uberulae. —

6115 OEIVOTHERA Linn.

(DC Prodr III 45 [e]cl sect IJ - Wlprs Repert II. 79, Annal. I 291.)

- 1 OE (*Pachylophis*) EMMFA A Gray, PI Fendler 45. no 228 - Subcauleacens foliis elongato-hnceolaiis maximis sinuito-pinnatifldis in petiolum atenuatis, ad margines cost mique dense villosis floras superantibus ovano sessili fusiforrai pluncostato secus costas munculo m tubum cihcis Jongis&imum patent! -piloMim (lacinus lanceo-...lla d*1 cannam VMIOSIS 5—6-plo longiorem) sensim ntenuatis — Crécit m Nova Mexico
- 2 OC (*Salpingia*) FENDLERI A Gnv 1 c no 230 f— Minutissime pulverulento - glandu-feru ghbra cnulibus e ndice lignosi decumbentibus lamis breMs adsurgentibus. joins lanceohtis oblongisvc sessilibus submtegemmis cahcis tubo apice mfundibu-an-inflnto. ovano pr^matico sessili hcmiisque tnangulan-lanceolalis cuspidalis 3^4-pio longiore petalis ihombeo-obovatis stylo paulo longionbus — Giescit m ^ova Mexico
- 3 Ot (*Salpugia*) GREGGII A Gray 1 c 46 adnot - Fruticulosa ramosissima erecta. unique minuiissime uscido - puberula folns parvis (3-6 lin longis) spathuiatis vel 0 nnnceohiis integerrimis sessilibus seu m petiolum pi m attenuatis flonbus par-vu." tuho cahcis apice brevier obconico fliformi ovario sextuplo tacimisque tnan-gulan-lanceolate cuspidatis, petala rhomboidea subaequantibus qmntuplo longiore. cipsula «essili oblongo-pnsmaica — Crescit in Mexico septentnoli
- 4 w (*CONagi a*) MACROSCELCS Asa Gra) PI Fendler 43 adn — Glabra ^aule graciti °ccto folns ciassiusculis laevibus dense ciliatis subintegemmis, radicalibus (7—12-unciahbus) spathuhto -lanceolalis, in petiolum longe atenuatis, cauhnis subsessilibus l mceohito-oblongis tubo cahcis praelongo (quingueunciali) gracili, ovario lineari quin-tllplo lacinus plus tnplo longionbus stylo petala dilatalo-cuneiforhwa aequante, sta-Wma superante stigmalibus praelongis — Crescit in Mexico septentnoli
- 5 °E (*lavaujua*) TRILOBi Autt — Wlprs Repert II 83 no 43 — A Gray, Boston journ ofnu hist VI 189 —Hook Dot Mag tab. 2566 — *Oe Roemntana* Scheele, ^mnaea |||| 15J •)
- 6 °E {(**aiuiopm*) CA>ESCENS Torr ft Fremond - Wlpis Annal I 292 no 5. — A Gray, PI Fendl 44 no 227 — *Oe guttulata* Geyer — Wlprç Annal. I 291. no 4
- 7 OG (*Sect dubwe**) UISCHsATA fccheele, Lmnaea XU 578 f — Radix fusiformis. Caulis h^rbneus dodi antnlis creclus a basi mmosus foliosus pubescens pilis albis ap< PR6SSIS Folla allcrni m peUolum, longe an^uslata integer) ima vel subrepanda obtusa aP'cuhti mflma oblonga glabraia, rtiqlua lineana utnnque pobescentia Floras mular sessi, et) Ov-arium obovato-oblongum tomentosum 8-cosiatum, tubum calycis ^-iormem tomenlosum subaequans Limbi segmenta semicordato-oblongu pubescentia -o:nreulrti lubo longioia Petala flava obovata 4 lineas longa, apice 3 lneas lata emarginat3 subci enulaia, basi multibtntata, nervis apice evamdis, segmeotis calyeims

ius*H A c?ull>> ptiennis radix fusifoinus hozizontalis folia petiolata glabra hinta, sub-
 go laiidiora glandulosa seigmnta lUcialii jnaeqnllia bonzontalia lanceolata vel oblon-
 knni lanceolatin wrogulanier aeniala acuta terminals magnum oato - oblonRum dentatum
 ovnr inatun. rhnchis deninta % peioli glabn compressi basi dilalati Flores radicales
 Torna sessil] a obovato - elliptica cnnesceniia. cahcis tubus clon^alus raembranaceus fli-
 rnis^4, aPpresse puberuluo, apice dilatalus segmentis calycirus ter longior, seementn
 nSKf ana lelhexa membranacea oblongo - lanceolaia glabia corniculala corollam aeañantia
 vi**a oio>vato-cu<ienta globernma apice truncala subdentculata stamina erecta corollin*
 kail-re VIOLA sulfim oequanim, fllaraenta glabra, anlhrae lutcae Versailles medio iC
 anrhJ Ino?IOs fl'us ore<ua ictrogonus. stigma ciucialim quadripanim lobi linèifè!
 b2r? r18 b1eije es Capsnh se^silis cartilaginea obovato-elliptica appresse HIB»n<?f tr
 eff. 3

* ^ K S t t

- longiora, stammibus duplo, stylo vix longiora. Antherae flavae medio affliae. Siliqua stamina superius incurvus globus, stigma uncinatum. Capsulae ... — Habitat in republica Texensi prope Houston
8. *OC (Sect dubiae) COQUIMRENSIS* Gay, Hist de Chile (Bot) II p 331 f — Subglabruscula caulibus firmis subdenticatis, supra parce villosis folus inferius angustalis, grosse denatis aut imbricatis lobis acutis, superius brevibus latis subcomplexicaulis, capsula cylindrica aut oblongo-cylindrica siliqua torulosa. — Habitat in Chile

6116. *ODETIA* E. Spach.

(Wlprs Rept. II. 87. fig 915)

1. **G. GAYANA* L. Spach. — Wlprs. 1. c. 88. no. 16. — Gay. Hist de Chile (Bot.) II. 340 f tab. 23

6118. *BOISDUVALIA* E. Spach.

(Wlprs Rept II 89)

1. *B. TOCORNALII* Gay, Hist de Chile (Bot) II p 344. f t 24. — Caule parum ramoso medio gracili, supra pubescente, folus acutis infra lineibus lanceolatis, saepe multigenis. floralibus villosis ovatis subduplicatis, parte clematis, petala unguiculata biloba; ovano calicis lobo subnullo breviter, capsula villosa subtrigona, 4 lineis longitudinalibus sulco - cinereis ornata — Habitat in Chile.

6121. *EPILOBIA* Linn.

(DC Piodr. HI 40 — Wlprs Rept II 90 V. 665)

1. *E. SCHIMPERIANUM* Hochst. mss ex A. Rich. Tent II Abyss I 272 — Caule ramoso tereti aut lineis prominulis longitudinalibus subangulato, ramulis pubentibus, folis oppositis subsessilibus, basi semiamplexicaulis ovali-oblongis acutis, margine subserratis, demum prominulis, apice incurvo-incurvatis, margine et in nervis pubentibus, lobis magis imbricatis solitariis sessilibus. sepals lanceolatis villosis; petalis oblongo-obcordatis, apice fissis capsulae gracilibus villosis sesquiuncialis pedunculatis — In Abyssinae provincia Ouodgerale
2. *E. FIBRIFLORUM* Steudel mss ex A. Rich 1 c 273 — Caule ramoso, lineis prominulis angulato, ramulis vix pubentibus, folus oppositis breviter petiolatis oblongo-lanceolatis acutis. margine distincte serratis, subtus in nervis et margine pubentibus, lobis axillaribus solnaris pedunculatis, sepals lanceolatis acutis pubentibus; petalis oblongo-obcordatis. apice bilobo-fissis capsulis biuncialis longe pedunculatis pubentibus — In Abyssinia provincia Semirne
3. *L. CORDATA* Linn. \ Hoch I c 274 tab 50 — Caule erecto robusto, obtuse angulato, -versus partem superiorem pubente folus. opposite sessilibus cordato-oblongis acutis, margine distincte serratis, subtus in nervis margineque pubentibus, lobis maximis axillaribus longe pedunculatis petalis apice longioribus obcordatis fissis; capsulis imbricatis dense glandulosis pubentibus — In Abyssinia

6122. *KALISCHIA* P,sl.

(Wlprs Rept. II. 93)

1. **Z. CALIFORNICA* Prsl. - Wlprs 1. c no 1 — Van Houtte, Flore des serres IV. tab. 404 — Morren, Ann. de la soc d'hortic de Gand IV 409. tab. 224 — Paxtoni Magaz. of bot. XV 196. (c 1843) — Hook Bot Magaz tab 44^3.

Tribus IV., *FUCHSIEAE* DC.6125. *FUCHSIA* Plum.

(DC. Prodr. III. 36. — Wlprs. Repert. II. 94. & 9J5. V. 666, Annal. I. 293.)

1. *F. NIGRICANS* Linden mss. in van floutte, Flore des serres V. tab. 481. — Paxton 8b Lindl. Flow. gard. I. 41. fig. 23. — Undique mngis minusve griseo-puberula: foliis ternis hie ellipticis ($1\frac{1}{2}$ —2 poll, longis) breviter peiolilis et acuminatis aculis integris, glandulis minutissimis margine obsilis; stipulis minutis sphacelatis; floribus ad apices ramulorum approximatis, singulis in axilla folii solitariis; pedicellis ovario* cylindraceo brevioribus; calycis tubo (supra ovarium) basi inflato, apice dilatato (8 lin. longo) laciniis triangulnri-semilanceolatas duplo superante, intus pubescente; petalis lanceolatis aculis, laciniis calycinas aequanlibus, acclivatione erectis, haud convolutis vix marginibus inter se teclis, atroviolaccis, dorso medio pilis brevibus paucis sparsis, caeterum glaberrimis; filamentis violaceis apice semigloboso albis, staminum longiorum petala stylumque aequanlibus; stylo inferne pilosulo; stigmate globoso quadrilobo. — Habitat in Venezuela.
2. *F. SPECTABILIS* Hook. Bot. Magaz. tab. 4375. f - Paxton, Magaz. of bot. XVI. 225. (c. ic.) — Van Houtte, Flore des serres IV. tab. 350. 360.— Ramis succulentis obtuse angulatis; foliis ternis amplis ovato-ellipticis petiolatis subacuminatis glanduloso-subdenticulatis ciliatis, subtus ramisque purpureis; pedunculis peiololum aequantibus solitariis unifloris; floribus intense coccineis; calyce subhypocrateriformi, tubo longo, basi inflato-globoso, laciniis ovato-acuminatis; petalis paucissimis subrotundis undulatis, segmentis calycinis brevioribus; ovario oblongo sulcato; stigmate magno 4-lobato. — Habitat in Peruvia.

t Icones addendae.

- ^p» *ARBORESCENS* Sims. — (DC. Prodr. III. 37. no. 5.) — Van Houtte, Flore des serres IV. tab. 416. 417.
- ^J» *BACCILLARIS* Wendl. — (Wlprs. Repert. II. 94. no. 4.) — Hook. Bot. Mag. tab. 4506.
- ^{SE}» *RATIFOLIA* RZ. & Pav. — (DC. Prodr. III. 39. no. 22.) — Van Houtte 1. c. V. tab. 447.
- ^L» *SPLENDENS* Zucc. — (Wlprs. Repert. V. 669.) - Van Houtte 1. c. V. tab. 458.
- ^{EN}» *USTA* H. B.Knth. - (DC. 1. c. 38. no. 13.) - Van Houtte 1. c. V. t. 538. — Paxton
« Lindl. Flow. gard. 1. 79. fig. 57.

Tribus VII. *GAUREAE* Endl.6131. *OAURA* Linn.^m (DC. Prodr. III. 44. — Wlprs. Repert. II. 96. V. 670.)

- * ^G» *UNDHEIMERI* Engelm. Bost. Journ. V. pag. 217. — (E. Rogel. Flora [B. Z.] XXXII. P. 183.) — perennis erecta virgato-romosa strigoso-pubescentis vel hirsuta; foliis inflatis spatulatis lyrato-pinnatis? sinuatisve. caulibus sessilibus lanceolatis aculis sinuato-dentatis vel undulatis. supremis plerumque integris; bracteis ovato-lanceolatis acuminatis scariosis enducis; calycis tubo ovarium sessile aequante, segmentis (in alacasiro hirsutis) multo brevioribus; petalis 4 spatulato-rhomboides breviter unguiculatis. Ubascedentibus, staminibus 8 styloque deflexis paulo brevioribus; nuce tetraquetra

circumsciptione ovali, utrinque acuta, faciebus usque ad medium caninato-cosiaus feie laevigulis — Habitat in America boreali.

- 2 6. *HISPIDA* Benth. Plant. Hartw. 288 no 1602 — Piliis patentibus hispida* foliis oblongo-lanceolatis linearibusve sinuato-dentatis subintegerrimis, spicis pedunculatis elongatis laxifloris, bracteis ovato longioribus, calycis tubo hinc usque subacquilongis ovato vix longioribus, pedicellis ovali-oblongis breviter stipitatis — Caules basi ramosi ascendentes, in specimine meo juniores somipedales Pili albididigidi patentis, in ramis et versus basin pedunculorum longi et copiosi, ad folia breviores et sparsi, in spica calycibusque pube adpressa canescentibus emitti Spica semipedalis, incluso pedunculo bipollicari In flore nuper aperito ovarium anguste lineariter. 4 lin longum. calycis tubi pars libera ovato ciliata, 5 lin longa. laciniarum 4. reflexarum anguste linearis, 5 lin longae Petala calyce breviora Antherarum 8, linearis, filamentis acquilongis, petala paulo superantes sed calyce breviora Stylus nunc dilatatus. stigmata fert 4, eiccto - potentia ciliata oblonga Ovula quatuor, versus medium ovam funiculis longeaequilongis suspensa Species fructu ignoto vix rite definita, atamen certe ab omnibus jam descriptis distincta — Crescit in aëre circa Leon in Mexico
- 6 6 *ROEMERIANA* Scheele, Linnæa XXI 579 f — Suffruticosa radix lignosa multiceps, caules umperiales ascendentes foliosi dense pubescentes canescentes ramosi, inferne teretiusculi, superne angulati Folia numerosa sparse subsessilia mucronata, utrinque pubescentia, caulina oblongo-lineariter sinuato-dentata, ramea lineam remote lepidodenticulata Spicæ terminalis eicciae multiflorae densae. Bracteae persistentes imbricatæ ovato longioribus (hæc pedunculata canescentia tritragona oblonga. apice attenuata, tubo canescenti breviora pedunculi incrassati Calycis segmenta lanceolato-subulata, intus glabra, extus pubescentia tubum anguste infundibuliformem subaequantia Petala 4 ovato-spathulata gibba purpurea unguiculata, gemmalibus et calycis segmentis breviora, unguis lamina brevior Stamina 8 cretiuscula, stylo breviora, antherarum medio affixae lineariter cristatis Siliqua glaberrima dehnata, apice incassatus. stigma quadrifidum, lobi oblongi — Fructus maturus. ? — Crescit prope Cuba in republica Texensi
- 4 *G. HIRSUTA* Scheele 1 c, 580 f — Caulis herbaceus acutidens*, sparse lamosus 1—1½-pedalis luisulus pilis albis horizontaliter patentibus caulis diametrum arquantibus vel superantibus, apice Oculis pilis brevibus appressis vestitus Folia subsessilia oblongo-lanceolata, inferne denticulata mucronata, utrinque angustata. margine nervo appresse pilosa. Spicæ graciles pauciflorae et laxillorae Bracteae oblongo-lanceolatae hirautae, utrinque tetracolum subaequantibus Calycis tubus oblongo-cylindricus appresse pubescens, ovato longior, segmenta 4—5 longe ciliata subaequantibus Petala spatulata breviter unguiculata purpurea, gemmalibus et calycis segmentis breviora Stamina 8 dehnata, antherarum linearis Stylus declinatus flexuosus stamina superans, stigma quadrifidum, lobi oblongi Fructus bicostatus pedicellum ovato-pyramidatum quadiangulariter (4-costatus, costae caninatae appresse pilosae unguis 4 secundarius interpositus — Crescit in republica Texensi, in partibus inter Bastrop et Austin.
- 5 *G. SUFFULTA* Engelm mss ex A. Gray, Boston Journ of nat hist VI 190. f — Annua caule 1—2-pedali pilis longis patentibus baibato - villosis. ramulis floriferis cum floribus bracteisque glaberrimis, foliis pilosiusculis glaberrimis lanceolatis, utrinque attenuatis repando-subdentatis. inferioribus oblongo-lanceolatis petiolatis, floribus 4-meris 8-angulis, bracteis oblongis ovato longioribus et basi breviter peibistentibus caducis, rariore ideoque squaroso-dentata, tubo calycis ovario longiore, segmentis brevioribus, nunc sessilibus alaiotetraquetra ovato-pyramidata glabra, faciebus concavis unicosiatis laevigatis gang aut basi parvo subtuberculatis. — Crescit in republica Texensi ad Neubraunfels*
6. *G. LONGIFLORA* Spach. Nouv. Ann. de Mus IV. 390 f — Engelm 1 c. V. 244. * Etata. pilis brevibus* undique canescenti-puberula. caule erecto paruculato-ramosissimo*

simo folus laneohtis linc\ri-hnceohiis\c uinnquo ingustatis murranaio-acummatis, s| lsim it] in lo flonticuhis, rnncis mullo minoubus liuearibus inlcgeriimis spiu9 inmost 1 i\ill)ii> bi ictiM lincuibus dcciluis cahci* scgmentis tubum pltiuinque supci iniibus pculib spalhulatis longe unguicuhlis cal\cc et siaminibus brevionbus, nuco «?cssili o\an nncscnto 4-canmn ncms 4 intermodus Icviter notala — (Reper, II 97 no 6) — *Law a cxallala* Engclm mss — In America borcali.

Ordo LXXXII. HALORAGEAE *n Br.*

(DC Prodr III 65. [ex p J — Wlprs*. Reperl II. 98 ft 91b V. 671, Annal I 292)

6135 M\RIOPHYL.iiU^I *Yail*

(DC Prodr III 68 — Wlprs Reper II 98, Annal I 292)

- ¹ M VCRRUCOSUM Lmdl in Mitchell, Journal of tropical Australia pag 384 adnot — Folus suhmcrsis capilhcco-mulufldis emersis ternatim verlicillatis ovatis pinnatifldis, floubus oclindns fructibus tubeiculatis — Crescit in Australia onentali tropica
- [^] M PUSIIUM Bluine, Mus bot Lugd Batav p 111 no 261 f — Caule ramoso folus Aciticillalis Inlenoribus tenuiter pinmtiseclis, floralibus lmean-spathulatis a medio ad ipiceni pinnaufldis carpellis tuberculoso - aspens compressis doiso rolundatis — In aquis stagnantibus Arclupelagi India

6136 SERPICUIA *Linn.*

(DC Prodr III 65 — Wlprs Reper II 98, Annal 1.293)

- ¹ S EPILITIICS Blume, Mus bot Lugd Bat p 110 no 260 f — Folus sparjis lancoo-latis denticulatis, floubus masculis octofldns, — *Epiltthes coccinea* Blume, Bydr. p. 734 - Java

6137/, RTOIOHTECTES *R. Br.*

(Endl Gen pi Suppl II p 93 — Wlprs Reper V 671)

- ¹ M. PRMSSII N nb E in Lehm Plant Preiss II. i24 f — Folus pinnatifldis plams, laciDus linean-hnccolatis calloso-mucronatis — Herba facie *Anthemidis vulgarxs* — In M\ra Hollandia

6138 HLAJLORACTIS *Forst*

(Wlprs Reper II 99. ft 9f6 V 672, Annar I 203 - DC Prodr III 66)

- ¹ II GLAUCALindl in Mitchell. Journal of tropical Australia pag 91 adnot - Annua sancta glabernma glauca folus opposmš linean - oblongis obtusis petiolatis. grosse serruis racemis apice aphjllis. fructu globoso tuberculato laevi — Crescit in Australia onentali tropica
- ² H ASPLRA Lmdl m Mitchell 1 c p 306 adnot — Caule angulato, folus frueluque scabns folus alterms oppositisque lineanbus acutis, apico pinnaufldis flonbus distan-¹er spicatis monoicis pendulis. stigmalibus plumosis, fiuctu subgloboso. — Crescit >n Australia onentali tropica

6138A. CtOHTIOCARPITS *Koen.*

(DC. Prodr. III. 66. — Wlprs. Repert. II. 99. no. 10. 11. 12. 13.)

1. *G. (Apodogynus) PITHYOIDES* N. ab E. in Lehm. Plant. Preiss. II. 225. f — Foliis creclis confertis alternis lincari - fliformibus subterelibus carnosis setuloso - cilialis; floribus racemosis; racrao teiminali simplici compositove; calycis laciniis triangularibus planis glabris, mbo subgloboso hispido-cano octo-costulato; pctalis oblongis fornicato-cucullalis calyce iriplo longioribus, dorso hispidulis creclis; sligmaiibus 4 tuberculiformibus glabris. — In Nova Hollandia meridionali-occidentali prope Perth.
2. *G. MUCRONATUS* N. ab E. 1. c. f — Glaber: foliis suboppositis alternisve subulatis semieretibus carnosis caHoso-mucronalis; caule apice conmboso-ramoso, ramulis compressis; floribus in axillis foliorum superiorum fasciculatis (geminis ternisve) racemi simplicis foliosi speciem exhibenlibus; calycis laciniis triangularibus planis tuboque brevi obovato obtuse telragono glabris; pctalis oblongis fornicato-cucullalis cahec iriplo longioribus glabris crectis; sligmatibus 3—4 acutis sparse villosulis. — Habitat in Nova Hollandia ad fluvium Vasse river.
3. *G. CORDIGER* Endl. mss. ex N. ab E. 1. c. 226. f— Foliis erectis alternis lineari- fliformibus scmiterctibus carnosis cauleque subsimplici setulis sparsis hispidis; floribus racemosis; rncemis terminalibus pnniculis simplicibusque; calycis quadrifidi laciniis cordalis basi modio impressis glabris, tubo obconico octo-angulato; petalis obovatis fornicato-cucullalis carinn birsutis calyce duplo longioribus demum rellexis. — *Haloragis cordiyera* Fenzl. — Wlprs. Repert. II. 99. no. 6. — Hook. Icon. tab. 598. — In Nova Hollandia ad fl. Cygnorum.

Ordo LXXXI. LYTHRARIEAE *Juss.*

(DC. Prodr. III. 75. - Wlprs. Repert. II. 101 fit 916. V. 673, Annal. I. 294.)

6145A. aUARTIXIJL *Endl.*

(Endl. Gen. pi. Suppl. II. 94. — Wlprs. Repert. V. 673.)

1. * *QU. REPENS* Endl. in Wlprs. 1. c. — *Qui. turfosa* A. Rich. Tent. flor. Abyss. I. 277. t. 51. — *Jlhyacoplula repens* Hochst.

6146. AWBKAmU.IL *Houst.*

(DC. Prodr. III. 77. — Wlprs. Repert. II. 101 fit 916.)

1. * *A. LATIFOLIA* L.— DC. 1. c. 78. — Wlprs. 1. c. 102.no. 11.— A. Gray, Boston journ. ofnat. hist. VI. 188.— *A. stylosa* Fisch.— Wlprs. Repert. II. 102. no. 17.— *A. TexaiM* Scheele, Linnaea XXI. 588.)

Folii ? nulli in I. ssa: la' linef » lanceolala elongata uninervia integerrima, utrinquo flabra tinvi Sii' » oB1U80 cor daio-auriculala, inlernodiis longiora, summa acula, infima obtusa, Ptoisv' ASi' f gub8M81ca I - 4 - Bracieolao parvoe. Calyx campanulatus. * nerviui JiiKr a Si' 7 f gub8M81ca I - 4 - Bracieolao parvoe. Calyx campanulatus. * a fientM*^*^%) *TM^* **TM^TM* latiores iriangulareJ. sinus expansion corrua Paffi 4-1TM? obloil P o - lanceolata divaricala, dentibus longiora angustiora ODusioraque. Fetala purpurea cacfuca. Stamina 8 exserta stylum aequantia. Stigma ca-

2. A. ATTENUATA Hochst. mss. ex A. Rich. Tcnl. fl. Abyss. I. 278. — Caule erecto ramoso, dccurremnia foliorum subquadrialato glabro; foliis sessilibus lanceolatis angustis aculissimis, basi sensim attenualis dccurrentibus, integris glabris; floribus pedicellaiis in axilla foliorum aggregato-fasciculatis; calyce glabro turbinato 8-dentato, dcniiibus 4 mulio minoribus et exterioribus, dcmibus inlerioribus latis; corolla nulla * slaminibus 4 brevibus, vix limbo calycino longioribus; cnpsula globosa glabra apice apiculata tenui. — In Abyssinia in ripa fluvii Mareub crescit.
3. A. PUSILLA Sonder, Linnaca XXIII. 40. f — Annuā: caulo credo simplici quadrangulo glabro; foliis lanceolatis, basi auriculato-cordata sessilibus, subtus palJidioribus; corymbis axillaribus pedunculatis 3—7-floris bractcolatis; floribus tetrapetalis tetrandris. — In Proinontorio bonao spei locis paludosis.
4. A. ANAGALLOIDES Sonder 1. c. f — Caule herbacco humili, basi prostrato ramossissimo; ramis tetragonis scabriusculis; foliis oblongis acutis, superioribus oblongo-lanceolaiis mucronulatis, basi cordata sessilibus, utrinque hispidulis, demum glabris; floribus minutis subsolitariis breviter pedunculatis apctnlis telrandris glabris. — In Promomorio bonae spei locis paludosis ad Rhinosterkop.

6147. KTESABA *Commers.*

(Wlprs. Repert. II. 103. V. 674.)

- *• *N. VERTICILLATA H. B. Knth. — *Decodon verticillatus* EH. — DC. Prodr. III. 98. no. 1. — Torr. Pl. of New York I. 229. f tab. 28.

6149. IiYTHROE *Linn.*

(DC. Prodr. III. 80. — Wlprs. Repert. II. 103. V. 674.)

1. *L. ALATUM Prsh. — DC. 1. c. 81. — Wlprs. Repert. II. 104. no. 9.
p. *ovalifolium* Asa Gray, Boston Journ. of nat. bist. VI. 187. — Humile: foliis suborbiculatis et ovalibus, "floralibus oblongis calyce brevioribus. — L. *ovalifolium* Engcm. mss.
Y« *pumilum* Asa Gray 1. cit. — Foliis clliplicis oblongisve; caulibus spithamaeis.
§• *breviflorum* Asn Gray 1. cit. — Glabrum ramosissimum: ramulis angulatis; foliis linoaribus plerisque alternis, floralibus flores approximates 6-poialos 6-androi subaequantibus; calyce fructifero campanulato seu brevissime clavato subpedicellato; stylo incluso vel breviler exserto.
£. *UnearifoUum* Asa Gray I."cit. 188. — Caulibus ramosissimis; foliis linearibus plerisque alternis, floralibus calyci subaequnlibus.
- «• L. SAGITTAEFOLIUM Sonder, Linnaea XXIII. 41. f — Caule suffruticoro pubeacemi-scabro; foliis sessilibus erectis adpressis oblongo lanceolalis acutis, basi aagittatis, ^argine recurvis, supra scabris, subtus glabris; corymbis axillaribus pedunculatis folia superantibus 3—5-floris; floribus tetrapetalis tetrandris. pedicellis calycibusque puberulis. — In Promontorio bonae spei (Mngalisborg).
- 3« L. HIGIDULUM Sonder 1. c. 42. f — Caulibus basi suffruUciiosis, ramis foliisque oppositis scabriusculis; foliis sessilibus oblongo-lanceolaiis obtusiusculis, basi auriculato-cordatis; pedunculis axillaribus solitariis 1—2-floris folium subaequantibus bracteolato; calyce 12-striato; petalis 6; staminibus 12. — In Promontorio bonae spei (Anpijesrivier).

pitatum. Gansula quadrilocularis globosa glabra, calyce inclusa, npice loculicide dehis-cens, stylo coronata; stylus capsula sextuplo brevior; Scmina numerosa obovata, latere altero convexa, altero concava. — Crescit in republica Texensi in rivulo quodam propQ Neubraunrelg.

4. L. NOTURSDIFOUUM Hochst. rassa ex A. Rich Tent, fl Abjss. I. 280 — fœule lamoso diffuso reponic glabro tereti rami* tssui^entibus biculms, folii* opposite obcevali - suboibiculanbus MX petiolatis obtusi^imis incgris, Jnsi subLoidifoimihus flonbus axrilanbus solilnriis brevissime pedunculaiis folio longioihu*. bi-i hiluactoa-Us, caljcc lubuloso obcomco 5-dentito, dentibus ~~laks~~, marine membranacco-junclis petalis longissimis, stjlo petalis dimidio biCMon. — Hibiat in Abjssiniac piovmcia Semiene.

6150. PLEUROPHORA Don.

(Wlprs Report II. 105)

1. PL. PILOSIUSCULA Gaj, Hist, do Chile (Uot.) I[, pag. 373 — Hœrbocca pilosmscula* caulibus brevibus intermtis patulis, paum lamo&is loin* ad basin ulimsquo lamuli oppositis, basi attenuate otatis, raruus o\ato-hnceolatis, 5—6 lin. lon^ris, 3 hlia, floialibus <nolibus onahculaiis pilosiusculis, longe acununtis, spica ov\ta spinosa, flonbus mimis roscis, filaments 10, caJyce brcvionbus. — Habitat m Chile.

6151. CUPIEA Jcq

(DC. Prodr III. 83. — Wlprs Report II 105. V 674, Annal 1.294.)

1. C FLORIBUNDA Lehm — Wlpris Rœpcit II. 101 no. 1.
vai (jandiftma Rgl Flora (B Z) XXXII 183 — Differt habitu lobusliorc, caule, pagina folioium infriore et caljebus dense setoso - hispidis, flonbus majoubus subregulaubus atroviolaccis — Forma genuina se distinguit flonbus incguluibus (pelala 4 inferiori hoiizontaliti patentia violacci, 2 supenora oblique ercen atropurpuica) calyce et pagmi infriore folionim VIK setoso — CiebCit in Guiemih
2. C. (INNVBARINA Planchon in Van Houtte, Floie des serres \ tab 527. — Paxlon & Lmdl Flow gard I 8*) flg 60 — Fruticulosa nmis leilibu* adpicisse slugulosis, apicem versus saepius glanduloso-pilosis, fohis opposite, brCMter jutiolatis, angusto lanccolalis, apice sensim angusiiiiis neutis, marginc lcJirr repando-uHduhlis, supra undique, sublus secus nei\os str^O'si's, supremis (bracloib) sensim diminutis, saepius spori>is, flonlju^ ncemoso-panicuhtis* pediccllts e\||ce plus quim duplo bicMONbus, apite mmule bibiacteolatis nhti-s extus \is.cosi&snnc luriolli Miidscenii-IOSCI calcare bicvi compressiusculo, denlicuhs assessoins minutis, hcinn suponoie lato tnangulari, cactens intus anchnoidco - MIOSI^., petalis 2 supcuoiiibus hrcwlci unguiculatis irnjusculis obovato-oblongs cii*po-undulalis cinnabatimis canLias nutis concoloiibus, snmmibus 11, plensque mtlusi-s, glanduh disci tmnguhti — C *Llaneana* Lmdl Dot. Regist lab 1386? (ncc DC Prodi III 85 no 13) — Habitat in Guatemala.

f Icone§ nAdenAne.

- C SILENOIDCS N ab E. — (Wlprs Report. II. 107 no 16) — Hook Dot Magaz tab 4362
- C VERTICILLATA Il.B Knlli, — (DC. Piodr. III 84 no. 8) - Van Houite, Floro des serres VL tab 540

6156. GRISLEA Loffl.

(DC Prodi. III 92)

- 1 GR UNIFLORA A. Rich Tent, fl Abjss. I 291 tab 52 — Ciuletceiu, ramulis virgatis glabris, fols lanccolalib acuiis, basi brcsibbime ptuolaus, mcgris cōnaceis, sublus pallidionbus et subpubentibu^ punctis nigus conspcisis, pcdunculis ~~axillaribus~~

solitariis unifloris, paria 2—3 foliorum parvulorum oppositorum gerontibus et iia ramulum acumulantibus. — *Gr. micropclala* Hochst. mss. — Habitat in Abyssiniae provincia Chird.

2. GR. MULTIFLORA A. Rich. Tent. fl. Abyss. 1. c. 281. — Caulo tereti; ramulis virgalis pubentibus subcompressis; foliis ovali-oblongis sublanceolatis aculis, basi obtusis breviter petiolatis, presertim subtus in nervis pubentibus punctisquò nigris conspersis; petiolis axillaribus 4—8 (lores pedicellos oppositos gremibus. — Habitat in Abyssinia in convalle fluvii Taccazo

6165. FABASTGA *Hamilt.*

(Wlprs. Report. II. 114.)

1. D. MOLUCCANA Rume, Mus. bot. Lugd. Batav. p. 109. no. 259. — Ramulis pube subtilissima conspersis; pedunculis terminalibus corymboso-paucifloris; calycis limbo quadripartito; corollis 4-petalis; capsulis incomplete 4-ocularibus. — In Amboina.

Ordo LXXXIV. TAMARISCINEAE *Juss.*

(DC. Prodr. III. 95. — Wlprs. Repert. II. 114.)

5484. TAMARIX *Linn.*

(DC. Prodr. III. 95. — Ehrenb. in Wlprs. Repert. II. 115.)

- * *T. (Oligadenia) HAMPEANA* Boiss. ft Helder. Diagn. plant. orient. nov. X p. 8. f — Glabra glaucescens: ramis erectis; foliis densiusculo imbricatis subaequalibus o basi latiori rotundata subangustatis oblongo-lanceolatis crassiusculis aculiusculis; racemis secus ramos hornotinos numerosis palulis brevibus chassid densiusculis, paniculam spiciformem longam formantibus; bracteis oblongo-linearibus obtusis pedicello longioribus; pedicello calycem aequanti; floribus tetrasepalis octadeniis: sepalis oblongis acutis; petalis oblongis calyce duplo longioribus: staminibus 6—8 breviter exsertis; stylis quatuor; capsula. . . .? — *T. hcxandra* Hampe mss. — Crescit in maritimis Alticac ad Phalcrum, Argolidis ad Astros.
2. *T. MEYERI* Boiss. 1. c., 9. f — Glabra glauca: ramis erectis; foliis crassiusculis e basi latiori subtruncata sensim angustatis lanceolatis acutis, pagina inferiori angulato-subcarinalis, iis ramorum ad basin cujusve ramuli triplo majoribus patulo-subrepurpatis; ramulis leniibus laxiusculo foliosis: racemis secus ramos hornotinos lateralibus numerosis longis densis crassiusculis: bracteis linearibus latiusculis, pedicello brevi duplo longioribus deflexis; floribus tetrasepalis tetrapetalis tetrandris octadeniis; sepalis ovato-rotundis, margine membranaceis, dorso carinatis obtusis; petalis oblongo-patiliniis calyce sesquolongioribus; filamentis corolla brevioribus; stylis qualernis, ovario pyramidaio depresso. — *T. tetragyna* C. A. Mey. (non Ehrbrg.) — In insulis maris Caspii.
- * *T. DESERTI* Boiss. cit. loc. p. 9. f — Glabra magis minusve glaucescens: ramis erectis; foliis lanceolato-linearibus? aculiusculis crassiusculis, subtus vix angulata

basi semirplexicaulibus truncatis, us nrorum ad basin cujusque ramu 2 — 3 - plo
 majonibus ramulis tenuibus laxiuscule fohosis tacemis SCCHS ramos boinolinus nu-
 nyjiosis pamculam longam formanlibus lonqik* densusculis bracicis lineanbus oblusis
 flores aquanlibu& vel superantibus pedicc His ciljte piulo bu vionbus scpalis 4 ovato-
 subrotumbus oblusis htc maiginalis, doiso aubcii in His pcillis 4 ovilo-spilhulatis
 cal\ce sosquilonjonbus slimmibus 4 coiollac npquilonjji* st\lis 4 capsula quadn-
 vilvi glauci pjianudala I Imtas longa — fitscit m salbuginosis descrlri Arabico-
 Aegyptiuci et in descensu septemionali jugi fib Aiabnc petracac ad fonlem sal-
 suginosum.

Ordo LXXXV. MELASTOMACEAE *n Br.*

(DC Piodi III 99 — Wlpis Report II 117 a 916 V 676, Annal. I 295)

Subordo I. *JIETJASTOJIEJIX: Scr.*

(Naudin \nn sc nat [3 Scr] XXI p 220)

Calycis limbus simplex aut duplicatus Stamina saepissime inter se
 aequalia, id est, quae cum petalis altcmant majora, caetera minora
 intrclumque stcilia, imo scd raiius omnino obsoleta et nulla Antherae
 apicc 1—2-, laiuis 4-poiosae, ranssime nma unica aut duplici longi-
 ludmali dchiscentes, connectivo mfri loculos saepc antice aut iwstice
 producto et appendicibus \anc conhlis ornato 0\anum liberum |el
 adlneiens, 2—15-locuhrc, Jocuhs poljpcimis, stigmatc numquam
 diviso rructus cnpsulans m \al\as dehiscent, aut baccatus Semina
 minula, vane fabneata, sacpius icmfoimu, cochlcata aut uregulanter
 pyamidila — Herbac,#sulliutices, ranus arbu^culac aut arbores mc-
 diociis stalurae, totius orbis /onam mtertropicam incolentes folus in
 codem jujo jionnunquam dispanbus et hcteiomorpls ranssime abortu
 alttmis, nervis pumaus convci^cnlibus, iaaij>sime subdiveigenlibus,
 mtcidum ^landuhs olco essentiali rcfurlis 'vd punctis resmosis con-
 spci^js aut Uiam MSCO madcnlibus, flonbus 3—10-meis roseis pur-
 pureis Molaccisque, quandoque albis aut luttis, numquam autem vere
 caeruleis

Tnbus I *MICROLICIALES* Naud 1 c 263

Calycis hmbus simplex, in dentes dnisis Stamina saepissime alter-
 natim inaoqualia Anlbeiac obloni?o-o\oideae lostro aut rostello ob-
 lique umporoso terminatae, raiius simphciler subulalae, connectivo
 iniia Jocuios ^acpius producto et ad inscrtioncm filamenti bilobo aut
 in appendicun simphctm A el bifuhm anticc ponecto, postice prorsus
 exappendiculato tructus capsulans Semma irregulanter reniformia
 aut pyramidata, nunquam vere cochleata. Genera omnia Americana.

I. (6187.) MEISHTERIA DC.

(DC. Prodr. III. 114.— Wlprs. Repert. II. 121. — Naudin, Ann. sc. nat. [3. Ser.] XII. 203.)

1. M. MICROLICIOIDES Naud. 1. cit. 204. f. tab. 11. — Fruticulosa orechia simplex vel parum ramosa, tota corollis genitalibusque eiceptis hirtella: foliis sessilibusypordi-formi-ovatis integerrimis uninerviis, marginebus revolutis idcoque primo. ftjdspeotu triangularibus; floribus pedicellais ad apices caulis et ramulorum aggregate fuphpani-culatis, purpurascenlibus aut purpurcis. — Crescit in Guiana Anglica prope Roroima.

II. (6188.) SIPH AETHER A Pohl.

(DC. Prodr. III. 121. — Naudin, Ann. sc. nat. [3. Ser.] XII. 205.)

1. S. GRACILIS Miqu. Linnaea XXII. 537. J — Tota pilis glandulosis pubescens: ramis simplicibus; foliis breviter peliolalis vel sessilibus ovalis acutis crenalo-serrulatis reticulatis; florum fasciculis brevissime pedunculatis; antheris atro-purpurcis rostrum pallidum circiter aequantibus. — Caulis vix pedunc. Folia inferiora conferta, superiora remota, fere sessilia parva, vulgo sublus sublinervia. Bracteae purpurascetes. Calycis dentes lanccolati. Antherae basi biauriculatae. — Crescit in Brasilia provincia Minas Gerats.

III. (6183.) RHYTCHAHHTHSRA DC.

(DC. Prodr. III. 106. — Wlprs. Repert. II. 120. V. 682. — Naudin, Ann. sc. nat. 13. Ser.] XII. 207.)

K. ANISOSTEMONES Naudin 1. c.

Stamine uno caeteris fertilibus ferme duplo vel saltern multo majore.

f *Antherarum rostrum brevissimum obtusum.*

- * RH. BRACHYRHYNCHA Cham. — Wlprs. Report. II. 120. no. 3. — Naudin 1. c. 207. — Subherbacea crecta simplex hirtella: foliis ovalis serrulatis sessilibus; floribus pro genere parvis paniculatis; stamine monodynamo caeteris non duplo majore. — Crescit in Brasilia australi.

ft *Antherarum rostrum gracile, loculos longitudine subaequans interdumque superans, anlice saepe inflexum, oblique porosum.*

- ² RH. GARDNERI Naud. 1. c. f — Fruticulosa, tota molliter hirsuta: folia sessilibus late ovato-cordiformibus acumihatis, tenuissime serrulatis, 3—5-nerviis villosis; floribus ad apices ramorum axillaribus paucis, intonse purpureis. — Crescit in Brasiliae provinciu Goyaz.
- ³ RH. URSINA Naud. 1. c. f — Suffruiicosa erecta ramosa foliosa sericeo-villosa: foliis brevissime petiolatis late cordiformibus acuminatis, vix consyicue serrulatis septem-nerviis; floribus magnis, in thyrsu terminalem confertiflorum dispositis, fhiense purpurcis. — Crescit in Brasilia*) provincia Minas Geraes.
- ⁴ RH. SECUNDIFLORA Naud. 1. c. f — Fruiculosa ramosa bispidula: foliis petiolatis ovatis aculis, tenuiter ciliato-serrulatis, arco pilosis 3—5-nerviis; ramis secundifloris; floribus in axilla foliorum solitariis subsessilibus. — Crescit in America australiori.

- 5 RH. COLLINA Naud 1 cit 208 + — Suffruticosa hirtella foliis petiolatis majusculis cordiformi-ovalis breviter acuminatis serrulatis 5—7—9-nerviis paniculae raaga laxiflora foliosa, floubus subsessilibus solitariis purpuris — Crescit in Bolina
- 6 RH. OVALIFOLIA Naud 1 cil. f — Suffruticosa crecta simplex humilis foliis petiolatis ovatis, basi cordatis acuminatis aequie ualido-serrulatis, 7—9-nerviis, floubus ad apices ramulorum paniculae terminalibus subterminis, foliola aliquot quasi nullis — Crescit in Brasilia,
7. RH. SIMPLICICAULIS Naudin 1 c + — Subscaberrima annual simplicissima erecta caule birtello; foliis petiolatis ovatis basi cordate, acuminatis ciliato-serrulatis septemnerviis, floubus in ramulis paniculae laeae pauciflorae secundis solitariis — Crescit in Brasilia
- 8 RH. NOVENNERVIA DC 1 c 107 — Naudin 1 c 209 f — Suffruticosa lamosa lurtella foliis petiolatis ovalis aculis novemnerviis. — Crescit in Brasilia.
- 9 RH. MONODYNAMIS DC 1 c — Naudin 1 c f — Frulescens erecta lamosa caule ramisque setis palulis interdum rugulosis et subtuberculis hispidis, foliis petiolatis laevibus cordiformi-ovatis breviter acuminatis acutis crenato-serratis* 5—7-nerviis sparse sculobis paniculis maximis terminalibus dichotome imo; floubus alabundantibusque, capsulae globose — Crescit in Brasiliae provincia Minas Geratis.
- 10 RH. MATTHAEI Naud. 1 c f — Frulescens ACI fruticosa ramosa ramis latis obsolete tetragomis subtuberculibus, lobis brevissimis petiolatis ovato-oblongis lanceolatisque aculis, basi non cordatis serrulatis 5—7-nerviis sparse setulosis, ramulis ad apices ramulorum axillarum in paniculas terminales digitorum lumbis, utplurimum terms, bracteis lanceolatis suffultis — Crescit in Peuvia.
- 11 RH. LIMOSA DC 1. cit 108 — Naudin 1 c 210 f — Frulescens ramosa tota corollis genibusque exceptis hirtella ramis obsolete tetragomis, foliis petiolatis elliptico-lanceolatis breviter acuminatis acutis serrulatis quinquenerviis, floubus majusculis, ad apices ramulorum paniculae dispositis terminalibus, utplurimum terms, breviter pedicellatis
var. P. *depauperata* priori similis sed debilior et capsulae tenuis Forsan species dubia — Crescit in Brasiliae provincia Minas Geratis
12. RH. AMBIGUA Naud 1 c f — Suffruticosa fruticosa crecta simplex? villosa-hirsuta foliis petiolatis laevibus, basi non aut subcordatis subacuminatis aculis serrulatis, utrinque villosis 7—9-nerviis, floubus ad apices ramulorum paniculae solitariis—terms, bracteis hincobtus acuminatis suffultis — Crescit in Guiana Anglica.
13. RH. INSIGMIS Naud 1 c f — Suffruticosa vel frutescens ramosa macrophylla macroantha caule laxisque pubescentibus, foliis petiolatis lanceolato-ovatis, basi rotundatis aut vix subcordatis, longe acuminatis aculis serrulatis 7—9-nerviis, floubus ad apices ramulorum paniculae terms quibusque putpucis, bracteis lanceolato-linearibus acutis suffultis — Crescit in Republica Mexicana et prope Panama
- 14 RH. GRANDIFLORA DC 1 cil 107 — Naudin 1 c. 211 f — Frulescens, dichotome ramosa submacrophylla polyantha ramis teretibus birtibus interdumque hispidulis, foliis longiuscule petiolatis cordiformi-ovatis breviter acuminatis serrulatis 7—9-nerviis, pagina utraque setulosis, paniculae dichotome ramosa combiflorae, floubus alaribus terminalibusque breviter pedicellatis — Crescit in Guiana Gallica et Anglica, nec non in Republica Noctuidiana-anatensi
*or pro *microphylla* foliis, 2—3 centim longis, vix 2 latis, panicula magis foliosa. minus, autem floubunda Habitu quoque duplicat An mera \anella» — Crescit in Guiana Biuvica prope Surinam
- 15 RH. INTERMEDIA Naud 1 c + — Suffruticosa tota pelalis genitalibusque exceptis luspida foliis petiolatis ovato-cordatis breviter acuminatis ciliato-serrulatis n-

•emneruii; floribus ad apices ramulorum alaribus terminalibusque laete purpureis. — Crescit in Brasilia cenirali.

B. ISOSTEMONES Naudin 1. c. 212.

Staminibus scilicet 5 fertilibus inter se aequalibus aut vig&conspicue inaequalibus.

16. RH. HOOKERII Naud. 1. c. 212. f — Suffruticosa pubescens: foliis peliptytj^ordi-formi - ovatis breviter acuminatis; floribus mediocribus breviter pedicellatis, in romis paniculae foliosae alaribus terminalibusque. — Crescit in Peruvia.
17. RH. MODESTA Maud. I. c. f — Suffruticosa subherbaceave puberula: ramis subherbaccis tetragonis, inferne denudatis (an semper?); foliis supremis breviter petiolatis parvis mollibus lineari-oblongis interdumque omnino linearibus obtusis ciliato-serrulatis, caeterum subglabris Irinerviis; floribus pro genere partis breviter pedicellatis, in ramis paniculae laxae axillaribus solitariis secundis. — Crescit in Guiana Anglica.
- IB. RH. HISPIDA Naud. 1. c. f — Fruticosa robustu ramosa floribunda, tota, petalis genitalibusque exceptis pills longis rigidis hispida: foliis petiolatis ovatis, basi cordatis serrulatis 7—9-nerviis; panicula magna terminali foliosa, ramis secundifloris; floribus brevissime pedicellatis plerumque axillaribus solitariis. — Crescit in Brasilia ad ripas fluminis Araguay locis bumidis.
19. RH. WEDDELLH Naud. 1. cit. p. 213. f — Suffruticosa ramosa fere omnino glabra: foliis petiolatis late ovatis, basi subcordatis acutiusculis serratis quinquernerviis; paniculae ramis telragonis secundifloris; floribus breviter pedicellatis axillaribus solitariis luete purpureis. — Crescit in nemoribus humidis Brasiliae australis,
20. *RH. SERRULATA DC. 1. ell. 108. — Naudin 1. c. 213. f — *Jlhexia serrulala* Rich, in Humb. & Bonpl. Rhex. tab. 28. — Crescit in Brasilia australi.
21. RH. PARVIFLORA Naud. I. c. f — Suffruticosa: ramis hirsulis; foliis breviter petiolatis ovato-oblongis acutis serratis quinquenerviis; ramis supremis secundifloris foUosis paniculalim dispositis; floribus subsessilibus axillaribus solitariis subparvis. — Crescit in Guiana GalKca.
- *• RH. SCHRANKIANA DC. I. cit. 107. — Wlprs. Reperl. II. 120. no. 1. — Naudin 1. c. 214. — Eadem ac *Rh. pentanthera* DC. — Non diflert a *l/h. dichotoma* DC. el a *Melastomate dichotomo* Lamk. — *Melastoma serrulatum* Spreng.
var. p. *quadrivalvis*: capsula quadrivalvis est nee 5-valvis. — Crescit in Brasilia.
(Species omissas conferas in DC. 1. c. ft Wlprs. I. I. c. c.)

IV. (6197A?) STEHTOBOX Naud.

(Wlprs. Repert. V. 698 — Naud. Ann. sc. nat. [3. Ser.] XII. 215. tab. 12.)

- *• 'ST. SU3EROSUS Naud. I. cit. 215. t. 12. — Wlprs. I. c. — Crgreit in arenosis Bra-eiliae ausiralis.

V. (6172.) IiA VOISJCBRA J>C*J

<°C Prodr. III. iff. — Wlprs. Repert. II. 1JA it 916. V. \$78. Ann. bot. syst. I. 296.- Naudin. Ann. sc. nat. [3. Ser.] XII. 215.)

- *• L. 6ARDNERI Naudin 1. c. 221. f — Fruticosa vel suffruticosa trichotome ramosa micro-P^ylla, iota corollis genitalibusque ezceptis pube glandulifera birtella: ramis ad apicem foliosis, inferne denudatis et articqlatis, subtetragonia; foliis plantis sessilibus patulis

*) Species novas tantummodo enumeravl.

ovato-oblongis aculis subobtusisve ciliato-serrulatis 1—3-nerviis multiveniisque; floribus lixamcii* purpureis aut violaccis. — An cadem ac *L. mucorifera* Mart.? — Crescit in Brasiliae provincial Minas Geracs.

2. *L. MFCROLICOIDES* Naudin 1. rit. f — Fruticulosa ramosa microphylla submicrantha; ramis tetragonis articulatis; foliis sessilibus ovalis acuiis lenuissime serrulatis trinerviis glanduloso-puberulis planis, subtus nervo medio nonnihil carinalo; floribus ad apices ramorum solitariis involucratis 6-meris, rubris? — Crescit in Brasiliae provincia Minas Geracs.

VI. (6186.) CHAETOSTOMA DC.

(DC. Prodr. III. 112. — Wlprs. Rcpert. II. 121. V. 682. — Naudin, Ann. sc. nat. [3. Ser.] XII. 227.)

VII. (6197.) MICROMCIA Don.*)

(DC. Prodr. III. 117. [ex p.] — Wlprs. Repert. II. 125. V. 690. — Naudin, Ann. sc. nat. [3. Ser.] XII. 228.)

I. *Exappendiculatae* Naudin 1. c. 230. — Antherae oblongae subu; latae nec ut rosellatae, omnium connectivo cum filamento simpliciter articulo nec ultra filamentum insertionem antice porrecto.

1. *M. CASTRATA* Naud. 1. c. 230. f — Fruticulosa ramosa, superne foliosa, inferne denudata: ramis piloso-hirsutis; foliis sessilibus ovato-lanceolatis v. oblongo-ovatis acuminatis acutissimis in scalm abeuntibus. marginibus seloso-ciliosis et quasi serrulatis. pagina superiore fere glaberrimis, inferiore piloso-setosis et impresso-punctatis, parum conspicue trinerviis; floribus ad apices ramorum subterminalibus axillaribusque solitariis purpureis; nuberis subulatis, connectivo infra loculos vii arcuato nec ultra filamentum insertionem porrecto. — Crescit in Brasiliae australis provincia Gojaz.
2. *M. OXYANTHERA* Naud. 1. c. f — Fruticulosa suffruticulosaque: caulibus ex eadem radice pluribus gracilibus erectis parum ramosis, superne hispidulis foliosis, inferne denudatis glabralisque; foliis sessilibus ovalis acuminato-acutis, marginibus setoso-serrulatis, pagina superiore subglabra parce, inferiore seloso-hispidula crebre glanduloso-punctatis trinerviis; floribus ad apices ramorum axillaribus subterminalibusque solitariis roscis; antheris subulatis reclis, connectivo ad insertionem filamentum castrato.

var. ? *albiflora*: priori similis sed floribus albis. — Crescit in paludosis Brasiliae australis, in provincia Gojaz.

II. *Brachiatae* Naudin 1. c. 231. — Antherae ovoideae aut oblongae? ovoideae rostellatae, rarius subulatae erostratae, connectivo saltem in 5 majoribus ultra filamentum insertionem antice in appendicem planam integram aut bilobam porrecto.

3. *M. LAVOISIERAEFORMIS* Naud. 1. cit. 232. f — Fruticulosa vel fruticulosa di-trichotome ramosa glaberrima isophylla, superae foliosa et viscidula, inferne denudata: ramis tetragonis nodoso-articulatis; foliis sessilibus ellipticis v. elliptico-ovatis subobtusis integerrimis uninerviis (nervis lateralibus subevanidis), pagina utraque impresso-punctatis; floribus ad ramorum apices axillaribus terminalibusque solitariis nonnihilque in capitulum foliosum appropinquatis; antheris oblongo-ovoidibus longiuscule rostratis. — Crescit in Brasilia septentrionali.

*) Species novas tamummodo enumeravi.

4. * M. DECIPIENS Naudin 1. c. f — *Lavoisiera microphylla* Naudin. — Wlprs. **Repert.** V. 679. no. 7.
5. M. OCCIDENTALS Naud. 1. cit. 235. f— Fruticosa ramosissima isophylla tota hirsuta floribunda micrantha: ramis tetragonis patentim birsutissimis; foliis subsessilibus elliptico-ovatis obtusis, raro subacutis subintegerrimis 3—5-nerviis, pagina utraque villosa-hirsuta treberrime impresso-punctulatis; floribus ad apices ramulorum axillaribus terminalibusque subcongestis: calycinis dentibus acutis tubo suburceolato duplo brevioribus; antheris oblongo-ovoidis rosiellalis. — Crescit in Brasiliae occidentalis provincia Mato - Grosso.
6. M. LEUCANTHA Naud. 1. cit. 239. f — Fruticulosa villosissima, superne foliosa, inferne denudata, tota corollis genitalibusque exceptis villosa-hirsuta: foliis sessilibus late ovatis acutis, basi interdum subcordatis serrulatis trinerviis, pagina utraque tenuissime impresso-punctatis; floribus ad apices ramulorum axillaribus terminalibusque solitariis, interdum approximatis albis; antheris ovoideis rostellatis, majorum connectivo ultra filamentum insertionem obtuse porrecto — Crescit in campis humidis Brasiliae centralis.
7. M. GARDXERI Naud. 1. cit. 240. + — Fruticosa ramosa isophylla submicrophylla, superne dense foliosa, inferne denudata: ramis birsutis; foliis sessilibus late ovalis subnervatis acutis integerrimis setoso-ciliatis, pagina utraque, sed inferiore impresso-punctulata praesertim, setoso-villosa, vix conspicue trinerviis; floribus terminalibus subterminalibusque solitariis aut approximatis paucis purpurascensibus?; antheris ovoideis rosiellalis, connectivo majorum ultra filamentum insertionem porrecto, minorum pro-minulo. — Crescit in Brasiliae septentrionalis provincia Pernambuco.
8. *M. OLIGANTIA Naudin 1. c. 241. + — *M. variolosa* Naud. (nee DC.) — Wlpra. **Repert.** V. 694. no. 29.
9. M. CARNOSULA Naudin 1. cit. 242. f — Fruticulosa subfastigiata ramosa glabra viscidula microphylla isophylla, superne dense foliosa, inferne denudata: ramis tetragonis; foliis sessilibus carnosulis ovalis acutis integerrimis immerse uninerviis subnerviisque impresso - punctatis rugulosis; floribus ad apices ramulorum terminalibus axillaribusque solitariis pedicellatis; antheris ovoideo-oblongis rostellatis. — Crescit in provincia Brasiliae meridionalis Minas Geraes.
10. M. PASSERINA Naudin 1. c. 244. + — Fruticulosa ramosa, superne foliosa, inferne denudata: ramis supremis tomentoso-birtellis rufescentibus; foliis elliptico-obovatis subobtusis basi cuneato-attenuatis non autem petiolulatis, integerrimis subintegerrimis parum conspicue trinerviis furfuraceo-tomentosis rugulosis nec manifeste glanduloso-punctatis; ramulis floriferis in paniculas breves foliosas dispositis; floribus axillaribus terminalibusque subsessilibus purpureis; antheris ovoideis rostellatis, omnium connectivo ultra filamentum insertionem in appendicem obtusam nec bifurcam producto. — Crescit in Brasilia meridiana.
11. M. MYRTIFOLIA Naudin 1. c. 245. f — Fruticulosa fruticulosae erecta ramosa viscidula anisophylla, pro genere macrophylla et macrantha: ramis pulverulentis aut adpresso et brevissime tomentosis magis minusve tetragonis; foliis subsessilibus sessilibusque late elliptico-lanceolatis, utrinque acutis integerrimis trinerviis glabris viscidulis, pagina utraque tenuissime punctato-cribratis; floribus ad apices ramulorum axillaribus alaribusque solitariis pedicellatis: antheris oblongo - ovoideis rostellatis. omnium connectivo ultra filamentum insertionem porrecto. — Crescit in montibus Serra do Frio Brasiliae australi?.
12. M. BACCHAROIDES Schrank. f. Mart. mss. ex Naudin 1. c. 245. f — Fruticulosa ? fruticulosa ramosa, superne foliosa, inferne denudata subisophylla viscidula: ramis supremae tetragonis birtellis; foliis sessilibus late ellipticis obovatisque interdum suborbicularibus obtusis v. subacutis integerrimis trinerviis, pagina superiore glabra **rugulosa***

- punctulatis, inferiore hirtella impresso-punctatis; ramulis floriferis in pinnulam dispositis; floribus axillaribus terminalibusque solitariis pedicellatis roseis aut purpureis; antheris ovoideis rostellatis. — In Brasilia australi.
13. *M. CAHDIOPHORA* Naudin 1. c. 247. f — Fruticulosa, superne ramosissima anisophyllin floribunda: ramis ramulisque confertis dichotomis saepe geniculato-tortuosis hirtellis; foliis non omnino sessilibus sed saepe brevissime petiolalis ovato-ellipticis obtusis integerrimis trinerviis breviter hirtellis, pagina utraque foveolato-punctatis (punctis autem non resinosis nec glandulosis); floribus (pro genere) longe pedicellatis solitariis axillaribus alaribusque purpureis; antheris omnibus oblongo-ovoides rosellalis, omnium connectivo ultra filamentum insertionem in appendicem porrecto, majorum appendice inflata biloba cordiformi. — Crescit in Brasiliae provincia meridionali Minas Geratis.
14. *M. VENUSTA* Mart. Herb, ex Naudin 1. c. + — Fruticulosa erecta ramosa anisophylla micrantha oligantha: ramis subvirgulis tetragonis uti folia ipsa pube densa brevi subvelutina lutescente hirtellis; foliis sessilibus late ovatis obtusis subobtusisque integerrimis 3—5-nerviis, subtus tenuiter punctulatis; floribus subpaucis longiuscule pedicellatis ad apices ramulorum axillaribus terminalibusque solitariis purpureis; antheris ovoideis rostellatis. — Crescit in Brasilia australi.
15. *M. MARTIALIS* Naudin 1. c. 248. f — *M. pulchella* Mart. mss. — *M. venusta* Naud. — Wlprs. Repert. V. 693. no. 18.
16. *M. WEDDELLII* Naud. 1. c. 251. f — Fruticulosa isophylla: caulibus ramisque tetragonis, inferne denudatis, superne foliosis glabris, junioribus ad nodos setulosis; foliis subsessilibus elliptico-ovatis acutis, margine setoso-denticulatis aut integerrimis trinerviis (nervo utroque laterali subevanido ideoque primo adpectu uninerviis) glaberrimis rigidulis, pagina superiore tenuiter rugulosa, inferiore punctis impressis cribrata; floribus ad apices ramulorum axillaribus et terminalibus solitariis roseis; calycinis dentibus acutissimis rigidulis cum setis seu aristis totidem ex intervallo alternantibus; antheris late ovoideis brevissime rostellatis. — Crescit in locis aperlis montium Peruviae prope San Juan del Bro.
17. *M. CHLORACEA* Naudin 1. c. 252. f — Fruticulosa erecta, superne ramosa subisophylla: ramis patenlim sparse hispidulis; foliis sessilibus erectis ovatis acuminatis acuminatissimis in setam abeunlibus, marginibus remote setoso-ciliatis et quasi argute serrulatis, caeterum glabris, parum conspicue 1—3-nerviis, subtus parvissime glanduloso-punctatis vel punctis omnino desitutis; floribus ad apices ramulorum axillaribus subterminalibusque solitariis, interdum approximalo-glomeratis, purpureis; antheris ovoideo-oblongis acutis rostellatisque, majorum connectivo ultra filamentum insertionem porrecto. — Crescit in Brasiliae provincia Goyaz.
18. *M. DEPAUPERATA* Naudin 1. c. 253. f — Fruticulosa erecta ramosa isophylla glabra: ramis apice lantum foliosis tetragonis; foliis sessilibus ovato-lanceolatis lanceolatis acutis in setam abeunlibus integerrimis subuninerviis, utraque pagina (sed non creberrime) impresso-punctatis; floribus terminalibus subterminalibusque solitariis paucis albis aut pallide roseis; antheris oblongo-ovoides rosellatis, connectivo ultra filamentum insertionem in appendicem obtusam porrecto. — Crescit in Brasiliae australi provincia Goyaz.
19. *M. SELLOWIANA* Naudin h c. 257. f — Fruticulosa ramosissima isophylla glabra: ramis junioribus tetragonis; foliis non omnino sessilibus angustis linearibus planis acutis integerrimis, basi attenuata quasi petiolalis, uninerviis subnerviisque, pagina utraque impresso-punctatis; floribus ad apices ramulorum axillaribus terminalibus pedicellatis solitariis; antheris ovoideis rostellatis. — *M. setosa* Cham, (nee DC.)
- ^{Λγρ} P¹ f^{1101*}: foliis sparse pilosis remote patentibusque ciliatis. — Crescit in Brasilia meridionali*.

VIII. (6206.) *TBERIBLEYA DC.*

(DC. Prodr. III. 125. — Wlprs. Rept. II. 127. V. 699. — Naudto, Ann. sc. natur. [3. Ser.] XII. 264.)

1. TR. *STENOPHYLLA* Naudin. Annal. des scienc. natur. (Ser. 3.) XII. 265. f — Fruticosa ramosissima microphylla: ramis tetragonis, in fema subnudatis articulatis; foliis elliptico-linearibus oblongis obusis uninerviis integerrimis vel infra apicem denticulo uno et altero vix perspicuo ornatis, pagina utraque glabris aut inferiore tenuissime pubescentibus; floribus ad apices ramulorum axillarum terminalibus solitariis, breviter pedicellatis. — Crescit in Brasiliae provincia Minas Geraes.

IX. (6178.) *CETRAESTIA G. Don.*

(Wlprs. Rept. II. 118. 917. V. 682. — Naudin, Ann. sc. natur. [3. Ser.] XII. 270.)

- * C. *FLORIBUNDA* Planchon in Van Houtte, Flore des serres V. t. 453. — Erecta dichotoma ramosa rubescens. inflorescentia calycibusque glandulosa: foliis strigoso-pubescentibus, his saepius deflexis et semitortis, magis minusve disparibus petiolatis lanceolatis (1—2 poll, longis), utrinque attenuatis integerrimis tenacibus, supra viridibus, subtus venosis; cymis terminalibus corymbosis multifloris; folia supra multo superantibus; pedicellis flore expanso paulo brevioribus: petalis late ellipticis obtusissimis eroso-repandis glaberrimis ciliatis; stylo vix declinato stamina subaequante. — Habitat in Mexico.

Tribus II. *LASIANDRALES* Naudin L c. 273.

Calycis limbus simplex in dentes divisus. Stamina saepissime alternatim inaequalia, antherae uniporosae aut rarissime biporosae, nonnunquam breves truncatae aut suborbiculares, saepissime elongatae subulatae, interdum etiam in rostrum gracile apice attenuatae, connectivo ut plurimum infra loculos producto et saepissime appendiculis varie conflatis ad ipsam filamentum insertionem antice terminato, postice rarissime tuberculato aut caudato. Fructus capsularis aut baccatus. Semina cochleata aut (rarissime) reniformi-ovoidea.

X. (6180.) *ATTALIAEA Naud.*

(Wlprs. Rept. V. 682. — Naudin, Annal. sc. nat. [3. Ser.] XII. 276.)

xi. *ONOCOSMA mud.*

(Naudin, Ann. des sc. natur. [3. Ser.] XII. 276. tab. 12.)

Flos pentamerus. Calycis campanulati dentes acuti tubum aequantes. Petala obovata. Stamina decem, alternatim majora perfecta et minora sterilia, fertilium antheris brevibus. ovatis suborbicularibusve, late uniporosis, connectivo infra loculos producto et in articulatione filamentum antice bilobo vel bicalcarato, sterilium ferme prioribus conformibus sed multo minoribus et effoetis. Ovarium liberum biloculare; stylo filiformi recto, stigmatibus punctiformibus. Capsula loculicide bivalvis! Semina reniformi-ovoidea. — Herbae Austro-Americanae exiguae, forsitan Paludosae si ex habitu iudicandum sit, erectae microphyllae: floribus terminalibus axillaribusque parvis.

1. 0. CALCARATA Naud. 1. c. 277. f t. 12. fl?. 2. — Erecta sparse pilosa: cnule caulibusve gracilibus parum ramosis; foliis minutis sessilibus ovatis semiamplexicaulibus lenuissime serrulatis (sub lente), radicalibus approximalis, cactis distinctibus; floribus pedicellatis axillaribus terminalibusque, fere paniculatis. — Crescit in Guiana Gallica.
2. 0. CRASSIPES Naud. 1. c. 277. f lab. 12. fig. 4. — Erecta simplex aut parum ramosa, inferno glabra, superne pilis glanduliferis birtella: caulo basi incrassato vel inflato; foliis minutis late ovatis semiamplexicaulibus integerrimis nerviis; floribus axillaribus terminalibusque subsoilaribus. — Crescit in Guiana Gallica.
3. 0. PAUCIFLORA Naud. I. c. f lab. 3. — Erecta simplex (ansemper?) glabella?: caule supra radicem interdum subinflato; foliis minutis late ovalis semiamplexicaulibus integerrimis, fere nerviis: floribus axillaribus terminalibusque paucissimis solitariis. — Crescit in Guiana Anglica.

XII. (6194.) POTERA ^ THERA Bongrd.

(Wlprs. Repert. V. 689. — Naud. Ann. sc. nat. [3. Ser.] XII. 278. t. 8. flg. 2.)

XIII. (6198.) FRITSCIIIA Cham.

(Wlprs. Repert. II. 126. — Naud. Ann. sc. nat. [3. Ser.] XII. 278.)

1. FR. PUNCTULATA Naud. I. c. 279. f — Isostemon: ramis gracilibus decumbentibus vel caespitosis; foliis breviter petiolatis ovalis acutis integerrimis vel infra apicem dente uno et altero notatis, supra nerviis manifesto impresso-punctatis, subtus trinerviis; antheris non rosellatis, connectivo brevi, vix tuberculato. — Crescit in Brasiliae provincia Minas Geraës.

XIV. (6196.) tterophilA Mart.

(Wlprs. Repert. II. 125. V. 690. — Naud. Ann. sc. nat. [3. Ser.] XII. 279.)

1. N. INUNDATA Mart. — Naudin I. c. 279. — *N. limnobios* Mart. — *Microlicia immdaia* DC, Prodr. III. 117. no. 3. — *Microlicia limnobios* DC. 1. c. no. 4. — *Miocarpus paludosus* Naudin. — Wlprs. Repert. V. 683. no. 1.
2. * N. BECCABUNGA Mart. — Naudin I. c. 280. — *Microlicia bivalvis* DC. I. c. no. 2. -
3. * N. BREVIFOLIA Naudin I. cit. f — *Microlicia brevifolia* DC. 1. c. no. 1. (cum synonym.)
4. N. TETIUMERA Naudin I. c. 280. — Erecta glabra: caule tetragono, inferno simplici, superne ramoso; foliis sessilibus, inflis ovalis oblongis, superioribus lineari-oblongis, supremis angustis lineari-subulatis; floribus tetrameris ad apices ramorum solitariis roseis. — Crescit in Brasilia australi.
5. N. PUSILLA Naudin I. c. 281. f tab. 13. flg. 1. — Pusilla erecta simplicissima oligophylla pauciflora micrantha: caule gracili tetragono breviter quadrilobato, inferno subinflato; foliis parvis semiamplexicaulibus ovalo-rotundatis glabris, inferioribus obtusis, superioribus paulo acutioribus; floribus solitariis terminalibus et axillaribus. — Crescit in Guiana Anglica prope Roraima.

XV. (6193.) I>IC «A1YA]V THERA Prsl

(Wlprs. Report. V. 688. - Naudin. Ann. sc. nat. [3. Ser.] XII. 281.)

1. D. SALZMANNI Naudin I. c. 282. f tab. 13. flg. 3. — Tetrapetala, circiter bidecimetris: antheris majoribus truncatis biporosis; floribus axillaribus et alaribus. — Crescit in Brasilia septentrionali prope Bahiam.
2. D. HEDYOTIDEA Prsl. - wlprs. 1. c. Naudin I. c. t, 13. flg. 2.

XVI (6197.) URAHTTHERA Naud.

(Wiprs. Repert. V. 697. — Naudin, Ann. sc. nntup. [3. Ser.] XII. 282.)

1. U. DICRANCPIORA Naudin 1. c. 283. f — Herbacea ramosa sparse pilosulá: ramis tetragonis ut plurimum alternis. apice dichotomis; foliis petiolatis lanceolato-obovatis subaculis, basi allenualis irinoiviis; floibus breviter pedicellatis axillaribus/solitariis subsecundis, rarius alaribus.
(3. *trichotoma*: praecedeni similis sed opposite ramosa nec secundiflora. Connectivora calcaria recurva sunt et minus acuta vidonlur. — Crescit in insula Porto-Rico.)
2. *U. RECURVA Naudin I. c. f — *Microlicia recnrva* DC. Prodr. III. 118. no, 7. — *RUcvia umflora* Valil. — *Rhexia acisanthera* Willd.
3. tJ. HOSTMANM Naudin 1. c. 284. f — lerbacea erecta ramosa, pilis glanduliferis brevibus sparsis hirtella: foliis mollibus petiolatis obovntis, scrrulntis glabellis vix conspicue trinerviis; floribus ad apices ramorum axillaribus terminalibusquo solliariis paucis. — Crescit in Guiana Datava.

XVII (6192/4.) COHOLIA DC.

(DC. Prodr. III. 114. — Wlprs. Repert. V. 688. — Naudin, Annal. sc. natur. [3. Ser.] XIII. 25.)

- * *C. DENUDATA Naudin 1. c. — *Tricentrum ovalifolium* DC. Prodr. III. 123.
2. C. HIRTELLA Naudin I. c. 126. — Fruticulosa ramosa, tola pilis rjifescemibus hirsuta: foliis pciolalis obovalis acuiis, basi attenuatis vix conspicue serrulatis 3—5-nerviis villosis; floribus axillaribus solitariis. — Crescit in Guiana Anglica.
3. *C. UERIJERJDIFOLIA DC. I. c. 114. — Naudin I. c. 126.
- * *C. VKRONICAEFOLIA Bnth. — Wlprs. 1. c. no. 2. — Naudin I. c.
5. *C. NUMMULARIOIDES Naudin loc. cit, 127. — *Arthrostemma nummularioides* DC. 1. c 137.
6. *G. PURPUREA Miqu. — Wlprs. 1. c. no. 4, — Naudin 1. c.
7. C. (HOSTMANNIA Sleud. mss.) LYTIIRAHIOIDES Naudin 1. c. — Suffrulicosa erecja parum ramosa, fere omnino glabra: caule ramisque tetragonis; foliis petiolatis lanceolato-obovatis acuiis, basi cuneata in petiolura attenuatis ciliato-serratis 3—5-nerviis; ~~floribus~~ floribus ad apices ramorum axillarum solliariis. — In Guiana Daiava.)
8. *C. LEPTOPHYLLA Naudin 1. c. — *Tricentrum leptophyllnm* DC. 1. c. 123.
9. *C. MICROPHYLLA Bnth. — Wlprs. 1. c. no. 1/

XVIII STKPSERA Naud.

CSpenni-ae sp. DC. — *Rhexiae* spec. Bonpl. — Naudin, Ann. sc ftOU [3. Ser.] XII. iak. 14. flg. 1. XIII. 28.)

Flos tetramerus (forsan etiam pentamerusj. Calycis dentes lineares pcuti tubum hemisphaericum longitudine superantes. Petala elliptico-lanceolata acuta. Stamina oclo (forlassis etialn 10?), aequalia \el s<j>

- *) Ab hac specie nullo modo differre videtur:
 8. SURINAMENSIS Miqu. Slirp. Surinawena. select. p. 55. + — Suffrutilicosa glabra: radiis marginato-tetragonis; foliis breviter petiolatis cuneato-ellipticis vel subspathulatis, glabru setoloso-serratis trfnerviis; floribus axillaribus rnmulos breves bractea-
 *os terminontibiis; calycis purpurci tubo cylindncq-campanulato. limbi lobis lynejribus apice quinquesetulis; petnks. obovatis apice paucisetulis; antherarum connectivo basi <WUM. WoaVcorato. — Crescit in Suriaam. (Wlprs. mss.)

aequalia; antheris subulatis uniporosis, connectivo infra Jocos longiuscule producto arcuato et ultra inserlionem filamenti antice in caltaria duo recurva ascendenlia antheris multo breviora porrecto (an etiam bilobo aut subnullo?), Ovarium globosum subliberum glabrum triloculare. Stylus filiformis, stigmatē punctiformi. Capsula 3-vaJvis. Semina cochleata.— Suffrutex (an suffrutices?) Auslro-Amuricanus et Antillanus, ramosus micranthus: foliis petiolatis ovalis aculis subcordatis serratis septemnerviis; floribus in paniculam laxam basi trichotomam dispositis alaribus terminalibusque solilariis.

1. 'N. AQUATICA Naud. I. c. 28. — *Spennera aquatica* DC. Prodr. III. 116. no. 13. — *lihexia aquatica* Bonpl. — Grscit in insults Antillanis Martinique, Guadeloupe, Porto-Rico, St. Thomas, in Brasilia et in Guiana.

f *Species pentamcræ forsan addendæ:*

- 2?? N. PENDUMFOLIA Naud. I. c. p. 29. — *Spennera pci\dulifolia* DC. — *lihexia ptndw lifoha* Bonpl.
3?? N. GLANDULOSA Naud. I. c. pag.29. — *Spennera glandulosa* DC. — *Rhexia glandulosa* Bonpl.

XIX. DESMOSCEIIS *Naud.*

(Naudin, Ann. des scienc. natur. [Ser. 3.] XII. tab. 14. fig. 2. & XIII. 29.)

Flos pentamerus. Calycis dentes aculi tubum campanulalum aequantes. Pctala obovata subrelusa. Stamina 10 valde innequalia dissimilia, antheris oblongfs. subulatis uniporosis, 5 majorum connectivo infra loculos longe producto et antice in appendices duas filiformes fere loculorum longiludine ultra filamenti inscrtionem abeuntc, 5 minorum breviusculo valde arcuato et simpliciter biauriculato. Ovarium ad medium usque adhaerens apicc villosum quinqueloculare. Stylus filiformis, stigmatē punctiformi. Capsula quinquevalvis. Semina cochleata. — Herba Austro-Americana basi suffrutescens y_a —l-metralis, lota \tilloso-hirsuta: caule' simplici aut ramoso obscure tetragono; foliis breviter petiolatis oblongo-ovatis acutis integerrimis, 5- rarius 7-nerviis; floribus ad apices ramulorum axillarium brevium aggregatis sicque spicam foliosam confertifloram mentientibus rarius paniculam formantibus, purpureis aut albis.

1. *D. \ILLOSA Naud. I. c. 30. — *Mclaslnma villosci* Aubl. — *lihexia villosissima* Bonpl." *Chaetogastra hypericoides* DC. Prodr. III. 132. no. 7. et verisiiniliter *Ch. lychnitoides* et *C. slachyoides* DC. I. c. no. 8. fit 9. — In Brasiliu.

f *Species forsan addendæ:*

2. D. LYCHNITOIDES Naud. — *Chaclogastra lychnitoides* DC. I. c. no. 8.
3. D. STACHYOIDES Naud. — *Chaetogastra stachyoides* DC. I. c. no. 9.

XX. (6199.) ERIVESTIA DC.

(DC. Prodr. III. 121. — Naudin, Annal. scienc. natur. 13. Ser.] XII. tab. 14. fig. 3. ft XIII. 30.)

XXI DICHAETAHTDRA *Naud.*

^ (Naudin, Ann. des scienc. natur. [Ser. 3.] XII. tab. 14. fig. 4. ft XIII. 31.)

Flos tetramerus. Calycis dentes acuti tubo campanulato longiores., Petala obovata. "Stamina 8 altematim inaequalia sub dissimilia, antheris

lineari-subulatis uniporosis, connective* infra loculos Jonge producto (quadruple* longius in staminibus majoribus quam in minoribus) arcuato et antice ultra lilamenli insertionem in appendices duas filiformes subulatas abeunte, 4 majorum appendilibus divergentibus, antherae loculos longitudine subaequantibus, 4 minorum ascendentibus conniventibus quam antherae loculi brevioribus. Ovarium liberum quadriloculare. Stylus filiformis, stigmatibus punctiformi. Capsula haud visa. — *Stiff* frutex Novo-Granatensis erectus: caule obscure tetragono ferrugineo-hirsuto; foliis petiolaribus ovalis v. oblongo-ovalis, tenuiter serrulatis 5—7-nerviis villosulis; panicula paniculisve terminalibus; floribus violaceis aut purpureis.

1. 'D. GOUDOTII Naud. 1. c. 32. f. tt XII. t. 14. fig. 4. — In Nova Granada.

XXII. APPEMICULARIA *Seringe m&s.*

(*Seringe* mss. ex Naudin, *Annal. des scienc. natur.* [3. Ser.] XII. tab. 14. fig. 5. XIII. 32.)

Flos tetramerus. Calycis oblongo-campanulati dentes tubo breviores. Petala obovata. Stamina alternatim inaequalia uniporosa, connectivo infra loculos producto incurvo et ad insertionem filamentum setas duas anthera longiores antice porrectas et divaricatas mutuo, quatuor majorum antheris linearibus arcuatis, connectivo gracili longe producto, quatuor minorum antheris subrectis brevioribus et connectivo minus producto. Ovarium liberum triloculare. Stylus filiformis, stigmatibus punctiformi. Capsula trivalvis. Semina cochleata. — Herba Guianensis annua erecta ramosa hirtella: foliis vix centimetrum longis petiolaribus tenuissime serrulatis; floribus ad apices ramorum axillaribus solitariis secundis, interdum alaribus, albis.

*A. TITMIFOLIA Ser. mss. ex Naudin. 1. cit. — Crescit in Guiana Guayana prope Cayenne.

XXIII. PTEROGASTEIA *Naud.*

Wiactogastrae sp. DC. — *Rhexia* Bonpl. — Naudin, *Ann. des ac. ant.* [Ser. 3.] XII. t. 15. fig. 8. XIII. 32.)

Flos tetra- v. pentamerus. Calycis dentes triangulari-acuti ciliati, lobis alis brevibus denti cuius respondentibus et ciliato-serratis instructus. Petala obovata rotundata ciliata. Stamina petalorum numero alternatim inaequalia consimilia, antheris lineari-subulatis uniporosis, loculis undulatis recurvis, connectivo infra loculos producto, arcuato (unde anthera tota fit. sigmoidea) et ad insertionem filamentum tuberculato. Ovarium ovoideum liberum. Capsula apice setis ovarii coronata et placentas securiformes gerens. Semina cochleata. — Herbae Austro-Americanae dichotome ramosae: ramis tetragono-subulatis; floribus alaribus axillaribusque solitariis purpureis?

*PT. DIVARICATA Naud. I. c. 33. — Pentamera: ramis subtetrapieris divaricatis; foliis oblongo-ovatis ellipticisve integris 3—5-nerviis; capsula quinquevalvi. — *Rhexia divaricata* Jtonpl. — *Chaetogotra divarioata* DC Prodr. HI. 132. — Crescit ad ripas Orinoci et In Nova Granata.

*PT. MINOR Naud. I. o. 33/tt XII. t. 15. fig. 8. — Tetramera erecta: caule gracili dichotome sed non divaricatim ramoso; foliis oblongo-ovatis; capsula quadrivelvi. — Crescit ad ripas Orinoci.

XXIV. (6209.) *MELASTOMA DC.*

(DC. Prodr. III. 109. — Wiprs. Repert. H. 130. — Naudin, Annal. scienc. natur. [3. Ser.] XIII. 33.)

1. *M. CALVESCENS* Naudin l. c. 35. — Ramis supremis hirsutis ferrugineis, velustioribus glabralis; foliis elliptico-lanceolatis. utrinque subacutis tenuissimis serrulatis trinerviis, pagina superiore dense strigosis, inferiore hirsuto-tomentosis; paniculis mediocribus terminalibus; capsulis quadrivalvibus; staminum filamentis styloque glabris. — Crescit in Guiana Britannica ad montem Roraima.

XXV. *HEPHESTIVIA Naud.*

(*Chaetogastra* sp. DC. — *Rhexia* Bonpl. — Naudin, Annal. des scienc. natur. [3. Ser.] XIII. 36.)

Flos pentamerus. Calycis oblongo-campanulati dentes subbreviares erecti persistentes. Petala ovata vel obovata. Stamina 10 aequalia subaequalia, antheris oblongis uniporosis, connectivo infra loculos producto, filamentis glabris. Ovarium basi nonnihil adhaerens ovatum setis coronatum quinqueloculare. Stylus sigmoideus, stigmate punctiformi. Capsula quinquevalvis. Semina cochleata. — Truticuli Antillani et Caroliniani in jugis declivitatibusque montium ignivomorum crescentes, ramosi microphylli submacranthi strigosi, floribus pulchre violaceis purpureisque insignes.

1. *H. STRIGOSA* Naudin l. c. — Ramis tetragonis scabris strigillosis; foliis breviter petiolatis ovalis trinerviis, pagina superiore strigis robustioribus adpressis exasperatis, inferiore in nervis marginibusque reflexis mollius strigillosis; floribus ad apices caulis et ramorum in cymas corymbosas paucifloras congestis. — *Rhexia ornata* B. Bonpl. — *Chaetogastra strigosa* DC. Prodr. III. 134. no. 22. — Paxt. Mag. of bot. XV. 265. (c. ic) — Crescit in insula Guadaloupe ad cacumen montis ignivomi La Soufrière, in insula Martinica et in Carolina Americae septentrionalis.
2. *H. CHAMAECISTUS* Naudin l. c. 37. — Praecedenti nimis propinqua et forsitan non distinguenda: differt petalis late et inaequaliter obovatis glanduloso-ciliatis staminibusque subaequalibus, antheris subulato-oblongis, connectivo infra loculos non arcuato ad insertionem filamentum incrassato et loculis quadruplo brevioribus. — Crescit in insula Martinica ad cacumen montis „Montagne pelee“.

XXVI. *OREOCOSMUS Naud.*

(*Chaetogastra* spec. DC. — *Rhexia* auctt. — Naudin, Ann. des sc. nat. [Ser. 3.] XII. W. 14. fig. 6. & Xlf. 37.)

Flos pentamerus. Calycis dentes tubo campanulato longiores aequaliter saltem aequales lineares angusti. Petala obovata subacuta nee (ut in plerisque *Lasiandris*) retusa. Stamina alternatim inaequalia, antheris subulatis uniporosis, connectivo infra loculos magis minusve producto et antice ad insertionem filamentum bitesticulato, filamentis glabris. Ovarium basi adhaerens quinqueloculare. Stylus glaber, stigmate punctiformi. Capsula quinquevalvis. Semina cochleata. — Suffrutices suffruticulati Mexicani monticolae ramosi: foliis petiolatis ovatis aut lanceolatis floribus magnitudine mediocribus purpureis aut violaceis, rarius albis bracteolatis non autem involucratis.

1. 0. TOHTUOSUS Naudin. J. c. 38. — Fruicosus ramosissimus submicrophyllus: ramis forsam decumbentibus nonnihil tortuosis; foliis petiolatis lanceolatis, utrinque acutis integerrimis trinerviis, pagina utraque setulosis; floribus ad apices ramulorum in paniculas irregulares digestorum solitariis vel subglomeratis albis. — *Chaetogastra tortuosa* DC. — Crescit in montibus Mexicanis prope urbem Tasco ad altit. 2400 metr.
1. 0. MONTICOLA Naudin 1. c. — Suffruticulosus erectus: foliis ovatis subacuminatis integerrimis aut conspicue serrulatis quinquenerviis, utraque pagina villosulis; floribus ad apices ramulorum subcongestis paucis. — Crescit in Andibus Mexicanis prope Oaxaca ad altit. 2000—2700 metr.
- 3- 0. GALEOTTIANUS Naudin 1. c. — Caulibus erectis vel ascendentibus gracilibus tetragonis; foliis ovato-acuminatis acutissimis tenuissime serrulatis subintegerrimisve, utraque pagina pilosulis 3—5-nerviis; floribus ad apices ramulorum axillaribus terminalibusque paucis, non vere in paniculam dispositis. — Variat foliis magis pubescentibus et floribus tenente majoribus. — Crescit in Andibus Mexicanis prope Oaxaca ad altit. 1300-2700 metr.
- * 0. NAUDINIANUS Naudin 1. c. 39. — Frutescens erectus: caule ramisque teretibus siccis et foliorum utraque pagina villosis; foliis lanceolatis subacuminatis, basi subacutis integerrimis vel tenuissime serrulatis quinquenerviis; floribus numerosis in paniculas terminales foliosas digestis. — *Chaetogastra Naudiniana* Dene. *Revue hortic.* 1847. p. 86. — Crescit in provincia Oaxaca reipublicae Mexicanae.
5. 0. GHIESBRECHTII Naudin 1. c. — Frutescens erectus: caule ramisque obscure tetragonis hircillis; foliis ovato-lanceolatis acuminatis tenuissime serrulatis villosulis, adjecto utroque nervulo submarginali quinquenerviis; floribus majusculis ad apices ramulorum in paniculas corymbiformes digestis. — Crescit in provincia Mexicana Oaxaca.

XXVII. LUSTANDRA DC.

(*Lustandra* ft *Pleroma* DC. Prodr. III. 127. — Wlprs. *Beper.* II. 128. V. 700, *Ann. bot. syst.* I. 297. — Naudin. *Ann. sc. nat.* 13. Ser.] XIII. 125.)

A. DICRANOPUS Naudin 1. c. 126.

Herba basi lignosa vel fruticulosa erecta subsimplex strigillosa: floribus pentameris; staminibus disparibus, 5 majorum connective longiuscule producto et antice in calcaria duo ascendentia producta, 5 minorum breviter et simpliciter bitesticulata, filamentis styloque glabris.

* L. CALCARATA Naud. 1. cit. 127. f — Caule tereti subgracili; foliis subparvis petiolatis late lanceolatis, utrinque acutis subintegerrimis integerrimisve, supra sublusque setoso-strigillosis trinerviis: floribus ad apices ramulorum axillaribus solitariis ternis. — Crescit in Boliviae provinciis Cochabamba et Yurara.

B. SIMPLICICAULES Naudin J. c. 127.

Herbae erectae: caulibus simplicibus; foliis sessilibus aut breviter petiolatis; floribus pentameris paniculatis; calycibus suburceolatis; staminum filamentis glabris. — {*Chaetogastrae* species DC. ft Mart.)

2. * L. HIERACIODES Naudin 1. c. 127. — *Chaetogastra hieracioides* DC. 1. c. 133.

3. L. NUDICALIS Naud. 1. c. 128. f — Caule basi tantum folioso, mox scapiformi nudo vel foliolis duobus paulo infra flores instructo, pilis nigrescentibus hispido; foliis breviter

- vissime petiolatis subsessilibusque elliptico-ovatis subaculis fere integerrimis 5 — 7-nerviis, utrinque villosis; floribus paucis in axillis bractearum solitariis aut terminalibus subternis lilacinis. — Crescit in enmpis provinciae Minas Gera6s.
4. L. VILLOSA Naudin 1. c. 128. f — Caulc tetragono hirsuto; foliis subsessilibus cordiformi-ovalis subacuminatis subintegris, mraque pagina villosis septemnerviis; paniculao terraiflnlis ramis plerumque irifloris. — Crescil in Drasiliae, provincia St. Pauli.
5. 'L. (CIAETOGASTRA DC 1. c. 133.) GKACILIS Naudin 1. c. f — *Ch. fraterna* Marl. — DC. 1. c. — *lihexia Agrostemina* Mart. fit Schr. mss.
6. L. PULGHELLA Naudin 1. c. 129. + — Herbacca erecta nil inflorescnciam usque sim-pttcissima oligophylla: caulo leretiusculo villoso - birsulo; foliis subsesailibus ovalo-ellipticis obtasis acutisque crenulato - semilatis 5 — 7-nerviis, pagina ulraque setulis malpigfaceis villosa; floribus ad apiees ramulorum axillirium in paniculam termina-lem fere dispositorum arete glomeratis pulchre violaccis; calycibus villosis, dentibus persistenlibus cum deniiculis totidem parum conspicuis inlcrjctis allernantibus. — Grescit in Brasilia australi.

C. URCEOLARIA Naudin 1. c. 130.

Herbaceae simplicaules: floribus paniculatis pentameris; calycis dentibus linearibus, tubo urceolato vix brevioribus; slaminum filamentis styloque glaberrimis.

7. L. URCEOLARIS Naudin 1. c. f — Herbacea erecta subsimplex oligophylla macrophylla: caulo tetragono inter nodos fistuloso sparso hispidulo; foliis breviter peiolalis ovalis acmis, basi cordatis, argute duplicato-serratis 7—9-nerviis, pagina superiore pilis cuudalis fere malpigbiaceis hispidula, inferiore inter nervos nervulosque sparse sclolusos glabra; floribus in paniculam terminalcm paucidorom dispositis purpureis aut violaccis; calycibus urceolatis muricato-hispidulis. — Crescil in Brasilia australi.

D. MACRODOX Naudin 1. c.

Frutescentes ramosae: floribus penta'meris; calycinis dentibus subfoliaceis mollibus, tubo fere longioribus, slaminum filamentis glabris.

8. "U SARMENTOSA Naudin 1. cit. f — *Chactogastra scmmentosa* DC. 1. c. — Crescit in Pcruvia.

E. MAUROCARPUS Naudin 1. c. 131.

Frutescentes ramosae: floribus pentameris; calycinis dentibus brevissimis; slaminum filamentis glabris; calyce fructifero carnosul° atropurpureo.

9. L. PLEROMOIDES Naudin 1. cit. 131. f — Fruticosa vel sulTruticosa: ramis junioribu⁸ birtellis, vetuslionlnts excoriatis glabralisque; foliis petiolatis ovatis subacuminat⁹ vix conspicue crenulato-serrulatis quinquenerviis, pagina superiore inter nervos strigosis, inferiore pilosulis et foveolatis, paniculis brevibus paucifloris terminalibus⁸ rarius axillaribus. — Crescit in Pcruvia.

F. DENDROIDEAE Naudin 1. c.

Fruticosae, nonnihil breviter peiolatis vel subsessilibus, saepe strigosis; floribus pentameris

calycinis dentibus tubum s'ubaequantibus; staminu/n filamentis glabris
nut pilosis.

10. L. DENDROIDES Naudin 1. cit. pag. 132. f — Fruticosa ramosissima microphylla: ramis junioribus strigillosis, vetustioribus excoriatis; foliis breviter pcliolatis elliptico-ovatis subacutis integris, utraque pagina sed supra praesertim slrigoso - aspori9 irinerviis, nervis subtus promfmentibus; floribus nd apices ramorum aggregates paucis — Crescit in Brasilia ausirali.
- H. *L. ASPERIOR Cham. — Wlprs. Repert. II. 128. no. 5. — Nnudin I. c. 132. f
12. 'L. CARDINALIS Naudin 1. c. f— *Chaetogastra cardihalis* DC. 1. c. 134. — *Osbeckia parnassiaefoUa* DC. 1. c. 140?

G. SPIAEROCARPUS Naudin 1. c. 133.

Sufrutescentes: caule letraplero; floribus pentameris; calyce subglobo-
soso, dentibus brevibus; filamentis pilosulis.

13. L. TETRAPTERA Naudin 1. cit. f — *Erccia simplex* (?): caule 4-pterw; foliis petiolatis oblongo-ovntis subacuminalis aculis integerrirais, supra velutinis, subtus soriceo-albicantibus, 7—9-nerviis; panicula terminal!.— Crescit in Brasilia meridianaK, Serrados Orgaos.

H. MARTIALES Naudin 1. c. 133.

.Herbaceae vel frutescentes, simplices aut ramosae: foliis sessilibus; floribus pentameris, braclea duplici caduca involucralis, panicula(is); calycis dentibus obtusis tubum aequantibus deciduis; filamentis pilosi^.
Plantae exsiccatae lutescentes.

- ¹⁴ 'L. MARTIUSIANA DC. I. c. 127. — Naudin 1. c. f
- ¹³ 'L. TRIFOLIA DC. 1. c. 127. — Naudin 1. c. 134. f — *L. frigidula* DC. I. c. — *L. Martiaua* Cham. — Wlprs. Repert. II. 12». no. 2.
- ¹⁶ L. VERTICIL LA JUS Naudin 1. c. 134. f — Subherbacea erecta siimplicissima (an^s emper?): caule trigono slrigoso; foliis ternatis scssilibus, infimis suborbicularibus, superioribus elliptico-oblongis aculis, omnibus integerrimis trinerviis, supra ad margin GS potissimum sciulosis, subius scabris; paniculae terminalis pauciflorae ramis uti—trifloris. — Crescit in enmpis elatis Drasiliae australis.

I. BRACIYPODAE Naudin 1. c. 134.

Fruticosae ramosae: foliis brevissime peliolatis sed non sessilibus; onbus 5-meris et 4-meris; calycinis dentibus subacutis tubum raequantibus deciduis; staminum filamentis barbato-pilosis. Sectio
Praecedenti valde affinis.

- J' - * L. MARTIALIS Chamisso. — Wlprs. Repert. II. 128. no. 3. — Naudin 1. c. +
- ¹⁸ L. RIEDELI Naudin I. cit. 135. f — Erecta ramosa quadrinervia submicranlha: ramis 'etragonis strigosis; foliis late ellipticis .obtusis vel apiculatis subintegerrimis, quinque-nerviis, utraque pagina setuloso - strigillosis; paniculis terminaUbus parvis; peduncUus axilla,rlbiis 1—3-floris. — Crescit in Drasiliae provincia Minas Geracs.

J. ANGUSTIFOLIAE Naudin 1. c.

.. Fruticosae: foliis angustissimis; floribus 5-meris; staminum filamentis styloque parce setulosis.

- ¹⁹ L. ANGUSTIFOLIA Naudin 1. cit. 135. f — Fruticulosa, fastigiati ramosa: ramis tetragonis ad arigulos strigillosis; foliis subsessilihus liocaribus pro genere **angustissimis**

obtusis miigimbus tevolutib uruncivns j>tri&osia flonbus ad apices laniulorum termi-
mlibus solil inis MOUCCIS ciljcibus setoso-bispidissimis —Crescit in montibus Sem
do Fiio piOMnciae Minis Gci its in Biaslln

K MACROGSTRAI Niuihn 1 c 136

Snbliubaciae \tl fiulscetntcs (olns ptfioldtis, flonbus 5-nitric,
biacteolis brcwbub aut an^ustis floics non \cre imolucranlibiis calycis
flenlibus tiibo obloiuo |t| subcampaiitilato manifesle brewonbus deci-
diis filamenhs pilosis aul glabns

20 L GAUDICHAUDIANA DC 1 c — Naudin] c 136 f

21 *L OBSCURA flnmisso — Wlpis Repcil U 128 no 4 — iSaudin I if ,

22 L SULCATA <S mdm 1 cil 137 f — Subliiib\cci' creaa cuile ilternalim hint ct
inde comptesso et siileilo id no los -setoso scdbnuj.culo foliib ovtlo-oblongis acutis,
basi rotundiis iriic^eiumis quinquenr\is pigma supeuorc adpres^c brexiterque se-
lulosi scdbnusculi's pamcuh terminal! baud conferta — Cicscit in Brasilia sep-
tentuomli

23 I SPOFIA1\ rsiiflin I c 137 f*— SulliuTJcoso ciccta lumosn caulo ramisque sub
tiling ins hnio |nl sec mil us f Ins 1 lon^o i vnim sulnt ulis bnsi loliintlutls into-
E<rmnis ') 7 TUJMIS uli I pic | ^iti i ad|i(sse]M\I(CI<|UO MIOSIS subsenceis poni-
cula Iciui/Mili ptium confciii — (.itsui in Hi isilii meudionoli prope Rio de Jnneiro

Zi L THAI A(ItOSTI MON N ludm 1 cit 137 f — buflrutiosa hirlolla foil is oblongo-
ovatis Klin's mtegeiMinis qiinqueiemis pubescetibus denlibus calveinis tubo feime
inplo bicMonbus si iminuin Illanicniis glabermnis — Gicscit m America acquatlonali

25 I LLFISCLINS ^ ludm 1 cil 137 f — I1 ulicosi creclo porum ramosa ram is tclia-
goius luit(li> Tolns bicvi((i polioluis ovniis vcl ovalo-ollipticis ncuiis intogri!> quin-
quenorMf? pigmu supeuorc stibicllis infeilorc lulesrenti villosuhs subsencoisqne
pimculis tuminalibus — desert in. Brasiln inciidionoli propt Rio de Janeiro

Zh I ANNUI AtllS Nauilin 1 cil 138 f — fiulicost lamosa rnnis junioubus subcom
JMCSSIS subitti i{,om^(pic lincillis, demum subglabi ills ad nodos praetipue sells Ion
gionbu^ nnnul itib fjln^ o\ aio - ublon^is atumntib inlcgeiumis, ncrvo utroquo inai-
ginili adjecto quinqiif nci vns | a^ma supoiioro ndprossissimo setulosis non aulem
stdbns infcuoii; glabns >cl ^Inbiatis pimculis triumalibus bro\ibus pnruin confortis
— Crescit in Brasiliao provncia Minas Gera/s

27 'L MAXIMILIAN A DL 1 c 128 — Mail Nov gen t 240 — Naudin 1 c 138 f

L MICORirERV* ISamlm I c 139

hiuU scenlts \cl suilMj!cs(ente<., habilu | mo_p imcranlliac cL macidii-
tlne, paniculalac tt subunifloia(pentamciae connectivo slaminum in
inseihom filamenli ^landulifcro. Proptei diversitatem habilus sic
dividunlui

a Pamculae miianlhac vrl subnucianthae siylo va ciscilo

8 L HOLOSrRICLA Naudin 1 ul 139 f— Iiulescens crocli tota mollissimc villosa-
sencea candicans ciule cauljbus(o t>impiiciJus? tetragonis, folus brevilci petiolatis
ovaio - acummatis basi coidaiis sopicinnerMis pagiou supeuorc sencto-niicniibus, m-
fenoro inagis (ano tomentOMs^ panicula terminnli magni conferta aphylla purpurae*
cento floubus pat vis — Crescit in Brasiliae piovincia Winas GeraCs

29. *L. MACROPHYLLA DC. 1. c. 128. — Naudin 1. c. f
30. L. MACROPHYLLA Naudin 1. c. 110. f It XII. 1.14. fig. 7. — Herbacca bnsi suffrutescens erecta simplex \cl parum ramosa: foliis majusculis petiolatis late ovatis subacutis integris 5—7-nerviis, pagina superiore scabra, inferiore tomentosa canescentiej panicula terminali, ramis subcorymbosis. — Crescit in Brasilia australi propc Rio de Janeiro.
31. V. GARDNKRI Naudin 1. cii. XIII. 140. + — Fruescens: caule? ramisve tetragonis tetrapicris; foliis petiolatis ovato-acuminatis longis, basi cordato-auriculatis integerrimis quintupli — sepiuplinerviis, pagina superiore scabrellis, inferiore tomentellis; panicula terminali, ramis subcorymbosis; floribus parvis. — Crescit in Brasiliae provincia Ceara.

6. Macranthae pauciflorae aul rarius paniculatae: stylo sarpius exserto.

32. L. LANCEOLATA Naudin 1. cit. 140. + — Fruticosa ramosa scabrella macrantha: foliis petiolatis lanceolatis, utrinque acutis integerrimis praetermisso nervo utrinque adpretse setulosis; paniculis axillaribus et terminalibus. — Crescit in Brasiliae provincia Minas Geraes.
33. L. MUCORIFERA Naudin 1. cit. 141. f — Fruticosa ramosa: ramis villosis - hirsutis rufescentibus; foliis petiolatis inaequalibus, marginibus serratis integerrimis quinque-nerviis. **pagina superioris serratis, inferioris villosis; floribus nudo explicatis hinc inde ovatis acuminatis purpureis caducis involucris axillaribus terminalibusque, solitariis—ternis, interdumque subpaniculatis.** — Crescit in Brasiliae provincias Minas Geraes et Sancti Pauli.
34. *L. MORICANDIANA DC. 1. c. 128. — Naudin 1. c. 144. f It XII. t. 15. fig. 9. — L. *dimorphandra* Miquel, Linnæa XX. 539.
35. L. TKRMJNALIS Naudin 1. c. 142. f — Fruticosa creta, parum ramosa: foliis petiolatis oblongo-ovatis ovatisve subacuminatis integerrimis quinque-nerviis, pagina superiore scabrellis, inferiore adpressis villosulis; floribus terminalibus solitariis—(ternis?) — Crescit in Brasiliae meridionalis provincia Rio de Janeiro.
36. L. MATTHAEI Naudin 1. c. 142. f — Fruticosa: ramis supremis tetragonis; foliis petiolatis oblongo-lanceolatis acuminatis, vix manifesto serratis quinque-nerviis, pagina superiore praesertim serratis setulosis; panicula paniculata pauciflora. — Crescit in Peruvia.

M. SEMCOPIYLLAE Naudin 1. c. 142.

Frutescentes vel suffrutescentes 5-merae vel 4-merae: foliis sessilibus vel breviter petiolatis villosis-sericeis; floribus paniculatis; calycinis dentibus acutis tubo ut plurimum brevioribus; staminum connectivis tuberculatis, filamentis parvis breviterque pilosis.

37. *L. ARIENTEA DC. 1. c. - Naudin 1. c. 143. +

38. L. LONISTYLA Naudin 1. c. 143. f — Fruticosa creta ramosa: caule alato-tetragono rufescenti-puberulo, ad nodos foliis patentibus coronato ^ foliis petiolatis ovatis acutis vel subobtusis, basi parum cordatis integerrimis, pagina superiore adpressis sericeis nitentibus, inferiore canescenti - tomentellis septem-nerviis; panicula terminali pyramidalis. — Crescit in Brasilia septentrionali propc Bahiani.

39. L. CORDIFORMIS Naudin 1. c. 143. f - Fruticosa: ramis suberectis dense villosis - hirsutis; foliis brevissimis petiolatis ovatis subacuminatis, basi cordatis 5—7-nerviis utrinque velutino-sericeis; panicula terminali; floribus nil apices ramulorum dichotome congestis. - L. *filifera* Mart. mss. (neo alior.) - In Brasilia septentrionali.

40. L. SERICEA Naudin 1. c. 144. f — Fruticosa: ramis junioribus dense villosobirsutis; foliis brevissime petiolatis late ovatis subacuminatis, basi subcordatis 5-nerviis, utrinque villososericeis; panicula terminali; floribus terminalibus. — Crescit in Brasilia.
41. L. VELUTINA Naudin 1. cit. 144. f — Fruticosa ramosa: ramis supremis tetragonis sericeis; foliis subparvis petiolatis oblongo-ovatis acutissimis quinquenerviis, supra velutinis, subulosis sericeis; paniculis terminalibus parvis paucifloris. — Crescit in Brasilia septentrionali prope Babiam.

N. INVOLUCRALES Naudin 1. c. 144.

Frutescentes vel fruticosae: foliis petiolatis oblongo-ovatis; floribus 5-meris bracteis 2 vel 4 vel pluribus caducis ante expansionem involucratibus; calycis dentibus saepius deciduis et tunc tubum truncatum limbo circumferentibus.

a. *Involucrum in calyptram duplicem conflatum, basi lateribusque lacrum, caducum.*

42. * L. DIPLOSTEGIUM Chamisso. — Wlprs. Repert. II. 129. no. 11. — *Diploslegium canescens* Don. — DC. I. c. 152.

b. *Involucrum Irractae liberac nee inter se coalitac.*

43. L. MUTABILIS Ricdcl mss. ex Naudin 1. c. 115 f — Fruticosa macrantha: ramis junioribus puberulis interdum rufescenti-hirsutis, vetustioribus calvescentibus; foliis petiolatis elliptico-lanceolatis acutis, integerrimis quinquenerviis, utraque pagina superior e aequali praesertim scaberrimis; floribus ad apices ramulorum plurimum solitariis. — Crescit in Brasiliae provincia Sancti Pauli.
44. L. SELLOWIANA Chamisso. — Wlprs. Repert. II. 129. no. 14. — Naudin 1. c. 145.
45. L. VERSICOLOR Naudin 1. cit. 146. f — Fruticosa a basi ramosa: ramis magis minusve tetragonis scaberrimis; foliis petiolatis elliptico-lanceolatis, utrinque acutis integerrimis trinerviis adpressis et vix conspicue strigillosis scabris; floribus ad apices ramulorum terminalibus solitariis. bractea quadruplici involucrali versicoloribus; calycibus sericeo-villosis albicantibus, dentibus obliquis caducis, tubo paulo brevioribus. — Crescit in Brasiliae provincia St. Pauli.
46. * L. TIBOUCHINOIDES DC. 1. c. 128. — Naudin 1. c. 146.
47. L. SPATHULARIS Naudin 1. c. 147. f — Fruticosa: ramis supremis subcompressis; foliis petiolatis ellipticis ovatisque obliquis, rarius subacutis integerrimis trinerviis adpressis brevissimisque selulosus ideoque fere glabris; floribus in ramulis supremis paniculatis dispositis alaribus terminalibusque involucralibus; foliolis paniculae ramulorum fulcra fulcra spatulatas multatis. — Crescit in Brasiliae provincia St. Spiritus.
48. L. NIGRESCENS Naudin 1. c. f — Fruticosa vel frutescens: ramis ferrugineo-hirsutis, junioribus tetragonis, vetustioribus erectiusculis fistulosisque; foliis petiolatis elliptico-lanceolatis, utrinque acutis integerrimis, pagina superiore fere omnino glabris, inferiore multo villosis, praesertim nervulis marginalibus trinerviis; floribus in panicula terminalibus paucifloris digessis. — Crescit in Brasilia.
49. L. FOVEOLATA Naudin 1. c. f — Fruticosa: ramis supremis tomentoso-hirsutis rufescentibus; foliis petiolatis lanceolato-ovatis acuminatis acutis tenuissime crenulatis subintegerrimisque, adpressis nervis submarginalibus quinquenerviis, pagina superior tenuiter bullato-strigosa, inferiore villosulis et inter nervulos transversos foveolatis; floribus ad apices ramulorum solitariis terminalibus, bractea quadruplici ovato-acuta involucrali, violaceis. — Crescit in montibus Serra Negra ad provinciarum Rio de Janeiro et Minas Geraes in Brasilia.

50. L. COLL IN A Naudin I. c. f — Fruticosa subarboriformis macrantha brachystyla: ramis junioribus subtectibus adpresse villosa-ferruginea rufescentibus, v. tustioribus glabralis; foliis petiolaris ovatis interdumque orbiculari-ovatis subobtusis obtusis-que quinquenerviis, pagina super/ore inter nervos seriatim et ad margines strigis aliquot brevibus exasperatis, inferiore seluloso-strigillosis; floribus ad apices ramorum solitariis—tornis, rarius quinis, bractea duplici anie cipationem involucratis pulchre violaceis; calycibus seioso-hispidis. — Crescit in montibus provinciae Brasiliae Minas Gernes.

51. L. MULTICEPS Naudin I. c. 149. f — Fruticosa vel frutescens- ramis supromis hirtiferrugineis; foliis petiolaris elliptico-ovatis aculis subintegerrimis, pagina superiore strigilloso-scabris, inferiore villosis quinquenerviis; floribus numerosis, ad apices ramulorum ternis quinive aut paniculas paucilloras*brmanibus; involucri bracteis binis laic ovatis obtusis extus villosis. — Crescit in Brasiliae provincia St. Pauli.

^{5*} *L. OXYPETALA DC. 1. c. 128. - Naudin I. c. f — *L. andina* Popp. mss.

S3- "L. FONTANESIANA DC. 1. c. — Naudin I. c. 150. f — /- *Langsdorffiana* DC. 1" c.

^{**} L. RIGIDULA Naudin I. c. 150. f — Fruticosa • ramulis obscure tetragonis dense rufescenti-hirtis velutinisque, mox excoariatis et glabratis; foliis breviter petiolaris rigidulis aut subcoriaceis late ellipticis obtusis et subacutis integerrimis, adjecto ulroque nervo submarginali quinquenerviis. pagina superiore strigilloso-scabra, inferiore hirtovelutina rufescente: floribus *m* paniculas terminalis breves paucifloras dispositis caeruleo-violaceis; calycibus sericeo-villosis, bracteolarum involucro mature nudatis. — Crescit in Brasilia australi.

^{**} L. WEDDELLII Naudin I. c. 151. f — Fruticosa: ramis subtectibus strigis brevibus adpressis sparse vestitis; foliis petiolaris ovatis acuminatis aculis. basi rotundatis subintegerrimis, praetermisso nervulo utroque marginali parum conspicuo trinerviis. supra vix perspicue setulosis idcoque primo aspectu glabris, eubus praesortim in nervis adpresse setulosis; involucri foliolis binis ovalis acuminatis purpureis aut violaceis; floribus terminalibus ut plurimum solitariis — Crescit in montibus Serra d'Estralla Brasiliae australis.

^ ' L. SEMIDECANDRA DC. 1. c. — Naudin I. c.

⁵⁷ « L. MACROCARPA Naudin I. c. 152. + — Fruticosa elata ramosissima mcranla raa-crocarpa. ramis boinotinis tantum foliosis hirsutis, annotinis denudolis moxque excoariatis nodosis; foliis petiolaris ovatis acuminatis aculis, tenuissime serrulatis subintegerrimis-que quinquenerviis, utraque pagina villosa-velutinis; floribus ad apices ramulorum solitariis bractea sextuplici involucratis purpureis aut violaceis; calycis dentibus enducis, (ubo ovoideo-oblongo subaequilongis). — Crescit in Brasiliae provinciae Minas Geraes in Serra do Popogayo ad altit. 2000 metr.

⁵⁸ L. « CLAUSSENI Naudin I. c. 152. f — Fruticosa: ramis subtectibus rufescenti-hirtis; foliis subrigidis breviter petiolaris omnino ovalis subacuminatis. basi rotundatis, integerrimis aut vix perspicue serrulatis, adjecto nervo ulroque marginali soplemnerviis (nervis intermediis basi coalitis) supra adpresse strigilloso-villosis, subtus molliter villosa-velutinis; ramulis unifloris fere in paniculas parvas dispositis; calyce ^e*plicato involucrum diphyllum superante. — Crescit in Brasiliae provinciae Minas Geraes.

0. TIBOUCHINA Naudin I. c. 153.

Frutex ramosus scaber: flores pentameri, involucro duplici, utroque [^]aculis duabus connatis constante cincti; dentes calycini rigidi acuminati ^{is} persistentes; ~~stamina filamenta~~ [^]aberrima.

*. *L. TIBOUCHINA Naudin I. o. + — *Tibouchina aspera* DC. 1. c. 143.

P. BARBIGERAE Naudin 1. c.

Snfrutscentes frutescensque asperifoliae micranthae et submacranthiae peniamerae: staminum connectivo ad insertionem filamenti selis sen pilis varie \ergentibus terminato; floribus involucre proprie dicto .sac>piu%deslitulis.

60. L. AEGOPOGOX Naudin 1. c. 153. f — Suffrutescens subherbacea basi lignosa, iota strigis adpressis asperata, submacrantha; caule subsimplici tereti; foliis paucis majusculis petiolatis oblongo-ovatis subobtusis acutisve integerrimis quinquenerviis (interius lateralibus basi conlitis). utraque pagina, sed in nervis subtus et in margine praesertim strigoso-scaberrimis rigidis; floribus ad apices ramulorum paniculae magis minusve corymbosae congestis bracteolisque brevibus basi nullis. — Crescit in Brasiliac provincia Minas Geraes.
61. L. MELASTOMOIDES Naudin 1. c. 154. f — Suffrutescens erecta. simplex? lota strigis adpressis exasperata: caule tereti; foliis remotis breviter petiolatis lanceolato-oblongis acutis integerrimis, adjecto utroque nervo submarginali quinquenerviis, utrinque sed in nervis subtus et margine praesertim strigosis; floribus majusculis ad apices ramulorum paniculae coarctatae et interruptae congestis, basi bracteolis aliquot involucre. — Tum fere formantibus fulcralis. — Crescit in Brasiliac provincia Goyaz.
62. L. EXASPERATA Naudin 1. c. f — Suffruticulosa erecta simplex, tota petalis genitalibusque exsertis strigis lepidioidis malpighiaceisquo adpressis asperata: caule tereti; foliis breviter petiolatis ovato-ellipticis acutis subobtusisque integerrimis, praetermisso utroque nervulo marginali quinquenerviis; floribus termis quinque ad apicem caulium* glomeratis violaceis; calycibus palaceo-strigosis. — Crescit in montibus dictis Peruvianos provinciae Goyaz.
63. L. POGONANTHERA Naudin 1. c. 153. f — Fruticosa ramosa scabra micrantha (pro genere): foliis breviter petiolatis ovato-oblongis acutis, basi rotundatis rariusve subcordatis integerrimis, praetermisso nervulo utroque submarginali trinerviis, utraque pagina scaberrima, nervis autem subtus strigosis; paniculis terminalibus confertis; bracteolis parvis illorum basin fulcrantibus. — Crescit in Brasilia.
64. L. LEPIDOTA Naudin 1. c. f — Fruticosa erecta: caule subtereti superne ramoso lepidoto-stigiloso; foliis petiolatis ovatis acutis integerrimis quinquenerviis, utraque pagina sed superiori praesertim dense strigiloso-sctosis, nervis subtus sctoso-lepidotis; floribus ad apices ramulorum et caulium glomeratis, bracteis quadruplici basi fulcralis; calycibus sctis Lepidotis dense vestitis. — Crescit in Peruvia.
65. L. BARIUGERA Naudin 1. c. f — Fruticosa ramosa scabra micrantha (pro genere): ramis teretibus adpresse strigiloso-asperis; foliis breviter petiolatis laevibus ellipticis aut ovato-oblongis obtusisve integerrimis quinquenerviis, utraque pagina adpresse scaberrima, inferioris autem nervis strigosis; floribus ad apices ramulorum paniculatis dispositis dense glomeratis, bracteolis parvis fulcralis. — Crescit in Brasilia centrali.
66. L. RIPGNICILLATA Naudin 1. c. pag. 156. f — Fruticosa ramosa: ramis homo tin is apice tantum foliosis singillolis, anuotinis denudatis exoriatis; foliis oblongo-ovatis acutis integerrimis, adjecto nervo utroque marginali quinquenerviis; paniculis terminalibus multifloris; calycibus lepidoto-strigosis; antherarum omnium connectivo basi posite lateralibusque sctosis, ad articulationem filamentum anlice in appendices duas setoso-penicillatas porrecto. — Crescit in republica Venezuelensi ad altitud. 400—1000 mtr.

Q. INCERTAE SEDIS.

67. ⁴L. DUBIA Chamisso. — Wlprs. Repert. II. 128. no. 6. — Naudin 1. c. 157.
68. *L. SALVIAEFOLIA Chamisso. — Wlprs. 1. c. 129. no. 7. — Naudin 1. c.

69. • L. STENOCARPA DC. I. c. — Na'idjn I. c.
70. L. POPYRIFERA Pohl. — Naudin I. c. f — Arborescens: caulis mmoi unique velu>tiorum cortice in membranas tenues candicantes pnympccas solubili; foliis peiolatis elliptico-oblongis inlegccrrirais, adjecto utroque nervulo marginali quinquenerviis, utrinque sed pagina superiore pracsertim strigilloso - scabris; paniculis terminalibus; calycis arf-presse strigilloso denlibus tubo multo brevioribus per&isiontibus. — Grescit ifl. Brasilia australi in rupibus montium Serra Dourada.

| *Specios addendac rvisendae.*

71. L. STRIGILLOSA Naudin I. c. 158. (*Chaetogastra strigillosa* DC.) — 72. L. FISSINER-VIA DC. — 73. L. KUNTHIANA DC. — *Pleroma hnnthianum* Paxt.? — Wlprs. Reperi. V. 703. — Hook. Bot. Mngaz. lab. 4412. (nee 4912) — 74. L. AEMULA DC. - 75. L. IYGRPHFLA DC. — 76. L. IIOSPITA DC. - 77. L. MACROCTHTON DC. — 78. L. THEREMINIANA DC. - 79. L. CANDOLLEANA DC. — 80. L. RADDIANA DC. — 81. L. PROTEAEFORMIS DC. — b2. L. URVILLEAN^ DC. — 83. L. FOTHERGILLAE Cham. (Wlprs. Report. II. 129. no. 7.) — 84. L. PILCHRA Cham. (Wlprs. I. c. no. H.) — 85. L. URSINA Cham. (Wlprs. I. c. no. 16.) — 86. L. MOLLIS Cham. (Wlprs. I. c. no. 12) — 87. L. PETIOLATA Grab. (Wlprs. I. c. no. 9.) — 88. L. COERULEA Rchb. (Wlprs. Reperi. II. 128. no. 1.) — 89. L. LHOTSKYANA Prsl. (Wlprs. I. c. 129. no. 10.) — 90. L. MURICATA Prsl. (Wlprs. I. o. 130. no. 17.) — 91. L. OSBECKIOIDES Sleudel. (Wlprs. I. c. V. 700. uo. 1.) — 92. L. HETEROMALLA Naudin. (*Pleroma heteromallum* DC.) — 93. L. VIMNEA Naudin. (*Pleroma viminoum* DC.) — 94. L. VIL-LOSA Nnudin. (*Pleroma villosum* DC.) — 95. L. LEDIFOLIA Nnudin. (*Pleroma ledifc Hnm* DC.) — 96. L. LAXA Naudin. (*Pleroma laxum* DC) — 97. L. TRICHOPODA Naudin. (*Pleroma trichopodum* DC.) — 98. L. VIRGATA Naudin. (*Pleroma virgatum* Gardn. — Wlprs. Reperi. II. 917. no. 2.) — 99. L. ECIINATA Naudin. (*Pleroma cchinalum* Gardn — Wlprs. I. c. no. 3.) — 100. L. ELEGANS Naudin. (*Pleroma elcgans* Ganln. — Wlprs. I. c. no. 4. — Paxton. Mag. of bot. XV. 27. (c. ic.) — 101. L. MULTIFLORA Naudin. (*Pleroma multiflorum* Gardn. — Wlprs. I. € no. 5.) — 102. L. AR-UOREA Naudin. (*Pleroma arboreum* Gardo. — Wlprs. I. c. no. 6.) — 103. L. CORYM-HOSA Naudin. (*Plei'oma corymbosum* Bnlh. — Wfprs. Reperi. V. 703. no. 1.)

*^{Oi} 1^ SERICANS Miqu. Linnaea XXII. 538. f — Rainis oblusangulis vel faciebus 2 concavis, 2 convexis, apprcsse rufulo-hirtellis; foliis modice peiolatis elliplico-lancco-'mis vel lnnceolato-oblongis ntenuato-acutis, irinerviis sed nervis extimis prope basin hifldis minquenerviis (in majoribus utrinque nervo siibmarginali tenuissimo), supra •ipresse seiulo<*is, subius incano-sericcis; floribus terminalibus lerrlis; calycis ovati *ppresse incano - hirti dontibus lanceoiatis; petalis amplis late obovatU (violaceis); fl'amentia pilis capiellalis hirsutis. — Similis *L. salviaefoliae*. — Crescit in Brasiliae provincia Minas Gerafis.

¹⁰³ L. REGNELLII Miqu. I. ch. 539. f — Ramulis subalato - tetragonis, petfolis foliisque supra appresse selulosis; **foliis** breviiier petioJatis eJliptico - vd Jonceolato - oblongis niucronato - acutis trinerviis cum nervis subiuarginalibus onosiomwibus subobtectis, subius in nervis mollilcr hirtellis, inter eos pubesceniibiis, in sicco lutescentibus; floribus terminalibus paniculalis, vulgo ternis, pedunculftis; calycis aliguste camponu-^{ld}ii appresse molliier selosi nlbicantis lobis linoaribus, carina hinis, nuirginibus gln-[^]is ciliotis: petalis obovatis, rariter **ciliolatis**; fl'ameniis pilosis: stylo glabro. — ^{Cre}scit . . . (i_n Brasilia ?)

¹⁰⁶ « L. DIMORPHANDRA Miqu. I. cil. 539. f — Ramulis subleirogonis, petiolis foliisque subtus in nervis rufulo-hirtellis. bis oppositis longiuscule pctiolalis ovnto- vel oblongo-**lancco**lariis subacuminato - acutis, inferioribus quandoque ovalo - oblongis, trinerviis, **nervis** extimis paulo supra basin bifldis fere quioquenerviis, supra appresse setulosis, **subtus** sericeo - pubescentibus; **Aoribus** azillaribus el lerminalibus; braceis magnis

subcoloralis cañci* nppresse setosi siibompanulato-uiceohni dcentibus 5 latis abrupte
 .luimintis lubu brevionbus, sliminum iniequilongoiuni tilmicnti* pilis tapilellali>,
 connective anlheuiium bie\ioium bitium, longiommo obsolete biaunculato, omnium
 pidiclldti* glanduhs mstiucto — Credit in Brasiliae provmciã Minas Gerae's.

- 107 L' HIRSUTA Naudm (*CliacUxjasha hinutu* DC) — 108 I, ALBIFLORA fcaudm
 (*Maoma albt\oiinn* G irdn — Wlpis Ropeit H. 917 no 1) — 109 L BLMIM-
 MIA^A ftaQdin {*Vlcroma limthamianum* Gardn — Wlpis 1 c 918 no. 2)

WVIII (G219) MLBIiA^TOJWIA *Ihum*

(DC rioili 111.114 — Wlpis Repoit.11 132 V 703, Ann bot s>sl 1.299 — Naudin,
 Ann st iiatui 3 Ser] \UI H3)

\ Species facilms dislingucmlae ntc cum *M. Malabuthrico* consouandae

- 1 *M RLPLISS Lam. — ^alllln 1 (274 f — *Osbechia lejiens* DC Piodi. III. 132 —
 \Uiosloma i opens Dlunc Mus Lugdun D Uiv p 50
- 2 'M TAITLNSL D(I c 1J4 - iSmdin 1 c 275 f
- J M VIII >SI rsiulin 1. 4. 275 f — Fiuticosum iniciinlum bialpindiuin lamis
 stugobis ft Ins ovatis oblongove - onus icummatis subintegernmis quinquenervs,
 pn^niii uliaque iñ U-MOSO - sc.ibi is flonbus pentnmeris ad apices ramoium panicu-
 lato-ioi[in]osii> anibciis oblusis, majoium connecno mfa loculos breviusculo c]j
 ad mscitionom HhincnU anticc bdofo — Ciescit in msula Balaon cjcladum Mliensium.
- 1 M MARIANMIM Naudm 1 c 276 f — Fruiculosum crectum ramosum, pro genereT
 Initmilbiun brachjandium subisoslemon lamis stugoso-lepidolis feiruffincis, demium
 cvconaiis folnti obloiiijo-ovatis acuminalis aculis subintc(eminis, adjc clo utioquo
 nrvulo marginali quinquenerviis, pagina lUnque stu^iloso - aspens flonbus ad api-
 ces lamoiuin subcorymbosis penlamens antheiib obiusii, omnium LOiinoili\o cum
 llhmento sunplicitei iriculato — Cic^cit in insulis MARIANMIM
- 5 M FURAMCNSE >audin 1 c f — Ramis stu&ro6O-hpidoiis mlcbccntiliis fohu. lan-
 coolnto-ellipticis ou\to\e-oblongis subacunnalis tcutis inlcgmunis quinquononiN
 p ipina bupuoioe slngiliosis, lufcuoie sctuloso-siabiellis, lluiibus hexam<^> ad apic?*\
 I iinoium plcrumque terms mvoluciatu, ciñcis dentibus tuHo sublueuoi ilms, denti-
 culis subnullii — Crestit in msula Cciam propo Waiou
- (' M. A^OPL VNTHUM ^audln 1 c 277 f ~ Mnuantium iami> teretiusculis squan-
 loso-singosis iubi^inosi8 folns pctiolalis OMto-lanctolatis oblongisve acutis, ha-
 Miboliuuhtis mlcgeirimis, piaetirmis!>o nervulo ulioque maiginali Hmenus, supr^
 adpic^sc sliigillosi*. sublus mollius sctulosis floubus ad apices lamoiuin terminal''
 Itus. utjilui mumi icinis, inte explicationrm bialcru> qualuor ovalis caljccm^aequantu-
 bus in\oluu His ciljte pnlcaceo-stngoso, dcnlibus ovatis acuiis> tubum subacquaof
 bus, denticulis m« r dmtes ipsos iuillis \el saltern matuie caducis — Cic>cil m'''
 <ula l'ulo-l'mang ct pi ope Calcutt i
- 7 M ZOLLINGLRI ^audln 1 c f — Submicrophyllum submicranihum lamis spars^
 ^quamulosis loins hnccolaiis *ubiicuminalis(basi subacutis integerumis, adjocto utr<J'
 que nu\o subinar^inali 5-IIPIVHS, pagina supenoro brevissime et adpiesMbSioie *W
 giliosis sublacvibus, infenorc scabns, flonbus ad apices ramorum subumbellatis P^M
 cis. calycinis dentibus lubum subacquantibu* dcnlculis minulis. slammum mnjor<J'
 connettno longmsculo. ramorum subnullo «cd biappendiculdo — Ciescit m'''
 sula JaAa,

8. *M. HOMBRIANUM* Naudin 1. c. 278. + — Ramis paleaceo-strigosis ferrugineis; foliis ovato-oblongis aculis integerrimis quinquenerviis, pagina superiore strigillosis, inferiore setulosis subvillosisque; floribus ad apices ramorum breviter paniculatis; calycinis dentibus (tubo subaequalibus, denticulis subnullis; antherarum majorum connectivo loculos ipsos subexcedente bicalcarato, minorum nullo. — Crescit in promontorio austro-occidentali insulae Mindanao.
9. *M. GAUDICHAUDIANUM* Naudin 1. c. f — Ramis supremis, petiolis nervisque subtus setoseo-strigosis; foliis ovato-lanceolatis aculis integerrimis quinquenerviis, utraque pagina strigilloso-scabris; floribus ad apices ramorum solitariis—ternis breviter pedicellatis magnis; calycibus dense adpressisque strigoso-strigosis, dentibus late ovalis subacuminatis. — Crescit in Cochinchina prope Tourane.
10. *M. PELAGICUM* Naudin 1. c. 279. f — Submacrophyllum oligantherum: ramis supremis subtortuosis paleaceo-birsulis ferrugineis; foliis oblongo-ovatis ovato-ellipticis ovatisque acuminatis aculis integerrimis, adjectis nervis marginalibus quinquenerviis, pagina superiore adpresso breviterque strigosis scabrellis. inferiore inter nervos paleaceo-strigosos villosulis; floribus ad apices ramorum glomeratis paucis; calycinis dentibus tubo longioribus subexcedentibus, denticulis subulatis setosis. — Crescit in insulis Ysabel et St. Georges cycladum Salomonensium.
- * *M. PALEACEUM* Naudin 1. c. f — Submacrophyllum macrantherum: ramis obtuse tetragonis, sicut et petioli nervisque foliorum, pube furfuracea strigis lepidotis intermixta velutis, demum calvescentibus, ad nodos strigis robustioribus aculeiformibusque adpressis instructis; foliis late elliptico-ovatis, breviter acuminatis integerrimis quinquenerviis, pagina superiore strigoso-asperis, inferiore setuloso-strigillosis; pedunculis axillaribus terminalibusve 3—5-floris; calycis pallois aculis ciliolatisque dense obtecto. — Crescit in Cochinchina prope Tourane.
11. *M. PENICILLATUM* Naudin 1. cit. 280. + — Ramis supremis strigoso-echinulatis; foliis petiolatis late elliptico-lanceolatis ovalibus aculis integerrimis quinquenerviis, pagina superiore adpresso strigilloso-scabris, inferiore setuloso-scabrellis; floribus ternis quibusque; calycibus pedicellisque strigoso-paleaceis ferrugineis, dentibus tubo longioribus aculis, denticulis creberrimis setigeris et apice penicillatis, quam denies ipsi dimidio brevioribus. — Crescit in insula Luzonia.
12. *M. CUINUM* Naudin 1. cit. f — Macrophyllum: ramis, petiolis nervisque subtus crinulo-echinulatis; foliis petiolatis late lanceolatis acuminatis acutis integerrimis quinquenerviis, pagina superiore strigoso-scabris, inferiore setuloso-scabrellis; floribus ad apices ramorum glomeratis; calycibus dense longoque crinulis rufescentibus. — Crescit in insula Luzonia.
13. *M. MACROCARPUM* Don. — DC. 1. c. 145. — Naudin 1. c. 281. — *M. Malabathricum* Sims, Bot. Mag. i. 529.?
14. *M. SANGUINEUM* Don. — Sims. Bot. Magaz. tab. 2241. — DC. 1. c. — *M. pulcherrimum* Krthls. ? — Wiprs. Repert. V. 704 no. 2.
15. *M. DECEMFIDUM* Rxb. — DC. 1. c. 146. — Naudin 1. c. 282. f. *M. nilidum* Krthls. Wiprs. Report. V. 705. no. 4. — *M. Borfinum* Krthls. Wiprs. Report. V. 704. no. 3.

* Species magis ad *M. Malabathricum* vergentes, ideoque difficiliter distinguendae.

16. *M. SYLVATICUM* Blume. — Wiprs. Report. II. 133. no. 5. — Naudin. I. c. 283. +
17. *M. ASPERUM* Blume. — Wiprs. I. c. 133. no. 4. — Naudin 1. c. f — *M. punctatum* Krthls.
18. *M. SETIGERDNUM* Blume. — Wiprs. I. c. no. 6. — Naudin 1. c. 281 f

20. *M. MALABATHRICUM* (L.) Wight. — Wipes. 1. c. 135. — Naudin. 1. c. f — Ramis supremis obsolete tetragonis quadrisulcatis squamuloso-strigillosis ferrugineis; foliis petiolatis* ovalo-oblongis ellipticisque acutis, basi obtusis integerrimis, adjectis nervis submarginalibus quinquenerviis, pagina superiore strigoso - scabris, inferiore seluloso-scabrellis; (loribus ad apices ramorum quinque-^{no}venis corymbosis pedicellatis, bracteis cis quatuor subsperthulnii* mille explicationem involucriis, calycinis flonitibus ovalis nulis. tubo vix brevioribus, denticulis subuliformibus; amherarum mjonim connetho ad inserlionem flaincti bicalcaralo. — Crescit in peninsula Indiae orientalis* et forsitan in insulis vicinis.
21. *M. OBVOLUTUM* Jack. — DC. I. c. 14H. no. 19. — Naudin 1. c. 285. f — Illume, Mus. hot. Lugd. Batav. 53. no. 129. f — 3/. *Jackiamim* Krthls. — Wlprs. Report. V. 706. no. 5. — p. *oblongum*: foliis lanceolato-oblongis. — Y* *gymnanthum*: foliis ovato-ellipticis; squamulis calycinis brevioribus. — 8. *elongatum*: foliis ovato-oblongis v. ellipticis nulis, squamulis calycinis densis.
22. *M. ARTICULATUM* Naudin 1. c. f — Ramis dichotomis, supremis squamuloso-birtis, ad apicem foliosis, interne nudalis; foliis subrigidilanceolato-ellipticis subacuminatis acutis integerrimis, praetermisso ulroque nervo marginali trinerviis, pagina superiore brevissime strigillosis interdumque primo aspectu glabralis, inferiore selulosis; iloribus ad apices ramorum ternis — seplenis glomeratis, ante explicationem bracteis qualuor ovatis involucriatis; calycis denibus laic Ovatis tubo multo brevioribus, denticulis vix distinctis. — Crescit in India orientali].
23. *M. HOMUSTEGIUM* Naudin 1. c. f — Ramis adpresse lepidoto-strigillosis rufescentibus; foliis petiolatis ovato-ellipticis subacuminatis acutis, basi rotundatis integerrimis quinquenerviis, pagina superiore adpresse strigilloso - asperis, inferiore seloso-scobrellis; iloribus ad apices ramorum plurimum ternis, breviter pedicellatis bracteis qualuor inter se conformibus late ovalis suborbiculatisve in praefloratione fulcratis; dentibus, calycinis triangulari-acutis tubo paleaceo-strigoso brevioribus, denticulis nullis affixis vix perspicuis. — Crescit in insula Luzonia prope Manillam.
24. *M. HIETKHOSTEGIUM* Naudin 1. c. j. — Ramis supremis breviter paleaceo-strigillosis ferrugineis; foliis petiolatis ovato-oblongis ovatisve subacuminatis acutissimis integerrimis, praetermisso nervo utroque marginali trinerviis, pagina superiore adpresse breviterque strigillosa scabris, inferiore seluloso-scabrellis; iloribus ad apices ramorum ut plurimum ternis subsessilibus. ante explicationem bracteis quatuor forma et statura disparibus involucriis; calycinis denibus late ovalis apiculatis, tubo dense paleaceo-strigoso duplo brevioribus. — Crescit in insula Luzonia.
25. **M. POLYANTHUM* Blume. — Wlprs. Repert. II. 132. no. 1. — Naudin I. c. 287. f Blume, Mus. bot. Lugd. Batav. p. 52. no. 128. + fig. 6. — *M. Malabathricum* Jack.
26. *M. TONDANENSE* Blume, Mus. bot. Lugd. Batav. 54. no. 130. — Naudin 1. cit. 288. t. — Ramis squamuloso-asperis ferrugineis; foliis elliptico - ovatis apiculatis. basi rotundatis quinquenerviis (nervis duobus lateralibus basi inter se coalitis), pagina utraque strigilloso-scabris; floribus ad apices ramulorum gemmatis et breviter paniculatis calycis denibus tubo brevioribus. — Crescit in insula Celebes.
27. *M. PUSILLUM* Blume 1. c. no. 131. — Naudin 1. c. — Fruticulosum? pro genere *Barringtonia* crophyllo oliganthum: ramis tetragonis squamuloso-strigillosis rufis; foliis lanceolato-ellipticisque apiculatis praeter nervulos marginales trinerviis, pagina superiore tenuiter strigillosa, inferiore villosulis; floribus terminalibus subsolitariis; calycis dentibus linearibus tubo longitudine aequantibus, denticulis interjectis vix conspicuis. — Crescit in insula Borneo.
28. *M. FASCICULARE* Naudin 1. cit. +. — Ramis echinulato - asperis subteretibus foliis ovatis vel laic ellipticis subacuminatis acutis integerrimis quinquenerviis. pagina superiore strigilloso-asperis, inferiore scaberrimis; floribus ad apices ramorum &

lalo - corymbosis vel breviter et dense paniculalis, breviter pedicellatis; calycinis dentibus triangulari-acutis tubo paulo brevioribus, denticulatis? acutis. brevissimis. — Crescit in insula Luzonin.

29. *M. BAUMIANUM* Naudin. 1. cit. 289. ♀ — Ramis supremis breviter lepidoto-strigosis rufescentibus; foliis petiolatis oblongo-ovalis aculis interdumque subacuminatis integerrimis quinquenerviis, pagina superiore adpresso strigoso-scabris, inferiore setuloso-scabrellis; pedicellis irifloris ad apices ramorum axillaribus terminalibusque; bracteis flores haud involucrantibus; calycinis dentibus ovatis acutis, tubo paulo brevioribus, denticulis minutis subulatis, vix a strigis calycinis distinctis. — Crescit in insula Luzonia ad oras magni lacus prope Manillain.
30. *M. NORMALE* Don. — DC. 1. c. 145. — Naudin 1. c. f
31. *M. LONGIFLORUM* Naudin 1. c. 290. + — Ramis setoso-strigosis inentibus: foliis ellipticis ovalis subacutisve, basi rotundatis integerrimis quinquenerviis, supra adpressissime strigoso-setosis, subtus setuloso-hirtellis; floribus ad apices ramorum corymbosis paucis bracteolatis; calycibus oblongis, dentibus oblongo-ovatis acutis tubum aequantibus, denticulis subulatis quam dentes ipsi triplo brevioribus. — Crescit in Gochinchina.
32. *M. NOVAE-HOLLANDIAE* Naudin 1. c. f — Ramis cretiusculis furfuraceo-ferrugineis vel strigillosis; foliis petiolatis oblongo-ovatis ellipticis lanceolatis acutis integerrimis, adjecto utroque nervo submarginali quinquenerviis, supra strigosis, subtus setulosis; floribus ad apices ramorum quinque- septenis interdum paucioribus aut numerosioribus, corymbosis vel umbellatis; calycis dentibus acutis tubum aequantibus, denticulis minutis aculis. — An species distincta? — Crescit in Nova Hollandia prope Morcton - Hay.
33. *M. SEHELLARUM* Naudin 1. c. — *M. Novae Hollandiae* simillimum, differt tamen ramis 'nagis squamuloso-strigosis et fructibus crassioribus (baccarum *Ribis nigri* volumine aequantibus); cacterum dentes calycini, petala nec genitalia visa. An species distincta? — Crescit in insulis Sehellis.
34. *M. KLIPTICUM* Naudin 1. cit. 291. f — Ramis subtercibus furfuraceo - strigillosis ferrugineis; foliis oblongo-ellipticis subaculis subobtusis integerrimis 3—5-nerviis. pagina superiore strigillosis, inferiore scabrellis; floribus ad apices ramorum paucis corymbosis subpaniculatisque; calycis dentibus ovalo-aculis tubum subaequantibus, denticulis subulatis quam dentes ipsi triplo brevioribus. — Crescit in insula Zeylaniam necnon in regno Peguano.
35. *M. HOUTTEANUM* Naudin 1. c. + — Ramis supremis squamuloso-strigillosis; foliis petiolatis lanceolatis ovalo-oblongis acutis, basi subobtusis integerrimis quinquenerviis vel nervo utroque submarginali obsolete trinerviis, pagina superiore tenuiter adpressoque setulosis. inferiorerunt hirtellis griseis; floribus ad apices ramorum in paniculas breves paucifloras dispositis; pedicellis calycibusque sensu paleaceo-hirsutis candidantibus; calycinis dentibus lineari - subulatis remotis. denticulis brevibus acutis apice setosis. — Crescit in India et insulis Indicis?
36. *M. BRACHYDON* Naudin 1. cit. 292. f - Ramis junioribus lepidoto-strigillosis rufiginosis: foliis petiolatis elliptico-oblongis lanceolatisque acutis. basi rotundatis vel orbiculis integerrimis, praetermissis utroque nervo marginali trinerviis. supra adpresso strigilloso-scabrellis, subtus setosis; floribus in paniculas terminales breves paucifloras digestis; calycibus campanulatis paleaceo-strigosis, dentibus brevissimis apiculo setiformi terminatis, denticulis minutis minutissimis. — Crescit in insula Java.
37. *M. OLIGANTHUM* Naudin 1. c. f — Ramis squamuloso-asperatis, junioribus subtetragonis quadrisulcatis rufescentibus; foliis plurimum oblongo-ellipticis, interdum ovalo - lanceolatis, breviter acuminatis acutis integerrimis, adjectis nervis submarginalibus quinquenerviis, pagina utraque brevissime adpressissimeque setosis scabrellis;

floribus ad apices ramorum ternis — novenis subpaniculalis; calycinis demibus aculis remolis tubo duplo brevioribus, denticulis subulalis denies ipsos subaequantibus. — Crescit in peninsula Malayans prope Malaccuii, necipn in insula Sincapour.

38. *M. LONGIFOLIUM* Naudin 1. cit. 293. f — Ramis subvir'galis reclis obsolete telragonis strigoso-asperis; folioruin jugis dislanlibus (pro goncre), foliis breviter petiolalis lanceolato-oblongis aculis, basi subobtusis subacutisque inlegerrimis, praelennisso nervulo utroque marginali inerviis, supra breviter adpresseque setulosis, subtus sculoso-scabrellis; floribus in paniculas terminates breves paucillorasque dispositis; calycibus strigosis; dentibus aculis (tubo duplo brevioribus, denticulis minimis aculis. — Crescit in insula Sincapour.
39. *M. MICROPHYLLUM* Naudin 1. cit. f — Ramis obtuse telragonis sublerelibusque squamuloso-scabrellis rubiginosis; foliis pro georc parvis (an semper?) breviter petiolatis oblongo - ovalis siibacumiiialis acutis integerimis 3—5-nerviis, pagino superioris adpresso sculoso-strigillosis, inferiore villosis; floribus ad apices ramorum paucis; calycinis denlibus irianguiari-subulatis lubum subaequantibus, donliculis minutis acutis. — Crescit in India el insult's Oceani Pacifici.
40. *M. TRIFLORUM* Naudiu 1. cil. + — Ramis obtuse telragonis subteretibusque strigiloso- asporis; foliis late ellipticis acuminatis, utrinque aculis, integerrimis quinque-nerviis, pagina superiore brevissime adpressissimeque selulosis, inferiore pilosulo-scabrellis; floribus icrminalibus pedicellatis ternis (an semper?); calycinis denlibus oblongo - ovntis tubum strigosum arquanlibus. — Crescit prope Goam Indiae orientalis.

+ *Species addendae adhuc incerlae:*

41. *M. DENTICULATUM* DC; - 12. *M. AFFINE* Don. — 43. *M. ERECTUM* Juck. — 44. *M. CANDIDUM* Don. — 45. *M. WALLIGLII* DC. — 46. *M. TIDORENSE* Blumc. — 47. *M. ROYENII* Niimc. — 48. *M. CELELICUM* illumc. — 49. *M. PORPHYREUM* Zipp. — 50. *M. CALYGINUM* Bnth. — 51. *M. ASPERUM* L. — 52. *M. LANUGINOSUM* illumc. — 53. *M. SEPTEMNERVIUM* Lour.
54. *M. NOROTAN* Iuunc, Mus. bol. Lugd. Bat. p. 54. no. 132. — Ramulis, petiolis nervisque subtus squamulis scitiqu aspen's; foliis ovalibus aculis inlegerrimis iri — vel subquinquenerviis vel passim quiutuplincerviis, ulrinque strigoso-scabris; floribus ad apices ramorum subquinis breviter pedicellalis braceis lanceolatis acuminatis cinclis; calyce quinc- vel sexfldo, squamulis lincari-sciaceis appressis tcclo. laciniis ovato-lanceolatis acuminatis; stamiuibus alterius conneciivo clongato. — Habitat in insulis Liu Kin.

\\I\\ . IHKI,ASTOMAST*LiII Naud.

(Naudin, Ann. des scienc. natur. [Ser. 3.] XII. tab. 7. XIII. 296.)

Flos pentamerus. Calycis dentes triangulari-acuii, lubum turbinatu[^] glaberrimum aequantes persistentes nec cum denliculis ullis alter[^] nantes. Petala obovata apice rotundata. Stamina docem altemati^{^1} inaequalia; antheris subulatis uniporosis recurvis, conneciivo infr^{*} loculos, longius aulcm in majoribus quam in minoribus producto a^{*} cualo et ultra filamenti insertionem in lobos vel appendices 2 calafi^{*} formes porrecto, postice honnihil tuberculato. Ovarium ad medium usque septis 10 adhaerens, apice pilis coronalum quinquelocular^{*} Stylus filiformis, stigmate punctiformi. Capsula calyce deceranfer[^] pilis longis sericeis e pedicello ortis et post anthesin accretis induy^{*} vestita, quinquevalvis. Semina cochleata. — Frutex Senegambiensg; erectus ramosus: ramis angulatis sulcalisque; foliis petiolatis ov^{at}

•subacutis iulegerrimis quinquenerviis, strigis majipighiaceis magis minusve dense obtectis; floribus ad apices ramorum ternis quinisque glomeratis involucrialis subsessilibus purpureis aut violaceis; antheris majoribus lilacinis, minoribus luteis.

1. M. ERECTUM Naudin 1. 1. c. c. 297. f — *Tristemma erectum* Guill. et Perr. — Wlprs. Reperit. II. 132. no. 2. — Crescit prope Kounoun Promontorii viridis.

XXX (6216.) TRISTEMURIA Juss.

(DC. Prodr. III. 144. — Wlprs. Reperit. II. 432. — Naudin. Ann. sc. nat. [3. Ser.] XII. tab. 6. XIII. 297.)

- * TR. (?) NEGLECTUM Naudin 1. c. XIII. 299. f — Fruticosum: ramis subglabris sulcatis; foliis lanceolatis acuminatis acutis integerrimis quinquenerviis, pagina superiore adpressissime breviterque seloso-strigillosis, inferiore ad nervos praesertim selosis; glomerulis terminalibus sessilibus bractea duplici exteriori admodum involucriatis. — Crescit in Africa occidentali?
2. TR. MITTORALE Bnh. in Hook. Niger Flora 353. f — Caulo ascendente ramo obtuse tetragono parce strigoso vel laevi; foliis ovalis oblongisve quinquenerviis parce siriiosis: iloribus capitatis; bracteis imbricatis, exterioribus foliaceis calycibusque glabris laevibus nudis. — Crescit in insula Fernando Po.
3. TR. ALIFLORUM Bnh. 1. cit. 353. f — Caule ascendente ramoso acute tetragono parce strigoso; foliis ovalis oblongisve quinquenerviis, supra strigosis; floribus capitatis; bracteis imbricatis latis, dorso strigosis; calycibus laevibus nudis vel corogapilorum incompleta cinclis. — *Melastoma albiflorum* G. Don, Gener. syst. of gard. and hot. U. 794. — Crescit in Sierra Leone.
4. TR. CORONATUM Bntli. 1. c. 354. + — Caule ascendente minute strigoso; foliis ovatis supra strigosis; floribus subcapitatis; bracteis oblongis lanceolatisque laxiusculis apice foliaceis; calycis tubo globoso ciliarum nervulis 4 distinctis cincto. — Crescit in Sierra Leone.
5. TR. INVOLUCRATUM Bntli. 1. cit. 354. f — Caule procumbente; ramis longe barbato-pilosis; foliis ovalis acuminatis hirtis; floribus subcapitatis; bracteis scariosis appressis pilosis; calycis tubo urceolato cincto pilis numerosis in zonam unicam dense imbricatis. — *Melastoma involucratum* Don. — Crescit in Sierra Leone.

XXXI ARGIREIILIA Naud.

(Naudin, Ann. des scienc. natur. [Ser. 3.] XII. tab. 6. fig. 7. et XIII. pag. 300)

Flos pentanierus. Calycis dentes ovato-acuti tubum campanulatum aequantes, cum denticulis totidem subulatis simplicibus nee apice setosis stellatis alternantes. Petala obovata. Stamina 10 inaequalia, antheris linearibus-subulatis uniporosis recurvis antice undulatis, 5 majorum connectivo infra loculos longe producto arcuato et ultra filamenti insertionem in appendicem triquetram clavatam producto, 5 minorum brevissimo jubo et in filamentum quasi confluentem nee vere cum eo junctis. Ovarium infra medium adhaerens, apice libero quinquelobum bilobatum tomentellum quinqueloculare. Stylus filiformis, stigmatibus punctiformi. Capsula ignota. — Suffrutex Austro-Africanus erectus ramis pubescentibus stellatis brevissimis et quasi pulverulentis totus tomentellus; ramis obtuse tetragonis; foliis subsessilibus sessilibusque lanceolatis acutis subacutis obtusisve integerrimis quinquenerviis. subtus inter

nervos primarios reliculatim nervulos canescentibus; floribus in paniculas breves paucifloras foliosas terminalesque dispositis violaceis.

1. *A. INCANA Naudin. 1. 1. c. c. + — *Osbeckia incana* E. Mey. — Wlprs. Repert. V. 708. no. 2. — Crescit ad Caput bonne spei.
2. "A.? PHAEOTRICA Naudin l.e. — *Osbeckia phaeotricha* Hochst. — Wlprs. I. c. no. 1.

XXXII PURFUBEMIA Naud.

(Naudin, Ann. des scienc. nat. [Ser. 3.] XIII. 301.)

Flos pentamerus. Calycis dentes ovato-acuminati vel triangulato-ovati, tubum campanulatum aequantes persistentes. Petala obovata, apice rotundata vel obtusissima. Stamina decem aequalia aut vix conspicue inaequalia, antheris lineari-subulatis subreclis uniporosis, connectivo infra loculos longe producto arcuato et ultra filamentum insertionem bifurcam aut bilobam porrecto, filamentis glabris. Ovarium liberum quinquelobum quinqueloculare. Stylus crassus exsertus subsigmoideus, stigmatibus obtusis. Capsula quinquevalvis. Semina cochleata. — Frutices Peruviani et Novo-Granatenses monticolae ramosi macranthi: foliis petiolatis ovatis quinque-nerviis; loricibus ad apices ramorum in cymis paucifloras dispositis, purpureis aut violaceis; calycibus fructiferis setoso-echinulatis.

1. P. MURICATA Naudin l. c. pag. 301. + — Ramis supremis obscure tetragonis, dense hirsutis ferrugineis, demum excoriatis et glabris; foliis ovatis subacutis subobtusisque, basi interdum subcordatis. tenuissime serrulatis aut subinlegerrimis quinque-nerviis pagina superiore strigosis, inferiore scabrellis, utraque interdum villosis rufescentibus; cymis 3—5-floris. — *Ilhixia muncala* Donpl. — *Chaetogastra muricala* DC. — Crescit in Peruvia et Nova Granata.
2. P. RETICULATA Naudin l. cit. 302. f — Praecedenti simillima eique probabiliter coadunanda: vultu differt foliis paulo longioribus et acutioribus nec non nervulorum reliculo paulo magis conspicuo. Idem caeterum characteres et vestitu florum amplitudine et staminum fabrica sumuntur. — *Rhexia reticulata* Bonpl. — *Chaetogastra reticulata* DC. — Crescit in Nova Granata.

XXXIII (6201.) PACHYLOM4 DC.

(DC. Prodr. III. 122. — *Heteronoma* Mart. — Wlprs. Reperl. II. 127.)

XXXIV. AfcISTROIIESJftIUS Naud.

(Naudin. Ann. sc. nat. [3. Ser.] XIII. 302.)

Flos pentamerus. Calycis oblongo-campanulas dentes acuti tubo paulo breviores. Petala obovato-inaequilatera subretusa. Stamina 10 alternatim inaequalia, antheris lineari-subulatis uniporosis, 5 majorum connectivo infra loculos longiuscule producto et ultra filamentum insertionem in appendicem bifurcam vel potius biuncinam. cujus lobi lateraliter reflexi sunt, porrecto, 5 minorum multo breviorum et in calcaria duo ascendente terminato. Ovarium ultra medium costis adhaerens 5-loculare. Stylus^{hh}formis, stigmatibus punctiformi. capsula 5-valvis.

Scimm coclileata.— Suffrutex Brasiliensis erectus ramosus: caule ramisque firfuraccis; foliis oppositis ternatis quaternatisve petiolatis elliptico-oblongis subobtusis integerrimis 5-nerviis, utraque pagina adpresse tomentellis, inferiore candicante; **paniculis** terminalibus "magnis multifloris.

1. *A. OLEAEFOLIUS Naudin 1. cit. pag. 303. — *Osbeckia oleaefolia* DC. — *Lasiandra oleaefolia* Mart. — Wlprs. Repert. II. 130. — *Microlepis quaternifolia* Miqu. Linnaea XXII. 541. — Crescit in Brasiliae provincia St. Pauli.

XXXV. MICRATHELIA Naud.

(Naudin, Ann. des scienc. natur. [Ser. 3] XIII. 347.)

Flos penfamerus. Calycis campanulati vel oblongi dentes acuti persistentes. retain oboxatu apice rotundata ciliolata. Stamina 10 parum inaequalia confonnia, anthuris lineari-subulatis aut oblongis uniporosis, connectivo infra loculos magis mimtsve producto et in inserlione filament! siicpius bitesticulato. Ovaritim basi adhaerens 5-loculare. Stylus filiformis, stigmatibus punctiformi. Capsula quinquevalvis. Semina cochleata. — Herbae suffrutices fruticosae Austro-Americani et Mexicani, saepius ramosi, varic pilosi, micranthi et submicranthi: foliis petiolatis ovatis v. ovato-oblongis; floribus paniculatis aut glomeratis, numquam cernuis purpureis albis, flavis, aut aurantiacis.

A. GENUINAE.

Antherae lineari-subulatae, connectivo infra loculos longiusculo arcuato et in insertione filamenti bitesticulato aut castrato.

1. M. CLINOPODIIFOLIA Naudin 1. cit. 348. f — Herbacea ascendens vel erecta debilis oligophylla, tota (corollis genitalibusque exceptis) hispida: caulibus subsimplicibus; foliis petiolatis ovatis subacimimalis serratis 3—5-nerviis; floribus ad apices caulis ramulorumque gracilium terminalibus et axillaribus, solitariis—term's, brevissime pedicellatis. — *Chaetogastra clinopodiifolia* DC. Prodr*. IH. 133. — Crescit in montibus Serra Negra Brasiliae australi
2. M. CILIARIS Naudin I. c. f — Frutescens: ramis hirsutis aut hispidis; foliis petiolatis ovatis acuminatis nervis tenuiter serrulatis quinquenerviis, pagina utraque sed superiore praesertim villosa, inferiore foveolatis; paniculis brevibus subcorymbiformibus terminalibus. — *Chaetogastra ciliaris* DC. — *Meriania ciliaris* Vent. — Crescit in Novo-Granata prope St. Fe de Bogota.
3. M. LANCEOLATA Naudin 1. cit. f — Frutescens, tota villosa aut villosa-hirsuta: caule caulibusve subteretibus; foliis breviter petiolatis ovato-lanceolatis acuminatis acutis subintegerrimis quinquenerviis: paniculis parialibus dichotomis ad apices ramulorum terminalibus et in paniculas majores digestis; floribus albis (an etiam purpureis?).
var. P- *elatior*-, foliis duplo majoribus. — *Chaetogastra lanceolata* DC. — Crescit in republica Mexicana.
4. *M. HISPIDA Naudin I. cit. 349. — *Chaetogastra hispida* DC — Praecedenti simillima, sed tota villis rufis hirsutissima. Differt etiam paniculis parialibus magis divaricatis. — An eadem ac *M. lanceolata*? — Crescit in Brasilia.
5. M. ROSEA Naudin 1. cit. f — Frutescens tota villosa vel selosa: foliis petiolatis ovato-oblongis acuminatis tenuiter serrulatis quinquenerviis; paniculis parialibus cymosis in paniculam majorem digestis; calycibus purpurascens; petalis lilacinis aut roseis. — Crescit in montibus Mexicanis oceano Pacifico vicinis locis humidis alt. 2000 metr,

- f M COINFRRTIFI ORA Mudm 1 (it -j — Hutescens nmis hiiiollis A Ins pclihtis. o\ ito -oliloris acunumti* yn conspituc sonulotis qumqur nouns iitinujue brclitci appicsscqec \illosuhs pimtulis teimmalibus bicubus confitiffon<; flonbus iiiian tucis — Ciescit in Pciimi
- 7 M GUANA Mudin 1 c 350 f — Fiulico a ciulo nmisque sul^hhifttib foliis pt-LKIJHS elliptico o\alis ipice inpidumque 1 isi arutis somihiis quinqiicnoi\iis ninnquo Mlosuhs pinjculis id i\ ites iioioium diihotome conmba^is in jnnicuhm mi jorem i^giegilis ciljcibus fiuctiluii sPToso-ccbin ||i* dcnlibus limit ibut tubiini tiqmniibus — Crtscil in PCIUVII piopo (u/io
- 8 M C IIRINA rsiudin I c f— Fiulicosa innm& opposite p llrtibus foliis pcliohlis ellipti(o-hiicoolilis ulunquo ICUUN inpidumque B&M lotundilis, U nuitci s nuhlis qumpli—sopUiplmomis (nenis htei ilibus Insi cum nono medio coiluis) pgma un iqu MII^SUIHS pimculis icrminilibus llonbus citimis — Crestil in Bolma ad illit)000 nt« ii
- 9 M ORDIGNYANA ^audlll I en f — Fiuliro i min-> junionbus tciigoms lufespnl i niti«J ALLustioi J)is excoini'. rt gh! i m foliis [ctiohtis o\nis bnvlci icuminuis tonuissuiiP *scuuhlis, qumqiu |c| quinluj imcrMis pigun uliiquo ndpiesse villosulis flonbus nd ipicrs iimuloriim | nine ul is bic\cs (oliosns formanlium ng<jregitis — Ciescil in flolivn
- 10 M CAPITMV Naud n 1 cit 351 f - Fruluosi cuile I unique irlinqoms sclosos n_illosi> foliis brt\il(i pMnhtis oldongo onlis ncumimtis icniis obsolrle seiiu-1 His submtptgeriniisque qunquonriMis pigini ulnqup s tulosis flonbus id ipires i tmoinn fchnntis opilitistp ci)itulis sul)in\oluentis floiibu^ ilbis — Ci cscil in bolwac \ ll(fipoun id iltit 3000 mitr

B CHAETOGASTROIDEAF

Anlhciae obloncno scd non |e|e subihatae ul in sections piao-fcknti, connectno infia loculos D)revissimo et bilolio nut subnullo

- 11 M I ATIFOLIA Naudin 1 cit f — tiutescens rimis supremis stngillo^o-stabns mox gl »i ntis foliis peliolatis late ovalis npicuhlis \cl brevissnne icuminnlis obsolete & uulalis snepius septemneruiis (nervis inticmediis utnnque basi mtei se conlilis) pigini supcuoie ndpressc stngillosis <<ngosis^c infcnoie sculosjb pamculis tcinunilibus Juevibus laxis flonbus roseis nut dilute purpuicis — Crescit in Bolma ul itK ^SQ) men
- |i M C\M)0F LLI ^audln 1 cit 352 f— Fiulicosa fcnuginco-MIIOST pio gencie nmioplijll i lumis terctibus foliis pctiohtis o\ Uis acummitis obsolete seiiuldtis \cl sulmitcgernmis qumquencMiis uti u|ue pngitn ruftstenii - villosis pnniculis Icimm i libus bic\ibiib confeiliflons et muUinons flonbus lubus luUiolacus — *Chaelogastim lls* DC — /t/itiirt mn//is lion] 1 — Cu sni in inontibus PPIIMHC et boto-Gn mtpnsis

^JCCICS addemlac

- 13 M IONGHIOI IV Niul — *ChaeUja*ha lanqifolia* DC Piod\ III 132 no 4
 II V IIV\AM \SIS Niud — *Chaetoi Ha- llavanensit* DC 1 c no 5

WWI (6220) OTAVTIIEV *Blame*

(Wlpis Repeil II 115 ^ 707 -Naudin Vm sc natu. [3 Ser]\III 35?)

- 1 0 MOIUFCANA Illume - Wlp.s 1 1 c c - Naudm 1 c 353 - Hlume Mus bot Lugd Datav 16 no 136 flg 20 - Ramis subteiiagonis. sparse stngosis, folns ovaus

oblongove-ovaiis aculis mtegemmis qumqurneiviis, paginn utraque breviter strigillosis, cilyce tuberculis pemcillnto - solulosis muicalo petalis obovalo - acutis albis, anlhcn* basi bitestjculaus — *Melastoma Moliiccanum* DC — *Meiastoma cyanoides* DC. Prodr HI 146 no 14 -• In Molucca

- 2 0 GRACILIS Naudin I cit f — Ram is subirtngoms, sparse slngosis, folus lanceolalo - cllipicis icuiniuuu* inc^o,enimii quinquenoivus , pagina utiaque sed supenore praescitim stngillosis, in codcin jugo nonmbil thspanbus, caljce setulis fasciculalis huto pet ills obotaiis apico roiundnds ciliolatis, anthcns basi bitcsliculati*. T- Crescit in msula Amboina
- 3 0 CELEBICA Blume, Mus bot. Lugd Bat 56 no 137 f — Naudin I c f- Folus lanccol itis acununalis quinquencmis, pagma supcuore inter nervos strigis adpressis mUpigbiacci* conspersa, infriore praecti nervos strigillosis glabro, flonbus in cjmas scu pimcuhs tci mimics bie\es piucillora^ disposals caljcibus stngosis. — Celebes
- 1 0 GRIMTA Naudin 1 cit 354 f — Ramis sublolragoms strigoso-echmulntis out patcnlim hispidis folus o\ato-ollipticis lanccolatisque acununalis quinquenemis, pagina supeuore singoso-scabns, infeioie sclulosis calyce setis longis patulis fasciculatis smplicibusqihc horudo, pttalis obovads anihcns basi bicalcaralis — Crescit in msula Luzonia
- 5 0 BRACTEATA Killhs Verhndl nat Geseb 235 t 51 — Naudin 1. c. f ~ Fruticulosa micio**p**^Ua nonm>i amsophylla minis subtetiagoms flslulosis adpresse stngillosis, folus ovntis ellipiicove-ovatis acununalis, basi rotundatis aot ranus subcoi-
• dalis *MX* non integernmis 5—7-nervus, pagina supenore sous malpighiaceis tenuibus conspeYsa, inferiors hntella, paniculis axillanbus brevibus pauciflons bracteosi bir-
^utis, caljcinjb denlibus lincanbus, apjee setOj>o-pemcillatis, anthens antice bioalca-
ratls — *lachnopardxum biaclealum* Blume, Mus bot. Lugd. Bat 56. — Sumatra.

WXVII, \RTIHOSTKITIITIA DC.

(DC Piodi III 135 — Wlps Reprt 11 131 0: Ann bol sjst. I. 298. — INainlin, Ann. sc nat. [3 Sci j XII tab 6. Og 8 & XIII 355)

A GEMINAE- flonbus t&rameris.

- 1 A MACRANTHIRA Miqu in Lmnaea XXII 540 + — Ramis quadrangulii petiolisque patontim sctulosis folus longe pcliolalis o\ato-ollipticis vel oblongis subacuminato-aculisj senulalis quinquenervns (n 3 mediis ad apicem ductis), supra appresse stn-
^illosis, sublus pallidis lacunosis et pubescentibus, pedunculis subcymosis terminajp-
bus flonbus vulgo terms, caljcis sclulosi et capitellato-pilosi lobis linean-lanceolatis tubo cylmdnco brevionbus. petalis (purpuiascentibus) ciliatls, stamlmbus fere acqui-
longis, anihens magnis, connectivo bicalloso; stylo elongato. — Crewit in Biasiliae provincia Mmas Gerat>.
- 1 A CLIDEMIOIDLS Miqu. 1 cit 541. f — Frutescons* ramis ramulisque subrcloisum stiigillosis, folus oiato-ellipticis ellipticisvo acutis, basi rotundatis vel oblusis seiruh-
tis uiembranatcis sublacunosis. utnnque hirtis, quinquenervns (nervis 3 medns nd apicem ductis). racemis teiminalibus solitanis vel confertis, pilis capitellalis et smplicibus Inrtf'lis. calycis suburceolati lobis lineanbus, apicc subserrali* lurtello-cilia-
tis tubo subbieMOiibus. petalis (purpureis) ciliatis, connects o antheiaiuii curvataium. bitallose producto. — Crescil in Brasilia© provincia Minas Gerats
- 3 [¥]A GLOMERATUM Naudin 1 c. Mil 355 — *Osbeckia glomerata* DC | c 141, -m *Pteiolepts Hoslmannx* Steud — Wlprs Repeit. V. 708. no. 2

- 4 A SAL/M\MI Miidin 1 L 15b ,r — SufTruicuIosum Acl subhcrbncpum, 1 *glomnato* fcie simile sod dpbihus uioUins Pt foliis laic o\atis siibobluS SPIO-SO-MIOSIX flonbus glomciatis et illis A *glumnnii* simihbus \iolac< is — deccit in Biasilia spptentno-nnli pio|K Bahmn
3. *A. ANGUSILIUNSI, D(1 c 10^r no 1 — Naudm I « 35b f
6. A WFDDLI I IAM M Niidin I cit i — Ikibreturn siriBiloso-scaluum caulibus ascen-deiilibus suh^nciliiiiis simplicibu tiul paium ininosis, foliis bic\ilei petiolatis oicito-lanceolalis acutis integns sitoso - stugillo&is subquinquenemis, flonbus tciininalibus solilarus—lcnu<*. taiius alaiihu* axillanlm-qut |uiipuius — Cicsnt in Bolma
7. 'A AIPESTRI, Naudin 1 c 35< f — *Oibukia aljxstns* DC 1 c.
- 8 'A IIRSUTISSIAIUM DC I. c. 137 no 9 — >auilin 1 c 337 T
- ') A. PAUrirLORLM Naudm I en 357 f — Subbf rbaceum erectum simplex slngoso-scibrum foliis-lirc\issiinc pctiol His lanrtohiis JCIHIS tiincmis, caule apice tanlum et paice dulioiome ranoso, llonbus paucis ahnbuS tenninalibusque — Crescit.. . '
10. 'A I ADVNOIDLS DC 1 c 136 no 7 — INaudin 1. c 358 f
- 11 *A. PUMILUM iNaudin 1 (f— *Osbeckia punula* DC I c — *Vtuolepis pwnlla* Miq.— Wlpis Rpperi V. 70S no 1
- 12 A FILIFORMJ Niudin I c JS f— Iforbaccum pumiluin stugilloso-hiitum caulo flifoimi ciccto dichotomo folioium jugis dislantibus foliis radicalibus late o\atis scirulatis, supeionbus o\nto-lanceolalis acutis subintegns, omnibus brevissune j>c-tiolatis VIIIOMS timeruis flonbus alanbus termmalibusque solilarus. — Crescit in Biasilia contrail
13. *A. POLYGONOIDHS DC. 1 c 137 no 11 — Naudm 1 c. 359. f
- 14 A GOUDOTIANUM Naudm 1 c 359 f — Horbaceum erectum ramosum stiigillosum foliis lanceolatis acuiis, lu^i altcnualis et petiolatis subintegns timenus villosulis caule laimsque dichotomis, flonbus alanbus solitaiiis aul lermmalibus subterms pai-vu», ontKii". oblongo-o\atis ovausve obtu^is. — Ciescit in Nova Granata
15. A FXIGUUM Naudm I cit £ — Herbaccum pumilum erectum slrigillosum caule smplici vel parce et dichotome ramoso foliis bieviter petiolatis ovato - lanceolatis subobtusis intpgiis tnnorvns villosulis, flonbus alanbus teimnalibusve solitarus pai-vib — Ciescit in inondbus Mexicanis
16. 'A IETEROSTLiMON Naudm 1. c 360. f 8t XII tab. 6 fig 8.— *Drachyandiaperpusill a* Naudm — Wlprtf. Report V. 701. no.<l

n InTEROGEiNAE- (lonbus pontamens.

- 17 'A CATAPHRAGTUM Naudin 1 c f— *Chaetogastia cataphracta* Cham. — Wlprs Repeit II 131 no 7

XXXVIII (6221) OSBECKIA Naud.

(DC. Prodi III. 138 ex p — \\Ipis. Reprtr. II. 135. & 918. V. 708, Annal I *99 - *Asteiostoma* Blumo c\ p. - Naudin. Annal dc» sciences naturellps. [Ser III] XI\ . p. 53)

FJorcs 5-meii el 4-men Caljcis tubus piJis squamis\ernter-dumque tuhoicniis apice stellato-setosis aut pcmcillatis feie semper obtectus, laio felabci, dentes cum denticulis tubeiculis seu pihs cras-sionbub quandoque anstaefoirnibus totidem apice stellato-setosis alter-pantes, sKarum fasciculo ipsi saepe termmati, saepissime (forsan

semper') decidui aut caduci Petala obo\ala Interdum retusa maequi-
latera, saepius breviter et obtuse apiculata ciliata-setosa Corolla raris-
sime monopetala. Stamina 8 vel 10 aequalia aut aequalia, antheras
vane confertas, 1- rarissime 2-pollinosis, connectivo infra loculos
nullo vel subnullo, lanis longiuscule producto Ovarium ovoi-
deum magis minus^e adhaerens, apice semper hinc setosum,
secundum folios 5-nervos aut 4-nervos 5 — 4-loculare. Stylus fili-
formis, stigmate punctiformi Capsula calycis tubo persistente vesita,
apice 3—4-valvis Semina cochlearia — Herbaria, suffrutices frutes-
que potissimum Indici, in insulis Indiae vicinis, Africae omnia orientali et
occidentali, Madagascar, insulis Mascariensis, uno et Promontorio Vindis
quoque sed paucius crescentes, habitu \ano floribus ut plurimum
mediocribus, coloribus purpureis aut violaceis

A MELASTOMACEAE Naudin 1 t 54

Hos 5-merus Petala obo\ala Ipse setoso-ciliata Stamina alternatim
inaequialia, antheras linearis-subulatis unipollinosis, connectivo infra locu-
los longe producto (fere loculorum longitudine) acutato et ultra lamellam
insertionis antice poneclo — Scilio subalveolaribus

- 1 0 PRINCEPS DC Prodi III 140 — Naudin 1 c 54 f — Suffruticosus, tota parte
superiora velutina tomentosa imbricatis lobis cordatis serrulatis 5—7-nerviis. floribus ma-
joribus fere paniculatis bracteatis latis \nc\i quadripartitis \cl\ scilicet bipartitis
calycibus dense stellatis-lanceolatis — *lihua princeps* Donpl — Habitat in
Vindis
- 2 0 MELASTOMACEAE Naudin 1 c 35 f — Suffruticosus, caule lamellis
que imbricatis foliis p< Ullatis ovatis nervis subulatis \nc\ integerrimis
seuulatis 5-nerviis pagina superiora bicoloribus \nc\ trespiceque selulis
impunctatis? sparsa, inflorescentia ad nervis presertim linearibus
floribus solitariis — lei insularibus — Habitat in insula Zanzibar Africae orientali vicinis

B MELASTOMACEAE Naudin 1 c 55.

Hos 4-merus Calycis dentes lineares, apice setoso-penicillati.
Petala inaequaliter obovata. Stamina aequalia, antheras bivalvis obo-
vatis truncatis subpollinosis aut omnino bipollinosis, connectivo infra
loculos longiusculo.

- 3 0 ANTIHEROLOMA Naudin 1 c 56 f — Herbaria pusilla gracilis crebra oligophylla
micrantha caule subtetragona subsimplici scissulo foliis petiolatis ovatis acutis ob-
solete crenulatis, utraque pagina setosis 3-nervis floribus ad apicem caulium (et ramu-
lorum quum adsunt) ut plurimum terms, subsessilibus, foliis aliquot quasi involucri-
tis — Habitat in montibus interioribus Madagascarae, in provinciis bismaricensi et Be-
tanimene

(ARRHINAE Naudin 1. c. 56.

Flores 5-merae et 4-merae Petala late obovata apiculo setoso saepe
terminata Stamina aequalia, antheras ovoideis ovato-oblongis linearibus
oblongis, obtusis, non autem rostratis aut vere subulatis, uni—bipollinosis,
connectivo infra loculos saepius nullo aut subnullo.

- 4 0 MURALIS Naudin 1 cit. p 56 f — Herbaria erecta gracilis subsimplex, interdum
pusilla, oligophylla ovata micrantha caule subquadrangulo ad angulos hirsuto,
foliis petiolatis ovatis acutis tenuissime serrulatis 3-nerviis biseriatis, floribus

- 4-moris od apicem caulis sub^lomeratis purpurcis. — Species inter hanc sectionem (t piaccdentem fere media — 0 *Zmlanira* Sitml nits — Hdbilnt .id muros terraeos urbis Mangaloi Indue onenlalis.
- 5 0 BRACHIYSTEMON N-ulin I til p 57 f — Heibacca erecta radice subliguosa, caule ramisque subtetiagonis sciulosis, folns brrviler peliohiis late ov His obov Uisque aculis integernmi«» aut vix conspicue cilialo-sorruhtis 5-nervns, pagim ulraque hirsulo-Yillosii, flonbus 4-mciis ad npicrs caulis ctiamoruni leinis—qumi-> aut numcio-Munbus glomeratis stssilibut subsessilibus\c. glomoiulis folio uno el alleio fulciatis, antheris brovibus ovoitlis biporosi«, connective* mfa loculo^ admodum nullo — Habitat in montibus Nellighenj Indino
- 6 0 TRUNCATA Amtt — Wlprs Report 11 136 no 8. — iNaudin 1 tit. p 57 f — Suffrutitulosu sublicibaocave inmis setoso - hirsiiiiis, folns bieviter pctiolalis ovatis vel oblongo-ovalis, atutis intogeminis tnnervns pagim ulraque sed supcuoio piaeseilim selulis subnnpigbiacus Acstuta lloribus 4-moiis, ad ipiceM lamoruni nl plunmuni terms subsosilibus, folus duobus qu isi in\olutiatis, dcutiluis cnljunis tubuin subaequauibus, npice stelilio-setosis anlitis lirnnon-oblon'e'is imipoio^'is, comieclivo infra loculos vix nuuillf slo — IfhhtnL in insult /tyhnia.
7. 0 LR(TIIRO(MMJALA rNaudin 1 til p 58 f — SulTiuticosa ciecta stngilloso-sttosa lamib obscuie U Ir.igonis. inlei nodus longis, Tolli* bicvilci pctiolatis ovatis acutis quandoque aibatunin illi liiti^iiiius T—5-nu\iis pngina uliaque setis submalpi-Inacds (i o basi caud itis) ACSIHIS lloubus i-mens, ad npices ramorum glomcralis, pautis, lulio dupiiti (uasi involuciatis, caljcnis dentibus ttiangulaiibus tubuin setis puipurascentibus loiriduin MLH quantihus, apito tubciculo stellalnn setoso toiminalis, ambtiiiM liuenii-oblongis non omnino oblusis uniporosis, connectivo mfa loculos nullo, filamentis apite subulais — Habitat in insula Zeylamm.
- 8 0 L>ARVIFOLIV Amtt — Wlprs Reprnl II 130 no 9 — Naudin I oit p. 58 f— Subherbdtea sulTiuticilosave micropilijlla foliosa rainis basi detuinbcntibus ci ladicantibus. mox ucllis gracilibus subteliadonis selulosis. folns bieviter pctiolalis subsebSilibusqut late o\alis subobtusis integernniis. pa^ma utraque sculo»is flui bus 4-mciis, ad apices lamoium leinis — qumis, brc\ilei pedicellalis tt folio duplici quasi involucraiiis. cal}tims dtulibus lubum pilis apite stellatis obsilum ^ubaequanlibus, apite stellato - SOIOSIS, anthtus lineau - oblongis oblusissnnis uiipoiosis, connectno infid loculos nullo aul ux manifesto — Habildt in Ze\lama.
- 9 0 CONFLRTIFLORA Naudin 1 tit p 59 f — SuffTiulitosa eiecta lamosa caulibus er cadra radice plunbus ramisque subtetiagonis selo&o - VJIOSIS, folus brtviuscule pctiolatis o\atis hnicrduuiquo sublanccolatis acutis integemmis 3 —5-neivns, pogma utraque setosis (sens submalpighiaceis); Honbus 5-mens ad apices ramulorum confertis capitatisque subnumerosis pedicellalis calumis denlibus tubo setis fasciculalis hirtio bipvionbus, apice stelhto-setosis, anihens oblongis unipoiosis oblusis, tonnectivo mfa loculos nullo aut vix tonspicuo, Qlainctis apite subulatis — Habitat in montibus Indiac Nelligbeiry.
10. 0. AUSTRALIAN >audin 1 cit p 59. f — Suiirilucosa eiecla lamosa umis obscure 4-goms adpresse breviteique slrigillosis stabns. folns bit\itei petiolalis lineaii-oblongis aculis inlegernmis trmemis, pagina uliaque seluloso-scabns, lloribus 5-mens ad apices lamoium paucis approxmntis, caljcinis dtulibus ovatis subobtuMS caducis tubuin setulis fasciculatis b.rlum subatquantibus, ^ntheiis linean - oblongis obtusis un.poiosis, tonnectno mfa loculos nullo, llhnicnlis apice parum subulais. — Habitat in Nova Hollandia prope Port-Esslingiun

D. OX\RHINAE Naudin 1 c p. 60.

Hores 5-men et 4-men. Petala obovala saepe apiculata ct seta lobustioie terminata. Stamjna saepius aequaha, ranus parum inaequa-

ha, antheris nunc lmeanbus pradatim alleniiatis ideoque subulalis, nunc ovatis e\ IOSIO gracili terminatis, semper uniporosis, connectivo infra loculos nullo ant subnullo, ranus breviter producto.

§. 1. *Biachyderae*, id est calyce post anhosin campanulato \el breviter urceolalo (longitudine ldtiudinem non tnplo supeiante).

- 11 0 SENEGAMBIENSIS Guill ft Perr — Wlprs. Repeit II 137. no. 15. — Naudin I cit. p. 60. f — Herbacea, basi sufruticulosa ramosa erecln rnmis subltragoms scluloso-hu tellis, folns bicviler pcliololis subscsilibusque ovato-ellipticis acutis sub-Integernmis aul tenuiter setoso-serrulatis tuncivus, pagina ulraque setulosus villosus, flonbus 5-mens subpnnicuhtis breviter pedicellaiis; calycims dentibus tnangu- lanbus tubum tubiculis stellato- setosis lnrtnm subacquantibus caducis stamimbus nonmhl inacquahbus, antheris lincan-subuhlis, connclivo infra lotulos breviter sed mamfeste producto et bitubeiculalo. — Habitat in paludosis Senegambiac
- U 0 MAMLIANA DC I c 142 no 23 — Naudln 1. c f — Fruticosa lamosa- ramis 4-gonis ei feic 4-ptens, ad angulos el piaescitum ad nodos setosis, jumonbus petiolisque densius villosis, folns pcliolatis oblongo-ovatis subacununtis aculis tenuissimc el vix conspicue scrrulatis, practcnisso ulroque norvulo marginal! 5-nervus, net vis hteralibus ulnque Insi coalescentibus, pagma supenore villosis, infcnoie pnhes- Ltnlibus, flonbus 5-mens ad apices ramulorum tciininalibus paucis brevilei pedicel- Idlis, calycibus villis stellato - peniullalis fuscscntibus dense bir\$utis, anlliens lincan - subulatis, connclixo infra loculos bievitci pioducto et subbilobo. — Habitat in insula Luzonia pi ope Mmllam
- 13 0 CIPILVRISDon — Wlps Repert II 136 nb.»5» — Naudm 1 cit p 61. f — Suirrulescens rrecta lamost ramis obscuic 4-gonis adpessc sclosis, internodlis elongalib, loins brevilei jtcliolatis olloptico - ovalis acutis ct subobtiibis intcgemmis yinervus, pigma supcuoic slngilloso - sclosis., infeuore parciuo ^otulosis flonbus 5-mei is el 4-mcns, ad apiccm lamoiuin tcinis—duodcnis, cjrroso-corymbosis, raus solilams, taljcinis dentibus lubo pil!> stellato - sclosis hirlo bitvionbus, deciduis, apice stellato-setobi!», authens subulatis, connclivo infia loculos bicvissimo sed manifesto. — Habitat in peninsula Indne onentalis
- 14 0 VIRGATA Don. — Wlps Repeit II 135 no 4 — Naudm 1 c f — Fruticulosa ramosa rami& supiemis giacilibu^ (an semper ') tetragons setulo^o - scabns, folns breviler pcliolhtis elliptico-oi Uis, apice suboblusi^ obtuMs^c, basi subacuti^, integ- crnmis tnnerviis, paginn ulraque sed infenoit parcius setosis, flonbus 5-mens ad apices ramoruin aggrogalis (MIUOSIS paucis, denlibus calycims apice fasciculo sctarum terminalis, tubum pilis apicc 2—4-sctO6^ obsitum subaequantibus, caducis, antheris subulaus, connectivo infia loculos subnullo aul vix peiapicuo. — Habitat in peninsula Indiae ouentali*
- 15 0 ELLIPTICA Naudin 1 cit j.ag 62 f — Fruticulosa (aut forie fruiicosa) ramis supremis 4-gonis scabrellis folns breviter petiolatis lake elliphcis inttrdum ovatis aut obo\alis ot tune obtusissimis uileg'errioiis tneiviis aut auj^clis nenulis sub ma r- ginalibus, 5-nervns, pngina ulraque sed supenore proeserlim spame singillosis (stngis mulpighiaceis), flonbus 5-mens ad apices ramorum solitarns (an etiam teinis?) majusculis, cahcins dentibus tubo pilis peltalis et stellato-setosis ob^ito brevionbus, apice nudis, anlhens subulatis inio in rostrum feie attenuate, connectivo infra loculos manifesto. — Habitat in insula Zeylama.
- 16 0 RUBICU>DA Arntt — Wlpr<. Repert. II 13b no 11 — Naudm 1 c. f ~ Fruti- cosa ramosa pro genere macrontha* ramis jumonbus subictragoms pube squomoso- stngillosa exasperatis. folns brevitei petiolaiis ovatis ellipticisque obiusis, basi corda- tis, morgme ciliato-stngosis subscrrulaisque 5-neivus, pagma supenoie singoso- aspens, infenore setuloso-scabns, flonbus 5-mens ad apices lamorum solitarns — II.

- leinis cihcims deniibus apice stellato-setosis lubum hemisphaecum pilis peltato-
iicldtis dense oblectum suhaquanlibus ciducis. nthens subulato-rostrnlis, connc-
ii\o Jiifu loculos brevi* > sino sed manifesto — Hibilal in Zc\lama
- 17 0 BUXH-OIIA Arntt — Wlprs 1 c 136 no 10 — Jsaudin I c 63 f — Fruticosa
ticia tamosa microplnlla folfoM, pio g< ncre maaranha ramis. supremis obtuse 4-
j^onis feirugineo-torncnlosis folns subscsilibus hie o\ato-cllipticis obtusis marginibus
leflexis, 3-neivns COIMCGIS, pagina supenore pnmo aspecu glabeinnus luudis. sub
lente stnolatis cl quasi stngosis, infcuore lanaio-lomcnlosis lubiginosis, flonbus 5-
rnens ad apices ramoium leini* sessilibus, caljcens dentibus apice stellato - setosis
tub urn pills peltalo-slellatis dense obicclum subaequaniibus, caducis?, anthens subu-
laio-rostratis, connectivo infin loculos bieivissimo sed manifesto — Habitat in Zeylama
18. 0 WIGHTIANA Bnth — Wlprs 1 c 135 no 3 — Nmdin 1 cit. p 63 f —
Herbacea vel suffrutescens caulo (forsan ramis >) slrgis brevibus consperso exaspe-
rato folns breviter petiolatis pendulis ovatis acutis serrulatis 5—7-nervus, pagina
ulraquo setosis, flonbus 5-meus ad apicem caulis (et vcrisimiliter ramoium) arete
glomeratis paucis involutorialis sessilibus cnlycmi& deniibus tubo tuberculis setoso-
pencillatis lurlo multo brevionbus, apicc oblusis et luberculo pariler pemcilldo tei-
riunalis, caducis?, antheus subulalis cl subiostralis, connectivo infra loculos bicus-
vmo sed manifesto — Habitat m ptninsula Indne onentahs
- 19 0 DOLICHOPHILLA. Mudm 1 c 64 f — Tiulicosa ramosa macrantha ramis sub-
teliagoms stngilloso-scabiellis folns scsilibus angustis acuti^simis integerrimis tn-
neivus, ulriq; pignn scutulos; flonbus 5-mens, ad apices ramoium solilams —
terms, breussime j>cdic< Ihiiis caljcih deniibus imgnis obtusis ciliatis pemcillo ler-
minah destitulis, tubo bpmi!>plnenco plumoso - lursutissimo, antberis subulalis, con-
necto mfia loculos bieivissuno cl bilobo — Habiiat in insula Celebes prope Maros
- 20 0 KOTI-GUEDA ISaudin 1. c i — Fiuticosa elala ramis slngilloso - scabns sub-
aspensque folns bte\iter peliohlis laic clliptico - ovatis obtusis et subacutis, basi
nonnunquim cordatis integcirimis qumqueneivus, utraq; pagina setoso - villosis
flonbus 5-mciis pamcutis calycis dentibus obtusis apice setoso - pemcillatis, tubo
subhcnisphacneo pills crassis brevibu^ stellalo - pemcillatis hirtu bi cvionbus, caducis
aniheus subulatis, connectivo infrj loculos bioivissimo sed manifesto — Habitat in
montibus Nelli-Gherry Incline, ubi \ulgo *Koti-Gueda*, nee non in insula Zolania.
- 21 *O IESCIILNABLTIANA DC 1 c HI no 22 — Wlprs Annal I 299 — Naudm
1 cit p 65 f — Fiuinosi rdmosa foliosa macrantha ramis hirsutis, junionbus 4-
gonis, folns bieivssiint petiolatis subscsilibusque oblongo-ovatis aculis, basi inter-
dum cordatis lnlegerimis 3—5-nervns, pagina supenoro setis brevibus adpressis
submalpighiaceis vcsilla scabra, infenoie mollius villosi, flonbus 5-mciis ad apices
ramorum artle capitaiis sc^silibus talycibus dense hirsuio-fcnugineis puipurascen-
tibusque, dentibus apice bclaium fasciculo sueto deslilutis subacutis tubum aequantibus
caducis, anthens subulalo-iosiiatis, connciivo infra loculos bre\issinio sed manifesto
— Habitat m monlibus Nelli-Gheirv Indiae onentahs el in Zejlania.
- & 0 Dt DILIS Isaudin I c f (nee Sondei Cf p 582 no 57) — Herbacea annua erecta
gracilis subsimplex cnule 4-gono ad angulos adpessus slngilloso, folns petiolalis lan-
ceolaiis aculis setoso-scirulaiis innervns, pagma supenore seti^ malpighiaceis sparsis,
infenoie in nei vis seiosa, flonbus 4-meris ad apicem caulis etraraorum. quumexstant.
glomeratis paucis caljcis dentibus ttiangulau-acutis, apicc fasciculo setarum terminalis,
tubo pills npice btollaio-setosis Inspido subbievionbus, caducis', anthens lineanbus
longe rosiiialis, connectivo infra loculos vix manifesto aut subnullo - Habiat .. »
- 23 0 PUSILLA Zollinger - Wlprs Annal I 299 no 2 - Naudin 1 cit p 66 f —
Herbaea pusilla oligophjlla ohgantha micrantha caule subsimplici gracili erecto 4-
gono stngilloso folns breviter petiolatis lanceolato-ovaiis acutis integemmis tnn-
crvus scutuloso-luitellis, flonbus 4-mens ad apicem caulis glomeratis teiminalibus,

- antheus ovoideo-oblongis, graciliter rostralis, connectio infra loculos nullo — Habitat in insula Java
- 24 0 SLRUIJS Naudin I c 67 f — Herbacea erecta ramosa caule ramisque 4-gomis setulosis, foliis petiolatis lanceolatis acutis basi perspicue serrulato-ciliatis integerrime trinerviis* sciucosis flonibus 4-nervis ad apices caulium et ramorum approximatis pedicellate, deniibus calycis lineariibus apice stellato-setosis, tubo in series & longitudinales dispositis oinato, antheris ovato-oblongis longiusculo et acute rostratis, connectivo infra loculos brevissimo sed manifesto — *O. Zeylanica* Fieb. Wight — Habitat in India orientali.
- 25 0 POLYCEPIA Naudin I c f — Frutescens erecta ramosa ramis junionibus 4-gonis, ad angulos et nodos praesertim stigmatosis, tetustioribus glabris, folis breviter petiolatis elliptico-oblongis sublanccolatisque obtusis, rarius subaculis, integerrimis trinerviis, pagina superiore glabris alba parce stigmatosis, inferiore ad nervos scissilis flonibus 5-nerviis ad apices ramorum corymboso-approximate, calycibus dentibus triangulatis acutis ciliatis, apice seta duplici compluribus terminatis, cum pilis 5 penicillatis alternantibus et tubo caeterum glaberrimo subbrevionibus, caducis, antheris lineari-subulatis subrostratisque, connectivo infra loculos vix ullo — Habitat in insula Zeylana
- 26 0 GLAUCA Wall mss ex Naudin I c 68 + — Herbacea, radice tamen sublignosa, caecia parum ramosa caulo 4-gono stigmatoso, folis sessilibus subsessilibusve rigidius ovalis acutis integerrimis 3—5-nerviis, pagina utraque adpressissime stigmatosotosis, flonibus 4-nervis ad apices caulium et ramorum solitariis—terms, calycis deniibus triangularibus acutis rigidis caducis ciliatis, apice fasciculo setarum brevium parum conspicuo terminalis, cum deniculis 5 seroso-penicillatis alternantibus* et tubum glaberrimum aequantibus, antheris subulato-rostratis, connectivo infra loculos vix manifesto — Habitat in monte Sylhet Indiae orientalis
- 27 0 CAPITATA Benth mss ex Naudin I c f — Herbacea erecta simplex aut pauciflora caule 4-gono stigmatoso-scabro. folis sessilibus subsessilibusque rigidulis ovatis subaculis integerrimis 3—5-nerviis utraque pagina adpresso stigmatoso-setosis ilonibus 4-nerviis ad apices caulium et ramorum solitariis —terms, calycibus deniibus ovato-acutis villosis-setosis ciliatis, penicillo apicali destituitis, sed sellis aliquot in eorum donatis. tubo squamis seroso-penicillatis armato sublongioribus, antheris oblongo-ovatis longe et graciliter rostratis, connectivo infra loculos nullo vel saltem baud conspicuo — Habitat in monte Sylhet Indiae et in regno Assamico.
- 28 0 NEPAULENSIS Hook — DC I c 142 no 19 — Wlprs Report II. 137 — Naudin I c p 68 f - Suffruticosa erecta ramosa, pro parte macrophylla et macrantha caule ramisque tetragomis interdumque subteretibus stigmatoso-asperatis, folis subsessilibus sessilibusque oblongis subacutis, basi cordatis integerrimis 5—7-nerviis, pagina superiore adpresso setosa, inferiore mollius breviusque villosula, flonibus 5-nervis ad apices caulium et ramorum corymbosis paniculatisque, calycinis deniibus ovalo-acutis ciliatis caducis tubum squamis crassis apice penicillato-setosis armatis aequantibus, antheris ovato-oblongis in rostrum longiusculum attenuatis, connectivo infra loculos brevissimo sed manifesto — Habitat in Nepaulia et in regno Assamico
29. 0 ANGUSTIFOLIA Don *— DC I c. no 18 — Wlprs I c — Naudin I c 69 f — Frutescens ramosa caecia ramis acute 4-gonis setoso-scabrellis, folis brevissimis petiolatis subsessilibusque lineari-oblongis quandoque omnino lineariibus acutis integerrimis 3-nerviis, pagina utraque setuloso-scabrellis flonibus 4-nervis ad apices ramorum pedunculiformium dense capitatis subsessilibus, calycis dentibus ovato-acutis ciliatis nee apice penicillatis, cum denuculis totidem squamaeformibus apice setosis alternantibus, tubum caeterum glaberrimum subaequantibus, caducis antheris ovatis longe graciliterque rostratis, connectivo infra loculos brevissimo sed manifesto. — Habitat in Nepaulia et in regione vulgo Kanara

- 10 0 JAPONICA Naudin I. c 70 f — Suffrutescens erecta pauciramosi caule caulibus subgracilibus tetradris stngiliosis, folns breviter petiolatis lanceo-oblongis nervulis, basi obtusis minutissime spiraminis aut subintegerrimis 5-nerviis, paginae scutulo-MIOSUIIS, lonicis 4-meis ad apices caulium ramulorumque glomeratis tubo calycino squamis 4 cum densibus alternatis inflexum limbum instructo, caetum glabro, densibus iriangulatis icutis ciliis nec apice penicillatis, caduus, antheris ovoidibus — *Quercus rostratis*, connectivo infra loculos millo am non perspicuo — 0 *Linnensis* Mine — habitat in Japoma
- 31 0. LIM:ARIS Bluine — Wlprs Repert II 135 no 1 — Blume, Mils hot. Lugd Bat 51 no iU f tig 19 — Naudin I c 70 f — *Osbekia antiquifolia* simillima nris 4-gonis stiigoso-scabris; folns lanceo-oblongis ovatis lineari-angulatis flonibus* ad apices ramulorum pedunculiformium arce ciliatis, tubo calycino in media longitudine squamis J—8 obtusis setiferis nectis, 4 alii crassiusculis cum dentibus ipsis alacibus — *Tussockia antiquifolia* Ulme. — DC Prodr III 111 no. 3 — Habitat in insula Lu/oma prope Manilla et Mindanao
- 3i 0. /LYLANHALinn (II. - DC I c 141 no 17 - Naudin I c 71 f - Herbacea (0 ramis 4-gonibus ad angulos pinnatis serratis. foliis sessilibus patentibus, ovato-oblongis obtusis acutisve in nervis 3-5-nerviis, paginae utraque sed superior pinnatis scissis lobatis flonibus 4-nerviis ad apices ramulorum ut plurimum terms sessilibus. calycis dentibus ovalo-acutis, seloso-ciliatis caducis, tubum inferum squamis setiferis armis acuanibus. antheris brevibus ovalis subabrupte rostratis, connectivo infra loculos nullo — *Ulex cypripata* Bonpl mss — Habitat in insula Java
- 31 0. Pinnatolobata DC mss ex Naudin I c 71 f - Herbacea oreola ramosa corollae monopetala subnigra, ramis 4-gonis serratis, folns breviter petiolatis oblongis subobovatis integerrimis 3—5-nerviis MIOSUIIS, flonibus 4-nerviis ad apices ramulorum plerumque tenuis sessilibus, calycis dentibus ovato-acutis ciliatis lobum inferum squamis scissis lobatis subabrupte caducis, nervis brevibus ovatis subabrupte rostratis, connectivo infra loculos nullo — Habitat in insula Lu/oma prope Manilla
34. 0 CIUNITA Benth. mss ex Naudin I. c 72 f - Suffruticosa (?) ramis breviter serratis angustis 4-gonis, folns petiolatis ovalis acuminatis dentibus integerrimis 5-nerviis. paginae superioris stigiloso-scabra, nervis ad nervos setulosa. nonbus. 4-nerviis ad apices ramulorum paniculatis dispositis lateralibus terminalibusque subsessilibus, calycis densibus lanceolatis angustis, apice scissis-pentocellatis... tubo oblongo nervis apice serratis setosis ornato et quas. nervis brevibus. caducis antheris subabrupte rostratis, connectivo infra loculos brevibus sed manifesto - Habitat in regno Assamitico necnon in montibus Himala orientalis
- R. 2 *Longicollis*. Testaceae macranthae calyce oblongo, post antheras uiceolato longicollis (longitudine *Jatitudinis* diametrum tunc quod duplo superante), antherae longissime rostratae.
35. 0 STRELVATA Don - DC Prodr III 142 no. 20 - Naudin I. c 72 + - Suffruticosa. omnia ubi. paginae subcomplicata, sulcata ad angulos strigiloso-hispida... folns petiolatis lanceolatis acuminate acutis integerrimis 3-5-nerviis. paginae superioris pinnatis angulatis. inferiore ad nervos setulosa. floribus 4-nerviis. pan. cul. 3-nerviis. calycibus stellatis-hispidis, densibus apice setosis
- 1 ibnullo - Habitat in C* S^ J^ u' e o ^ ^
- 36 0 KLCHUAA Benth. mss ex Naudin I c 72 + - Suffruticosa. omnia ubi. paginae subcomplicata, sulcata ad angulos strigiloso-hispida... folns petiolatis lanceolatis acuminate acutis integerrimis 3-5-nerviis. paginae superioris pinnatis angulatis. inferiore ad nervos setulosa. floribus 4-nerviis. pan. cul. 3-nerviis. calycibus stellatis-hispidis, densibus apice setosis
- 1 ibnullo - Habitat in C* S^ J^ u' e o ^ ^
- 36 0 KLCHUAA Benth. mss ex Naudin I c 72 + - Suffruticosa. omnia ubi. paginae subcomplicata, sulcata ad angulos strigiloso-hispida... folns petiolatis lanceolatis acuminate acutis integerrimis 3-5-nerviis. paginae superioris pinnatis angulatis. inferiore ad nervos setulosa. floribus 4-nerviis. pan. cul. 3-nerviis. calycibus stellatis-hispidis, densibus apice setosis
- 1 ibnullo - Habitat in C* S^ J^ u' e o ^ ^

floribus 4-meris paniculatis; calycibus sensu aliquot simplicibus vel geminatis hispidulis. dentibus ciliatis apice setosis tubo subbrevioribus et cum aristis to lid em gracilibus cnodibus glabris et npace seta una et altera lermminatis allernantibus caducis; antheris oblongis rosiro gracillimo longo incurvo, connectivo infra loculos brevissimo sed manifesto. — *Habilal in India orientali*!, Khasia.

37. 0. SPECIOSA Naudin 1. c. 73. f — SiilTrutescens crecta subsimplex (an semper?): caule subtetragono scabro; foliis petiolatis ovato-lanceolatis subacuminatis acutis integerrimis vel subserrulatis ciliatis 5-nerviis, pagina superiore brevissime adpresso setulosis, inferiore praeter nervos sparse setulosos glabris; floribus 4-meris terminalibus solitariis — ternis (an semper?) basi bracteolis sessilibus ovatis fulcratis; calycibus stellato-hispidissimis, dentibus aristis apice setoso-stellatis et rubris; antheris luteis oblongis. rostro longo gracillimo incurvo, connectivo infra loculos brevissimo sed manifesto. — *Habitat in India orientali, Missouri.*

E. AMPHIBOLIUM Naudin 1. c. 74.

Calycis tubus strigis simplicibus asperatus, dentes apice setosi sed penicillo stellato destituti, denticuli subulati breves rigidi, ut et dentes ipsi caduci, nec apice setoso-stellati. Petala obovato-cordata. Stamina aequalia, antheris lineari-subulatis, apice rostro late et oblique poroso donatis, connectivo infra loculos brevissimo. — Sectio huic generi fere heterogena.

- 38 0. ASPERA Blume. — Wlprs. Repert. II. 136. no. 6. — Naudin I. c. f — Fruticosa ramosa: ramis subtectibus compressiusculisque scabris; foliis petiolatis ovato-oblongis acutis integerrimis praeter nervos submarginales 3-nerviis. utraque pagina breviter et adpresso setulosis; floribus 5-meris paniculatis: calycibus strigosis, dentibus brevioribus caducis, denticulis acutis rigidis; antheris lineari-subulatis, connectivo infra loculos brevissimo sed manifesto. — *Melastoma asperum* DC. (non Blume). — *Aslerostoma asperum* Blume, Mus. bot. Lugd. Batav. p. 50 — *Habitat in Zeylan.*

Species cu Ulendac pUrraeque autem incertimae.

39. 0. SIMSII DC. 1. c. 140. no. 8. — 40. 0. CHLONENSIS L. — DC. 1. c. 141. no. 16. — 41. 0. OCTANDRA DC. 1. c. 142 no. 25. - 42. 0. CHLONENSIS Don. — DC. 1. c. 143. no. 26. — 43. 0. ROSTRATA Don. — DC. I. c. no. 27. — 44. 0. (?) GRANDIFLORA Sm. — DC. 1. c. no. 29. — 45. 0. (?) ROTUNDIFOLIA Sm. — DC. I. c. no. 30. — 46. 0. (?) "MULTIFLORA Sm. - DC. 1. c. no. 31. — 47. 0. (?) TUBULOSA Sm. — DC. 1. c. no. 32. - 48. 0. (?) ANTKNMNA Sm. — DC. 1. c. no. 33. — 49. 0. (?) DECANDRA DC. 1. c. no. 34. — 50. 0. TERMFOLIA Hamilt. — Wlprs. Report. II. 137.

Ad sectionem *Longicollium* pertinent:

51. 0. KLEINII Amu. — Wlprs. Repert. II. 136. no. 12. - 52. 0. WALKERI Arnlt. - Wlprs. Repert. II. 137. no. 14. — 53. 0. GARDNERIANA Wght. — Wlprs. Annal. I. 299. no. 1. - 54. 0. OVATA Zolling. — Wlprs. Aimal. I. 299. no. 3.
55. 0. MYRTIFOLIA Blume, Mus. bot. Lugd. Batav. p. 51. no. 125. — Fruticulosa: ramulis eiragonis foliisque adpresso bracteatis: foliis sessilibus (parvis) lanceolatis trinerviis (interdum cum nervis 2 marginalibus inconspicuis); capitulis terminalibus paucifloris: calycis tubo inferne subnudo; antheris brevissimo rosralis. — *Osbeckia angustifolia* (baud Don) Wall, (ex pane!). — *Habitat in Nepaulia.*
56. 0. CAPITATA Benth. in Wall. Cat. 4072. — Blume 1. c. p. 51. no. 127. f — Fruticulosa: ramulis tetragonis foliisque strigoso-asperis; foliis sessilibus ovatis trinerviis (cum nervis 2 marginalibus); capitulis paucifloris terminalibus; calycis tubo sessilibus squamis

que se'oso-flmbnatis Irsuto A el pissim subnudo, ovano apice sens sub-16 long-iusculis coronato — Habitat in Silhet

57 0 DFBIMS Sondci, Linnon KXM 47 -J (nec Naudm)*) — Fiuliculosn caulibiu ndsceridennbus subqu idi inguhiibu* ghbns apicc sclis paucis acciimbculil>us scabn* folns oppositis brevitci pUiohli> oblongi? sublanccoldtuve atutis icinole senulatis tnnerviit utimquL glabns \cl supn ndpiesse subseto-ii* flonbus loimmilibus opifUo-aggiegatis bmtelils ciljcis albo-seto^ lobis 4 pectunto-cilntis appendiubus lincaubus bievionbus palmalo-uliatis — In Piomontono bonae spei (Migilibng)

58 0 CXIMIV Sonder 1 c 48 f — Ciuk< crecto anguhto pubescenti-scihro, folns opo&iti^ pcliobus quinquencivii-* oviib ncuminiti^ mirginc ^rrulalis supn adpresso MMOSIS subtus subtomentosis pllidioijbu>> jnnicuh tciminah scibii biicins aiunumlis pedunculos superntibus cahcc pilis alhis. hscituhlo-sptosis vcstito, lubo oblongo fiuclifero uicoohlo lobis 5 lanceolalis pectinalo-ciliatis deciduis, appendicibu^ hnconbus triplo breMonbus p^Imato-cilialis pclths magms obovitis — Port Nat il

XXXIX OSBECKIASTRUJM JSaud.

(Nnudm, Ann des sc mt [Scr 3] XIV p 118 tt XIII i 7)

Hos 5-merus Caljcis campanulati dentes oblongi obtusi, apice setarum fasciculo stellato terrainali cihali, tubo paulo brejorcs, caduci, tubus lubercuhs setoso-stellate, quoum 5 caetens paulo pfoDUCTIONES cum dtuhlHis altcinanl, lotus oinatus Pctala obo\ata, apice rotundala, ba-51 in un^ucm nonnihl attenuata Stamini 10, alternahin valdc macqualia, anthens Iincan-subulatis uniporosis, 5 majorum subfalcatis cl apicc subioslcllalis, connoctivo infn loculos longissime producto (loculoium fuc duj)la longiludine) fihformi arcuato et antice ultra filamenti insertionem in calcana duo uncinata et di\ergentia poneclo, staminum 5 minoium anlhcus subic(ur\is minus conspicue roslellatis, conntctivo parum pioducto (loculis circiler triplo brexioro), et ad inscitionem lilamcnli antice breutci bicalcarato. Ovanum caljci sepiis 5 adbaerons apicc setosum 5-locnlare. Stylus lonpus filiformis, stigmato puncliformi Capsula calycis tubo vestita 5-vahis Semma cochleata — Herba Scncambicnsis, erecta ramosa hispida: radice peiennaijle et subhgnosa, cauibus paucifolns, folns (saltern cauhs) bicviler peliolatis oblonpo-ellipticis subacuti^ mtegermms 3-nervns, pngim suponoro malpighiaceo-stiipillosis mfeioic hirtio-setulosis, llonbus in ljusculis bracteatis, ad apices ramulonim pedunculiformiuni appioxunalis interdunqne alanbus axillanhusve solitaiiis, sessihbus aut bic\iUi poelic ell ilis puipnids

1 O III I'II I 01II Nnuclin I 1 c < 111) -f — I/nliii it m ngus loriilibus rogiotts vulgo kouti-Dh:illon benogimbiac

XL WKROPHILA Naud

• (Niuiiliii. Ann dts s« int [Sn 3] \[\ p ny ft; XIII tab 8)

Hos t-mcius (il^us ill nU & liiaivul.ui aculi, Lubum siihiequantcs, j)cisjsl(iites Pthh obu\ih apiculala SL imiua 8 aequalia, autlicris obJongib unipoioism connetlno infra loculos non producto sed po&tico

•) Cf p 578 no 2?

nd insertionem filamenti brevissime calcarato vcl tuberculato, filamentis subulatis. Ovanum {lobosum, apice selis coionatum, 4-loculare. Stylus filiformis, stigmatate punctiformi. Capsula calyce vestita quadrvahis. Semina oblonga cochleato-remformia — Heiba Senegambiensis paludosa annua eiecta debilis: ramis filiformibus sttulo^is remote foliosis, folns sessilibus subsessilibus\e (nalis acutis obsolete serratis trinenns sparse sctosis, flonbiis ad apices iamoni saepius temis, lauus soh-tams, foliorum supeiioiini pan uno ct allcio quasi irnolucratis, flavis Planta feic habitu *Exact filifoitms*, exsiccata tota lutescit — Genus *Osbeckiae* .iffme sed prop^tr habitum, antheraium fabneam et patnam ab ea sepaiaandum

1 *i\ GEMIANOIDCS Naudin 1 1 c t 120 f — Habitat in paludosis secus flumen Senegal

XI TETHAMERIS Naud.

(iNaudin, Ann des sc nat [Sci.3] Vol XIV p 120 I 4)

Flos 4-merus Calycis denies peibistentes, tubus campanulatus. Pelala obovata Stamina 8, alteinalim rmajora et minora, interdum subacqualn, omnium anlhens subulatis aut lincan-subulatis, connectno mfi.i loculos mag is minusve pioducto et ad insertionem filamenti vane terminnto Charium libeium |e\ basi septis 8 adhaerens, 4-loculaie, ranssime tnloculaie. Stylus filiformis, stigmatate punctiformi. (apsula 4- lanssime 3-\alvis Semina cochleata — Herbae suffrutices frutices-que Austio-Afnencani, iitpliuimum Brasilicenses, habitu vano: flonbus puipureib aut \iolaceis

A SPURIAE.

a (*hanum tuloculare*)

1 T TRIVALVIS Naudin I c *Ui* f lab 4 fig 1 — Su/Tiiticoso erecto, lota pili& ngidis glandulifens birta folns peiohus orbiculan-ovniis npiculatis crenulais 7—9-ner-viis, sublus piaesertiin icticulalo-venosis pamcula terinmali subaphylla* flonbus in ramis pamculac terminalibus alanbusqut, pediccllalis — Habitat in Guiana Anglita

b Ova? mm *quadnloculm c*

2 T MARTIANA Naudin 1 c 121 f — Frutescens erecla lamosa villosa-hirsula floribundi ramis subtctrngoms folns* petiolads ovato-Inncoolatis acuminatis serruJatis 5-ner\ns poginn suponoie mollius MIOSIS tt inior noivos fovcolalis pamculis Icrminnlibus magnis flonbus vjolatois — *Arthroscmma Mmtusianum* DC Piotli HI 137 — Habitat m Brasjliae provincia Minas Gciaes

3 T CI RASTIFOLIA Naudin 1 t 122 f — SuITiulescens vcl subherbacca eiecln lamosa pube glandulifera lurtella mnis liPibteccib grm ihbus subictragoms oligoplnlhs, folns bicMlcr petiolalis ovatis subncuminitis tenuissjmc senulatis 5-neivns villosulis ramulis supicmis oliganllus pinicilialiin dispositis flonbu9 subparvis puipucis — *Arthrostemma Mai tiusunum* (?) DC 1 c (ex p) — *A cciastvloltum* DC mss — Habitat in Brasilia australi ad oras paludum enca urbem San-Java del Rev

4 T SIMPLICICAULIS Naudin 1 c f — Herbacea crecta giacilis simplicissima (an semper?) oligophvlla obgantha^ caulo obsruie 4-gono bnsulo folns sessilibus ovatis acutis tenuiter serrulalis 5-neivns, pagma uiiaque setulosis, flonbus ad apices ramulorum pamculae depauperatae teiminalibus uiplurunum turns, purpureo-violaceis — Habitat in pascuis uligmosis prope Santo Anjo Orasiliac austialis

- 5 T. ISANTHERA Naurii I. c. 123. f. — Herbacca eictn oligophylla submicrophylla oligantha caulibus glabris simplicibus UMejusculis sctoso-hirtelli» folus bieutei petiolalis laic oñnis suhacuis tenuiter sen ohms 5-nervus, pagina utraque scutulosis, (loribus ad apices caulium nmulorumque suprcmoi um CMnosis subglomeratis purpureis (?). staminibus? vix inaequalibus, conneciivo infra loculos bicivici podurio redo. — Habitat in Brasilia insula Sanctae faihauanae
- b T. SKRttULATA Naudin I. c. f. SuffVulscens Pl ecu, pnm rimosn caulo caulibusvc 4-gouis Inspidulis, folus petiohtis lincol dis acumin ã< basi subacutis senuktis 5-nervus, pngina supenoic glabellis, inknoic pilosulis, lloubus ad apices tanuloium solitauis—tcims — Habitat in Dmsilnc piovincia Rio Grando do Sul

B CEMJIN\C. (Chamelci dcbidcialui I)

- 7 T. VIOL\CCA Mudm I. c. 124. f. — Sulfiuticosa imosa linto -pubescens foln> brevissime pdiohtis subsc&silibusvc, lite omlis vel (tiam suboibicularis oblusiuMiilis itmmtpr scilulntjs 5-nemis, iiiirnodio utpliiimuni brevionbus ramulia supn mis flouferis pinicularis, (lonbus i\illaubus solitun< —leims — *Miaohcia vwlacea* Mirt — DC Piodr III 118 no 10 — Habilil in U.isilne piovincn Mmas Gerats.
- 8 T. ROTUNDIFOLIA >Jiidm I. c. + — Tiuiitulosalamosa luilo-pubeiula miciohylla oligantha inini-s .ipicc Mntum foliosis infrinc dcimdnlis folus petiolalis orbicuhiibus vix apiculdtis subiiitegcMiinis ulnnque bie\ULi cl iflpio^sc piloso-lirtellis 3 — 5-nci-VIIS. lonbus ad ipi(cs lamoium n\illaubus, soht nus violaccis' — Habitat in Brasilia septentnonali prope Ilibian
- 9 T. EXCORIATA Naudin I. c. Uo f. — Fiuiitulo^a \<lfuiico^a inmosa microphylla* ramis subtutiagoms fci i ujtnoo - Im tellis, bornolims subdense decussatimque foliosi*. vclusionbus denudatis et snnpce oxrouatis folus sessilibus ovntis auboblusis tonuisimo serrulalis, utiaque paginn pi'o^ulis 5-nciviiM, flonbus ad apices ramoium ixillanbus solilai us. Molacns? — *Mmettia eicouala* DC Piodi HI 123 (rio i Mail) An ciam *Miclotcia violucea* DC — *Miclotia violucea* Cham — Habitat in Riabiliae provincin Mmas Gciats
- 10 T. YISCIDULA ISauditi I. c. f. lab 4 flg 2 — liuticosi \tl sufTruUcosn raicioplulla dense foliosa rams subvirgatis obsolete 4-goms fcriugineo-hiisutib, folus sessilibus subsessilikusvc late coidiformi -ovalis bre\ilcr ncummotis acutis senulatis 5-nervus pulvcionio-lntelli< (lonbus in ramis suprpmls axillaribus. breviter pedicellniis, ut pluriinum solilanis, puipurco-violaccis^ — *Micuhua ustidula* Cham. — Wlpis. Report II U5 no 6, — An *Mauctia decussata* DC Prodr III 124 no 1 — Ilalutat in Brasiliao provincn Mmas Geraeo
- 11 T. STENODON Naudin I. c. Ua f. — Fiulebcens vtl suffiutescenN crcecla dense foliosa lamis? subvirgalis feiiugineo-hiitelli^ folus peliolalis late ovalis inlerdnmque suboibicularibus oblusis argute denticulatis 5-norvns, pagua utraque brevitei et adpresse pilosulis. flonbus longiusculc (pio genen) pedicell.itis. in ramuli» axillanbus brevibu^ dense foliosis submiciohyllii. congcsiis, ihyisum clon^atum menlienlibus. — Habitat in Brasiline provincia Mmas Geiac*
12. T. SERTULARIA Naudin I. c. f. — Fiutiuiulosi lamoMssima micioplulla cnoidea macranih.i, tota corollis genilalibusqup exceptis furfuiaceo-glanduloso flonbus ad apices ramulorum terminalibus solitams purpurco-violaceis. — *Mmetta seitulana* DC. Prodr HI. 125 no 11 — Habitat in Brasiliae pro> Mmas Geraes.

f *Species addenduc.*

13. T. VILLOSA Naudin I. c. pag. 127 - *Arthrostemma villosum* DC. Prodr III. 137. no. 12. — *Iihexia villosa* Aubl.

14. T. AUOLETH Naudin 1. c. — *Arthroslemma AuhlcUi* DC. 1. c. no. 13. — *Rhexia latijolia* Aubl.
 15. T. VERSICOLOR Naudin 1. c. — *Arthrostemma vei-sicolor* DC. I. c. no. 14. — *Rhexia versicolor* Lindl.
 16. T. REPANDA Naudin 1. c. — PJanta toto habitu ad *Lasiandras simplicaules* pertiinens, buc auiem propter flores 4-meros artificialiier relata. — *Chaetogastra repanda* Mart. Nov. gen. III. t. 246.
 17. T.? URUGUAYENSIS Naudin I. c. — *Arihroslemma Uruguayense* Cham. — Wiprs. Repert. II. 131. no. 2.
 18. T. BRACHYANDRA Naudin 1. c. — *Arthroslemma brachyandrum* Cham. — Wiprs. 1. c. no. 3.
 19. T.?? NITIDA Naudin 1. cit. — *Arlhrostemma nilidum* Grahm. — Wiprs. Repert. I. cit. no. 4.

XLII. (6225.) ACIOTIS *Don.*

(DC. Prodr. III. 152.)

.XLIII. (6210.) CHAETOOASTBA *DC.*

(DC. Prodr. III. 131.— Wiprs. Repert. II. 130. V. 700. — Naudin, Annal. sc. natur. [Ser. 3.] XIV. 127. tab. 4.)

Flores 4-meri et 5-meri. Calyx varie conflatus, dentibus persistentibus tubo nunc longioribus. Petala obovata aut obovato-cordata ciliata, interdum inaequilatera. Stamina 8—10 aequalia aut aliamatim parum inaequalia glabra, antheris sutyulatis saepius rectis, raro sigmoideis uniporosis, connectivo nunc infra loculos producto et tunc in insertione filamenti bilobo aut bicajcarato, nunc subnullo yej admodum dcficien-te. Ovarium saepius basi adhaerens, apice villosum, 4—5-loculare. Stylus filiformis, stigmatibus punctiformi. Capsula calycinis dentibus coronata, 4—«5" valvis. Semina cochleata rarius cochlealo-ovoidea aut subreniformia. — Frutices et fruticuli, rarius arbores, ut plurimum monticolae, in occidentali parte Americae australis, potissimum vero in Peruvia crescentes in Brasilia et Guiana hucusque non cogniti, habitu vario: foliis saepius ovatis; floribus raro paniculatis ut plurimum terminalibus solitariis aut phiribus et saepe nulantibus, purpureis, luteis aut albis.

A. LASIANDRELLAE Naudin 1. c. 128.

Flos 5-merus. Antherae subulatae subsigmoideae. coDnectivo infra loculos longiuscule producto et in insertione filamenti bitesticulato. Petaja alba, flava aut flavo-variegata (an semper?).

1. CH. DICOLOR Naudin 1, c. 128. f tab. 4. fig. 3. — Fruticosa ramosa: foliis petiolatis oblongo-lanceolatis, utrinque subacutis subinlegerrimis, praeter nervulos marginales 3-nerviis, pagiaa superiori strigoso-osperrimis, inferiore puberulis fovcolatis; floribus ad apices ramulorum terminalibus ternis quinisque, rubro- et flavo-coloraiis. — Ilablat in Bolivia, prope Chupe Yungas.
2. CH. PANICULARIS Naudin 1. c. 129. f — Fruticosa: ramis tcretibus hino-ferrugineis; foliis petiolatis ovatis ovatove-oblongis aculis integerrimis 5-nerviis, pagina superioris strigilloso-scabris, inferiore villosa-velutinis; paniculis terminalibus multifloris; floribus flavis. — Habitat in Bolivia prope Chulum ani.

- 3 CH WCDDPLLRNA Naudm I c 129 f — Fruticosa ramis junionibus tcretiusculis hirtis-feirugineis» interdumque mgic^ccnlibus , vetusiionibus epidermide soluta nudis foil is petiolati* ovuis ol)longo\c-o\ Uii subaculis subiniegnmms, piaeter neruilos mirgmalcs 5-ncrvii!>, pagina supenorc adpcesse «;euiloso-scabrellis, mfenoiie mollius villosulis, paniculis tciminahbus brevibus subconmbiformibus flonbus albis aut in luteolum vergenubus — Habitat in Bolivia ad radices montium provinciae Yungas.
- 4 fH DEPAUPERATA Naudm 1 c f- Suffruiculosa erecla, subsimplex⁷ micrantha caule seloso- villosa, folus brevilei peliolatis elliptico-hnceolatis acutis subintegemmis, utraque pagina villosis, 5-ncvii²> (nervis lateralibus basi coalitis) flonbus paucis nd apicem caulis congestis, rubens⁰ — Habitat in Bolivn

B. DICENTRAE Naudin 1. c. 130.

Flores 4-merae vel 5-merae. Antherae parvae arcuatae vel subrectae, connectivum ramos breviter productum et bitesticulatum, saepius infra loculos abrupte bilobum aut bicalcaratum, flores plerumque nuntantes, violacei aut purpurei, ramos flavii.

a Species 4 -merae

- 5 CH CAMPANULARIS Naudin I c. — Fruticosa lamosa, lora villosa-rufescens folus peliolatis ovatis subacutis integerrimis. utraque pagina seiceo-villosa 5-nervis (nervis lateralibus basi coalitis) flonbus ad apices ramulorum axillarum terminatumque foliosorum utplurimum solitarum, ramos terribus, violaceis — *Ailthroslemma campanulare* DC. Prodr. III 13b no. 6 — *Rhetia campanulans* Bonpl — Habitat in frigidis montium Peruviae, prope Loxam
- G CH QUINQUENERVIS Naudm 1 c + — Fruticosa ramis junionibus setuloso-ferrugineis. vetustioribus denudatis folus petiolatis lanceolato-oblongis acutis integerrimis, adjecto utroque nervulo marginali 5-nervis, utraque pagina villosis florum fasciculis nutantibus, in paniculas terminatas dispositis — *Arthi ostemma quinquerve* DC. I. c. no 5 — Habitat in Peruvia.
- 7 CH GOUDOTU Naudm 1 c 131 f — Fruticosa ramis setoso-singillolis lereiusculis folus subparvis breviter petiolatis oblongo-ovatis acutis, praetermissis nervis marginalibus tinnervis, pagina superiore adpcesse stitigilloso-scabris, inferiore scabrellis, flonbus ad apices ramulorum axillarum terminatisque solitarum—teinis, cernuis violaceis. — Habitat in republica Novo-Granatensi prope Bogota
- 8 CH ROSMARINIFOLIA Naudm 1 c + — Fruticosa ramosissima microphylla ramis junionibus subtetragomis, vetustioribus terribus cernatis, folus breviter petiolatis ovalo-oblongis lineave-ellipticis subobtusis, margibus saepe levolutis subintegerrimis tinnervis pagina superiore breviter adpcesseque stngoso-aspens, inferiore setulosis flonbus ad apices ramulorum solitarum, ramos ternu, cernuis violaceis, corolla cylindrica styloque longe exsertis. — *Arthroslemma rosmartmfohum?* DC Prodr. III 136 no 3 — Habitat in frigidis et montosis Peruviae prope uibes Limam et Cuzco.
- 9 CH SANGUINOLENTA Naudm 1 cit f - Fruticosa ramis 4-gonis subglabris mox excoriatas. folus peliolatis lanceolatis, utrinque acutis obsolete senulatis subintegerrimisve tinnervis, pagina superiore inter nervos singulis aliquot brevibus exasperatis, caeterum glabris flonbus in cernuis coimmbiformes 7—15-floras demum nutantes ad apices ramulorum digestis, intense violaceis. — Habitat in fruticetis montium Boliviae ad altitud 2500 metr.

b Species 5-merae

- 10 CH ICPIDOTA DC Prodr. III. 134. no 23 - Naudm 1 c 132 - Fruticosa vel poims arbores ramis junionibus 4-gonis lepidoto-scabiis, vetustioribus saepe exco-

- ratis et tunc glabratis; foliis petiolatis oblongo-ovatis lanceolatisve acutis integerrimis. adjecto nervo utroque marginali 5-nerviis, pagina superiore lepidoto-strigosis et interdum asperimis, inferiore scabris nonnunquamque foveolatis; floribus ad apices ramulorum in glomerulos paucifloros congestis involucrialis; calycibus bracteisque involucri dense lepidotis saepius purpurascens. — Habitat in frigidis montium Peruviae, Columbiae et reip. Novo-Granatensis.
11. CH. MICRODON Naudin 1. c. f — Fruticosa: ramis pulverulento-setosis subtretibus; foliis petiolatis lanceolatis acutis integerrimis trinerviis, utraque pagina villosa-setosis; floribus ad apices ramulorum foliosorum solitariis—ternis subnutantibus violaceis; calycinis dentibus remotis brevissimis. — Habitat in Bolivia prope Garcuato - Yungas.
12. GH. PENTLANDII Naudin 1. c. 133. f — Fruticosa ramosa submicrophylla: ramis junioribus subtetragonis scabris; foliis breviter petiolatis ovato-ellipticis obtusis integerrimis trinerviis reticulatis, pagina utraque sed superiore praesertim strigis aliquot brevibus conspersis; floribus ad apices ramulorum brevium axillarum terminalibus plerumque ternis; calycis dentibus brevibus remotis. — Habitat in Bolivia ad radices inonlis Uimani.
13. CH. HERMANNIOIDES Naudin 1. c. f tab. 4. fig. 4. — Fruticosa: ramis junioribus 4-gonis mox teretibus; foliis petiolatis ovato-lanceolatis acutis subintegerrimis, praetermisso nervulo utroque submarginali trinerviis, supra setoso-strigillosis, sublus puberulis; floribus ad apices ramulorum solitariis—ternis nutantibus purpureis; petalis fere in tubo conniventibus: stylo longo exserto. — Habitat in nemoribus humidis prov. Cordillera reipubl. Bolivicensis.
14. GH. CERNUA DC. 1. c. 135. no. 27. — Naudin 1. c. 133. + — Fruticosa. ad apices ramulorum foliosa, inferne denudata: ramis supremis 4-gonis; foliis petiolatis ovatis ovato-oblongis subacutis subintegerrimis. margine revolutis trinerviis, pagina superiore fere glaberrimis, inferiore in nervis marginibusque pilosis; floribus ad apices ramulorum ternis—quinis. rarius solitariis violaceis nutantibus; calycinis dentibus linearibus tubo plus quam duplo longioribus. — Habitat in frigidis montium Peruviae prope Popayan et in Columbia.
15. CH. LUTESCENS Naudin 1. c. 134. f — Fruticosa ramosissima microphylla: foliis petiolatis ovalo-ellipticis obtusis inaequaliter trinerviis, utraque pagina sed superiore praesertim adpresse breviterque strigosis, inter strigas vernicosis; floribus ad apices ramulorum plerumque solitariis cernuis; calycinis dentibus acutis tubo aequantibus. — *Rhexia lutescens?* Ruiz & Pav. — *Arthroslemma lutescens* DC. 1. c. 136. no. 4?? — Habitat in Peruvia.
16. CH. STRIGTA DC. 1. c. 131. no. 25. — Naudin 1. c. 134. f tab. 4. fig. 5. — Fruticosa microphylla: ramis supremis foliosis setoso-strigillosis rufescentibus; foliis strictis breviter petiolatis oblongo-ovatis subacutis integerrimis trinerviis. pagina superiore strigillosis. inferiore setulosis; floribus ad apices ramulorum solitariis—ternis nutantibus; calycibus setoso-villosis. dentibus late ovatis tubo sublongioribus. — Habitat in frigidis montium Peruviae et reipubl. Novo-Granatensis.

C. ADESMIAE Naudin 1. c. 135.

Flores 5-meri et 4-meri. Antherae rectae aut parum arcuatae, connectivo infra loculos nullo vel vix perspicuo, nunquam tuberculato nec calcarato. Petala violacea aut purpurea (an semper?).

a. *Species S-merae.*

17. CH. GANESGENS DC. 1. c. 134. no. 19. — Naudin 1. c. 135. f — Fruticosa: ramis junioribus villosis-rufescentibus; foliis breviter petiolatis ovatis, saepius obtusis, rarius

- acutis integerrimis 5-nerviis, pagina utraque seneco-villosa, superna rufescentibus*, inferna saepius canescentibus canescendo-lomentosis flonibus ad apices ramulorum solitaris—terms interduque plunibus, cernuis. calycis villosuli dentibus tubum subacquantibus. — *like via canescens* Bonpl. — Habitat in frigidis montibus Puraso prope Loiam
- 18 CH SULPHUREA Naudin 1 c f — Fruticosa ramis superius pubescentibus obtusis, folis petiolatis ovatis ovato-ellipticis subobtusis subintegerrimis integerumve trinerviis, pagina superiore breviter singosis, inferiore foveolata pubescentibus flonibus ad apices ramulorum saepius terms ant plunibus natis luteolis calycis dentibus obtusis tubo brevioribus — Habitat in Columbia prope Quito
- 19 GH ROSTRATA Naudin 1 c f — Fruticosa ramis junonibus dense molliterque hirsutis rufescentibus, folis breviter petiolatis ovatis obtusis subobtusisve integerrimis trinerviis, pagina superiore inter nervos distincte stigmatosis, inferiore villosa-canescens, flonibus ad apices ramulorum ternis aut plunibus nutantibus, petalis purpureis fere in tubum connatis stylo non aut parum exserto — Habitat in Peruvia
- 20 CH MICROPHYLLA Naudin 1 c 136 f — Fruticosa ramosissima microphylla ramis supremis hirsutis rufescentibus, folis petiolatis oblongo-ellipticis obtusis integerrimis trinerviis, pagina superiore adpresse setulosis, inferiore villosis flonibus ad apices ramulorum ternis vel plunibus, rarius binae solitariae, nutantibus* — Habitat in Peruvia, an etiam in rep. Isovato-Gianalensi?
- 21 CH CONERTA DC 1 c 135 no 28 — Fruticosa ramosa microphylla folis petiolatis ovatis ovato-ellipticis obtusis, inargine revolutis, trinerviis, pagina utraque superiore adpresse setulosis, flonibus ad apices ramulorum solitariis bractea sexuplici involucrali cernuis — *Ulexia conferta* Bonpl. — Habitat in frigidis Peruviae prope Loxam
- 22 CH HONPLANDIANA Naudin 1 c 137 f tab 4 fig 6 — Fruticosa ramosa ramis supremis pubescentibus-lutescentibus. folis breviter petiolatis ovalis obtusis integerrimis trinerviis, pagina superiore adpresse setulosis, inferiore lomentosis flonibus ad apices ramulorum solitariis terms. — Habitat in Peruvia et rep. bovo-Granatensi.

b *Species 4-merae* — An *Chaclogastria* vere species?

- 23 (II) NIGRITELLA Naudin 1 c. f. tab 4 fig 7 — Fruticulosa ramosissima submicrophylla glaberrima ramis junonibus subtetragonis, verticillis excomis foliis petiolatis elliptico-lanceolatis subobtusis tenuissimis scriulatis, paucis conspicue lincis (nervo laterali utroque submedio) (lobus ad apices ramulorum lemmalibus fere corymbosis cernuis — Habitat in Peruvia montibus dicitur San^uru

f *Species addenda*

- 24 CH RHYNCHAMHERA Benth — Wlprs. Rept. V 700 fig 1

¶ *Species ignotae, sed ei descriptionibus* incomplete ul videtur ad alia genera leinotendae*

- CH LHOTZKYANA Steud - Wlprs Rept V 700 no 2 = Lasiandia?
 CH SCHIEDEANA Schlechtl & Cham - Wlprs Report H. 130 no. 1 = Oreocosmus?
 CH RUFIPILIS Schlechtl - Wlprs 1 c no 2 = Oreocosmus?
 CH FERRUGINEA Hook & Arn — Wlprs 1 c no 3 = Oreocosmus?
 CH. SHERARDIODES DC 1 c. 133 no. 18 = Lasiandra' v Micranthella'
 CH ECHINATA DC 1 c 135 no 26 = Purpurella'
 CH DICHILIS Cham — Wlprs 1 c II 131 no 6
 LH CALLICHAETA Benth 8c Hook — Wlprs 1 c 130 no 4 = Lasiandra?
 CH, TACHYLOPH^LU Benth. - VM_{pr&}. I. c. m. no. 1

XLIV. *CASTHATELLA* Naud.

(Naudin, Ann. des scienc. natur. [Ser. 3.] XIV. p. 139. tab. L fig. 8.)

Flos 4-merus. Calyx campanulatus, dentibus tubum subaequantibus. Petala obovato-orbiculata seta apicali terminata. Stamina aequalia, antheris oblongo-obovatis uniporosis, inferne in connecivum breve vix conspicuum attenualis. Ovarium liberum 4-loculare. Stylus filiformis, stigmate punctiformi vel subcapitellato. Capsula 4-valvis. Semina cochleata? — Herba Novo-Granatensis monticola, tota hirsuto-villosissima: radice sublignosa; caule scapiformi; foliis fere omnibus radicalibus subradicalibusve petiolatis ovato-lanceolatis subintegerrimis 5—7-nerviis; floribus ad apicem caulis subcongestis bracteolatis. — *Marta habitu Lasiandram hieracioidem et L. nudicaulem referens.*

1. 'C. PILOSELLOIDES Naudin 1. c. f — *Arlhrostemma piloselloides* DC. Prodr. III. 136. no. 2. — Habitat in Andibus prope Bogotam ad altitud. 2000 metrorum.

XLV. (6223.) *CHAETONEPIS* Miq.

(Osbeckiac sectio 2. DC. Prodr. III. 140. — Naudin, Ann. des scienc. natur. [Ser. 3.] XIV. p. 140. tab. 5. fig. 3.)

Flos 4-merus. Calycis dentes triangulari-acuti, lobum hemisphaericum subaequantibus cum pilis aculeiformibus totide in alternantes. Petala obovata vel ovata, seta apicali terminata. Stamina 8 aequalia vel subaequalia, antheris ovato-oblongis aut subulatis uniporosis, connectivo non manifeste producto. Ovarium liberum, apice setosum, 4-loculare. Stylus filiformis subrectus vel subsigmoideus, stigmate punctiformi. Capsula 4-valvis. Semina cochleata. — Fruticuli Austro-^mericani, saepius monticolae, ramosi submicrophylli: floribus flavis.

1. CH. MICROPHYLLA Miq. Comment, phytogr. II. fig. 2. — Naudin 1. c. + — Erecta basi ramosa: foliis parvis petiolatis ovatis obtusis integris strigillosis trinerviis; floribus parvis, ad apices ramorum congestis, corymboso-paniculatis. — *Osbeckia microphylla* DC. 1. c. no. 5. — Habitat in montibus prope Santa Fe de Bogota.
2. CH. ALPINA Naudin 1. c. f — Erecta ramosa: foliis petiolatis lanceolato-ovatis, apice acutiusculis, basi aculis, lenissime ciliolatis, parum conspicue 3-nerviis, sparsa breviterque setulosis subglabris; floribus ad apices ramorum paniculae corymbosae congestis subsessilibus. — Habitat in montibus prov. Caracas Sierra-Nevada ad altitud. 3000 ad 3200 metrorum.
3. CH. ANISANDRA Naudin 1. c. 141. f — Fruticulosa ramosa decumbens?: ramis furfuraceo-hirtellis; foliis petiolatis latissime ovatis subacutis, infra apicem vix conspicue serrulatis trinerviis, sparse pilosis; floribus ad apices ramorum paucis? solitariis? — Habitat in Guiana Anglica prope Roraima.

XLVI. (6195.) *SPHENOBRA* Mart.

(DC. Prodr. III. 115. - WJprs. Repert. II. 124. V. 689. Annal. I. 297. - Naudin, Ann. des scienc. natur. [Ser. 3.] XIV. p. 141. tab. 5.)

Flos 4-merus. Calycis subglobosi dentes brevissimi. Petala ovata aut lanceolata, acula, raro ovata, Stamina 8 aequalia vel parum in*

aequalia, antheris orbiculatis, ovatis elliptico-oblongis uniporosis, connectivo infra loculos producto aut non producto et cum filamento simpliciter articulo. Ovarium globosum liberum, rarius ad medium usque adhaerens, glabrum, biloculare. Stylus filiformis, magis minusve sigmoideus aut leucis, stigmatibus punctiformi. Capsula bivalvis aut irregulariter lacera. Semina cochleata. — Herbaria, rarius suffrutices Austromexicanae et Antillanae, plerumque paludosi vel in locis umbratis humidis. Lentes folia ut plurimum ovatis, floribus sessilibus parvis paniculatis indecoris, albis aut roseis.

A. Antherae orbiculares aut ovatae, biconnectivae, connectivo infra loculos nullo vel subnullo

- 1 SP. SPHEROSTYLIS Naudin I c 142 f tab 5 fig 2 — Herbaria annua caulibus ascendentibus folia perfoliata lanceolatis, utrinque aculeis integerrimis innervis sparse pilosis panicula parva terminalis subcorimbosa — Habitat in uliginosis Peruviae prope Cuzco
- 2 SP. DICHOTOMA Benth — Wlpr Report II Hi no 2 — Naudin 1 c f — Herbacea annua humilis erecta ramosa ramis debilibus 4 - marginatis et fere 4 - alatis ciliatis folia late ovatis subacutis subobtusisque, basi angustata in petiolum conducentibus, sublimiter crenulato-serrulatis et fere integerrimis 3 — 5-nervis mollibus subpellucidisque glabris ramulis supremis floribus in paniculas breves quasi aggregatis — Habitat in uliginosis Guianae Angliae
var. *p. lanuoiata* varietati a similis sed folia oblongo-ovatis lanceolatisque, basi praesertim aculeis et in petiolum attenuatis. Intermedia videtur inter *S. dichotoma* et *S. anomala* Miquel — Habitat in uliginosis Guayanae Batavae prope Oude Reidm
- 3 SP. ACUMINIFOLIA DC 1 c lib no 9 — Naudin 1 c 143 f — Herbacea annua erecta ramosa folia petiolaria ovato-lanceolata acutis serrulatis subglabris innervis, paniculis parvis subcorimbosis alatis et ad apices ramorum axillaribus. — Habitat in locis humidis uliginosisque Diasiae aequatorialis
- 4 SP. PALUDOSA DC 1 c 115 no 1 — Naudin 1 c f — Herbacea annua erecta ramosa caule inferne radicante ramis hirtellis subulatis, folia petiolaria late ovalia subacutis ciliato-serrulatis 5-nervis paniculis confertis brevibus subcorimbosis — Habitat in paludosis Brasiliae australis, prope Rio de Janeiro
- 5 SP. FERRUGINEA Naudin I c f — Herbacea inferne suffrutescens? erecta ramosa ramis subulatis luteo-ferrugineis folia petiolaria ovato-oblongis subacuminatis pilosis ciliato-serrulatis 5-nervis paniculis terminalibus parvis — Habitat

B. Antherae ovatae, oblongo-ovatae vel subobovatae et cylindricae, connectivo infra loculos magis minusve producto

- 6 SP. ROSTELLATA Naudin 1 c 143 -j- — Herbacea inferne suffrutescens? erecta ramosa ramis alato-tetragonis hirtellis folia perfoliata ovatis acuminatis acutis tenuiter ciliato-serrulatis 5-nervis pilosis panicula magna, ramis divaricatis — Habitat in uliginosis prope Teapa reip Mexicanae
- 7 SP. ULIGINOSA Naudin 1 c 144 f — Inferne suffrutescens erecta ramosa caule ramisque tetragonis subglabris folia petiolaria ovatis acutis ciliato-serrulatis, supra praesertim pilosis, subtus glabris glabrisve paniculis terminalibus majusculis, ramis divaricatis — *Melutoma uhgmota* Bonpl mss. — Habitat in uliginose secus ripas Onnoci

8. *SP. CIRCAEOIDES* Martius mss. in DC. 1. c. 116 no. 10. — Natidin 1. c. f — Inferne sulTrutescens erecta: caule ramisque leiragonis nlaais glabroscentibus; foliis petiolatis oblongo - ovatis acuminatis aculis cilioto-serrulatis, caelcrum glabris trinerviis mollibus; paniculis terminalibus. — Habitat secus ripas fluminis Amazonum prope Ega, necnon in Guiana Anglica.
9. *SP. RUBRICAUUS* Marl. — DC. I. c. 115. no. 8. — Mart. Nov. gen. Ilk 113. f tab. 255. — Naudin 1. c. f — Erecta, bnsi frulescens, superne herbacea succosa pauciramosa macrophylla: ramis acute 4-gonis et breviter 4-pteris, pilis glanduliferis paucis conspersis; foliis petiolatis ovato - lanceolatis acuminatis, basi rotundatis aut subcordatis, argute serrulatis, 5—7-nerviis; panicula magna terminali sublaxa dichotome ramosa; floribus albis aut pallide roseis. — *Sp. grandifolia* Miq. — Wlprs. Repert. V. 689. no. 2. — Habitat in Guiana Gallica.
10. *SP. DYSOPHYLLA* Bnth. — Wlprs. Repert. II. 124. no. 3. — Naudin 1. ?. 145. f — Herbacea erecta vel ascendens parum ramosa: caule ramisque ictragono-alatis pubescenti-hirtellis; foliis petiolatis ovatis acutis basi rotundatis ciliato-serrulatis 5-nerviis puberulis; panicula parva terminali. — Habitat in Guiana Anglica.
11. *SP. POLYSTACHYA* DC. 1. c. 116. no. 14. — Naudin 1. c. f — Herbacea basi suffrutescens erecta raraosa, iota pubescens: ramis subalatis; foliis petiolatis cordiformi-ovatis acuminatis ciliato-serrulatis 7-nerviis; paniculis alaribus terminalibusque, ramis subsimplicibus secundifloris. — Habitat in umbrosis Brasiliae septentrionalis.
12. *SP. KAPPLERIANA* Naudin 1. c. 146. f — Herbacea? crecla ramosa tota puberula foliis longiuscule petiolatis ovatis ovalis acutis ciliato-serrulatis 5-nerviis; paniculis terminalibus laxis. — *Sp. viscida* Miqu. (non Bnlh.) — Habitat in paludosis umbrosis Guianae Batavae.
13. *SP. VISCOSA* Naudin 1. c. 146. f — Suffruticosa ramosa: ramis hirtellis subalatis; foliis petiolatis ovalis acuminatis basi subcordatis ciliato-serrulatis puberulis 5-nerviis; paniculis longiusculis terminalibus. — *Melastoma viscom* Bonpl. mss. — Habitat in America aequatoriali prope Maypurcs.
14. *SP. CIRCAEIFOLIA* DC. 1. c. 116. no. 12. — Naudin 1. c. f — Suffrutescens erecta ramosa: caule ramisque fusciscentibus hirtellis; foliis mollibus petiolatis oblongo-ovatis neutissimis, tenuissime serrulato - ciliatis, caeterum glabris, basi subcordatis, 5-nerviis; paniculis terminalibus. — Habitat in Brasilia et Guiana.
15. *SP. SILENIFLORA* DC 1. c. 116. no. 16. — Naudin 1. c. f — Suffrutescens? erecta ramosa fere omnino glabra: ramis subalatis; foliis oblongo - ovatis acuminatis basi rotundatis vel parum cordatis tenuissime ciliato-serrulatis 5-nerviis; paniculis alaribus terminalibusque majusculis; calycibus inflatis dipteris. — Habitat in Brasilia.
16. *SP. ACUTIFLORA* Mart. — Wlprs. Repert. II. 12*. no. 6. — Naudin 1. c. 147. f — Suffruticosa raraosa erecta: foliis longe petiolatis ovato-acuminatis, basi subrotundatis nec cordatis, interdum aculiusculis, tenuissime serrulatis breviter puberulis 5-nerviis; paniculis terminalibus magnis divaricatis ramosis; floribus minulis, in alabastro acutis. — Habitat in Brasilia.
17. *SP. MARTINICENSIS* Naudin 1. c. f — Suffrutescens?: caule ramisque 4-pteris glabrescentibus; foliis petiolatis ovatis, apice et interdum basi acutis, tenuissime serrulato-ciliatis subquinenerviis, supra sparse breviterque pilosulis, subtus ferme omnino glabris; paniculis alaribus terminalibusque, majusculis. — Habitat in insula Martinica.
18. *SP. INDECORA* DC. 1. c. 116. no. 15. — Naudin 1. c. f — Suffrutescens tota hirsuta ramosa: ramis fusciscentibus, junioribus birto-ferrugineis; foliis petiolatis ovatis breviter acuminatis ciliato-serrulatis, basi rotundatis vel subcordatis 5-nerviis; paniculis alaribus terminalibusque. — Habitat in Brasilia.

- 19 SP PAMCUL ARIS Naudin I c. 148 f — *Suffi* utescens iwrto-furfuracea caule ramisque 4-ptens decumbendbus mot ascendentibus? folus petiolalis ovatis subacuminatis, basi rotundatis interdumque nonnihil cordatis, viz conspicue serrulato-ciliatis 5-nerviis, paniculis alantibus terminalibusque, magms. — Habitat in Peruvia prope Limam

C *Species sectionis incertae.*

- 20 SP ANOMALA Miqu — *Wlprs* Keport V. 689 no 3 — Naudin I c. 148 f — Herbacea subglabra folus lanceolatis utrinque acutissimis et micciolum brevem attenuate trinervis subinlegibus; paniculae ramis marginatis paucis dichotomis subsecundifloris — Habitat in Guina Bdtava pi ope Surinam.
21. SP. ORNATA Miqu *Snrp* Suunamens select p 56 f t 13 — Herbacea erecta vel basi decumbens caule ramisque tetragomis anguste margatis, angulis, petiolium marginibus, folus in nervis, praevalim subtus subnullis, pilis foliorum rubellis, folus longiuscule petiolalis, ovatis vel ovalo-oblongis obtusis vel acutiusculis, basi cordatis. ciliato-senulatis quibusdam, subtus purpurascens, thjso terminali longe pedunculato, laniis dichotomis, lloibus omnibus pedicellatis, bracteis lanceolatis, pilis calycis diam glanduliferis, taljce campanulato, staminibus octo, alternis paulo majoribus, capsula bilobata, loculicide decidua bivalvi — Crescit in Surinam prope Dergendaal
22. SP. QUINTUPLINARIA Miqu I c 57 f — Filicicola lamulis, petiolis folisque nervis marginibusque pilis glanduliferis glandulis luteis, folus longe petiolatis, cujusque jugi inaequalibus, ovalo-oblongis vel oblongis *obtusis acuminatis, basi rotundatis aliquando inaequalibus lepidodenticulatis subquinquelineis, thjrsis terminalibus vel axillaribus dichotomis, calycis tubo calicem praesequente vel basin hirtello, dentibus quibusque bievibus, petalis linearibus setula terminali, staminibus decem aequalibus, connatis aliquid proclivo vix majoribus. — Crescit in Surinam (Ad sectionem alteram pertinere videtur)

*f *Species addendae, pluraque autem micellissimarum et foliis jam sub alis nonnibus discipulae*

23. SP. ANMIA Martius in DC I c 115 no 2
 24. SP DRACHYBOTRYA DC I c no 3
 25. SP LATIFOLIA DC I c no 4
 26. SP FRAGILIS DC. I c no 5
 27 SP. PELLUCIDA DC I c. no 6
 28. SP. LONGIFOLIA Martius in DC I. c. no 7
 29. SP. LAXA DC I. c. 116 no 11
 30 SP DICHOTOMA Dunal — *Wlprs* Reprint II. 121. no 2
 31 SP VISCIDA Benth. — *Wlprs* I c no 5
 32. SP. TETRAPTERA Miqu. — *Wlprs* I c no 7
 33. SP. HYDROPHILA Miqu — *Wlprs* I c no 8
 34 SP. SIEBERI Steudel — *Wlprs*. I c V 689 no 1.
 35 SP. CAULIALATA = *Aithroslemma cauhalalum* Ruiz et Pav

XLVI. DIHTOPHORA Benth.

(Benth. in Hooker Niger Flora 355)

Calyx urceolato-turbinatus, basi orano adhaerens, apice liber membranaceo brevissime sinuato-dentatus. Petala 5 late ovata acutiuscula. Stamina decem conformia, antheris subrostratis umporosis, con-

nectivo basi breviter producto, postice leviter dilatato emarginato. Ovarium quincloculare, apice nudum. Capsula membranacea, cum calyce membranaceo maturitate irregulariter disrupta? Semina numerosissima, placentalis carnosulis affixa cochleata, vix rugulosa. — Suffrutex Africanus, habitu *Spenneris simillimus*: floribus majoribus.

1. *D. SPENNEROIDES Benth. 1. c. 355. f — Crescit in insula Fernando Po.

' XLVIII. CUJYOSTIA Naud.

(Naudin, Ann. des sc. nat. [Sor. 3.] XIV. p. 149. t. 12.)

Flos 5-merus. Calycis dentes aculi, tubum campanulatum aequantes. Petala ovato-lanceolata. Stamina 10, aequalia, antheris late ovoidis et fere suborbicularibus, obtusis, apice poro vix perspicuo deliiscentibus, connectivo infra loculos longiuscule producto subrecto, nec a filamentum, quod mere articulatum videtur, distincto (an connectivum vere productum?). Ovarium apice liberum, reliqua parte adhaerens, subglobosum 5-loculare. Stylus subsigmoideus, stigmate capitellato. Fructus (ignotus) absque dubio capsularis. Ovula subcochleata. — Herba Senegambiensis tenera glabra: caulibus prostratis ascendentibus, radicantibus; foliis parvis petiolatis late rhombicis ovatis subobtusis basi attenuatis serrulatis; floribus paucis solitariis parvis roseis.

*. *G. TENELLA Naudin 1. I. c. c. 150. f — Habitat in terra humida ad rivulos Senegambiae.

XLIX. HAPIODESKUKE Naud.

(Naudin, Ann. des sc. nat. [3. Scr.] XIV. p. 150. t. 5. fig. 4.)

Flos 4-merus. Calyx late campanulatus, dentibus tubum subaequantibus. Petala oblongo-obovata obtusa. Stamina 8 aequalia, antheris oblongo-obovatis uniporosis, connectivo infra loculos non producto vel saltem a filamentum non distincto. Ovarium liberum, apice setis coronatum 4-loculare. Stylus filiformis, stigmate punctiformi. Capsula calycis dentibus persistentibus coronata 4-valvis. Semina cochleato-ovoidca. — Frutex (annon potius arbuscula?) Venezuelensis Andinum, ramosissimus microphyllus. micranthus: foliis petiolatis ellipticis rigidis, marginibus revolutis trinerviis strigilloso-exasperatis; floribus ad apices ramulorum axillaribus terminalibusque solitariis — ternis, purpureis?

1. *H. LINDENIANUM Naudin 1. c. f — Habitat in Andibus circa Truxillo et Merida ad alt. 1300—4000 metr.

L. (6212.) HESBINIA Schlcht.

(Wlpra. Reperit. V. 703. — Naudin, Annal. des scienc. natur. [3. Sor.] XIV. p. 150. tab. 5. fig. 5.)

Flos 4-merus. Calycis dentes triangulari-acuti tubum campanulatum subaequantibus. Petala obovata retusa subinaequilatera. — Stamina 8 alternatim inaequalia, antheris ovato-oblongis subobtusis uniporosis parum arcuatis, 5 majorum connectivo infra loculos longe producto,

vix incurvo el ultra filamenli insertionem in appendices duas calcari-formes reclas obtusas comiivenles deorsum vergentes porrecio, 4 minorum connectivo minime producto nee tuberculato. Ovarium liberum apice setis coronatum, 4-loculare. Stylus tiliformis subsigmoideus, stipmate punctiformi. Capsula 4-valvis. Semina cochleala. Folia tri-nervia. — Suirruticuli vel potius licrbae^xMexicanae, monticolae, divaricatim ramosae, decumbentes aut crectae: ramis gracilibus; foliis petiolatis late ovatis et subcordiformibus crenulatis trinerviis sparse setulosis, fere glabris; iloribus axillaribus. solitariis lon^ius breviusve pedunculatis, purpureis. — Genus *Heterocentro* characteribus iloris fere simillimum sed habilu diversissimum.

1. H. PROCUMBENS Naudin 1. c. p. 151. — Planla microphylla 2¹/₂—3-decimetralis; folia 6—8 millim. longa lalacue suboblusa, pctiolo fere 4-millimetroali. Pedunculi 3—4 centim. circiter long?. Calyctis tubus hirtus. Petala cenlimetroalia. — Habitat in rupibus monium in Mexico ad alt. 1000—1200 inelr.

+ *Species addenda*[^]

2. ML ELEGANS Schilchtdl. — Wlprs. 1. c. no. 2. — Foliis multo toajoribus potissimum differt.
3. ML? ? CUPHEOIDES Dmb. — Wlprs. 1. c. no. 1. — Species ut videtur ad aliud genus rcmovenda.

II. (6201.) HETEROUOITIA DC.

(DC. Prodr. III. 122. — Naudin, Annal. des scienc. natur. [3. Ser.] XIV. pag. 151. tab. 13. fig. 2.)

Flos 4-merus. Calycis dentes triangulari-acuti tubo oblongo multo breviores persistentes. Petala obovata apiculata caduca. Stamina 8 macqualia heteromorpba, antheris linearibus falcatis uniporosis, 4 majorum connectivo infra loculos producto et in appendicem linearem ascendentem apice tridenticulatam aut hifurcam ultra lllamenti insertionem antice porrecto, 4 minorum infra loculos bre\i vel subnullo et aristis duabus ascendentibus, interdum basi coalitis, terminato. Ovarium 4-loculare, ad medium usque vel amplius adhaerens, apice liberum. Stylus filiformis, sligmate pu^ctiformi. Capsula calyce vestita, 4-valvis. Semina cochleata striata crassiuscula. — Herbae interdum basi suffrutescentes, in variis locis Amrcicae ausralis ot septenlrionalis necnon in Antillis quibusdam indigenae, ramosae: foliis petiolatis ovatis acuminatis serrulatis, in eodem jugo saepe nonnihil disparibus; floribus ad apices ramorum paucis cymosis vel subscorpioideis laxis, roseis aut purpureis. — Species habitu inter se simillimae.

1. H. COBENSE Naudin 1.*c. 152. f — Foliis subglabris 5-nerviis ciliato-serrulatis; floribus majusculis. — Habitat in insula Cuba.
2. II. GOUDOTIANUM Naudin 1. c. f - Foliis glabellis aut sparse pilosulis longiuscule petiolatis mollibus serrulatis, 5- rarius 7-nerviis. jugis distantibus; Horibus cymosis paniculatim fere dispositis paucis laxissimis. — Habitat in repub. Novo - Granatensi prope Ibague.
3. II. DIVERSIFOLIUM DC. 1. c. - Naudin 1. c. 15#f - Ramis debilibus sparse pubentibus; foliis in codcm jugo inaequalibus (uno alterum duplo superante) ovalis acunai-
• nan's, tenuitci- serrulatis glabellis 5-nerviis; Qoribus in ramis paniculae laxae goliariis[^]

mine nlaribus nunc lateralibjs interdumque subscorpioideis. roseis aul purpurefc. — *Bhexm diva si folia* Bonpl. — Habitat in Pcruvia et republ. Novo-Granatensi.

4. II. CAMPANULARE Naudin I. c. p. 153. — Differt a praecedente calyce magis campanuloto et quam ovarium duplo longiore necnon npendice staminum majorum bifurca, quamvis inter lobos apparent denticulus brevissimus. — *Ttielasloma volubilis* Bonpl. — Habitat in Columbia prope urbem Caracas.
5. II. VOLUBILE Naudin I. c. — // *diversifolio* maxime afflne eique fortassis etiam coadunandum, sed staminum majorum connectivum loculis ipsis longius est et appendix tantummodo bifurca. Calycis tubus oblongus fere cylindricus DOC oblongo-campanulatus ut In // *campanulari*. — Habitat in Columbia prope Mariquita.
6. II. GALEOTTIANUM Naudin I. c, + — Foliis supremis oblongo-ovatis acuminatis ciliato-«errulatis 3—5-nerviis pilosulis; llongibus terminalibus cymosis paucis roseis. — Habitat in montibus Mexicanis prope Veracruz secus rivulos, ad altitudinem 1000 melror.

Species addendae:

7. *H. CILTATUM Naudin I. c. pM51, — *Arlhroslemma tiHatam* RuizetPav. — DC. Prodi*. HL 138. no. 16.
8. ML ?? LATIFOLIUM Naudin I. cit. — *Arlhrostemma latifolmm* Don. — DC. I. cit. no. 17.

LII (6202.) IIETEUOCEWTHOIS *Hook, y Am.*

(Wlpp*. Ilcpert. V. 699. — Naudin, Annal. des scienc. natur. [3. Ser] XIV. pag. 154. tdl. 13. flg. 1)

Tlos 4-mcrus. Calycis denies trian^ulari-acuti, lubum campanulaluin buljaoquantcs. Petala obovata. Slamina 8, alternatiru inaequalia, hnd omnino conformia, antheris lincari'-oblongis uniporosis, loculis undulatis, 4 majorum conneclivo infra Joculos longc producto et ultra iilamonti inscrilionem in appendices duas rec(«is calcariibrmcs connivenles arilice poireclo, 4 minorum connclivum brevissimc aut ^ix productum scd infra Joculos bituberculalum. Ovarium costis 8 parurn conspicuis basi adhacrens, superne liberum, apicc scctis coronalum, 4-loculare. Stylus filiformis, stigmatc punctiformi. Capsula 4-valvis. Semina, cochlcata. — Suffrutices fruticesve Mexicani, monticolae erecti ramosi, inter *Mclastomeas* foliis multiplinerviis et fere omnino penninerviis memorabiles: floribus paniculalis albis aut roseis.

1. II. UNDULATUM Naudin I. c. 155. f — Suffruticosum (?): ramis tetragonis sulcatis belulosis; foliis ovatis subobtusis in pctiolum nonnihil decurrenlibus integris 9—11-plinerviis, utraque pagina et marginibus setulosis; panicula parva terininoli. — Habitat in rep. Mexictina prope Guadalaxaram, ad alt. 1000 metr..
2. II. AXILLARE Naudin I. c. f — Su/Truticosum? villosululum: ramis supremis stdcatis subtetragonis; foliis pctiolnlis ovato-lanceolalis, ulrihque acutis, vix conspfcue serrulatis subintegfisve, 11—15-plinerviis» villosis; cymis corymbosis 5—9-floris avillaiibus, in paniculam elongaiam disposiia. — Habitat in provincia Oaxaca ad altit. 1000 metr.
3. H. MACROSTACHYUM Naudin I. c. f — Suffruticosum (?): caule ramisque tetragonis setulosis scabriusculis; foliis petiolatis, late elliptico-ovaiis obtusis subobtusisve, basi in peliolum nonnihil dbcurrentibus, tenuissimo serrulatis, utrinque villosis 9—13-plinerviis; paniculis partulibus laxis in paniculam majorem teruinalcm disposiis. — Habitat ju provincia Ouiacu, in sjlvic ad altit. 1000 metr,

4. II. MEXICANUM Hook. & Arntt — Wlprs. Repeit t. V. 699. no. 4. — isaudin 1. c. 156. f — Suffruticosum (?) paniculac lamis profunde sulcalis, folns ovato-ellipticis villosulis multiplmerviis, paniculis flonbundis axillanbus subnancatis, flonbuâ albis. — Habitat prope Xdlapam ad alt. 1000—1200 mcti. in Mexico.
5. II. ALPESTRE Naudin 1. c. + — Fruicosum' romosum folns petiolatis ovato-lanceo-Jads, ulnque acutis subniegicirimis villosis 13—15-plinorans, paniculis numerosis parvis terminilibus. — Habitat in montibus vulgo Cordilleia prouincia Oaxacanae ad alt. circiter 2200 metr. in Mexico.

f Species tynotae, inccrliwmac et huic gnei t fortaws addendae •

- b II (?) DICRANAPSTHERUM Naud. 1. c. — *Monochaetum dioananthei* Naud. — Wlprs. Reperit. V. 702. no. 14.
7. II. (?) HUMBOLDTIANUM Naud. 1. c. — *Monochaetum Humboldtianum* Knth. — Wlprs. 1. c. no. 13.

LIII. (6211/2.) MOLTOCHIAETUM Naud.

(*Itinostemma* Sect. 5. DC. Piodi. III. 133. — Wlprs. Repeit V. 701, Annal. I. 298. — Fsaudin. Ann. dcs sc. nat. [3. bei] IV. p. 157. — *Güsthvvia* Kaislon. — Wlprs. Annal. I. 298)

Flos 4-mems. Calicis oblonso-campanulati dentes tubo subacuales aut bicoloris aculi caduci vel persistentes. Petala obnala. Stamina 8 alternim inaequalia, filamentis complanatis, antheris longe subulatis acutis unipoliosis, connedno infra loculos non producio, & postice in caudam ano conflam, anthera ipsa saepius brevior, polio. Ovarium basi tantum costis 8 subvanidis adhaerens subcomponum, apice allosum, 4-joculae. Stylus filiformis natis minus igneus, bligmalc punctiformi. Capsula 4-valvis. Scina cochlearata. — lules siliquesque plurimum monticolae, in republica Mexicana non in Columbia et Peruvia hucusque cogniti, lamosi: lous plinque Inpl—septuplinervns, ncnis coincimilibus; parva supenore unpressis, unde folia sultata vidontur, lobibus pauptis aut volaceis, antheriarum minorum cl foilassis sticilium (ilamentis quani fcililium ut plumnum Jongionbus.

1. M. LATROLIUM Naudin — Wlprs Repeit V. 701. no. 1. — Naudin 1 c 157 f — Fulicolum cl suffruticosum lamis alicinalim bmc et nne linea dupliti illiciile notatis. (saltern m siccis speciiuibu*); folns petiolalis ovatis subacuniunlis aculis mollibus mtefecimimis, villosulis lacidumqub buligLibn?. «unitupluiciv&, cinn», axillanbus lermnlibusquo 3—7-flons, flonbus majusculis Molaceis, Lajus dontibu magnib caducis — Habitat in icpublii o-o - Ginnacusi cl (rezuelens).
2. M. UMBELLATUM Naudin — Wlprs 1 c. no. 2 a. Annal I 298 no. 1. — Naudin I. c. 158. f — Suffruticosum ramosum lous peliolalis elliptico lanceolalis acuib mtegenimis. supra inter ncnos impicssos glabios lncatim villosulis, sepiuplmerviis. flonbus majusculisad apices iamulorum axillaium in umbellas aut corjmbos subplnlos dispoeitis, calicis dentibus mans caducis. — *Guschowia hula* Kaisten. — Wlprs. Annal. 1. 298. no. 1 — Habitat ad npas Ormoci et prope Caracas.
3. M. LINDENIANUM Naudin 1 c. 158. f — Frutesrens divancalim ramosum submicrophilluin. lamis 4-goms nodosis villosuhsuis; folns ovahbus acutis iniegermimis villosib quintuplinervns, flonbu* ad apices mmuloiui in cymas pauci/loias foliosas, que disposals, calicis deutibus magnis, caducis. — Habitat in monte Quindiu prouincia Uuca jejiubljae Ism-Grauatciis., aO ulii. uiciter 3000 metr. in

4. *M. OLIGANTMIM* Naudin I. c. p. 159. f — Suffrutescens (?): ramis irregulariter 4-gonis; foliis graciliter peliolalis lanceolatis, apice et basi acutis integerrimis, praetermisso nervulo utroque marginali triplinerviis, margine setulosis; floribus majusculis ad apices ramorum solitariis; calycis dentibus magnis ut videtur deciduis. — Habitat in provincia Onxaca rcipubl. Mexicanao.
5. *M. TENELLUM* Naudin I. c. f — Suffruticulosum: ramis gracilibus birtellis; foliis oblongo-ovalis acutis subintegerrimis integerrimisque quintuplinerviis, sparse setulosis, margine ciliato-sellosis; floribus ad apices ramorum ramulorumque in cymas paucifloras dispositis, rarius solitariis; calycinis dentibus tubo subaequilongis persistentibus. — Habitat in republicis Guatemalensi prope Patrizia.
6. *M. STELLULATUM* Naudin I. c. p. 160. f — Frutescens, totum pube stellata adpressa rufescente tomentosum, submicranthum: ramis subieretibus, internodiis flongatis; foliis late ovatis acutis subacutisque integerrimis quintupli — sextuplinerviis; ramulis floriferis in paniculis terminatis quasi dispositis; floribus albis. — Habitat in republica Novo-Granatensi inter urbes Chopo et Pamplona ad altitudinem 3000 metrorum.
7. *M. PLUMOSUM* Naudin I. c. + — Fruticosum: ramis subteretibus ferrugineo-tomentosis hirtellisque; foliis ovalis oblongo-ovatis acutis integerrimis quintuplinerviis, pagina utraque dense molliterque villosis; paniculis secundariis numerosis in paniculas majores aggregatis; calycis dentibus tubo subbrevioribus persistentibus aut laeviter deciduis. — Habitat in republica Mexicana prope Oaxaca.
8. *M. PULCHRELLUM* Dene. Revue horlic. 1848. Mars. 15. ex Naudin I. c. 161. f — Suffruticosum ramosum, pubes stellata minuta obductum: ramis hirtis cinereis; foliis petiolatis ovato-lanceolatis acutis integerrimis, supra inter nervos impressos villosulis, praeter nervulos marginales quintuplinerviis; panicula terminali multiflora; floribus mediocribus. — Habitat in republica Mexicana.
9. *M. RIVULARE* Naudin I. cit. f — Fruticosum ramosissimum: ramis junioribus hirsutissimis rufescentibus; foliis brevissime peliolatis ovato-oblongis acutis integerrimis, utrinque inter nervos villosis triplinerviis; cymis multifloris axillaribus in paniculis terminalibus foliosas congestis; calycibus intense purpureis; floribus albis et roseis subparvis. — Habitat in caecis rivulis circa Cacate rcip. Mexicanae.
10. *M. HARTWEGIANUM* Naudin. — Wlprs. Repert. V. 708. no. 7. — Naudin I. c. f — Fruticosum vel suffruticosum: ramis novellis hirtis; foliis petiolatis ovalo-oblongis acutis integerrimis villosulis interdumque subglabris, praeter nervulos marginales triplinerviis; ramulis floriferis axillaribus in paniculati terminalem digestis; calycibus purpurascens; petalis roseis. — Habitat in montibus Mexicanis prope urbem Veracruz ad alt. 1300 metrorum.
11. *M. MULTIFLORUM* Naudin I. c. 162. ^ — Fruticosum ferrugineo-villosum ramosum: foliis petiolatis ovato-oblongis subacuminatis acutis integerrimis, fere septuplinerviis, utrinque rufo-villosis; paniculis secundariis pluribus in unam majorem terminalem digestis; floribus subparvis. — *Arthrostemma multiflorum* DC. Prodr. VI. 138. no. 23. — *Rhexia multiflora* Bonpl. — Habitat in umbrosis humidis ad ripas Orinoci.
12. *M. URACHYURUM* Naudin I. cit. f — Fruticosum: ramis villosis hirsutis rufescentibus; foliis ovatis oblongo-ovatis acutis integerrimis villosis septuplinerviis; panicula terminali divaricata ramosissima aphylla floribunda; dentibus calycinis tubo triplo quadruplo brevioribus persistentibus. — Habitat in republica Novo-Granatensi.
13. *M. FUSCESCENS* Naudin. — Wlprs. Repert. V. 701. no. 3. — Naudin I. c. 163. + — Fruticosum (?): caule ramisque fuscescentibus pilosis; foliis petiolatis lanceolatis acutis integerrimis 5-nerviis vel quintuplinerviis, supra inter nervos lineatim villosis; floribus in cymas paucifloras axillares paniculatis digestis; calycibus post anthesin 8-costatis, dentibus saepe 3-jersisicibus. — Habitat in Andibus Peru, via Loreto.

- 14 M ENSIFERUM \audm — Wlpis 1 c 702 no 6 — Naudm 1 c f — Fiulicosuni lamis subdivancili's foliib pctiohls Imean hnccolalis obtuswsculis intcgcinuis supii ghbclli* vel spiisc selulosis subtus villosuhs piruin conspicuc tiiphnervns llonbus nnjuiculis id ij ices nnuiloium termul bus solittrns, roscis — Hibim in montibus Mtxicanis prountnc 0 xicmat
- 15 M TMPLJNrRVC Naudm — A\lpis 1 c no 8 — Naudm 1 c + — Fiuticulosum l imis Imsuto-villosis folns ptliolatis oblougo hnccolui>> utnnque aoutib inttgcin- mis MIOSUHS tuplinuvns flonbus ad apices ninuloium soliiarus ianus> icinis 10- scis Cdljubu<> Hue Lift i is nutantibus — Inbitat in moniibus Mtxicanis pi ope Vcia- cruz id alt 1300 niciroium
- 16 M CWDOLIE VNUM P^audin 1 cil p 164 f — riulitiilosum* pneccidenti ommmo afflnc ct ib co loita^c non dislinclum lamis tdmn mini-* ^racilibus folns nngis o\ilis frjtibu>> non maiufesie nutanubus calycibus sdulosis minus in peditelium ibtiintibus — *Ailhi flnmma calcauilum* DC 1 c 138 no 18? — Habitat in Mexito
- 17 M AI11S11U Niudin — Wlpis 1 t 701 no 4 — JNaudm 1 c f — Frutitulosum nmo*uin folns |<liol itis ovitis atulis mir get i urns piactcr margmes seluloso-tilialos nervobqie subtus |ilosulos ^libus tiiplmci \us> llonbus ad apices ramuloi urn saepius soliiinus nro buns loinisvc cahtibus canipinuhtis setulosis purpurascenlibus pet- tis |mi in us — Ihl itJt in moniibus MCMCIHS nd altitudinem 2660 njclr in prov. (n\ica
- IS M RHRrOII] LAI Muilin — Wljis I c 70^ no 10 — ^^udln 1 c f — Fiulito- suin lamosum fnc ,l ibtiium f In^ ovi o hnttohlis sul oblusis intcgernmis pi IC- itrns j utiuqiu ncivuh m iginili tuj lincIMIS cjmis avilluibus pleiunique tufflois il \ZLC*> mnoiuni ip|i \im itis tlixrsos breves fobosos forimntibus. — IJabilnt in iigione fugi li itipirijl Novo-UnnatcnJsis piope Ouindiu, Sant i-Fc* Queictuo
- 14) M R0^H \M)II ^ uidin — \M|is 1 t no II — ^audlll 1 c 165 -j——Iiulicosuin i im sum ianus fi 11 u^mco -Inrsutis folns j ctiohls late cliiplico- ovalis intcgcmims, utim pi stucco MIOSU'IS (nncsetntil US qumluplincIMIS c\mis]Liumqut ludoris ixilhnbus — Hibilil in \inciien mci idiou ill bttiib flunicn Aimzonuin tt praescilini pi ope uibcin. Puia^c
- j- SI>CCILS addendai scd non omm s en lac juaulam [mtassis sub aim nommibus destnptae
- 20 M OSCCKIOIDI S Naudm 1 c Ib5 — *Guschovia osbcti toides* Kltzsth 8c Karst.— Wlprs Ann d I 298 no 2
- 21 M MI RIDI \SI N-md — CM ch wia *Muidcnsis* Kltzsch — \Mprs 1 c no 3
- Xi. M LINLATUM Nnud — Wlpis Repert V 702 no 15
- 23 M DLPPI ANUM Mud — \itinoslemma *Deppeanum* Schlichtdt fit Cham — Wlpis Repeit H 131 no 1
- 24 M FLORIBUNDLM rsaud — *Aitinustemma flonbundum* Schchldl — Wlpis 1 c no 5

^uboido II. JU&TMOIVIEJLEI UTaud.

(Ann des scienc naiui [3 Sei] \II png 201)

Hoics aboitu inteidum unise\inles Calycis limbus simplex 4n- thciac lontiludinahtci Jjinmos-K connectivo mfia loculos nunquam producto posticc nomnliil mcias^alo ml luherculato Ovanum ad apicena usque toto ambitu idliaciens, subdepressum 2—5-loculare, loculis polyspermis, phcenhs e columna untiali aut fundo loculoium orUs, btigmate capiUldlo au(pellato, in lobot, nunquam di\iso Fiuctuscap- bulans (an etiam Subbicadib'), mcpulaiiler luplihs (an semper'), ner- vos calyunos solulo puenchvmite Jibeialos exsiccatot, ct persisientes relmquens Sewma du_dul<ita oblon&a. — Aibusculae aut arbores aT_j

chipclagi Indici nonnullarumque Oceaniae insularum indigenae: foliis pectiolalis inlegerrimis nervis primariis convergentibus; floribus 5-meris (an semper?) albis roseis aut purpurascensibus.

Subordo III. *MI. BE & SIEA. E* Xaud.

(Ann. des scienc. natur. [3. Scr.] Vol. XII/pag. 201.)

Calycis limbus simplex. Antherae birimosae, connectivo infra loculos nunquam producto, postice saepe luberculato. Ovarium depressum, ad apicem usque toto ambitu adhaerens quadriloculare, loculis polyspermis; placentalibus parietalibus aut ex fundo loculorum ad basin columellae orlis; stigmate clavato breviter 4—8-lobato interdumque quadrifido. *Kiiclus*. . . . ? — Arbusculae et arbores in Archipelago Indico et Moluccis obviae: foliis integerrimis, nervis primariis convergentibus; floribus ad nodos fasciculatis aut solitariis caeruleis.

Subordo IV. *JFLEMICYLAE* DC. Prodi- HI. 5. (ex p.)

(Naudin, Ann. des scienc. natur. [3. Scr.] Vol. XII. pag. 202.)

Calycis limbus simplex. Antherae biiimosae, connectivo postice in appendicem conicam producto. Ovarium toto ambitu adhaerens uniloculare. Ovula 4—10 columnam centram, cui, funiculo brevissimo affixa sunt, circumdantia. Stigma punctiforme indivisum. Fructus baccatus monospermus (an semper?). Semen magnum ovoideum, embryonem cotyledonibus valde accretis involutum continens. — Frutices et abores a Senegalia et capite Donae Spei ad Asiam tropicam insulae quo Indiae vicinas recurrentes: foliis petiolalis aut sessilibus, integerrimis glaberrimis, saepe coriaceis, 1—3-meris; floribus parvis, ad nodos ramulorum fasciculatis, rarius paniculatis terminalibus, caeruleis aut violaceo-caeruleis.

Subordo V. *MO JIITLAE* IVaud.

(Ann. des scienc. natur. [3. Scr.] Vol. XII. pag. 202.)

Calycis limbus simplex. Antherae paulo infra apicem rimulis duabus lateralibus interdumque poris duobus apicalibus fere scissis, connectivo postice incrassato aut in appendicem conicam producto. Ovarium ad apicem usque toto ambitu adhaerens, 2-¹-3—4-loculare, loculis oligospermis, ovulis placentibus brevibus centralibus affixis, stigmate acuto vel punctiformi indiviso. Fructus baccatus 2—4-spermus. — Frutices, arbusculae et arbores Americae meridionalis incolae: foliis integerrimis plerumque, nonnunquam subcoriaceis uninerviis aut penninerviis; floribus ad nodos ramulorum fasciculatis luteis v. albis.

Genera reliqua ordine Endlicheriano recensebo.

**Subordo I. MEZILSTOMJEA. II Ser. in DC.
Prodr. III. TOO.**

6176/2. **OCHTOCHARIS** *Blume*.

(Wlprs. Report. V. 681.)

1. **O. BORNENSIS** Blume, Mus. Bot. Lugd. Bat. 40. no. 91. f — Foliis ovalo- v. oblongo-Janceolatis acuminatis, basi acutis v. obtusiusculis membranaceis trinerviis; cymis subsessilibus axillaribus. — *O. Javanica* Krthls. (nec Bl.J — In insula Borneo.)

6190. **IKKIOF, O\IV** *Racli*.

(DC. Prodr. III. 113. - Wlprs. Report. II. 121. fig 917. V. 683.)

1. **H. MACULATA** DC. 1. c. no. 4. — Hook. Bot. Mag. tab. 4551.

6190A. **ERIOCHTEMA** *Naud.*

(Wlprs. Report. V. 683.)

- i. «**E. MARMORATUM** Naudin — (ubi?) — Paxt. & Lindl. Flow. gard. I. 27. fig. 14.

6192. **SO * KIM J, A** *Rxb.*

(Wlprs. Report. II. 122. V. 684, Annal. I. 296.)

1. **S. STRICTA** Hook. Bot. Mag. tab. 4394. — Annuua: caule erecto stricto acute tetragono ranioso; foliis oppositis, supremis quaternaria verticillatis lineari-lanceolatis puberulis remote serratis uninerviis discoloribus; spicis terminalibus paucifloris, rhachi OTariisque obtuso trigono-cylindraceis glanduloso-pilosis. — In insula Java.
2. **S. SCAPIGERA** Hook. Lond. Journ. of bot. VII. 672. t. 23. — Glaberrima acaulis: foliis radicalibus cordatis serratis, longe petiolatis heteroneuris: scapis folia aequantibus; pedicellae umbellato-raceraosis, Oore longioribus; calycis tubo glaberrimo infundibuliformi obscure trisulcato, limbo trilobo, lobis triangularibus acutis; petalis obovatis oblique acutis; staminibus stylum aequantibus; stigmatibus depresso-globosis. — Habitat in India orientali ad Bombay.
3. **S. INSIGNIS** Blume, Mus. bot. Lugd. Batar. p. 11. no. 17. - Herbacea: caule subramoso, superne subpubescente; foliis oppositis longe petiolatis 5—7-nerviis ovatis acuminatis, basi rotundatis vel subcordatis argute serrulatis ciliatis, supra strigoso-scabris, subtus glabris, altero nonnihil majore; racemis terminalibus longiuscule pedunculatis umbelliformibus; capsula turbinato-trigona glabra. — Habitat in sylvis montanis insulae Sumatrae.

6190₂. ACIPETALiUM Turcz.

(Turczan. Flora [B. Z.] XXXI. 710.)

Calyx tubo turbinato decemcostato fibero aut vix cum ovarii basi connato, dentibus quinque linear-subulatis longis, sinu lato sejunctis (non duplicatis). Corollae petala quinque, dentibus calycinis alterna linear] -oblonga acuminatissima. Stamina decem, filamentis planiusculis aequalibus, antheris oblongis, basi parum latioribus, erostratis uniporosis, connectivo baud producto. Ovarium oblongum longitudinaliter sulcatum, vertice pilis brevibus densis barbatum. Stylus filiformis glaber, stigma acutiusculum. Capsula cosolata libera, calycis basi persistente fulva loculicide dehiscens in valvis trilocularis, loculis polyspermis. Semina angulata, umbilico basilari. — Frutices: ramis quadrangularibus; foliis oppositis 3—5-nerviis tomentosissimis; floribus in apicibus ramorum cymosis aut spicatis mediocribus; petalis coccineis in acumen flavum desinentibus. Genus ad *Eriocnema* Naud. pluribus nobis accedens, forma petalorum et habitu distinctum.

1. A. RUGOSUM Turczan. Bullet. de la soc. des natural. de Moscou XXI. J. p. 578. — Foliis ovatis obtusis 5-nerviis, margine crenulatis, supra rugosis glabris aut vix setosis, subius dense tomentoso-lanuginosis; floribus cymosis. — In Brasilia.

2. A. LINEATUM Turczan l. c. — Foliis ovatis aut ovato-oblongis trinerviis parallelis venosis iniegerrimis, supra viridibus, infra incanis, utrinque dense villosis-tomentosis; floribus interrupte spicatis. — Folia quam in priore triplo aut quadruplo majora. — Habitat in Brasilia.

6190₃. BREDIA Blume.

(Blume, Mus. botan. Lugd. Bat. pag. 24. fig. 4.)

Calycis tubus obovoideus subtetragonus, inferne ovario adhaerens, limbus quadridentatus patens. Petala 4, calycis faucibus inserta obovata obtusa. Stamina 8, alterna minora. Antherae oblongae, basi affixae, majores arcuatae, minores rectiusculae, apice uniporosae, basi connectivo antice bilobo, postice obtuse calcarato appendiculatae. Discus stygicus cupularis carnosus crenulatus. Stylus filiformis. Stigma punctum pruinatum. Ovarium quadriloculare, oophoris cum lamina integerrima angulo interno loculorum affixis. Ovula plurima anatropa. Fructus forsan capsularis apiceque loculicide dehiscens ut in *Sarcopyramidi*, *Anerinleisto* aliisque generibus tribus *Sonerilearum*. — Herba suffruticosa hirsuta, in Asia orientali obvia: foliis oppositis petiolatis subcordato-ovatis, membranaceis quintuplinerviis denticulatis, altero minore; cymis axillaribus et terminalibus, rubicundis paucifloris; floribus mediocribus roseis.

1. * BR. HIRSUTA Blume l. cit. pag. 25. no. 48. f. fig. 4. — *Ilhexia Fasikan* von Siebltd. — Habitat in hortis Japoniae culta.

6203. OXYSPORA DC.

(DC. Prodr. III. 123. — Wlprs. Repert. II. 127.)

* * O. YAGANS Wall. — Hook. Bot. Magaz. tab. 4553.

6218. *LiCHBTOPOJIIIJIII Illume.*

(Wlprs. Repert. H. 132.)

1. 'Li. BRACTEATUM Illume, Mus. bot. Lugd. Batav. 5^h no. 139. — *Otantliera bracteala* Krthls. — Wlprs. Repert. V. 707. no. 1.

6222. *PTBROIiEPIS DC.*(Wlprs. Report. II. 137. V. 708. — *Oshcckiae* Sect. 3. DC. Prodr. III. 140.)

1. 'PT. GLOMHRATA DC. 1. c. 141.' — Miqu. Stirp. Surin. select. 55. — *Plerolcpis llotst-munni* Sludcl. — Wlprs. Report. V. 708. no. 2. — *Chaelogasira callichæta* Bnth. — Wlprs. Report. II. 130. no/4.

6222A. *IISSOTIS Bnth.*

(Until, in Hooker, Niger Flora 346.)

Calyx cnoïduo-lubulosus, ovario medianlibus costis adnatus vel (lciiiiini liber, limbi laciniac 5, deciduao, apicc plurisctae, squamae pal-matim selosae in lubo sparsae vel subseriatim dispositae. Petala 5 arnpla. Stamina 10, antheris lineari-falcatis rosrlalis uniporosis, 5 petalis opposita connectivo longissimo filiformi postice in appendices 2 tenues producto, 5 laciniis calycinis opposita antlieris dimidio minori-bus, connuclixo bre\i sed pariler filiformi el bicalcarato. Ovarium disco seloso coronalum 5-loculare. Stylus aequalis vel superne le\iter incrassatus, apice truncato-dilatatus et stigmalosus. Capsula calyce inclusa, fere libe\ia 5-ocularis, \alvulis 5 loculicide dehiscens. Semina numerosa .tochlcala. — Herba Africana crecta, liabilu *Chaetogastris* Americanis approximans.

1. *D. GRANDIFLORA Bnlh. - *Osbeckia tjrandiflora* Sin. — DC. Prodr. III. 143. — *Me-lasloma clongatum* Don. — DC. 1. c. 147. — Crescil in Sierra Leone.

6222 $\frac{1}{2}$. *HETKttOTIS Bnth.*

(Bntli. in Hooker, Niger Flora 347.)

Calycis tubus ovalus vel oblongus, ovario medianlibus costis adna-lus vcf demum liber, limbi lacinae 5, persilentes membranaceae re-Clxnc. apice uni—pluriselosac; squamae setiferae in tubo sparsae, vel sub limbo numcro definilo (calycis laciuarum aequali vel duplo) in an-nuhim disposilao vel oninino deficientes. Petala quinque ampla. Stamina decem, anllieris lineari-falcatis subrosrlalis uniporosis, quinque petalis opposita connectivo elongato filiformi poslice in appendices 2 oblusas vel .in unam biidam prdducto, 5 laciniis "calycinis opposita antheris minoribus, connectivo brevi postice emarginalo. Ovarium disco sctoso coronalum quinqueloculare. Stylus aequalis vel superne leviter emarginatus, apice truncatus stigmatosus. Capsula calyce inclusa, fere libera quinquelocularis, valvulis 5 loculicide dehiscens. Seraina nu-mcrosa coclileala. — Ilcrhae suffruticesve Africanae, procumbentes vel ascclitientes, rarius erectae. Flores terminales solitarii vel capitati.

§. 1. Floribus solitariis vel distinctis, intra bracteas parvas saepe deciduas breviter pedicollatis, squamis in tubo calycis sparsis. — *Heterotis*.

1. IF. LAEVIS Dnth. in Hooker, Nitfer Flora 348. -f — Glalira procumbens: foliis ovntis orbiculatisvc; lloribus solitariis; calycis squamis sparsis paucis parvis 1—2-selosis, summis cum laciniis calycinis aliernantibus. — Crescit.in Nigritia.
2. II. PLUMOSA Dnth. 1. cif. 318. f— Procumbens: foliis ovalis suborbiculantisvo cauloquo pilosis; floiibus solitariis; calycis squamis sparsis numerosis plumoso-setosis, summis cum laciniis nlternantibus. — *Melasloma plumosuni* Don. — DC, Protr. III. 147. — *dsbechia rotundifolia* Sin. — DC. 1. c. 148. — Crescil in Sierra Leone.
3. II. PROSTRATA Bulh. 1. cit. 349. f — Caulc proclmbente strigoso-pubescente; foliis ovalis oblongisve glabriusculis; lloribus solitariis; calycis squamis numerosis sparsis ciliatis, apice sicllato-setosis, summis cum laciniis calycinis alternailibus. — *Melasloma protitrata* Sebum, ft Thoiin. — Ocscit in Nigriiia et Guinea.

§. 2. Flonbus solitariis vel distinctis intra bracteas parvas brevissimè pedicollatis; calycis squamis 10 sub limbo in anulum dispositis. — *Cyclostemma*.

4. IF. ANTENNINA Bnlh. I. c. 319. f — Cnuc ilcumbente seloso-ciliato; foliis lanceo-; ilis ovatisvc, pctiolo dilainto longe ciliato; floiibus paucis distinctis; calycis squamis 10 sub-limbo in nnnulum dispositis longe pcclinato - ciliatis. — *Osbeckia antennina* Sin. — DC. 1 c. 113. — Crje*cil in Sierra Leono.

§. 3. Floribus solitariis vel distinctis, singulis bracteis scariosis involutis; calyce laevi nudo. — *Leiocalyx*.

5. II. SKGREGATA Dnth. 1. cit. 350. + — Suflrucosa, appresse strigillosa: foliis oblongis subova isvc 5-ncrviis; floribus ad apices ramulorum 1—3-nis distinctis, singulis bracteis scariosis involutes; calyce laevi nudo. — Crescit in Nigritia.

§. 4. Floribus capitatis, cum bracteis scariosis calyces includentibus inermixtis; calycis tubo nudo vel squamis paucis stellato-setosis in tubo sparsis. — *Wedeliopsis* Planchon mss.

6. H. TFFAEFOLFA Bnlh. I. cit. 351. f — Caulo erecto glabro vel ad angulos scabro; ciliis intrapctiolaribus longis rigidis; foliis oblongis, novellis pilosis; Aoribus capitatis bracteis scariosis involutis: cnyce laevi nudo. — *Melastoma theaefolia* G. Don, Gard. diet. II. 764. — Crescit in Sierra Leone.
7. If. CORNIFOLIA Bnth. I. c. f— Caulc subglabro; ciliis interpetiolaribus lenuibus; foliis brevissime petiolatis oblongis quinquenerviis parce strigosis ad costas ciliatis; lloribus capitatis bracteis scariosis involutis; calycis tubo versus medium squamis paucis scllntorsetosis onusto, laciniis glabris. — Crescit ad Grand Bassa in Nigritia.
8. II. VOGELII Bnth. 1. cit. 352. f — Caulo minute stigilloso; ciliis interpetiolaribus pnr-VTK: foliis petiolatis ovalis 5—7-nerviis. supra sparso slfgillosis, sublus pollidis subnullis; (loribus capitatis bracteis subfoliaceis involucratis; calycis tubo nudo, laciniis ad costnm slrigifiosis. — Crescit in SJerra Leone.
9. II. CAPITATA Dnth. I. cit. 352. f — Caulc pubescente; foliis breviter pctiolulis lalo ovalis (jHinquenerviis, suprn sparse strigosis, subtus glabriusculis pallidis; lloribus capitatis bracteis scariosis vol apice fbiaccis involucratis; calycis tubo nudo laciniisque glabris. ** *Melasloma capitatum* G. Don 1; c. 764. — Crescil in Sierra Leone.

6229. CMHEMIA Don,

(DC. Prodr. III. 155. — Wlprs. Report. II. 138. V. 709. Annal. I. 299.)

1. CL. (*Manga*) IRIMILIS Miqu. Linnaea XXII. 542. f — Fruticulosa liumilis subsimplex: caule subieirogona cum yetiolia i>florcsccniia ^olycibusque den^c soiosis, pubc sllellata

tencinma selis immnxta, folns longe petiolais ellipticis oblonⁱ^e subcuniinatls dcn-
 uculatis, subtus in nems margmcque seiosis, supra sens basi luimdis mslructis 5-ph-
 vel sub-5-nervus cum ncivulis marginalibus hinc obsoletis pamculis tcuninalibus
 solilams vel aggiegntis, flavescenli-hispidis biachialis, r »mis apicc subglomerato-
 llonferis, cañns uiceohti dentibus lincari-hnceohiia pchlis pams lanceolate acu-
 ininatis — Crescit in Biasiliae proMüicia Minos Gerai s.

6236 MEDIHniilia *Utuduh*

(DC Piodr. HI 167. — >|Ipis Repejt II 142 > 711, Ann d I 300.)

Seel. II. *SARCOPIACUNTI* Illume.

- 1 M MAGNIFICA Lindl in Pnxt Flow, gaid 1K50 p 55 t 12. — Van Houllc, Huic ih>
 series VI 125 t 572 — Hook Dot Mag tab 4533 — Rimis compr[^]sis rtirdpicus,
 ad nodos setosis loins opposite comcois glabiis scssilibus obovato- oblongis coidalis
 bubamplcxicaulibus cuspidilis infia medium Inplincivus pone basin pinnato-costalis ,
 pamculis terminrlibus olongitis pendulis, i urns voi ticillitis bi icleis mavimis colo-
 lalis quiernalisi niullineiviib dociduis floi ibi^{l*} dccuuhis — V *Inacttata* Hortor —
 Habitat in insula Java,
- 2 M SIEBOLDIANA Planchon in Van Houtlc, Flore des scnes V I 492 — Glabcrnma
 ramis teretibus (cpidermido gnsca in longuin fls&a), nmulis supieims obsoletissime
 letragonis, id basin inleiodioium stuposo- baibatis* foliis oppositis breviter potiohlit
 (ptiolis crnssis, 5—6 Jin lon[^]ris) oblon^o,^r-ellipticis, ulunqac acutiussciilis (5—8 poll
 longis, 2—3 poll latib) iniogernmi'[>] ciassjusculis tuplinerviis, cum uems 2 margina-
 libus vcniformibus, supra satunte vindihiiis, subtus pallidionbus et ciebie pamtulatis,
 \cnis transversalibiis vix conspicuis pamculis c ramis denudatis oitis pedunculatis
 mulunois, floribus pedicellatis tetrnmeiis, cnlycis ovnlo-subglobosi limbo maigme
 crosg petalis rosco-albis, anhciarum Molicenium appenditulo bisilan brevi bilobo
 lutco — In Moluccis
- 3 M. CUSPIDATA Blume, Mus bot Lugd Bat p 18 no 30 f — Ramulis terctibus vei-
 rucosis, foliis oppositis brevissimo pctiolatis cliplitis cuspidatis, basi rotundatis tupli-
 ncr\ns carnosis cymis ramosis axillanbus llonbus otlandris — *M Hasaeltu* (baud
 BI) var *J ah folia* Krthls. — Habitat in montanis m[^]ulae Borneo
4. M KORTHALSH Blume 1. cit p 18 no 31 — Ramulis. tcietibus venucosis, foliis
 subsossilibus oblongis acuminatis, basi subcuneati* tnplinervus carnosis, c\mis lamosis
 axillanbus, floribus octandns. — V *succulenta* (baud Blume) Kitills — Habitat in sylv>
 montanis Sumatrac
- 5 M CELCBICABlumcl.cn p 18 no 32 f — Ramulis leictibus venucosis, foliis
 elliptic[^] vel oblongo-ellipticis, utnnqac angustatis triplmervus camosis pedunculis
 confertib axillaubus pctiolos adaoquantibus \el longionbus uniflons — Habitat m
 sylvib circa Tondano in insula Celebes.

Sect. V. *HETEROBLEMMA* Illume, Mus. bol Lugd. Bat. p.' 19.

Calycis tubus ob(noideus, limbus brevis truncatus, obsolete denlatus.
 Petala ovata. Antherarum connectivo antice obsolete bidentato, postice
 in calcai latum obtusum desinente.

- 6 M ALTERNIFOLIA Blume, Mus bot Lugd Bat. p. 19 no 33. f - Ramulis subtetra-
 gonis radicanibus folns. allcinis longisime pctiolatis ovali-oblongis vel oblongo-laO-
 peolous jicuminaiis, basi acuuubtul[^] HIMCI quiniuplmeivjjs, pedunculis e ~~tubercu~~^{*}

axillaribus et lateralibus brevibus uni- vel paucifloris; floribus octandris. — Habitat in sylvis paludosis insulae Sumatrae.

Sect. VI. *APATEON* flunie 1. c. p. 19.

Calycis latus subglobosus, limbus ultra ovarium productus, obsolete dentatus. Petala 4—5 acutiuscula. Antherarum connective* antice et postice paulisper prominente. Spermophora utrinque inflexa. Semina punctato-aspera. — Frutices vulgo scandentes radicanter, glabri aut in ramulis ultimis foliis junioribus pedunculisque furfure obducti: foliis oppositis, brevissime petiolatis vel sessilibus convergentibus-nervigeris vel mixtinerviis; pedunculis axillaribus, uni- vel cymoso-multifloris.

7. *M. MACROPHYLLA* Blume 1. c. p. 19. no. 34. + — Ramulis ultimis fusco-leprosis; foliis breviter petiolatis ovalibus acutis, basi rotundatis, supra glabris, subleprosis convergentibus-nervigeris; ramulis laniosis axillaribus. — Habitat in sylvis montanis Sumatrae.
8. *M. BORMERSIS* Blume 1. c. p. 20. no. 35. f — Ramulis ultimis fusco-leprosis; foliis brevissime petiolatis ovalibus acutis, basi obtusis, supra glabris, subleprosis convergentibus-nervigeris. — 3/. *Javensis* (Hud 131) Kthls. — Habitat in insula Borneo.
9. *M. AMPLEXICAULIS* Blume 1. c. no. 36. + — Ramulis glabris; foliis sessilibus semiamplexicaulis cordatis acutis venosis glabris; pedunculis axillaribus et terminalibus brevibus unifloris. — Habitat in sylvis montanis Sumatrae.
10. *M. AIURICATA* Blume 1. c. no. 37. f — Ramulis glabris ad nodos muricatis; foliis sessilibus cordatis acuminatissimis quintuplinerviis glabris; pedunculis confertis axillaribus brevissimis unifloris. — Habitat in sylvis montanis Sumatrae.
11. *M. (?) SALIGIFOLIA* Blume 1. c. no. 38. t — Ramulis teretibus radicanter; foliis breviter petiolatis oppositis aut verticillato-quaternis anguste lanceolatis, utrinque acuminatis subleprosis uninerviis. — Habitat in montanis insulae Javae.

f. **loon addenda.**

- M. SPECIOSA* Blume. — Wlprs. Report. II. 142. no. 17. — Morren, Annal. de la soc. d'hortic. de Gand V. 373. tab. 281.

6236%. **HYPEXANTHIA** *Blume.*

(Blume. Mus. bot. Lugd. Bat. p. 21.)

Flores bracteis caducis involucri. Calycis tubus elongato-cylindricus ovario adhaerens ecostatus, limbus breviter quadrifidus. Petala 4, (trapezoidica acuta, alterna angustiora crassiuscula. Stamina 8 subaequalia. Antherae subulatae, basi affixae subarcuatae, apice uniporosae, basi connatis antice subbilobis, postice truncatis cum anthera confluentes. Ovarium in parte libera stellato-pubescentibus. Stylus subulatus. Stigma parvum obtusum. Bacca ovoideo-globosa, calycis limbo coronata quadrilocularis. Spermophora cum lamina integerrima angulo interno loculorum affixa, utrinque inflexa. Semina plurima recta punctato-aspera. — Frutex Moluccanus super arbores parasiticus, in ramulis, petiolis, pedunculis calycibusque pubescentibus densa stellata obductus: foliis oppositis ovali-oblongis, saepe inaequalibus integerrimis venosis, subleprosis; cymis pedunculatis terminalibus alaribus

lamosis bracteis fugacibus involucratis, flonbus mediocnbiis carneis pedicellis lubns hteralibus, sub flore bracteis duabus decidms

- 1 II VI rsOSUM Blume 1 c — *Medmdla unnsa* niume — WIprs Ripert II 143 no ^0 — *Mela toma icnnsun* Blume — DC Piodr III 150 — Uabmt in Moluccis

6236/2 DACTYIIOTA *bhtme*

(Blume Mas bot Lugd Bat p 21)

Iloies bracteis persistentibus involucratis fahcis lubus snbelobosus, cum o\ ii 10 ronnilus pcnh-oniis lmsuliliis, lunbis bracteis Ininditub obsolete dtntalns Pchh 5—6 obcnaia ol liqu i oblusa tr> in*(uh Stamina 10—12, aequaln \nlhtrie subulahe, basi affixac aicmhc apice iiiipoio^nc b IM cornecho jnhce sul bilcbo po^lice unicilenario cum nthcia conlluuite 0\ainun annulo carno^o dcnlitulato basin ^yh vagirnnlc coronalum Shins tilifoimis Stiema pnnclum pruinorum JJacca subgloio^a cahcis limbo coromla 5—6-loculans Spermoplora cum lamina intepcirima annulo inlerno loculornm affixa, ulnnque brt- \iter infWi Scimna plunnrn recta JacMii^cula — hutices mAiclupe-Jago Indico cl in ^ov^ dmnea indieeme scandento<? hirsutuli folns opposilis bre\ilti pelioldtis d» nlicuhd^ Aol integenimjs nenosis cvmis \cl lacemis axilhribus et Lciniimlilnis Ponbus IOSCIS, pedicellis medio nrticulis bnclcisque duabus foliaccis majusculis persi^lentibus instruchs

- 1 D'BRACII VIV Blum 1 c p 22 no 40 - Joins subsessibus oblonffis basi deruileto emirpntis donlicuhtis r\iinluplinei\iis subtus nnnlis podunculi^ cahcibusjue furfuracro lomeniosis — *Mel mil t b) ideal a i* Blume, Bydi mt Weensch M 211) — llabitit in svlvis >ovie Guineio
- i D SLTIGLRA Blume 1 c p 22 no 41 — Folns breviter pctiolatis oblongis vel ovato-oblongis bisi oblusis \cl obtn<<iiistilis intpgemmis qiunluplinervus subtus Famuli*, pedunculis cilycibusquo lmtis — *Melast ma scijimim* Krlhls (houd B1) — In sjlvris Sumalrac insuht

6238 P\C1IYCE]VTRI% *Blume*

(WIprs Ilepeit II 143 V 712)

- 1 V RIGID\ Blume Mus bolin Lugd Bit p 23 no 41 — Folns Incviter pu~~olatu~~ o\ilibus vel elliptico lonrcohns utrinque anguslatis vel Insi obtusiusculis* sublus glau-Gesceniibut coijmbis tciminilibub tuchotomis multifious — Ihbilil in syl\i^ monti" mt Suimlne
- 2 P ILIII'TirV Blume I c no 40 — Fohis peuohlis rllipticis utunque aculis ^el bas> obtn^iusculi^ concolonbus coi}jnbi^ lerminilibus tncliotomis densis multiflons
p var *subc ulata* folus clhpucis vel oblongis basi saepe subcordatis — Habit u in insiili Bomfo

6239 POCJOI% MHERA *Blume*

(WIprs Report II 143 V 712)

- 1 *P RrtLI \A Ulumo — \Mpis Repeit II 143 no 2 — Blume Mus bot Luljj Bat p 21 no 47 f — 7> *pulveiculnta* KrlhU - WIprs Report \ 712 no 1 (* Bliinio)
- P *Itiamultia* folns ovitis v oblongo o\atis obtuse acuminatis, basi inaeqU* rotund uo-)\Muiculuib — p *squamulata* Kthls mi>s — Borneo

6244. TETRAZYGTA *inch.*

(DC Piodi III 172)

1. T. FADYCM Mcfd. in Hook *Fl. v. ^i\ nusc I 379 -f t 12* — *Glabemma fiuticosa lamis cieoto-paienlibus. foliis brevisculis peiolis, ellipticis cuncchia integeinmis UinciMis, basi acutis. subius pailidis punctato-glandulosi!, cjmis terminalibus multi-llons, cahce luibinalo tiuncaio, dimidio supenoic libcio, petalis quatuor erectis obo-^ato-6)athulatis (puipureis), staminibus octo, capsulis biloculanbus, semmibus cunca. li> — Crescit in msula Jamaica*

T Icon addenda.

T I IA\ AGINOIDS DC. Prodr. III. 172. no. 3 - Hook. Dot Mag. t. 4383

6245. HEROTRICHUE DC,

(DC Piodi. III 173)

- ¹ 'IF MACRODON Planchon in Hook. Dot Mag t 44^1. — *Ottomans manodon* Naud.— *Wlps Htptrt V 707 no 3*

6246. MISOCHVETA *blume.*

(Wlps Hpcit. II. 144. V. 713)

1. 1) LIGLATA Blume, *Mus bot. Lugd Bai p. 35 no 77 f* — *Folna quinquencivius ovalo-oblongis acummatis, basi rotundalis, subtus pal'nc ocliraceo-tomenlosis, painuili-, teminalibus (a)is subiamosis calycibus subintc^cirmns, anthcis ictus supia ba- &m arii\ii, connectivo ultra anthoiac ba&n in launulam mcmbianaceam integiam pio-ducio — Habitat in s\vi> Jnvaio australis*
2. D DCCIPI^S Blume 1. c p 36. no 79 + — *Folns tnmiviu (cum nervis 2 obsoletis itiait,inalibus) ovalo-oblongi* acuminatisbiniib, basi oblusis vel lotundalis discoloubus, subius fuscescenti-jsenceo-Aclulinis, paniculis axillaiibus> el teirainahbus laxis. biibia-mosis, calycibus subintegemmis, antlicns falcatis basi aflhib, connectivo bis.otoso. — A D. jusca impnmis flonbus telrandus dilTeit — Habitat in j>vi> montans Javno.*
3. D CELEDICA Blume 1 c. no 80. f — *Folns innnivns (cum nervis 2 obsole is inargi-nalibus) ovato- vel elliptico-oblongis acummatis, basi subcoidotis, subtus fusto-furfurocco-tomentosis, pamcuhs termmalibus))xis aubramosis cnljcibus quadridonlatj^, anthens rectis clavatis basi nfOxis, connectivo bisetosio — Habitat in sylvis msulae Celebes*
4. D CINNAMOMI: V Olumo I c no 81 f — *Folus Uinemis (cum neivib 2 obsoletis marginalibus) ovalo- \el cliliplico - oblotigis> cuspidalis, basi subcordalis, subius ochra-ceo-tomentosis; pamculis axillnribus subcoijmbosis. calycibu:* suuquadndentati^, an-thens rectiusculis ovoideis brvcjtoi rosiratis basi aflhis, connectivo tngulai i inappen-diculato. — Habitat m sylvis montans Javae ausrahs.*
5. 'D PALLIDA Blume. — *Wlprs Repert. II. 145 no. 13* — *Dluma 1 c. p. 36 no 82. — D biactcata* Ki this. — *Wlprs Report. V. 713 no. 1.*
6. D. RIFORMATA Blume I c. p 37 no 84 f - *Ramuli, teimgonw furfuraceis bin* trinervjis (cum nervis duobu*. maijinalibii<) cordaio-oblongis ^cl ellipticis subacumi-*

natis, subius imprimis ad nervos sicllato-tomentosis, ad basin uinnque lomcmoso-pulvmatis. — /. *ajanocarpa* (hand Dume) Kith Is ex p — Habitat in Doinco

t loon addenda.

- I) INTERMFDIA Blumc — (Wlpris Repeit. H 144 no 2) — Blumc, Mus bot. Lugd. Hat 35 no 76 f fig 5.

6247. *APIBCTRUJHL hlume.*

(Wlprs Repeit H 145. — Blumc, Mus bot Lugd Bat. p 37)

Calycis lubus o[^]ideo-globosus, cum OAdrio connalus, hmbus supra ovanum pioductus, Iruncalus \el obsolete quadndentalus. Pelala 4, calycis fauci mserla o\ata acula \cl oblusiuscula Stamind 8, cum petalis inserta, alterna nsdem opposjla sltnJia Antheiac o\oideae ^el ellipsoideac crassac umpoiosac inappndiculatae Ovanum inferne adnalum dabnusculum, superne cusds qualuoi coionalum. Stilus filiformns Stigma punctiforme piuinsum. Uacca subglobosa, calycis limbo coronata quadnoloculans. Semma plurima cunofomia anpulala. — trutices Arclnpelaei Indici saimenlosi, *Disbothaeldtum* facie folns oppositis pctiolatis Intcgermns ner\osis, mauic inlnpcholan jimctis, ilonbus tci-rmnalilnib ct nxillaubus c\moso-pamtula(is paivis albidis

- 1 A \ODOSLM Uliimo 1 c]> 37 no 86 f — Rimulis fuifui(CLO - le) idolis, folus tnnciviis ovalis \ol ovilo - oblongis, ba&i subcoidatis, supia glabns, subtus puberuhs, iaccmi2> axillanbu<< et leimnalibus paniculatis biacleis obovalo-oblongij>, pcliolis fuifuiaceis apiceque iitcidum uni — bisolosis — Jj)*<?ot>ata nodusa kilbls — Wljrs Reperit V. 714 no 4 — II ibitat in Insula Sumaiia
2. A CONF^L Blumc 1 t p 3S no 87 f — R<<<mulis bubluifui iccis folus tnneiviis ovali-oblongis brevitci obtuse cu^piddlis, J> IM loturuhtib, subtus paicc fuifuiaccis c\mis axillaubus et lermnalibu^ bi itcatis simplicibus vel subpamculatis biacleis ovalibus, petiolis slcIlalo-toniLiitosis inar_inc<|iic intLiduim sclulosii — Habitat in s)l\is monlnms Sinniliac
- 3 A P ELLENS Blume 1 c no 88 f — Rmmis piice pul\ciulentis folus tnneiviis ovalo-vel ellipuco-oblon_iM longiuscule obtuse acumin itis, bdsi subcoidatis, subius pulveulentis onus avillaiibui> ct teimm ilibus biacieatis simplicibus vel subpanicuh-tis, biacleis lincan - oblongis ciliatis, petiolis furfuiaccis margincque pasoim ^ctulosis

vai P- folus basi rotundatis — Ifabiiai m s}hi> Sumaliae

6247/., »%liK]VI% htthls

(Wlpris Repeit V 715)

- 1 *D KORTHALSH Blume. Mus bol. Lugd Bat. p 39 no 89 f — *D speciow* Krthls — Wlprs 1 c. no 1 — *D jmlcfoa* Krlhls

6250 *DIPIiOCHITA DC.*)*

(DC. Prodr III 176 — Wlprs Repeit II 145, Annal. I 300)

1. 'D LEUCOGEPHALA DC 1 cit. 177 no. 10 — Miqu. Stnp. Surinam, select 53 f — *Decarhaphé Hostmanni* Steud — Wlprs Repeit. V. 718. no 1

•) Nee DIPLOCHITON (Wlprs Repeit. II. 145)

6252. *HEtFRIETTEA DC.*

(DC. Prodr. HL. 178. — Wlprs. Report. V. 716.)

- t. II. SURINAMENSIS Miqu. Stirp. Surinam, select, pag. 45. f — Ramulis tetragonis, petiolis foliisque subtus setulis appressissimis pubesque tetrirua stellata oblatis, bis breviter petiolalis subovo-ellipticis in apiculum brevum subnucroniformic desinensibus, integerrimis subquintuplinerviis, nervis iribus validis paulo supra basin liberis, duobus marginalibus tenuibus, supra parce seluosis, subius lutescentibus; calycis setulosi lobis subapicalis; petalis crasse unguiculalis subobovatis acutiusculis, dorso velutinis; stylo crasso glabro. — Crescit in Surinam.

f loon addenda.

H. PATRISIANA DC. 1. c. no. 2. — Miqu. Stirp. select. Surinam. 46. f u 12.

6254. *MARUMIA blume.*

(Wlprs. Report. II. 145. V. 716.)

1. *M. NEMOROSA* Blume. — Wlprs. Report. II. 145. no. 4. — Blume, Mus. bot. Lugd. Cat. 33. no. 70. — *M. affinis* Krtbls. — Wlprs. Report. V. 716. no. 1.
2. *M. STELLULATA* Blume. — Wlprs. Report. II. 145. no. 3. — Blume, Mus. bot. Lugd. Bat. p. 34. no. 72. — *M. Jackii* Krtbls. — Wlprs. Report. V. 717. no. 5.
3. *M. RETICULATA* Blume I. c. no. 73. — Foliis ellipticis v. obovatis, basi subconatis, supra impresso-reticulatis, subius parce fusco stellato-tomentosis; pedunculis 1—3-floris v. cymoso-tritidis; calyce selulis stellato-mullidis horrido, limbi laciniis rotundatis integris. — *M. stellulata* Krtbls. (nec Bl.) Flora (B. Z.) XXXI. pag. 582. — Sumatra.

6258. *MICOSTIA Rz. Sf I'av.*

(DC. Prodr. III. 179. — Wlprs. Report. II. 146. ft 918. V. 719, Annal. I. 301.)

Sect. II. *ERIOSPHAERIA DC.* 1. c. 180.

1. *M. INCONSPICUA* Miqu. Linnaea XXII. 512. f — Tota praeter foliorum paginam superiorem pilis stellatis fusco-pubescentibus: ramis tetragonis demum glabris; foliis oppositis petiolatis ovato-vel elliptico-oblongis aut sub lanceolatis acute subobliquo acuminatis, praeter basin subremote denticulatis, trinerviis cum nervulo submarginali; panniculis terminalibus vulgo ternis, pyramidatis, ramis oppositis, ramulis ternifloris; floribus subsessilibus; calycis subglobosi dentibus 5 brevissimis; petalis parvis; antheris biporis. — Crescit in Brasiliae provincia Minas Geraes.
- * *M. DISPAR* Bnlh. in Hook. Kew gard. misc. II. 241. f — Ramulis subtetragonis ferrugineo-tomentosis; foliis petiolatis amplis ovali-ellipticis breviter cuspidatis subdenticulatis, basi acutis, supra glabris, subius ferrugineo-tomentosis praeter nervum marginalem trinerviis; panicula pyramidata; floribus in ramulis ultimis serialis; calycis tomentosi dentibus brevissimis. — Folia maxima 1—1½-pedalia, semipede lata. — *n Brasilia Paraënsi.
3. *M. NAUDINIANA* Miqu. Stirp. Surinamens. select. 50. + — Ramulis subcompressis petiolisque cum foliis subtus thyrsisque pube imperceptibili stellata grisco-ochracea H.

obduclis, foliis longms^lle petiolalis, oblongis |c| obo\atis abiupte obuisse ncumimtis, ljaii acutis \el obtuMS, incgerrimis, mnigimbus levilor incums, piaotoi nomilos nrginnlos tunciMi>, supin ,labti!> mtidiiquo tljiso teinumli composilo folia supc-i mte, iimis opposite cjmosc vel subcllicoidco - flonftiis, (loubus sessilibus, cnpro cnmpanulatio stunto qumqiicdoiliculalo pilis stJlali*. tomentello, pcalih glabriusaili-*, tinlbeirs locliuscuki* basi ttpnuaid bica'loMs, sljlo stamina super ante, sligmate III-fundibulifoimi — (rescit in Suumm piope Ber^encfan)

- 4 M PUBIPETAI A Miqu. I cit + — Ramulis subterclibus cl pcliolis foliitiquo subtus pubo scllua iciiciiima fuscule tomenlehs, foliis longmscule poliolntis, ellipticis brevitu acumntis, Insi acuiis vtl oblm>is, vcisus apiconi crenulato - crosulis, piaeiernci\os duos rmigmales tenues tiinomis, supra glibns hievibus tljiMS terminalibus prduncuhiis Incduis, idixu^ opposile fasciculatis hinc spunc verticilluis, flonbus \crticillaio-confcuis bic\itor pedicellnlis, caçcis lubo subcampanulato-lurbinalo, limbo *iibdilataio qmiiqf ddiiaio pctnli:* ciccis doiso lomentello -pubeiccnlibus, sti^male baud tapiltllilo — Crcbcil in Sunnain

Sect 1H. *EUMICONIA* DC. 1. c. 183.

- *> M CIMR\SCLNS Miqu Linnaca XXII. 543. f — Ramulis compressis, pctiolis, nervrs sublus ihacliique infloiescentiae pube imperceptibili, foliis subtus pube stellata lencinma, Inn01e5.cent11c lamulib calycibusque pube stellato - fui fui acea cinerascenlibut*. foliis oppo^ilis Ion_0 pctiolatis oblongis bieviter acuminans, praesertnn sursum dentuo-creniis tonaccis, lunci vns pieici nervulum submalignalm, A cms subbonzontalibus pioininubs, supra glabns, pamculae lermmalis multiQorae dilatalae ramis tetiagoms oppositis, itoiatira divisis, ramulis apice fasciculate* (3—8-) flons, flonbus sessibbus — CCBct in lirasiliac provincia Mmas Geraes.
- G M RCVOLI TA Miqu 1 cit 544 f — Ramis tertibus glabris, ramulis subcompressis, pctiolis nervisqup subtus cum in(loies>centia calycibusque pube slellata rubiginosa subtomentellis, foliis oppositis petiolatis latiuscule lanceolatis longe angu^tque acuminate integemmis, maigine levolutis, conacci^, tnnenns cum nervo submalignali tencinmo, supra glabns (in sicco nigrcantibus), subtus inter nervos \cnulasque transvcisas rubiginosis cinerascenti-pubesccnlibus, pamculis terminalibus et superne aullanbus, ramis fasciculato-flonfcris, flonbus sessilibus ^el subsessilibus, calycis dentibus breMssimib. anlhens subero*ialis subytnipoiosis. — Biasilia
7. 'M COLLINA DC 1 c 185 no. 46 — Miqu. Stiip Sunnam select. 48 + — M. tnactophylla btucudcl — \Mpis Report. V 720. no. 11

Subordo II. *€HAMIAJXTHVIAM* Ser. in **DC.** Prodr. III. 196.

625 KIBBESSIA DC.

(DC Piodi III. 196 — Wlpm Repeit V. 723. Annal. I 302)

- 1 K SUB\LATA Blume, Mus bot Lugd Bat p. 8 no 7. f — Ramulis, ultimis tetiago* "s, ad angulos membianacco-margmalis, foliis ovali-oblongis \el oblongo-lanceola^{us} acuminatu, basl acuiis tuncrviiis, ncivis ad basin subunitis, pedunculis uniflons, calycis muncaii sens ramosis — Habitat in insulae Sumalrae s)\is montanis
- 2 K SHSSILIS Blume 1 cit no. 8. — Ramulis ultimis subteliajonis, foliis ovato-oblong> ACI oblongo - lanceolate acuminans, basi acuiis tnnervii*. ncnis ad basin usq<e

distinctis, foliibus axillanbus sessilibus calycis mucronatis cingulis lamosis —
Habitat in Jivae sylvis moniamis allionibus

- i K (?) ANGUSTIFOLIA Blume 1 cit p 9 no 11 f — Ramulibus ullimis ictiaednis
foliis subsessilibus hincolatis incurvatis, basi acutiusculis tinnervis, nervis ad basin
usque distinctis — Habitat in sylvis humidis insulae Borneo

6266. EWYCKIA Blume.

(Wlprs. Repert II. 148 V 724)

- I *L (YANFA Blume — Wlprs Repeit V 724 no. 1 — Blume, Mus bot Lugd. Batav
p b no. 1 f fig 1
- ^ F I ATJFOLIA Blume 1 c no 2 f - Foliis ovatis vel ellipticis acutis vel subacumi-
nalis — *E cyanea* var *Ki this*.
P *membranacea* foliis ovatis vel ellipticis acutis vel acuminatis, basi subacutis
Qiembianacis — Borneo

6266A. RECTOHTRA Blume.

(Blume. Mus bot Lugd Batav pag 6)

Calycis tubus hemisphaericus, ovario adnato verrucosus vel tuber-
culatus, limbus tubo coniunctus, ante anthesin calyptratum cohaerens,
dein maerupter disruptus. Petala quatuor obovata obtusa Stamina 8
aequalia Antherae oblongae rectae, basi affixae, dorso ad basin denti-
culo connatis appendiculatae, nuda duplici dehiscentes Stylus filiformis.
Stigma capitato-4-lobum vel quadritidum. Bacca umbilicata caly-
cis segmentis accrescentibus coronata quadilocularis. Spermophora
panelaha convexa adnata. Semina plura rectiuscula cuneata vane an-
gulata — Arbusculae in sylvis depressis Arthropelagi Indici crescentes
glabrae foliis oppositis, breviter petiolatis integerrimis tinnervis,
pedunculis axillanbus et terminalibus uni- vel subcorimbosis paucifloris,
pedicellis medio bibracteolatis; floribus paucis caeruleis.

- ¹ R GALEATA Blume 1 c pag fa no 3 f fig 2 — Foliis elliptico-oblongis, utrinque
acutis vel apice acuminatis pedunculis confertis axillanbus et lateralibus brevissimis
unifloris calyce natis plants obiecto stigmate tapinto-quadrilobo — *Ewyckia*
galeata Krbhs — Wlprs Repeit Y 724 no 3 — Habitat in insula Borneo
- 2 R TUBERCULATA Blume 1 c. p 7 no 4 — Foliis ellipticis utrinque acutis pedun-
culis subcorymbosis axillanbus et terminalibus paucifloris, calycis tubo tuberculato-
aspero stigmate quadrilobo. — *Ewyckia tuberculata* Krbhs. — Wlprs 1 c no. 4 —
Habitat in paludosis Sumatrae

6266/a. KEACROPIACIS Blume.

(Blume, Mus. bot Lugd. Bat pag 7.)

Calycis tubus subcampanulatus, ovario adnato, tuberculato-verrucosus,
limbus patens quadriduus Petala 4 obovata obtusa. Stamina 8
aequalia Antherae oblongae rectae, basi affixae inappendiculatae, rursus
simplici dehiscentes. Stylus filiformis. Stigma subquadrilobum Bacca
umbilicata, calycis limbo subtruncato coronata, 4-locularis. Spermophora
longala laminata, loculorum basi erecta, undique seminifera Semina

plunma, reclusula. T&ne angulata — Aibor in sylvis montanis insulae
Jlornco crescens c̄hbri folns oppositis majusculis subsessilibus* corda-
 tis integerumis quinquenemis conaceis, pedunculis confeilis axillan-
 bus el latcialibus, bre\ij>simis unillons, supra basin bibracteolatis, ilo-
 nbus panis cocrukis

I *M (O1U)\1A Llunc 1 cit pag 7 no 5 f flff³ ~ rwyckta coidata Krthls —
 Wlprs Hopcit V 724 no 5 — Ihibitat in insula Bornca

6267 ASTROHTIA *Blume*

(Wlprs Repeit II. 148)

I A IMFRMI DIA Blunic Mus bot Iugd Batav I c pag 9 no. 12 f — Tolus tn-
 vel iublriplincrvns oblongis neunimatis, In si icutJs oblusis aut subcouhllis, sublus
 pirce fusca - lcpidotis flonbus laxe pamculatis — **Hibiit** in sjlvls **altioi bus** insulae
 Javac

6268 SPATHASTDRA *GmLL y Perr*

(Wlpris Repeit V 725)

I SP MLMECYLOIDrs Bnih in Hooker Niger Flora 357 f — Folus brevitci petiolatr*
 ovitis \K conaceis corymbi* brevitci pedunculatis paucillons, baccis oblonqis —
 (ie\$cit in insuh Fernando Po
 I SP FASCICULARIS Planclion in Hooker \ c + — Folus brevitci pcliohlis ovalis
 comccis Ilonhus in umbella bic\issime pedicellata fasciculis biacleis peisistentt-
 bus bacus globosis — Grescit in Sieira Leone

MEJfIECYljEAE DC- Frodr. III. 5.*)

6269 MEJIECYLiON *Linn*

(DC Piodi HI o -Wlprs Repert II 148, Annal I 303)

I M DOMAMM Phnchon in Hooker Niger Flora 357 f — Ramulis iciotiusculis **folus**
 subbessilibus oblongis acuminatis basi tcutis conaceis uninclis cor\mbis brex
 bns h\e pauullons baccis globo^s — *Pavetia lateitflma* G Don, Gtn syst of **garj**
 III 57J — Wlprs Repeit II 480 no 8 — Ciescil m Siena Ltont

6270. MOURIRIA *Juss.*

(DC Prodr III 7 — Wlpris Repert II 149 V 725, Annal I 303)

I *M POLYXMHY Miq - Wlprs Annal I 303 no. 1 - Miq Slirp select **Su.maw**
 42 f ub 11

Ordo IXXXW · POLTOSHACEAE *Blume.*

(Ultimo, Mus. bot. Lugd. Bat. p. 258.)

Character ordinis idem ac generis.

I. (4678/j.) POIiYOSMA *ilume.*

(Wume, Bijdr. 658. — DC. Prodr. IV. 275. — Wlprs. Rcpert. II. 379. & 937. — Blume, Mus. bot. Lugd. Bat. p. 258. — Endl. Gen. pi. Suppl. I. p. 1417.)

¹ *P. ILICIFOLIA Blume 1. 1. c. c. — DC. Prodr. IV. 275. no. 1. — Wlprs. Repert. II. 380. no. 3. — *Loranthus ilicifolius* Reinw. mss.

p. *minor*: foliis lanceolato-oblongis ($iy_a - 3\frac{1}{a}$ - poll., $Va - 1\frac{1}{2}$ poll, latis) utrinque acutis v. apice subacuminatis exserte glanduloso - serratis.

Y- *grossc-serrata*: foliis stirpis adultae oblongis ($2 - 3\frac{1}{4}$ -poll., $\frac{3}{4} - 1\frac{1}{2}$ poll, latis) utrinque subacutis v. apice obtusiusculis aut in acumen breve mucronatum desinontibus glanduloso-serrulalis, stirpis junioris cuneato-oblongis ($3 - 4\frac{2}{7}$ -poll., $1\frac{1}{2} - 2$ poll, laiiis) breviter cuspidatis grossc glanduloso-serratis.

8. *oblonga*: foliis stirpis aduliac oblongis ($3 - 5$ -poll., $1 - 1\frac{3}{4}$ poll, latis) utrinque acutis glanduloso - serrulatis chartaceo - membranaceis, stirpis junioris cuneato-oblongis ($4\frac{3}{4} - 6\frac{1}{7}$ -poll., $1\frac{1}{2} - 2\frac{1}{4}$ poll, laiiis) cuspidatis remote glanduloso-serrulalis.

C *obtusiuscula*: foliis ut in var. S, sed ad apicem obtusiusculis cum mucrono.

* *P. INTEGRIFOLIA Blume 1.1. c.c. p. 260. no. 577. + — Wlprs. 1. c. no. 5. — *Cornu caudata* Hssk. mss.

P. *angustifolia*: foliis angustioribus lanceolatis ($2V2 - 4\frac{1}{2}$ - poll., $\frac{1}{2} - 1A$ poll, laiiis, petiolo $4 - 8$ -lin.) utrinque acuminatis.

Y- *gibba*: foliis elliptico - oblongis ($3 - 5\frac{1}{2}$ -poll., $1\frac{1}{a} - 2\frac{1}{2}$, poll, latis, petiolo $5 - 7$ -lin.) utrinque acutis v. acuminatis; fructibus elongato-ellipsoideis basi gibbis.

5. *elliptica*: foliis ellipticis ($2y_2 - 5$ -poll., $1\frac{1}{a} - 2\frac{1}{2}$ poll, latis, petiolo $5 - 7$ -lin.) utrinque acutis v. basi obtusiusculis; fructibus globoso-ellipsoidicis.

e. *cuneata*: foliis cuneato-oblongis v. cuneato-lanceolatis ($2 - 4A$ -poll., $1V_4 - 1y^{\wedge}$ poll, latis, petiolo $V - 3A$ -poll.) acutis s. hroviter acuminatis v. oblusis; fructibus ellipsoideo - globosis. — *Polyosma fragrans* Bonnet? — (Wlprs. 1. c. 380. no. 6.) — In insula Java habitant.

3. P. VELUTINA Blume, Mus. bot. Lugd. Bat; p. 261. no. 578. — Arborea: foliis oblongis v. oblongo-lanceolatis ($3 - 6A$ -poll., $1\frac{1}{2} - 2\frac{1}{2}$ poll, latis, petiolo $4 - 8$ -lin.), utrinque acuminatis subiniegerrimis, supra glabris, sublus sericco-velutinis; fructibus ellipsoideis v. globoso - ellipsoideis, pulamine cosialo - rugulosis. — in sylvis montanb Javae.

- 1 P MUJABILIS Dume^{HP&O} 579. — Aiborcstems. folns oblongis v cuncito-oblongis lanceolatis (2%—6-poll, 1—Z^U poll l>tis, pcliolo 5—8-lin) ulnque aculis v. ajuce lucvitei acuminatis v obtuis intc^{cnimi} v (pntscrtim slnpis jumoiib) icniolc glanduloso - scnatls, supia lucidis, in nervo medio ot \cms subtus seucco-pubciulis fiuctibus ONOidcis, putammc costalo-iuguloso — In Archipt-lago Indico

Ordo LXXXVII. PHILADELPHEAE Dm

(DC. Piodr. III 205 — Wlpis Report H 151. & 919, Annul I 304)

6105 F1IIJ,A»EL,PHT!S Linn.

(DC Piodr. III. 205. — Wlprs Rcepit II 151 fit 919)

- 1 P1 CAMFORMGIS JBrth Plant Haitw 309 no 1723. — Folns ovitis aculis, a basi J—5-nervns vix denucutis adultis glabns, basi margme ciliolatib, tlnrso pedunculato aphjlo laxo, pedicellis giaciiibus calycis lacinus lanceolatis, tubo subduplo longionbus peialis oblongis, st>lo vix mira pailcm stigmalifram flsso — Specimen dilTert a P Lewisu inprimis mlflorescentia omnino aph\lla, pedunculo bipollican suffulta. basi lamosa, circa 15-floia, pedicellis 3—5 lin longis, cahcis hcinus pelalisque multo angublionbus Frulex est quinquepedalis, floiibus nlbis inodons. — Ciescit in Caliiorne montibus Sacramento, ad npis umbrosas nvulorum
- Z PII MIGKOPHYLLUS A Gray, Plant Fendler 54 no 26b — Ramis gracilibus erectis, folns panis (6—9 lin. longis) oiaio-lanceolatis oblongisvc mtegrnmis ohtusiusculis obsolete triphnerviis, supra niudis, sublus pallidis minute pilosis, basi in ptliolum bievissimum anguslads llonbus terininahbus solitai us termsvc caljcc quadnfido extus glabro, lacinus ovato-lanceolatis, mtus tomenlellis, stylis ad apicem usque connatis, staminibus bievionbus, sliginatibus qualuoi oblongis, capsulis subglobosis — Crescit in Nova Mexico

610& BEUTZIA Thnbrg.

(DC Prodr IV 16 — Wlprs.Repeit.il 151, Annal. I 301)

- 1 'D GRVCILIS Sich a Zucc. — Wlprs Reperit II 152. no. 8 — Van Houlte, Flore des beuch VI 243 tab 611

6107A. PTEROSTEUITJUI S. Schauel.

- (Ulprst Annal I 288 — Genus ex sententia chnssimi A. GRAY, Plant Fendler pog 55. adn. a Pomaceis ad Philadelphas referendum, sequenti pioximum)

6107/a. JAMLESIA Torr. Sf Gr.

(Ton 8c Gr Fl N. Am I 593. tt Plant. Fendler. I 54. adnot)

Hoi Ob liermaphrodili. Calyx persistens quinquefidus, tubo brevissimo luibinalo imo ovano adnato, lacinus tnangulan-ovalis mucronatis sa<<

piusve apice rectis aut bifidis & bimucronatiffestivatione valvaceis (??). Pelala 5 perigyna obovata concava sessilia, aestivatione convoluto-imbricata decidua. Stamina 10 cum petalis inserta decidua, 5 petalis anleposita eaque subaequantia, 5 altera breviora, filamenta complanato-subulata, antherae didymae basilixac inlrorsae, loculis ovalibus Jongiludinaliter dehiscentibus. Ovarium conoideum, ima basi calyci adnatum uniloculare, placentis 3 (v. rarius 4—5) dilatatis, ad suturas introflexas parietalibus multiovulatis; styli totidem stamina aequiantes, basi tantum connati, apice subclavali, stigmatibus obliquo subextrorsum desinentes. Ovula horizontalia multiseriata anatropa. Capsula conoidea, a oalyce inclusa semitrilocularis, apice inter stylis persistentes divergentes* dehiscens. Semina numerosissima horizontalia ovalia, testa nitida, nucleo conformi, striato-reticulata. Embryo in axi albuminis carnosus rectus ejusque fere longitudine, cotyledonibus brevibus, radícula cylindrica hilo proxima. — Frutex ramosus: cortice fusco; foliis oppositis exstipulatis petiolatis, ovatis v. oblongis penninerviis grosse serratis, membranaceis deciduis, supra pubescentibus viridibus, subtus cum ramulis caryocibusque canescenti-pilosis; floribus cymosis majusculis albis; petalis intus puberulis.

^ *J. AMERICANA Torr. ft Gr. I. c. + — In America septentrionali (Rocky mountains).

Ordo LXXXVIII. MYRTACEAE it. Br.

(DC. Prodr. III. 207. — Wiprs. Rcpert. II. 152. & 920. V. 726, Annal. I. 301.)

Subordo I. **XEROCARPIAE.**

Tribus I. CHAMAELAUCIAE DC.

II. (6287.) ACTISTOCHIA Schauer.

(Schauer in Wiprs. Report. V. 727.)

1. A. PROLIFERUM Turcz. Bulletin de la société imp. des natural, de Moscou XXII. Part. II. pag. 17. — Capitulis omnibus prolikeris; floribus inter bracteolas articulatis caducissimis. — Praeter characteres datos ab A. *Cunninghamii* Schauer, cui simillimum, roccedit floribus paulo minoribus et calycis laciniis respectu petalorum brevioribus. Species vulelur distincta. — Habitat in Nova Hollandia.

III. (6283 & 6284.) EUPHETYLIS DC.

(Schauer in Wiprs. Report. V. 727. II. 153. 8c 920, Annal. I. 304.)

1. G. PAUGIFLORA Turcz. Bulletin de la soc. imp. des natural, de Moscou XXII. Part 11. Pag. 17. - Glabra ramosa: floribus ad apices ramulorum pedicellatis binis ternisve

foliis in\olucraib, KHBHONferti* lincan-clavulatis subinquetns obtusis; bractcoli* curullalis, ilorso obtuse cornigens, caħcis tubo turbinato 10-coslato, inter coslas uigu-
 100, linibi liunii*iotundaiis pecinato-(ilntis, staininoilns cuncato-obovatis, stamimbus
 feitilibus bisomlibus. shlo induso subulalo, stigmatc punctiformi, o\ano sub-10-
 o\ulalo — II ibitat in ?so\ a Hollandia

- I G MACRO^TLGII Tint/ 1. cit pag' 18 — Ghbra nmosa aut simplex folns oppo-
 sius sib&ilibtis laic linuuiibus, obtusis punctatis. margino r-uuhgmco crenulato-cinclis,
 capiluli-s ternnnnibus se^silibus cernuis, bratteis coloialis ilores tnplo supciantibus
 involucralis, flonbus sin^uli* braotcis duabus propnis inclusis, caħcis tubo basi 10-
 apice 20-costato, jutci costas angulos»o, limbo obtuso minulo, peulis (nivcis) dorso
 ad basin lamina concoloic adnata duplicentis — In\olucium universale e biacclis 4—5
 obovaiis obtusis maoqualibus, colore purpuico nmgis mmusve tmctih, pailialc e bra-
 ctcis duabus, bæ-i roseis, apite atropurpuicis cirinatis acutis, llorcn i aequanlibus illum-
 que includentibus consiat. Caljcis. lacimac ininutissinide laclcae. Stamina ut in *G.*
citnodoia Lndl. Ovauuin semper uniovolatum est obscrvauium, ovulo basilan. Semen
 liuntatum cuviiatcm c\acte implens, tcs>ta crusticca, cotjledombus cra&sis lectis, ra-
 dicula ininula bilum sp<ctanic — Species pulcra et diuiintissima, prope *G. citno-*
dounn ponendi — Habitat in ^o\ a Hollandia.
- J. G. 01 DI IUOIUrs Tuic/ 1 cit. pag. 18 — Glabra ramosa folns opposilis quadnfa-
 nam imbucalit) lincaibu^ subtnquHns> aculiusculis punctalis, capilulis terminalibus ses-
 silibus ccinui6, biacteis involucroque pluri:>ciali imbricato tcllis, senibus extenonbus
 foliacus, interionbus sensim longioubus, floics nullo braclcisque longe acunonatis
 ilium paulo cvccdentibus membranaccis, maigine setacco- ciliais, flonbus subscssi-
 libus caljcis tubo cost ito ui^uloso, smnibus libens, shlo incluso crasso glabro
 ipice a^ptgillifoimi-baibato, siigmatc acuto — Habitat in Nova Hollandia

VIII. (6279.) VERTICORDIA DC.

(Schaucr in Wlprs Repcit. V. 730 II. 154, Annal I. 305)

- 1 V. (*ruveilicoidiaj* FLMBRIPLTAL V Tuicz Bulletin do la sonetc imp. des natural de
 MOSLOU XXII Part II pag 19 — Cojymbo composilo caħus tubo hemispbaenco
 biisuto 10-coslato, limbi lobis palmato-5-partilis, lacinns longe anslalis dense plu-
 moi>is, pptalis per totum umbitum peclinato-incisis, slamnodns lincan-subulatis acu-
 nunali* glabns, stamina fertiha abbreviata duplo supciantibus, stjlo corollae bis lon-
 gion a basi ad apiccin hirsuto, stigmatc capitato, folns lincanbus subclavuldlis sub-
 triquetria obtusis — Similis V *cacsjntosae*, sod flonbus duplo majonbus, calycis lubo
 10-costalo coblis a basi ad apicem hirsutis, sed basi tantum longe comoso, limbo basi
 dilaUo (in ilia basi anqustato), slamnodns lespectu staminum Ion^ioribue glabns.
 stylo acqualitci lursulo et siigmatc capitato abunde divorsa. — Habitat in Australasia.
- 2 V. CAR!NATV Tuicz 1. ut pag 19. — Rictmis longiuscuhs, caljcis tubo lurbmato
 glabio pentagono, limbi lobis palmalo-quinquepailitis, launns longe anstatis dense
 plumosis, pctalis ovalo-lanccolatis integernnis glabr> cneivns aut ncrvis incompletis
 irregulantci piclis, slamimbus libens stammodia subulala atummata vn superantibus.
 stylo subulato parum c\serto, stigmatc capitellato-barbato, bracteohs dorso cornigeris;
 folns lincari-ellipliifo dorso cannatis, mucronulalis, pellucitUj punctatis cai tilagineo-
 senulatis — Affine videtur V *putae*, bed fohoium lorma staminibusque libens disincta
 — Habitat in Australasia

XII. (6275) CAIiYCOTHRIX Labill.

(Schauci in Wlprs, Report V 733 II 157)

- 1 C TENUIRAMEA Tuicz. Bulletin de la soc. imper. d€s natural de Moscou XXII-
 Part H pag. 20. — Exstipulata glabra ramosa ramis flexilibus, loins 5subsessilil>u^s

lineari-triquetris punctatis, basi altenuatis, apice calloso-ac^fcaculis, sparsis vel subimbricatis; floribus axillaribus solitariis 3O-andris; bracteolis acutiusculis, margine membranaceis in tubum gradatim ampliatum connatis ecarinatis, calyce paulo brevioribus vel cundem subaequantibus; aristis corolla (violacea) duplo longioribus ciliolatis. — Proxima *C. variabili*, at habitu laiore, foliis plerumque sparsis distantibus, aristis corollam duplo excedentibus, bracteolarum tubo aequaliter ampliato nee ventricososo et praesertim staminibus nitmerosioribus suffcienter differt. — Habitat in Australasia.

Tribus II. LEPTOSPERMEAE DC. Prodr. III. 209.

XV. (6311.) B A E C K E A Linn.

(DC. Prodr. III. 329. [ex p.] — Wlprs. Repert. H. 169. ft 920. V. 734, Annal. I. 307.)

- ¹ B. SCHOLLERAEFOLIA Lehm. Plant. Preiss. 11. 369. f — Suffrulicosa multicaulis glabra: ramis ascendentibus; foliis brevissime petiolatis oblongis, margine revolulis; pedicellis solitariis folia superantibus, bifidi bibracteolatis; calycis limbo obtuso apice fimbriato-denticulate — Habitat in Novae Hollandiae distr. Plantagenet.
- ² B. COCHINCHINENSIS Blume. Mus. bot. Lugd. Bntav. 69. no. 179. f — Foliis linearibus subteretibus duriusculis glabris; pedunculis axillaribus solitariis confertisque brevibus unifloris; calycis tubo subempanulato, limbi laciniis deciduis; staminibus 5. — *Cedrela Rosmarinus* Lour. Flor Cochinch. (ed. Willd.) p. 199. — Habitat in Cochinchina.
- ³ B. SUMATRANA Blume 1. c. 180. f — Foliis linearibus, supra planiusculis v. canaliculatis, sublus convexis crassiusculis glabris; pedunculis axillaribus solitariis brevissimis unifloris; calycis tubo sub campanulato, limbi laciniis rotundatis persistentibus; staminibus 5. — In insula Sumatra.

XXVI. ACTOSTIS DC.

(Schauer in Wlprs.-Repert. V. 739. — *Leptospermi* sect. I. *Agonis* DC. Prodr. III. 226.)

- 1- A. FLORIBUNDA Turcz. Bulletin de la société imp. des natural, de Moscou XXII. Part. II. pag. 20. — Innovalionibus sericeis; ramulis confertis subdistortis a basi ad apicem floriferis; capitulis pleianthis foliis squamisque scariosis praeter bracteas bracteolasque involucratis; foliis cunealis acuminatis uninerviis subpungentibus, junioribus villosis decandris; laciniis calycinis ovato-lanceolatis acuminatis. — Folia, praeter involucralia, breviora et latiora quam illa *A. linearifoliae*, a qua insuper habitu peculiari, floribus duplo majoribus, atque forma luciniarum calycinarum, quae in illa sum rotundata et obtusa, facile discernitar. — Habitat in Australasia.

XXX. (6309.) LEPTOSPERMUM For si.

(DC. Prodr. III. 226. — Schauer in Wlprs. Repert. II. 166. ft 923. V. 740.)

- * L. SERICATUM Lindl. in Mitchell, Journal of tropical Australia pag. 298. adnot. — Foliis obovatis Jincaribus planis obtusis aveniis impunctatis, utrinque sericeis; calycibus tomentosus, dentibus aculis persistentibus. — Crescit in Australia orientali tropica.

H.

2. *L. JAVANICUM Dlum#*- Wlprs. Repert. II. 9& no. 6.— Blume, Mus. bot. Lugd. Ba-
inv. 68. no. 176. f — *Macklotia Javanica* Krthls. Nederl. kruidk. Arch. 1847. p. 196.
(*J. alpestre*: — *Leplosp. alpestre* Blume. — Wlprs. Repert. II. 925. no. 7.
Y congestum*: — Foliis ovali - lanceolalis ad summilalem ramulorum congestis;
floribus subsolitariis; tubo calycis subpubescente.
3. 'L. AMBOINENSE Blume. - Wlprs. Repert. II. 923. no. 8. - DC. Prodr. III. 229. -
Macklotia Amboinensis Krthls. 1. c.
p. *brevifolium*: Foliis brevioribus ovali-lanceolatis obtusis.

X\\a. GERMARIA Prsl. *)

(Presl, Epimeliac Botanicae p. 221.)

Calycis lubus subglobosus, limbus deccmdcnlalus, dentibus ligulatis obtusis sinu Iruncalo dislinclis., Pelala nulla. Stamina plurima, filamentis anguslc linearibus, basi ima monadelphis et coloratis, sub marline limbi calycis uniserialim inscrtis, antheris subglobosis bilocularibus longiludinaliler dehiscctibus. Ovqrium Iri—quinqueloculare, loculis Lri—quinqueovulalis. Stilus iiljfonnis, staminibus longior, apicem versus crassescens. Stigma oblusum. Fructus ... ? — Arbor (?) insularum IMilippinarum: ramis teretiusculis folnsque sparsis glaberrimis. Folia quinqc—sexpollicaria, usque tres pollices lata, petiolo semipollicari cum ramo articulalo supra canaliculato, subtus convexo insidentia, coriacea opaca ovato-clliplica subacuminata obtusa integerrima, basi oblusa, mox supra basin ad costam utrinque glandula ovali nigricante concaviuscula nilidula instrucia, costa supra canaliculata, subtus convexa valida pcr cursa, pinnalinervia reticulalo-venosa. Stipularum loco in apice pulvini petiolaris cicairix transversa lineari-elliptica callosa semilineam longa. Racemus bipollicaris (una cum pedunculo semipollicari teretiusculo) pube densissima simplici tomentosus axillaris sohtarius mulliflorus. Flores sparsi. Pcdicelli sesquilineales compressi palentissimi, cum rliachi articulari ebractcati. Calyx duas lineas longus, limbo scllatim expanso, dentibus aequalibus. Stamina calyce plus quam duplo longiora, antheris parvis.

1. *G. LATIFOLIA Prsl. 1. c. p. 221. f — Habitat in insula Bohol Pbilippinarum.

XXXI (6302.) CÄLLISTEMOIV R. Br.

(DC. Prodr. III. 223. — Wlprs. Report. II. 165. & 923. [excl. sect. 2.]

1. C. KERVOSUM Lindl. in Mitchell, Journal of tropical Australia pag. 235. adnot. — Ramis iuilididis; foliis ovato-lanceolalis quinquencerviis mucronatis, junioribus lomcnlosis'i rliachi calycibusque lanalis. — Crescit in Ausiidlin orienioli tropica.

f loon addenda*

- C. BRACHYAMDRUM Lindl. — (ubi?) — Van Iloutte, Flore des serres V. p. 4507. c. \c. xjlogr.

-- . - -

) KPIMEMAE BOTANICAE auctore C. B. PRESL. quae jam anno 1849 imprest ilivuntur, nunc tandem a bibliopolis venum danlur.

XXXIII. (6305.) *MEBTROSIDEROS* ? Br.

(DC Prodr. III. 224. - Wlpr. Recept. H. 165 tt 923. V. 741.)

- *. 'M. BUXIFOLIA A Cunn. — Wlpr. Recept. II. 165 no. 10 — Hook. Bot. Magaz. t 4515. — Van Houtte, Flore des serres VI. 117. t 570 — Paxl. ft Lindl. Flow, gard I 128 fig. 89.
- 2 *M. FLORIDA Sm — DC. 1 t 224 no 4. — Hook Bot. Mag. tab 4471. — Van Houtte, Flore des serres* VJ 139. lab. 577.
- 3 *M. ROBUSTA A. Cunn. — Wlpr. Recept. II. 165. no. 11. — Van Houtte, Flore des serres V. 480b. (c. IC. xylogr)
4. *M. TOMEJSTOSA A. Rich. — Wlpr. Recept. II. 165. no. 4. — Hook. Bot. Magaz. tab 4488.

XXXIV. *KUttfCE % Hclib.*

(Schauer in Wlpr. Recept. V 741, Annal. I. 308.)

- I K. MICROMERA Schauer in Lchm. Plant Preiss II 223 -f — Glabra foliis imbricatis conatis cuneato-oblongis obovatisve acutiusculis, margine cartilagineo serratis, capitulis apicalibus globosis multilobis. bractea obovata aucta biacuminataque spatulatis nerviculis canaliculatis scanosis, dorso infero cum axi lanuginoso, hinc planius oblongo glabro breviter, gormine 5-loculari. — In Nova Hollandia ad vicum Guildford.

XXXVI. (6300.) *EUCALYPTUS* Hartt.(DC Prodr. III. 215. — Wlpr. Recept. II 163 8L 9¹ V. 744, Annal. I. 309.)

- ¹ TU. MINIMALIS Hook, in Mitchell, Journal of tropical Australia p 157. adnot. — Foliis alternis glaucis lineari-lanceolatis, basi truncatis vel subfalcatis, utrinque acuminatis reticulatisve, nervis lateinerviis glaucis reticulatis, nervis lateinerviis a margine remotiusculis, foliis umbellatis (4-6-foliis), umbellis pedunculatis, calycis tubo hemisphaerico in pedicellum gracilem truncato calyptra composita acuminata calycis tuba succulenta. — Crescit in Australia orientali tropica
2. TU. ACUMINATA Hook in Mitchell I c. 390. adn — Foliis alternis petiolatis lanceolatis longe acuminatis subnerviis glaucis reticulatis, nervis lateinerviis a margine remotiusculis, foliis umbellatis (4-6-foliis), umbellis pedunculatis, calycis tubo hemisphaerico in pedicellum gracilem truncato calyptra composita acuminata calycis tuba succulenta. — Crescit in Australia orientali tropica
3. TU. DECAISNIANA Blume. Mus. bot. Lugd. Bat. 83. no 205. f — Ramulis compresso-tortuosis. foliis alternis lanceolatis truncatisve, basi valde inaequalibus conatis glabris penninerviis, pedunculatis axillariis compressis petiolum aequantibus umbellatis 5-9-foliis, operculo hemisphaerico mucronulato calycis tubo lobato notissimo. — *C. obliqua* Decc. (neo-nominata) — In insula Timor.
4. TU. DEGLUPTA Blume 1 c. no. 207 f — ramulis compresso-tetragonis mirginitis, foliis sparsis (pluribus alternis) biculcis petiolatis obovatis lanceolatis acuminatis basi acuminatis conatis glabris penninerviis, subtus tenuissimis reticulatis [^] *Ponnulus deglubata* Reinw. mss — In insula Celebes
- 5 TU. VERSICOLOR Blume 1 c. no. 208 - Foliis spiralis suboppositis breviter petiolatis obovatis lanceolatis acuminatis. basi acuminatis. conatis glabris penninerviis, — f. *tumida*, Hb. Amb. III. 122. tab. 53. — In insulis Moluccis.

4. *M. ...*
Luv. 50

s^XJv- VI|Us %T|>^Ti>s. >s^VO.

sessilibus; capitulis 3.

- 7 EU BKACIYPODA Turcz. I. c. pag. 21. — Caulo ramoso glabro; ramis teretibus glauciscescentibus; foliis alternis petiolatis oblongo-lanceolatis marginalia inaequilateraliter longe acuminatis, basi attenuatis, opacis glaucis; umbellis axillaribus 2—4-floris; pedunculis compressiusculis petiolo plus quam duplo brevioribus; pedicellis incrassatis cupulae longiudine; operculo ruguloso conico aculiusculo cupulae campanulatae aequilato et fere duplo longiore; staminibus cupulam bis excedentibus; capsulae verlice exsertio conico. — Species cum descriptione *E. Gunnii* Hook. fl. in multis quadrat, sed pedunculi folio plus quam duplo uel paulo longiores. — Mabilal in Australasia.

contractis, apice in ovum
pressis cuneatis. petiolo
tetragonis
is opacis marginatis; pedunculis compressiusculis
trifloris; pedicellis subaequalibus cupulae longiudine; operculo ruguloso; cupulae exsertio conico.

9. KU. PVIIFORMIS Turcz. I. c. pag. 22. — Caula ramoso glabro, ramisque teretibus cortice fusco laevibus obductis; ramulis compressis foliisque alternis petiolatis oblongo-lanceolatis marginatis acuminatis basi attenuatis opacis glaucis; pedunculis recurvato-reflexis tetragonis crassis unifloris pedicellum obconico-tetragonum paulo superantibus; alabastris a basi pediculi apicem versus basi crassis basi interdum fere alaeformibus percursis; operculo conico aequo cupulae aequali et fere conformi; staminibus numerosis longe exsertis. — Alabastra l'Alpollicarin, operculo dejecto cum staminibus fere bipollicaria. Sunnina fusco-aurantia. — Habitat in Australasia.
10. EU. TETRAPTERA. Turcz. I. c. pag. 21. — Caulo ramoso glabro cinereo; ramis teretibus ramulisque tetragonis brunneis; foliis alternis petiolatis ovato-lanceolatis marginalia apicem versus obtuse acuminatis, basi obtusiusculis vel parum attenuatis; pedunculis solitariis unidorsis recurvis compresso-dilatatis, capsula maxima tetraptera, plus quam duplo brevioribus; pedicellis nullis, operculo tetragono-pyramidalis acuto, basi orificium cupulae aequante laevibusque pyramidis concavis. — Alabastra cinnamomea. flos singulis. classis, bipollicaria, circiter pollicem in diametro, pyramidis 6 lin. longa. — Habitat in Australasia.
11. EU. UNCINATA Turcz. I. c. pag. 23. — Caulo ramoso ramulisque teretibus cortice fusco; foliis alternis petiolatis lanceolatis glaucescentibus subpellucido-punctatis marginalis, basi longe attenuatis, apice in acumen uncinatum prodeuntibus; capitulis multifloris pedunculatis, inferioribus remoliusculis, superioribus in racemum densum collectis; pedunculis pedicellum subaequantibus; pedicellis fere nullis; cupula turbinata tereti aut vix angulosa, operculo conico obtusiusculo cupulam subaequante; staminibus exsertis (albidis). — Alabastra parva, magnitudine illorum *E. robustae*, folia 2—3 poll., longa, latitudine majoris 2/3 lin. non excedente. — Habitat in Australasia.
12. EU. PRUINOSA Turcz. I. c. pag. 23. — Glabra: ramis teretibus fuscis, novellis glauciscescentibus. foliis alternis petiolatis ovalis acuminatis, basi rotundatis vel parum attenuatis, majusculis apicem versus obscure reflexis, pedunculis recurvato-reflexis

~~foliis rhomboidibus, interstitiis brevibus...~~
 decurrentibus
 In operculis orbata qual u^{^^}TxiZrS^{^r^^}S£5^{??}SS.
 viaeatur bene distincta, accedit ad *E. pyriformen* oupuiaruin inn, uftudine >«dunoVfi»
 que recurvatis saepe unifloris. — Habitat in Australasia.

f Species minus cognitae.

13. EU. POPULIFOLIA Hook, in Mitchell, *Journal of tropical Australia* p. 204. adn. t — Foliis rhomboid-triangularibus obtusissimis longius petiolatis coriacea minute punctatis (punctis pallidis) reticulato-venosis. — Crescit in Australia.
14. EU. MELISSIODORA Lindl. in Mitchell l. c. 235. adn. f - Ramis ferrugineo-tomentosis scabris; foliis uiridibus papillis rubiginosis scabris ovato-oblongis obtusis, supra basin peltatis; (floribus fructibusque ignotis). — Crescit in Australia orientali tropica.
15. *Eu. CITRIODORA* Hook, in Mitchell l. c. f — *Ramis angulatis fuscis. minute tuberculatis; foliis lanceolatis petiolatis pinnulatis (??) patentibus - parallelo-venosis viridibus (non glaucis).* — Crescit in Australia o '

+ t Icon addenda.

- EU. MACUOGARPA Hook. — (Wlpra. Anal. I. 311.) — Paxton. *Hagaz. of bolan.* XV. 29. (c ic.)

XXXIX. (6290.) *TKISTAIVIA R. Br.*

(DC. Prodr. HI. 210. — Wlprs. Report. II. 160.)

1. TR. ANGUSTIFOLIA Hook, in Mitchell, *Journal of tropical Australia* pag. 198. adnot. — Foliis anguste linearibus mucronato-acummatis, supra glabris, subtus subsoricatis, marginibus arete revolutis; pinnulis terminalibus folio brevioribus calycibusque incanopomentosa. — Crescit in Australia orientali tropica.

XLII. (6298.) *MELIAEUCA Linn.*

(C. Prodr. III. 211. — Schiauer in Wlprs. Repert. V. 745. IF. 162. a 927. Annal. I. 311.)

- *. 'M. (*Cujtipuli*) ANGUSTIFOLIA Blume, *Mus. bot. Lugd. Batav.* p. 83. adn. — *M. saltgnafolium* l. c. 66. no. 174. — *M. viridiflora* var. *angustifolia* Blume, *Bydr.* 1099. — *M. Leucadendron* Forst. — Hayne, *Arzneigew.* X. tab. 9. — *Myrtus saligna* Gmel. — *Rmpb.* lib. Amb. II. 76. tab. 17. fig. 2.
2. M. CYRTODONTA Turcz. *Bulletin de la societé imper. des natural. de Moscou* XXII. Part. II. pag. 24. — Ramulis junioribus tomentosis; foliis obovatis imbricatis subsessilibus, unguis linearibus, nonnullis fere semiteretibus obtusis, junioribus pilis tennatis, adultis glabris muticis; capitulis paucifloris; calycis tubo pubescente. dentibus ovalo-lanceolatis intus incurvatis, tubum aequantibus, cutaneis, persistentibus; petalis membranaceis calyce longioribus (fuscis); phalangibus triandris petala excedentibus (junioribus lacteis, dein violascentibus). — *M. pinifolia* Turcz., cujus capitula infetiora in ramulis longiusculis sunt terminalia, dein superius ramulis conspersa diminutis et demum evanescentibus in ramis sessilia et axillaria evadunt ob phalanges stauinum dilatatas et lineares ad *Lampromyrtos* Schau. referri non potest sed a *Cosmoslemonibus* etiara phalangibus pinnatifidis teceat, ad *Gymnagathidum* m.

6. EU. MAGROCERA Turcz. Bulletin de la société imp. des natural, de Moscou XXII. Part. II. pag. 20. — Caule ramoso glabro; ramis tereibus cortice annulatim deciduo tectis; folijs alternis petiolatis oblongo-lanceolatis, basi attenuate, retusis, mucrone crassiusculo tenninatis opacis; (loribus in pedunculo recurvato compressoque capitatis sessilibus; capitulis 3—8-floris; cupula turbinata, operculo conico corniformi laevi, apice incurvo, cupulam octies superante et basi ilia paulo latiore. — Stamina numerosa (lava, cupulam multolies excedentia; stylus longitudine staminum stigmatem ovale terminatus. Operculum ut in affini *E. cornuta* longius, semper versus apicem recurvatum. — Habitat in Australasia.
7. EU. BRACHYPODA Turcz. 1. c. pag. 21. — Caule ramoso glabro; ramis tereibus glaucescentibus; folijs alternis petiolatis oblongo-lanceolatis marginatis inaequilateris, longe acuminatis, basi attenuatis, opacis glaucis; umbellis axillaribus 2—4-floris, pedunculis compressiusculis petiolo plus quam duplo brevioribus; pedicellis incrassatis cupulae longitudine; operculo ruguloso conico acutiusculo cupulae campanulatae acquilato et fere duplo longiore; staminibus cupulam bis excedentibus capsulae verlice exserto conico. - Species cum descriptione *E. Gunnii* Hook. ill. in mullis quadrat sed pedunculis folio plus quam duplo nee paulo longiores. - Habitat in Australasia.
8. EU. CUSPIDATA Turcz. 1. c. pag. 21. - **Cnule** ramisque teretibus, cortice fusco laevi obductis, ramulis subquadrangulis; folijs alternis petiolatis ovato-lanceolatisve basi contractis, apice in cuspidem abrupte attenuatis opacis marginatis; pedunculis compressis cuneatis, petiolo duplo brevioribus binarius uni- vel trifloris; pedicellis subtetragonis pedunculis brevioribus; alabastris grosse costato rugoso; cupula turbinato-obconica operculum conicum acutum duplo fere excedente; staminibus exsertis (rufescentibus). — Pedicelli cupulis duplo breviores, alabastra majuscula 8 lin. longa. — Habitat in Australasia.
9. EU. PYLIFORMIS Turcz. 1. c. pag. 22. - Caule ramoso glabro, ramisque teretibus cortice fusco laevi obductis; ramulis compressis folijsque alternis petiolatis oblongo-lanceolatis marginatis acuminatis basi attenuatis opacis glaucis; pedunculis recurvato-reflexis tetragonis crassis unifloris pedicellum obconico-tetragonum paulo superantibus; alabastris a basi ad operculi apicem bialatis, costis crassis basi interdum fere alaeformibus percursis; operculo conico acuto cupulae aequali et fere conformi; staminibus numerosis longe exsertis. - Alabastra $\frac{1}{2}$ -pollicaria; operculo dejecto cum staminibus fere bipollicaria. Stamina fusco-aurantiaca. - Habitat in Australasia.
10. EU. TETRAPTERA Turcz. 1. c. pag. K. ~ Caule ramoso glabro cinereo; ramis teretibus ramulisque tetragonis brunneis; folijs alternis petiolatis ovato-lanceolatis marginatis opacis, obtuse acuminatis, basi obtusiusculis vel parum attenuatis; pedunculis solitariis unifloris recurvis compresso-dilatatis, capsula maxima tetrajitera, plus quam duplo brevioribus; pedicellis nullis, operculo tetragono-pyramidato acuto basi orificium cupulae aequante laevibusque pyramidis concavis. - Alabastra cinnamomea formae singularis, crassa, bipollicaria, circiter pollicem in diametro, pyramide 6 lin. longa. - Habitat in Australasia.
11. EU. UKCINATA Turcz. 1. c. pag. 23. - Caule, ramis ramulisque teretibus cortice fusco; folijs alternis petiolatis linearibus lanceolatis glaucescentibus subpellucidopunctatis marginatis, basi longe attenuatis, apice in acumen uncinatum productis; capitulis multifloris pedunculatis, inferioribus remotiusculis, superioribus in racemum densum collectis; pedunculis petiolos subaequantibus; pedicellis fere nullis; cupula turbinata tereti aut vix angulosa, operculo conico obtusiusculo cupulam subaequante; *slamioi* bus exsertis (albidis). — Alabastra parva, magnitudine illorum *E. robustae*, folia 2—3 poll., longa, latitudine majoris 2% lin. non excedente. — Habitat in Australasia.
12. EU. PRUINOSA Turcz. 1. c. pag. 23. - Glabro: ramis teretibus fuscis, novellis glaucescentibus; folijs alternis petiolatis ovatis acuminatis, basi rotundatis vel parum attenuatis, marginatis opacis, obscure verrucosis, glaucis; pedunculis recurvato-reflexis

crassis terotibus 1—2-floris; pedicellis brevibus obconico-tetragonis, in cupulam turbinato-totragonam, lateribus costatam pruinosa abeuntibus, coslis in pedunculum decurrentibus; filamentis longe exsertis rufis; oviculo...? — Stirps, propter specimina jam operculis orbata, quoad locum in genere incerta, etiamsi ab omnibus cognitis videatur bene distincta, accedii ad *E. pyriformen* cupularum magnitudine pedunculisque recurvatis soepe unifloris. — Habitat in Australasia.

f *Species minus cognitae.*

13. EU. POPULIFOLIA Hook, in Mitchell, Journal of tropical Australia p. 204. adn. f — Foliis rhombeo-triangularibus obtusissimis longius petiolatis coriaceis minute punctatis (punctis pallidis) reticulato-venosis. — Crescit in Australia.
14. EU. MELISSIODORA Lindl. in Mitchell l. c. 235. adn. f — Ramis ferrugineo-tomentosis scabris; foliis utrinque papillis rubiginosis scabris ovato-oblongis obtusis, supra basin peltatis; (floribus fructibusque ignotis). — Crescit in Australia orientali tropica.
19. EU. CITRIODORA Hook, in Mitchell l. c. f — Ramis angulatis fuscis, minute tuberculatis; foliis late lanceolatis petiolatis pinnulatis (??) patentibus - parallelo-venosis viridibus (non glaucis). — Crescit in Australia orientali tropica.

f f *Icon addenda.*

EU. MACROCARPA Hook. — (Wlprs. Annal. I. 311.) — Paxton, Magaz. of botan. XV. 29. (c. ic.)

XXXIX. (6290.) TRISTASTIA R. Br.

(DC. Prodr. III. 210. — Wlprs. Repert. II. 160.)

1. TR. ANGUSTIFOLIA Hook, in Mitchell, Journal of tropical Australia pag. 198. adnot. — Foliis anguste linearibus mucronato-acuminatis, supra glabris, subtus subsoricatis, marginibus arete revolutis; paniculis terminalibus folio brevioribus calycibusque incano-tomentosis. — Crescit in Australia orientali tropica.

XLII. (6298.) MUEIJAIGUCA Linn.

^DC Prodr. III. 211. — Schauer in Wlprs. Reperl. V. 745. II. 162. & 927. Annal. I. 311.)

- *. *M. (Cajapuli) ANGUSTIFOLIA* Blume, Mus. bot. Lugd. Batav. p. 83. adn. — *M. saligna* Blume l. c. 66. no. 174. — *M* viridiflora* var. *angustifolia* Blume, Bydr. 1099. — *M. Leucadendron* Forst. — Hayne, Arzneigew. X. tab. 9. — *Myrtus saligna* Gmel. — Rmpb. Mb. Amb. II. 76. tab. 17. fig. 2.
- 2. *M. CYRTODONTA* Turcz. Bulletin de la societe* imper. des natural. de Moscou XXII. Part. II. pag. 24. — Ramulis junioribus tomentosis; foliis obovatis imbricatis subsessilibus, unguato linearibus, nonnullis fere emiteretibus obtusis, junioribus petiolatis serratis, adultis glabris muticis; capitulis paucifloris; calycis tubo pubescente. dentibus ovato-lanceolatis intus incurvatis, tubum aequantibus, cutaneis, persistentibus; petalis membranaceis calyce longioribus (fuscis); phalangibus triandris petala excedentibus (junioribus lacinatis, dein violascentibus). — *M. pinifolia* Turcz., cujus capitula inferiora in ramulis longiusculis sunt terminalia. dein superius ramulis sessilibus diminutis et demum evanescentibus in ramis sessilia et axillaria evadunt, ob phalanges staminum dilatatas et lineares ad *Lampromyrtos* Schau. referri non potest sed a *Cosmostemontbus* etiam phalangibus pinnatifidis reedit, a *Gymnagathidom* ui,

- ftorescentia valde accedit et forsā hujus generis est species. *M. pauiflora* phalangibus pan modo lineanbus donata est veia Gajaputi *M. tparsiflora* propter flores, non rite notos, quoad locum in genere incerti — Habitat in Australasia ,
- 3 *M. TAMARISCINA* Hook, in Mitchell. Journal of tropical Australia pag. 262. adnot — Ramosissima ramulis gracillimis copiose excavatis e foliis deiapsis, folus romeis remotis parvis ovatis acuminatis appressis, nmulmis minutissimis squamaefoimibus convezis obiusis imbncjtis immercis capsulis circa ramos spicatis pams globosis — Crescit in Australia onentah tropica
- 4 *M. TRICHOSTACIYA* Lmdl in Mitchril 1 c pog 277 adn — Fols saepius oppositis lineanbus plants utnque acutissimis spica teimimli hxiuscula rhachi pilosa calyce glabro, denlibus herbaceis phalangibus polvandns. ungue petalis breviorē — Crescit in Australia oriental! tiopica

XLV. RECUSIIA Schauer.

(Schauer in Wlprs Reprt V 748. Annal. I 313)

- 1 *R. ADPRFSSA* Turcz Bulletin do la <ocie'te' imp des mtural de Moscon XXII. Part. II pag. 25 — Ramulis lomtis post lapsum fohorum ciotnsatis fols oppositis decussatis sessilibus, interne juxta basin affixis cvuo-oblongis acutiusculis 3—5-nervijs ghrrib mm is arete adpressis, im lanato, capitulis donsis subnlmdncis hpanthus villosis denlibus cahcims ovitis acutis uninervus glabns petnlis calycem excedentibus phalangibus 3-andns. unguibus glabns petilorum longiludine, flamenloium paitc lib era ungues multo superante — Habitat in Austialasia
- 2 * *R. INOPS* Schauer in Lehm Plant Peiss II- 224. — *Beauforha mops* Schmuer — Wlprs Reprt II 930 no 11

XIV (6295) BEAUFORTU/I Tir

(Schauer in Wlprs Reprt II 928 V 749 Annal I 313)

- 1 *B. Schizoplewa* MICROPHYLLA Turcz Bulletin tit la socie'te' impei des natuial. de Moscou XXII Part II pag 24 — Ramulis glabnusculeis, fols oppositis decussatis sessilibus cinnnto-concavis ovato-oblongis obtusissimiinalis squirrosis 3—5-nerviwt juxti basin ifflxis axi hnato capitulis ovatis densis hyptnlhns pubcrulis phalangebus 5—7-andns unguibus pubescntibus corollam duplo excedentibus — I'oha fere fegehac c\Ualac, sed duplo minora el obiusioia. ^ix ac ne \ix quidem ad lontem c'lioJata Brartrac subulatae parvae, cilyce duplo breviores Calycis dentes triangulares, corolla duplo breviores — In Nova Hollandia

XLVI (6294) CLICOTHAMIFTNJS Labill

(DC Prodr - Wlprs Reprt II 930 V 749, Annal I 313)

- 1 *C. (CaMhamnus) ASPERA* Turcz Bulletin de la socie'te' imp des natural de ~~Moscou~~ XXII. Part. II pag 25 — Ramulis jumonbus MIOSIS fols sparsis confertis ~~sessilibus~~ lineanbus, ab apice ad basin attenuatis mucronatis planis, margine ~~reoro~~ ^{DE} ~~W~~ ⁴ ~~al-~~ ^{al-} ~~U~~ ^{al-} ~~ris~~ ^{al-} ~~flonbus~~ ^{al-} ~~tetramens~~ ^{al-} ~~axillanbus~~ ^{al-} ~~capitato - spicatis~~ ^{al-} ~~phalangibus~~ ^{al-} ~~polyandns~~ ^{al-} ~~in~~ ^{al-} ~~habitat~~ ^{al-} ~~in~~ ^{al-} ~~Australasia~~ ^{al-}

Subordoll. **CHYMOCARPIAE.**Tribus III. **MYRTEAE** DC. Prodr. III. 230.6313. BTEIiITIIS *Grtnr.*

(DC. Prodr. III. 231. — Wlprs. Repert. II. 170.)

1. N. RUDRA Blumé, Mus. bot. L'ugd. Batav. 73. no. 183. f — Foliis lanceolate vel lanceolaio-oblongis acuminatis venulosis glabris vel subtus pube rara subtilissima aspersis; racemis ramosis folium fere adaequantibus; calycis tubo canescenti-sericeo, limbi quinquefolii lobis aequalibus ovatis obtusis; ovario 6-loculari, loculis pauciovulatis. — *Anlherura rubra* Lour. Fl. Coch. (ed. W.) 178. — *Psychotria rubra* Poir. — *Psychotria anlherura* R. ft Sch — Rmpli. lib. Arab. III. t. 136.
(*S. rigida*: foliis rigidioribus supra lucidis. — In Cochinchina.)
2. N. LAXIFLORA Blume 1. c. 74. no. 184. — Foliis ovaio - lanceolatis cuspidatis. basi acutis obsolete transverse venulosis glabris vel utrinque pube rarissima vix conspicua adpersis; racemis ramosis laeis folio longioribus; calycis tubo canescenti - sericeo, limbi quinquefolii lobis subaequalibus ovalis obtusis; ovario 5-loculari, loculis pauciovulatis. — In Nova Guinea.
3. N. LUCIDA Blume 1. c. no. 185. — Foliis ovatis et ovato - lanceolatis longe acuminatis, basi acutis uninerviis aveniis. supra lucidis glabris, subtus pube rarissima adpersis; racemis ramosis folium fere adaequantibus; calycis tubo canescenti-sericeo, limbi quinquefolii lobis subaequalibus, quorum 3 triangulari - ovatis acutis, 2 obtusis. — In insula Java et adjacentibus.
- * N. CORIANDRI Blume 1. c. no. 186. f — Foliis lanceolatis, utrinque angustatis vel basi acutis obsolete venulosis glabris vel utrinque pube subtilissima adpersis; racemis ramosis folium adaequantibus; calycis tubo gilvo-sericeo, limbi quinquefolii lobis aequalibus ovatis obtusis; ovario 7-rarissime 6-loculari, loculis pauciovulatis. — *Myrtus coriandriiformis* Zipp. mss. — Habitat. . . . ?
5. N. ALBA Blume 1. c. no. 187. f — Foliis ovato-vel oblongo - lanceolatis longe acuminatis, basi acutiusculis, margine revolutis venulosis glabris vel in nervo medio utrinque parce sericeo - puberulis; racemis ramosis folio brevioribus vel illud interdum adaequantibus; calycis tubo cinereo - sericeo. limbi quinquefolii lobis subaequalibus ovatis obtusis; ovario 10-vel interdum 7-loculari, loculis biovulatis. — *Caryophyllaster alba species* Rmph. lib. Amb. III. 211. — In Amboina.
6. N. BRACTEATA Blume 1. c. no. 188. — Foliis oblongis, floralibus minutis lanceolatis; floribus solitariis in summitate ramulorum approximatis; ovario 8—10-loculari. (Charact. ex Roxb.!) — *Fabricia braoteala* Rxb. Fl. Ind. II. 476. — In Mohicis.
7. N. CONFINIS Blume 1. c. no. 189. — Foliis lanceolatis vel ovato - lanceolatis acuminatis, basi acutis uninerviis aveniis glabrusculis vel in nervo medio utrinque sericeo-puberulis; racemis simplicibus vel ramosis folio brevioribus vel illud adaequantibus; calycis tubo albido-sericeo, limbi quinquefolii lobis inaequilongis difformibus, 3 externis minonibus ovatis acutis vel obtusiusculis, internis multo latioribus transverse ovalibus; ovario 6- rarius 5-loculari, loculis uni — biovulatis. — (*J. venulosa*: foliis lanceolatis vel elliptico - oblongis obsolete venulosis. — Habitat in Archipelago Indico,

- 8 N. MYRSINOIDES Blume 1 c 75 no. 190 — Foliis ovatis et ovaio - vel lanceolato-oblongis acuminatis, basi acutis uninervis avenis glabris vel in nervo medio utrinque parce senco - puberulis, racemis simplicibus folio brevioribus, calycis tubo canescenti-senco, limbo quinque- rarius quadriduo lobis subaequalibus ovatis acutis vel obtusiusculis, ovano 7-rarius 8-loculan, loculis uniovulatis — In insulis Java 8L Sumatra
- » N. POLYMORPHA Blume 1 c no 191 — Folia elliptica lanceolatae, utrinque acutis vel apice acuminatis obsolete venulosis, supra nitida*, in nervo medio subtus tomentosis, racemis ramosis folio plerumque brevioribus, calycis tubo canescenti-senco, limbo quinquefidis lobis inaequalibus rotundatis, ovano 6—7-rarius 5-loculan, loculis 1—2 - ovulatis — *N. polygama* Blume, Bijdr. 1098 (nec Spr)
 p. *monocaula* folia elliptica acuminatis basi acutis, lacinae calycis ovatis acutiusculis
 Y* *longifolia* folia oblonga lanceolatae acuminatis racemis passim simplicibus lacinae calycis 3-meris ovatis acutiusculis, lacinae lobis rotundatis — *Phyllanthus longifolia* Reinw mss — In Archipelago Indico
- 10 N. PARVIFLORA Blume 1 c no 192 - Foliis lanceolatis acuminatis, basi angustius uninervis angustius gheriusculis rarius nervosis vel simplicibus folio brevioribus calycis tubo canescenti-senco, limbo quinque- rarius quadriduo lobis subaequalibus ovatis acutiusculis ovano 7-loculan, loculis bivulvatis — *Lugenia parviflora* Lam — DC Prodr HI 281 — In insula Java occidentali

6315 PSIDIUM Linn

(DC. Prodr. HI 232 — Wlprs Repert II 170 V 750, Annal I 313)

- 1 *PS GUAJAVA Linn — Blume, Mus. bot Lugd Bata\ 71 no 181 f — *Ps. ponuiflorum* L — DC Prodr HI. 254 — Rumph Herb Amb I 142 tab 48 — Rheede, Hort Malab HI 33 tab. 35
 P. *pyriforme* fructibus lumbatis — *Ps. pyriforme* L — DC 1 c 253 — Rumph 1 c tab 47 — Rheede 1 c tab 34
 Y *minus* fructibus globosis subangulosis folisque majoribus — *Ps. Cujmillo** Burm Fl Ind 114
- 2 *PS PUMILUM Vahl — DC I. c 232. — Blume I c no. 182 — *Pa. angustifolium* Lam — Rumph lib Amb I tab 49
 (J *lufescens* folia lanceolatae, subtus pubescente subvelutinis
 Y *intermedium* folia (majoribus) elliptico-lanceolatae utrinque acutis vel basi saepius rotundatis, subtus pubescente vel rufescente subvelutinis — *Ps. intermedium* Zipp mss
- 3 PS OBVERSUM Miq Linnæa WII 532 f — Ramulis tetragonis foliisque breviter petiolatis spatulato-lanceolatis vel lanceolatis obtusis aut acutis, basi attenuatis praesertim sub pubescentibus pedunculis veis basin axillaribus solitariis vel ex squamarum axillis, brevibus calyce hinc obovato-tubulato bracteoli* 2 vel 3 oppositis vel alternis suffulto, lobis ovatis obtusis, intus et extus laevibus petalis glanduloso - punctatis ciliolatis — Huic affertur *Ps. pumilum* Vahl «* praesertim ejus var. p. *Guadaloupense* DC — Crescit in Brasilia
- 4 PS EROSUM Miq 1 cit 533 f — Ramulis subtetragonis, petiolis folisque hirtellis* puberulis, his modice petiolatis oppositis, obovato - oblongis oblongisve obtusis. v. ^{crs} basin subtriangulatis, junioribus sublanceolatis, majoribus irregulariter ^{lacer} erosis pedunculis axillaribus solitariis folio brevioribus dense hirtellis bracteolis* caducis, calyce hirtello, petalis filosis - ciliolatis — Crescit in Brasiliae provin⁰¹* Minas Geraes.

3615A MACROFSIDIOI *Blume*

(Blume, Mus hot Lugd fiat 85)

Calyx lubo iurbinato, cum ovario connato, limbi supon quadnfidi lobis rolundatis, persistentibus. Petala 4, calvcis fauci inseita. Stamina plnma, ad caJycis faucem et disco episjno lalo plunsciatim inseita Ovauum infeium, quadnloculaie, o\uhs in loculoium angulo centiall plunmis, uniscnaLib Slylus bie\is, simplex, stigma pellalum, upibihcatum Hacca turbinata, calycis limbo coronala, disscipimentis o\anidis uniloculans. Semina pauca majuscula ncpheidta, in pulpa caino<?a nidulantia, f csta chartacea Embrji exalbuminosi snbcicmnnati cotykdonea crassae inaequales, altera smu lecipicndae minon exsculpta Radicula cylmcliica cuivata centnpeta.

- ¹ M ELEGANS Blume I c no 212 + — Folns obovaus \cl cuneato-ellipUus bieviier cuspidatis, baccis raajusculis — In sjlvis prope Singanoli Gilolo (??)
- ² M RUBIUM Blume 1 c no 213 — Folus oblongis obtusis baccis pan is — *Ihidium inbiium* Lour — DC Prodr III 337 — In sjlvis Cochmchinac

6316 HHTRTU8 *Tournef*

(DC Prodr HI 237 — Wlprs Repert II 172 & 932 V 750)

- ¹ M MILCYNI Krlhls Ncderl kruidk Archief I. pag 197 — Folia paiva obovolia obiusa suhtus pubescenia ncrvosa raccmuli pubescentes axillaies pauciflori — Crccsit in cacuminc montis Mcrapi insulae Sumatra.
- ² M REVOLUTY Schauer Linnaea XXI 272 f — Glabernma ramulis argute quadranb^fuldribus, folus conaccis suboAato-ellipticis acummatis, in pctiolum breMSSimum coaictaiis, margmo revolutis subavenus impunctatis undatis, utnnque subnitidis, subtus paliidionbus, pedunculis axillanbus solitaris gemimsve subcompressis ad florem L^h ncleolaijs, folium subaequanlibus, calycis phyllis o^alibiis aculiusculis reflex is hypamhio globoso ter longionbus — Proxima \idetur *M calophyllae* — Crccsit in Guianae Batavae campis aienosis, prope Joden - Savanna.
- ³ M COQUIMBENSIS Baineoud in Gay, Histor de Chile (Bot) II pag 382 — Fiutex 2—3-pedahs ramosus lamis junionbus pilosis, folus oiato-elliptius oppositis, breviter pcciolalis conaceis, subtus fulvo - puberuchs etinilexis, supra vindi-coerulescentibus oblusis flonbus albidis, apice ramorum solitarus aullanbus quinquefldis, pedunculis folio duplo brcvioribua, caljce et petalis pilosis. bacca rubra biJocuJan, loculis monospermis. — Habitat in Chile
- ⁴ M CANDOLLII Barneoud in Gay 1 cit pag 382. — Frutex pilosus tamosus erectus lamis no\ellis ferrugmeo-pilosis, folus ovatis latiusculis- acutissimis oppositis, broi-ler petiolatis, utnnque pubescentibus, subtus margine revolutis venosis, flonbus albis solinnis axillanbus, pedunculis villosis, folio dimidium brcMonbus, bracteis 2 linca-nbus. calyce quinquefldo piloso, pelalis 5 ovatis obtusis, bacca tnloculaii poljjsperma l'illosa — Habitat in Chile
- ⁵ M. KUMA Barneoud in Gay 1. cit pag 384 — Frutex jnibescens ramosus folus ovato-lanceolatis opposilis acuminalis integris, utnnquo puberulis, subtus venosis pallulius-culis, supra viudibus, basi breviter petiolatis floubus panis albis axillanbus quinque-fldis, 3—4 ad apicem peduncuh ramosi. lolium subnequantis, bacca glabra biloculau. locuhs oligospermis. — Habitat in Chili

6316/t. **JOSSHVIA.** *Commers.*

(DC Piodr HI 237. — 3/yrli sect 2 Wlprs. Rcepit II 172)

- 1 J LAMARKH Blume. Wus boi Lugd Batav 121 no 282 f — Tolns brevissime petiolatis obovatis vel ellipticis obtusis, basi subattenuatis conaceis glabris impunctatis, subtus icuculaio-venosis, Qoribus confertis breviter pedunculatis — *Eugenia elliptica* Lain Tncjcl III. 20b — *Myrtus elliptica* Spr. Syst veg II 483 — In insuhi St. Maurilji.
- 2 J SIEBIRIANA Blume I c no 284. f — ^{F° 1^{IS}} breviter petiolatis obovatis vel ellipticis obtusis, basi subattenuatis, margine subreflexis conaceis glabris subvenosis, supra obsolete impresso-punctatis, junionibus sublus senceo-lepidotis, flonibus solius geminis vel bicater pedunculate — In insulis Mauntianis
- 3 J HASTILIS Blume I c p 122 no 286 -f — Folns brevissime petiolatis obovatis vel elliptico-oblongis obtusiusculis, basi acutis conaceis glabris, supra avenis impunctatis, subtus subvenosis, pedunculis solitarnis am geminis brevissimis cum calycis tubo canescenti - seuceis — In insulis Mascarema
- 4 J GLOMI RATA Blume I c no. 288 f — Folus breviter petiolatis oblongis obtusiusculis, basi acutis conaceis unimervis subavenis, margine subrevolutis impunctatis glabris, pedunculis glomeratis petiolo brevioribus calycibusque impresso-puberulis. — In insula Nostri-R⁵ (ubi?*)
- 5 J RICHARDII Blume I c. pag. 123 no. 290 -f — Folns subsessilibus obovatis vel obovato-rotundatis obtusis vel levis, margine revolutis conaceis glabris, utrinque obsolete venoso-reticulatis, supra impunctatis, subtus lepidoto-punctatis, pedunculis solitarnis folio multo brevioribus calycibusque glabris. — In Madagascana.
- b. J LITORALIS Blume I c. p 124 no 293 f — Folns subsessilibus ovalis vel rotundato - ovatis obtusiusculis, basi rotundatis vel subcordatis, margine recurvis conaceis subvenosis, supra obsolete impresso-punctatis glabris, junionibus cum ramulis, pedunculis calycibusque senceo - puberulis, pedunculis solitarnis vel aggregatis filiformibus folio dimidio brevioribus — *Myrtus littoralis* Zipp — *Myrtus cassinoides* Zipp — In Nova Guinea
7. J? GLEBIGA Blume I c no. 294 f — Folus brevissime petiolatis oblongo - lanceolate acuminatis, basi acutis vel obtusis, margine recurvis conaceis glabris, supra punctis raris impressis et conspicue reticulatis, sublus obsolete venosis, pedunculis solitarnis filiformibus folio multo brevioribus glabris. — In syhis insulae Celebes*

6316/2 **UGIVI Turcz.**

(Turczan. Flora [B. Z] XXXI. 711.)

Calyx cum oculo connatus quinquepartitus, lacinis linearibus reflexis Pelala quinque obovato-rotundata. Stamina numerosa, filamentis complanatis multiseriatis, exterioribus majoribus, minoribus sensim decrescentibus, connectivo extensorum dilatato, antheram bilocularem latere interiore gerente. Ovarium quadriloculare, loculis multiovulatis Stylis subulatis apice incurvis, stigmatibus aculis. Bacca calyce coronata quadrilocularis, loculis placentis valde prominis incomplete biloculatis 3—4-spermis. Semina hippocrepica, testa crustacea dura, embryo DJJ exalbuminoso curvato, cotyledonibus cum radice brevi in massis conferruminatis — Genus meum *Myrtaceae Chymocarpicae* filamentis **com***

planatis distinctissimum, sed neglecta etiam hat nota, si cum *Myrlo* convenire possit numero partium, embryonis fabrica recedit, *Eugeniae* hoc signo approximalum, partium numero alienum est.

- i. *U. MOLINAE Turczan. 1. c. — *Myrtus Ugni* Molina. — *Eugenia Ugni* Hook, ft Arn. — Wlpris. Repert. II. 167. no. 59. — *Mortilla* Feuill. III. tab. 31. — Habitat in Chili.

6316/B- (6338.) RHODAOTITIA W. Jack.

(Wlpris. Repert. V. 757.)

1. RH. CINEREA W. Jack. — Wlpris. Repert. V. 757. no. 1. — Blumo, Mus. bot. Lugd. Oatav. 78. no. 195. f — Foliis ellipticis vel ovato-oblongis lanceolatisve obtuse acuminatis, basi acutiusculis tri-vel subtripHnerviis subcoriaceis, subtus cinerascentibus, junioribus sublus sericeis, adultis glabriusculis; pedunculis subfasciculatis uni-rarisime trifloris. — *Monoxora specclabilis* Wght. Illustr. II. 12. tab. 122. fig. 5. — Wlpris. Repert. V. 755. no. 1, (c. synonym.)
 - p. *concolor*: foliis latioribus longe acuminatis concoloribus.
 - Y* *la-viflora*: foliis latioribus longe acuminatis subconcoloribus; pedunculis solitariis vel paucis fasciculatis.
 - 8. *macrophylla*: foliis majoribus cuspidatis vel longe obtuse acuminatis triplinerviis. subtus griseo-argenteis; pedunculis paucis fasciculatis. — In montanis insularum Sumatrae, Borneo (Y-) et Java.
- 2» RH. SPECTABILIS Blume I. c. no. 196. + — Foliis oblongis lanceolatisve obtuse acuminatis, basi acutiusculis trinerviis vel subtripHnerviis coriaceis. subtus griseo-argenteis, junioribus subtus sericeis, adultis" glabriusculis; pedunculis fasciculatis unifloris. — *Myrtus spectabilis* Blume. — DC. Prodr. III. 240. — Java.
 - (J. *cuspidata*: foliis lanceolata vel oblongis cuspidatis trinerviis.
3. RH. SUBTRIFLORA Blume I. c. 79. no. 197. f — Foliis ovato-vel elliptico-oblongis lanceolatisve obtuse acuminatis, basi acutiusculis tri-vel subtriplinerviis coriaceis, subtus griseo-argenteo-sericeis; pedunculis fasciculatis uni-vel saepe trifloris.
 - P. *velutina*: foliis ovato-vel elliptico-oblongis triplinerviis, subtus sericeo-velulinis.
 - Y* *reticulata*: foliis lanceolatis vel ovato-vel elliptico-oblongis subtriplinerviis, supra inter nervos arete reticulatis, subtus argenteo-sericeis. — Borneo.
- * RH. MÜLLERI Blume I. c. no. 198. f — Foliis ellipticis, utrinque subacutis trinerviis coriaceis firmis, subtus flavescenti-cinereo-argentatis ramulisque sericeo-pubescentibus; pedunculis solitariis vel paucis uni-vel bifloris. — *Myrtus Mülleri* Krthls. Nederl. kruidk. Arch. 1847. p. 197. — In Borneo australi.
5. RH. GLOBOSA BLUEQQ I. c. no. 199. — Foliis elliptico-oblongis vel lanceolato-oblongis obtuse acuminatis. basi acutis tri-vel subtriplinerviis coriaceis concoloribus vel sublus nonnihil caesiis, junioribus subtus sericeis, adultis glabriusculis; pedunculis fasciculatis vel subracemosis confertis. — *Myrtus globosa* Krthls. I. c. — In Insula Borneo.
6. RH. GLAUCA Blume I. c. no. 230. — Foliis ovatis vel ovato-oblongis, utrinque acutis vel apice acuminatis tri-vel subtriplinerviis coriaceis, subtus glaucescenti-leprosis, junioribus in nervis subtus ramulisque albido-tomentosis; pedunculis solitariis paucisve uni-vel cymoso-quinquefloris. — In Nova Guinea.
- * RH. ? TRINERVIA Blume I. c. no. 201. — Foliis elliptico-oblongis, utrinque acuminatis trinerviis, subtus pubescenti-tomentosis; pedunculis axillaribus cymoso-3-7-floris, ramulis calycibusque subbirsulis. — *Eugenia? trinervia* DC. Prodr. III. 279. — In Nova Hollandia.

6317. M R C I A DC.

(DC Prodi III 242 - Wlprs, Repert. II. 173 & 932. V 751, Annal I 314)

- J 'M BCHBI RIS DC 1 c 254. — Miqu Linnaea XXII. 171. — *Eugenia pamculacflma* Sleud. Horn (B Z) 1843. p. 7b2. — Wlprs Repert V. 755 no 16.
- 2 M SURINAM! NSIS Miqu Linnaea XXII. 170 f a Stnp. Sunnamcns select p 35 f t 9 B — Uimulis pctiolisque fusco-hirtellis, foliis breviter petioldtis elliplicis, obtuse dpicuhti*; basi acutis. vel obtusis, marginibus leMlcr incurvis, ngide memhranaccis, Miblus glanduloso-et pellucido-punctalis junionbusque sparse, in costa confcitus pubciulis, tbyrsis axillanbus solitarus lerminahbusque puberulis, ramis pitulii>, infpnonbus cjmoso-plunflons, supenonbus smplicibus. bractois lincanbus ulialo-puberulij. decidujs, flonbus lateralibus pedicclatis, modus scj»silibus, basi bibracteolatis, ciljcis tubo obovito-globoso ghbro, lobu. qumque rotundalis jlandulos> cilolatis, petalis suboibicanbus erosulis. — Affinis *M. splndcmtt* DC. fit *M. obtusae* Schauer. — Cicsui in Surinam, in sjlvis prope planiat Bergendaal.
- § M OBTUSA Schauer, Lmnoea \\I. 273. + — Ramulis novelhs compressis et cum petiolis fusco-tomentellis, fol is distiche patentibus ellipticis vel obovato-ellipticis oblu-2s rotund itis subictusivc, basi acuta in pcliolum bieivissimum abeuntibus plants pergamcnnceis pellucido-punctatis venosis, ^enls citra mmarginem conflucniibus, adultis ^,hbiis, ulumiuc nitidulis, paniculis axillanbus solitams folium acquantibus aut cicedentibub nnilous glabns, ramulis patenlissimis tnflons, calycis lobis lotunditis, inleme maigineque villosis. — Sj>ccici nulli nisi *M ylatycladae*DC. propius accedre videtur — Crescit in arenosis pi ope Mauepaston Guianae Baiavae.
4. M CLUSIALFOLIA Miqu. Linnaea X\\II 533 + — Ramulis folnt.que adultis glabernmis, bib hie vel elliptico-oblongib, apice rolundatis, basi obtusis, rigidis crassis mar^imbus extenuato-aculalis incurvis, nervo medio ciasso supra sultato, subtus prominencle, venis plunmis sublionzontalibus prominulis, ante iiaigincni in nervum marginalrm coiifueniibus, petiolo crasso anlice canalitulato el acute maiginato glanduloso, paniculis teimnalibus geminis brachiads, junioubus fulvo-tomcniosis, floubus sessilibus, fiuclifciis parce puberulis, baccis sessilibus ^el bicvitri pedunculate glo* boso - uiccolatis, calycis tiuncau maigine alte coionalis. — Crescit in Brasilia.
- 5 M ALTCRMFOMA Miqu. I c 534 f — Folns plensque alternis. ramuorum prae-serlunn Honfeiorum tantum opposilis, brevilei petiolatis, cllipticis npice obtusis vel obo-\\ali6, apice lolundatis, omnibus fere einigmatis pellucijo-punclali^, maigimbus sub* iniunis, venuli> paiiallcis tenuibus, uliinque prominuli*. nastenlibus sublus versus basin pilosulis. pamtulis axillanbus folio Iongioibus, inmis oppo^itis, nifcrioiibu* \\ub^o 3-, lcliquis uniflous, talyti^ lobia obtuMi> concaws ciliolati^ — Piaeccdenti pirlium foima affinis, sod folns allcims usque minoiibus statim digno^cnda. — Cres* nt in Biasiltae provincia Minns Geraes.
- 0 M. FLORIBIMA Miqu I c 534. f — Ramis glabns, lamulis, pctiolis, folns subtus et inlloicisLentia (lu^co-) pubescentibus; folns modice petiolaii, lipucis vel obovato-ejlij ticib obtuse apitulatJb vel rotundatis, basi oblusis vel cuneatis. conaceis, adW supra glabns, COB\\UI& ulnnque 5—6 tenuibus, venulis pellucidis, per lentem supra mipresso-, subtus cle\\aio -punctuldilis. tbyrsi^ termmalibus \\el supeme axillanbus al terniramois, llonbus fasciculato-scsjjilibus, cahcis subgloboso-urceolati hnti int pubescends Iobi^ bicvibus — In Brasiliae prov. Minns Geraes
- 7 M RCTICLLOSA Miqu 1. c 794 f ~ Rami5 glabns ^ubcjlmdncis. lamulis, pctiolis folnsqub sublus in pncinn, supia in cosla pilosulis glabiesceulibui). folns oppositae bic\\itci petiolaiis o^aiis, apice lotundato- >el acutangulo-obtuM*, basi subcO4* \\u* \\i \\u^ ugidis, mar^iuibib incunis, supia nitidis, subtus co^ia cra^&a el veins suWu^

n/ontalibus ante marginem conjunctis croUroque reticulatis glandulisque instructis; tlnrsjs axillafibus oppositis soliarus, cum ramulis petiolisque nascentibus hirtellis lamis opposiUs, simplicibus vcl divisis, lamulis \ulgo tuflous, calycis tubo bievi obo- \ato glabro glanduloso, basi bracteolis duibus liiitis slipilo, lobi* rotundaiis conca- vis, utnnque pubciuhg ghndulosis ciliatis — Ciescit in Brasiliae provincia Dahia

- 8 M DLTERGCINS Mjqu 1. c 795 + — Innovaliombus rubiginoso-lurtellis, moi glabris, folns oppositis modicc pctiolatis, ellipticis ^cl ovato - ellipucis aitenuato - acuminatis (ncummc lecto oblusiusculo), bisi obtusiusculis, ngule conaceis, imrginibus planius- tulus utnnque glanduli* cxilibus haud pellucidis conspeisis, supia glabus, subtus spiise pilosulis, venis horizontalibus ante nniginem conjunctis piominulis tenuiter lecticuhlis thyrsis axillanbub teiminalibusquo biacluao-pyrnmidalis rufulo-hutis, flo- nhua densis saepe lunatim se<>silibus, calvcis den^c lurtelli lubo obconico, limbi lo- bis laic omniis acutiusculis, pctalis rotundaiis doiso mtdio puberuhg — Crescit in Harsnrae provincia Dahia

f loon addenda.

- M SYLVATICA DC Piodi III 244 no 14. — Miqu Sti||. Sunnam select 36 f t.9 A

6319. CALIPTRAXTHES SwKz.

(DC Piodr III 265 — Wlprs RepSrt. II 178 V. 752)

- 1 C MANGIFRIFOLIA Hance, PI nov Austr Chin, diagn inedit II 2 — Arboiescens folns oppositis lanceoldlo-oblongis, basi cuneatis, apice obtuse acuminatis, glabern- ms, obscure pellucido-punctatis, supia lucidis pennivcnus, costa sublus prominula, brcviter pctiolalis integernmis mflorescenliae ramulis pedunculisque tcliaqoms, cy- ms latralibus oppositis, folio bre\ioribus iterato-dicholomis, flonbus bibracteolatis, caljcis conspicuc pellucido-punctati lubo obconico, limbo clauso operculilormi, apice apiculato, sub anthesi circumscisso, lubo laleic adhacienlc, pelalis 4 albidis cum ca- l^is limbo caducis stiminum indeflmlorum filamentis (vornationo inclmiliva) cnpilla- nbus deciduis, sljlo subuhto peisislenle, ovau biloculans loculis pluii\ulatis, bac- c^s oblon^o-subglobosis, npicc circulariicr c\cavali> slyloque superalis, malunlato nigio-purpurcis, magmludine et quodammodo specie Cciasi Juhanac monospcimis, sciiunc oblongo, intus soidide purpureo, iccli membianneca, tohledonibus ciassis si- nuito-conloitis, plumula radicaque subacqualibus disimctis — Foln 6—9 poll, tonga (incl petiolo Yi—1 - poll). (lores lutcoli, c\mac ^—3 poll longac Baccae cdules gratae acidulae — Sjiecimiin pauca repcnunlur culta in msula Hongkong Chi- ncsnrae, verosimiiter a Lusitanorum colonia Macao, cl illuc e Diasilia aJlata.

6320. SYZYCIUJH Grin,

(DC. Prodr III 259 — Wlprs Repert II 178. ft 933 V 752, Annal I 314)

- 1 S OWARIENSE Bntb in Hook Niger Flora 359 — *Eugenia Owancnsis* Palis Beauv II Otr II 20 t 70 — *Jamboia Owancnsis* DC. Prodi III 287.
- 2 S Ar GICLROIDKS KrtbN Nederlandsch kuudkundig Ai chief I pag 203 no 2 — lolm oblongo-obovata obtusiusculn, basi cuneata conacea, pedunculi a\illares confem, apice b— 8-flon, fructus globosi — Crescit in msula Borneo pi ope Pocloe- 1 impei, Mariapocra
- 3 S PATLNS Krlhls 1. c pag 203 no 3 — Folia oblongo-ovalia acua basi obtusms- tula cojjnibi axillaics pitenies, alnbastrn mucionulata — (iesut m m&ulac Sumatia Svlvns pi ope Dockoe

4. S. MAR GIN ATOM Krlhls. 1. o. pag. 203. no. 4. — Folia ovali-oblonga acuminatissima, basi cuneata venosa; corymbi terminales; pedunculi triflori; calyces basi allenuati saepe clavarii. — Crescit in insulae Sumatra sylvis Melintang.
5. S. LEUCOXYLON Krlhls. 1. c. pag. 203. no. 6. — Cortex grhcus vel cinereus; folia pcliolata, late ovalia, obtuse ncuminata, basi acuta, margine rccurva, subtus llavscemia reiiculato-vcnosa; flores corymbosi, ante nmlhesin formam coni reversi exhibentes. — Crescit ad insulae Borneo moment Pamatton.
6. S. TESSELATUM Krlhls. I. cit. no. 7. — Folia oblonga aculiuscula, basi acula. icnuissime parallelo-venosa; inflorescentia tcrmmalis corymbosa, corymbi conferti; l'rucus ovaies. — Crscil in sylvis monlis Pamatton insulae Borneo,
7. S. CAMPANULATUM Krlhls. 1. c. pag. 203. no. 8. — Folia elliplica acutiuscula, basi acuta, parallelo-venosa; infloroscentia terminalis corymbiformis; calyx globoso-campanulatus, limbo undulato. — Crescit in monte Prarawin insulae Borneo.
8. S. RUGOSUM Krlhls. 1. c. pag. 204. no. 9. — Folia ovata, obtuse acuminata, supra lucida et imprcso-punctata, subtus minute tuberculata; paniculae minutae axillares confertae; ovaria oblonga laevia (in *S. Zeylanico* tuberculata.) — Crescit ad insulae Borneo ripas Karrau.
- i). S. VALIDUM Krlhls. I. c. pug. 204. no. 10. — Folia subsessilia ovata, breviter et obtuse acuminata, cordate, nervis parallel's; corymbi terminales; calyx subglobosus, limbo quadrilobo. — Crescit in insulae Sumatra sylvis Melintang.
10. S. COMCUM Krlhls. 1. c. pag. 201. no. 16. — Folia elliptica, breviter et obtuse acuminata, basi acula parallelo venosa, venis approximatis; corymbi axillares pauciflori; calycis clavati limbus constrictus quadridentatus. — Crescit in insulae Borneo monte Paujaun.
11. S. OVALE Krlhls. 1. c. pag. 205. no. 18. — Folia subsessilia ovata obtusiuscula, basi rotundaia, saepe subcordata, subtus punctata; flores terminales, ternati. — Crescit ad insulae Borneo monies Pamalton et Sakocmbang.
12. S. UMBELLATUM Krlhls. 1. c. pag. 205. no. 20. — Folia obovnlia obtusiuscula, basi cuncQtd, vonosa; corymbi lcrminules divaricali; alabastra clavata; limbus calycis quadrideniiculaius. — Crescit in insula Borneo prope Marlapoera.
13. S. OBOVATUM Krlhls. 1. c. no. 20. — Folia obovalia oblusiuscula, basi cuneata venosa; corymbi terminales divaricati; alabastra clavata; limbus calycis 4-denticulatus. — In insula Borneo prope Martapoera.
14. S. KALAIHENSE Krlhls. — Folia oblongo-obovalia, obtusa aut acutiuscula, basi cuneata, parallele vonosa; paniculae axillares; calycis pateriformis limbus integerrimus, — Crescit ad insulao Borneo laqum Kalahien.

6322A. CHELIPKEA *Blume*.

(Blume, Mus. bot. Lugd. Bat. p. 88.)

Calyx tubo cum ovario connaio campanulato v. obconico, basi non* nihil constricto, fauce ultra ovarium producta, limbi breviter quadrifidi lobis in praefloratione valvatis. Petala 4 summae calycis fauci inserta. Stamina plurirna, fauci pluriseriatim inserta, filamenta iiliformia libera» antherao biloculares, dorso insertae, longiludinaliter dehiscentes. Ovarium inferum biJoculare, oophoris e medio dissepimentorum porrecti^ multiovulalis. Stylus iiliformis, stigma acutum. Bacca subglobosa, corticata, calycis limbo coronata, aborlu 2—6-sperma. — *Arbuscuia**

in Archipelago Indico et Moluccis crescentes: ramulis hinc illinc squamulis s. vestigiis stipularum oppositarum instructis, pube subtilissima adspersis; foliis oppositis brevissime petiolatis integerrimis membranaceis, pellucido-punctatis glabriusculis arcuato-venosis; racemis terminalibus, elongatis laxis, ramis brevibus subtrifloris.

1. G. PENDULA Blume 1. c. no. 217. f — Ramulis teretibus; racemo nutante folio multo longior. — *Eugenia? pendula* DC. Prodr. III. 284. — Java.
2. G. STIPULARIS Blume 1. c. no. 218. f — Ramulis tetraSris; racemo rectiusculo foliorum longitudine. — *Myrtus stipularis* Zipp. mss. — Amboina.

6323. EUGENIA Linn.

(DC. Prodr. III. 262. — Wlprs. Repert. II. 181. et 933. V. 752, Anna). I. 315.)

- *. EU. FASCICULATA Wall. Catal. no. 3622. — Blumae. Mus. botan. Lugd. Batav. 87. no. 216. f — Ramulis, pedunculis calycibusque ferrugineo-pubescentibus; foliis breviter petiolatis lanceolatis v. oblongo-lanceolatis acuminatis, basi angustatis coriaceis. supra avenis, subtus tenuissime venulosis opacis glabris, nascentibus sericeis; pedunculis 1-floris fasciculatis v. racemosis axillaribus petiolum adaequantibus; calycis lobis ovato-rotundatis ciliatis parum inaequalibus. — In India orientali.
2. EU. CALYCATA Benth. in Hooker, Niger Flora 358. f — Ramulis glabris; foliis ovatis ellipticis, oblongisve, basi acutis, breviter petiolatis glabris nitidis; pedunculis in axillis superioribus unifloris folio brevioribus, apice bibracteolatis; calycis tubo hemisphaerico lomentoso, lobis umplis orbicularibus glabris. — Crescit in Africa tropica occidentali (Nigritia).
3. EU. MEMECYLOIDES Benth. 1. c. 359. f — Glabra: ramulis compressis; foliis amplis oblongis acuminatis, basi acutis breviter petiolatis; pedunculis petiolo brevioribus axillaribus congestis unifloris ebracteolatis; bacca depresso-globosa. — Crescit in Africa tropica occidentali (Nigritia).
4. EU. MAROWYNENSIS Miqu. Slorp. Surinam, select, p. 39. f — Glabra: ramulis subtetragonis; foliis breviter petiolatis oppositis distichis oblongo-lanceolatis, utrinque acutis, margine leviter revolutis, coriaceis, subtus (in sicco nigro-) punctatis, venis oreo-patulis, distantiioribus ante marginem unitis; floribus axillaribus et supraaxillaribus 3—4, brevissime pedicellatis; calycis tubo obconico demum obovoideo, basi bibracteolato, lobisque ovatis glandulosis; stylo stamina longe superante flexuoso, flore ter quater longiore. — Crescit in Surinam secus flumen Marowynne.
5. EU. TENUIRAMIS Miqu. 1. c. f — Glabra: ramis teretibus; ramulis tenuibus subcompressis nitidis; foliis oppositis distichis petiolatis elliptico-lanceolatis attenuato-acuminatis, basi acutis, subobliquis pergamaceis, supra nilidis, subtus pallidis nigropellucido-punctatis. costa colorata, venulis tenuissimis subpatulis; floribus axillaribus et e medio internodio aut absque pedunculo communi aut e tali brevi bractealo pedicellatis, vulgo 5—6; pedicellis petiolum superantibus vel aequantibus; calyce breviter campanulato basi bibracteolato, limbi lobis quatuor lobum aliquid superantibus, duobus majoribus ovatis petalisque glandulosis; stylo staminum longitudine basi apiceque tenuato curvato. — Crescit in Surinam in partibus regionum interiorum ad Surinam.
6. EU. SCHAUERIANA Miqu. I. c. 41. f et Linnaea XXII. 174. f — Glaberrima: foliis oppositis membranaceis, subtus sparse vix pellucido-punctatis, margine incurvulis longis, in acumen modicum hinc obtusum desinentibus, basi cuneata in petiolum intermedium glandulosum, demum rimosum contractis, venis subpatulis subtus vix distinctis; hyrsis axillaribus et terminalibus longe pedunculatis gracilibus, ramis paucis

- oppositis, inferioribus apice trifloris (More medio sessili), superioribus unifloris; calycis lobis orbicularibus subinaequalibus glaberrimis. — Crescit in Surinam.
7. EU. CERASIFLORA Mku. Linnaea XXII. 793. f. -*. Ramulis terciusculis infra folia compressis cum petiolis pedunculisque pilis raris semipatulis conspersis glabrescentibus; foliis oppositis breviter petiolatis ellipticis vel obovato-ellipticis obtuse apiculatis, basi acutis vel subcuneatis, marginibus incurvulis membranaceis glabris pellucido-punctatis, venis pluribus parallelis erecto-patulis ante marginem conjunctis prominulis, pedicellis e pedunculo axillari valde abbreviato bracteato birtello 3—6-nis, peliolo ter qualicqu longioribus; calycis tubo brevi obovato glabro, basi bracteolis duabus ovatis incano-birtellis exilibus stipato, lobis quatuor inaequalibus, 2 minoribus, 2 duplo longioribus, obtusis membranaceis glabris, apice ciliolatis, — Crescit in Brasiliae provincia Babia.
8. EU. ACUTATA Miqu. 1. c. 535. f. — Ramulis foliisque junioribus sul)tus subsericeo-puberulis, bis peliolatis lanceolato-oblongis lanceolatisque acute vel oblusiuscule acuminatis, basi acutis vel attenuatè, supra nitidis glabris pergamaceis, obsolete pellucido-punctulatis, venulis parallelis supra prominulis ante marginem in nervum tenuissimum confluentibus; racemis axillaribus plerumque 6-floris; pedunculis partialibus communem superantibus, folio plus dimidio brevioribus cum calyce profunde quadri-lobo tomentellis. — Crescit in Brasiliae provincia Minas Geraës.
- J. EU. RAMIFLORA Miqu. 1. c. 536. -) — Ramulis foliisque nascentibus pube densa tenerrima cinerascens cito glabratis; **foliis** modice petiolatis lanceolatis vel praesertim junioribus spathulato-lanceolatis obtusis vel obtusiusculis, deorsum angustatis, venulis subobtectis, adultis glaberrimis glanduloso-punctulatis; floribus ad ramorum axillas defoliatas fasciculatas sessilibus vel breviter pedunculatis; bracteolis 2 ovalibus concavis; calycis glabri lobis oblongis obtusis viridulis glabris glandulosis; pelalis glabris. — Crescit in Brasiliae provincia Minas Geraës.
10. EU. GAYANA Barneoud in Gay, Histor. de Chile (Dot.) II. p. 390. + — Arbor multipedalis ramosa: ramis plurimis, junioribus pubescentibus; foliis oppositis parvis ovatis* integerrimis opacis coriaceis acutis, supra nitidis, subtus puberulis punctatis; floribus albis solitary's quadriidid; pelalis 4, rotundatis ciliolatis; calyce ciliolato; pedunculo folium aequante vel superante; bacca biloculari nigra 2—3-sperma. — Habitat in Chile.
11. EU. MARITIMA Barneoud in Gay 1. c. p. 391. f. — Frutex ramosus multipedalis fulvo-pubescentis: foliis latis ovato-ellipticis oppositis, breviter petiolatis aureo-fulvis, utrinque puberulis obtusissimis; floribus axillaribus, solitariis vel raro geminis albis; p⁸ dunculis folio duplo brevioribus pubescentibus; calyce quadrifido piloso; **pectalis** 4; bacca pubescenti 2—3-loculan, loculis monospermis. — Habitat in Chile.

f **Icon addenda.**

EU. BRASILIENSIS Lam. — (DC. Prodr. III. 267., no. 35.) - Hook. Botan. **Magaz.** tab. 4526.

6324. JAMBOSA Rmph. •

(DC. Prodr. III. 286. — Wlprs. Repert. II. 191.)

Sect. I. GENUINAE.

- i. *J. DOMESTICA Rmph. — DC.-1. c. 288. - Blume, Mus. hot. Lugd. Bat. 91. no. 22*« + *
/. *purpurascens* DC. 1. c. 286. — J. *Malaccensis* DC. 1. c. — Wlprs. Repert. H. ^{191.}
no. 1 — Hook. Bot. Magaz. tab. 4408. — Van Houtte, Florc des serres V. **tab. 429.**

p. *minor*: fructibus albicantibus minoribus.

y. *rosacea*: fructibus roseo-variegatis.

5. *Calopporia*: fructibus maximis niveis.

C. *nigra*: fructibus pyriformibus atropurpureis.

£. *purpurea*; fructibus ellipsoideo-globosis atropurpurascensibus. — *J. purpurea* Wglu. & Arm — Wlprs. Repc[^] II. 191. no. 5.

2. J. PEREGRINA Blume 1. c. 92. no. 223. f — Ramulis uliimis compresso-teretibus; foliis oppositis elliptico-oblongis v. oblongo-lanceolatis, utrinque subacutis v. angustalatis, rarissime obtusis venulosis (Venulis juxta marginem arcuato-anastomosantibus) coriaceis firmis impellucidis, subtus parce lepidotis; cymis lateralibus solitariis v. confertis brevibus p. iuci- v. corymboso-mullifloris, pedicellis subtrifloris; calycis tubo turbinato, basi attenuato, limbi 4-fldi lobis 2 externis minoribus. — In Archipelago Indico.

3. J. CORNIFOLIA Blume 1. c. no. 224. f — Ramulis uliimis teretiusculis; foliis oppositis breviter petiolatis ellipticis v. elliptico-lanceolatis, utrinque acuminatis venosis membranaceis semipellucidis; corymbis lateralibus divaricatis, ramulis subtrifloris; calycis tubo turbinato basi attenuato glanduloso-punctato, limbi 4-fldi lobis 2 externis minoribus. — In insula Celebes.

4. J. PALEMBANICA Blume 1. c. 93. no. 226. + — Ramulis ultimis obsolete tetragono-compressis; foliis oppositis breviter petiolatis oblongo-lanceolatis, utrinque angustalatis, subtus tenuissime reticulato-venulosis coriaceis impellucidis; corymbo terminali laxi-Horo; calycis tubo abbreviato-turbinato, limbi 4-fldi lobis subaequalibus. — In insula Java.

5. J. (SYLVESTRIS) ALBA Rumph. Hb. Amb. I. 127. tab. 39. — Blume 1. c. 94. no. 228. f — Ramulis uliimis teretibus; foliis oppositis breviter petiolatis ellipticis, utrinque acutis v. apice obtusis venosis membranaceis semipellucidis; pedunculis axillaribus et terminalibus subcorymbosis laxis paucifloris folio multo brevioribus; calycis tubo obconico, basi attenuato, limbi 4-fldi lobis inaequalibus; fructibus turbinato-globosis profunde umbilicatis lobisque calycinis incurvis coronatis. — In insulis Moluccis.

6. J. SAMARANGENSIS DC. 1. c. 286. — Blume 1. c. 95. no. 229. f — Ramulis ultimis teretibus compressis; foliis (majusculis) oppositis brevissime petiolatis v. subsessilibus ovalibus v. elliptico-oblongis obtusis v. obtuse acuminatis, basi obtusis v. subcordatis venosis subcoriaceis impellucidis; corymbis laxis terminalibus et axillaribus folio dimidio brevioribus, ramis subtrifloris; calycis tubo obconico, basi attenuato, limbi 4-fldi lobis parum inaequalibus; fructibus turbinato-globosis profunde umbilicatis lobisque calycinis incurvis coronatis. — *Jambosa alba* W. at Am. — Wlprs. Report. II. 192. no. 10. — j. *macrophylla* DC. 1. c. (ex p.)

?• *microcarpa* Blume 1. c. — Foliis (interdum minoribus) superne angustatis, basi obtusis, subtus griseo-virescentibus; fructibus minoribus. Hassk. Cat. Hort. Bog. P. 261.

Y> *obturissima* Blume 1. c. — Foliis (minoribus) obtusis, subtus pallide viridibus; corymbis breviter pedunculatis v. subsessilibus; fructibus minoribus. — *Jambosa? obtusissima* DC. 1. c. 287. *

5. *amplexicaulis* Blume 1. c. p. 96. — Foliis (minoribus) obtusis saepe amplexicaulis; corymbis lateralibus et terminalibus breviter pedunculatis; fructibus subglobosis. — j. *amplexicaulis* DC. 1. c. 287. — Wlprs. Report. II. 192. no. 9.

e. *heteromorpha* Blume 1. c. — Foliis (passim minoribus) oblongo-lanceolatis basi subcordatis et interdum amplexicaulis. — In India orientali.

7. J. AMBIGUA Blume 1. c. 96. no. 230. f — Ramulis ultimis teretibus compressis; foliis oppositis brevissime petiolatis oblongo-lanceolatis acuminatis obtusis v. obtusiusculis, basi obtusis v. rotundatis v. subcordatis, rarissime acutis, subtus reticulato-venulosis subcoriaceis impellucidis; corymbis axillaribus et lateralibus folio multo brevioribus

- densis, ram is tnflom, calycis tubo obconico basi attenuato, lmbi 4-fldi lobis 2 exlcrms minoi MUS — *Lugerna Malaccenus* Reinw mss — *Myitm Jaiana* Krthls. — Jwa.
- 8 J TniORI [NSIS Blume 1 c 97 no 231 f — Ramdis uliimis torcti-comprossis folns opposiis hi oiler peiiohus oliiplicis v tllipuco-oblongis v oblon^o-lanteolatis, utun-(jio obtusiiistubs v babi sicpius acutis subtus rcliculalo-venulosK subcc^naceis impellucidis c on ID In s axillanbiis larissimo terminalibus fo#> mullo brevtonbus Iaxis, ramis lulloiis cnhcis lulio obconico. bnsi nlicnualo limbi 4-fldi loins 2 cMcims mullo m»-notihu* fiii(tibus uiibiiiiio-gloliosi* loins, ciljcinib toionalis — *J. bamaiangen*&n Dent (ncc DC) — *Myilus limoiensn* /ipp mss
- P *lanfloia* folns (mijonbus) oblongo-lanceolatis obluso acummilis, conmlus in IIOI tu* liMgis Imflous — In msuli Timor
- 1)) (NAL1F0IIA Bliimo I c 99 no 232 j- — Rdinuhs uliimis leiclibui, folns oppo-siis brevi^siinc pciolalis ovilibus, ulnnque lutundatovobulus ^enosis comccis impcl-luculis coijmho icimmali longe pdunculato divaricilo, lamis ex apicc Iriflon* ci-ljtis tubo tuibinalo basi slipiiifonni-atlenuato, limbi 4-fldi lobis 2 c\lomis mullo mi-uoribus — *Myitub aunculata* /ipp mss — In Nova Guinea
- 10 J MI DIA Korllils Nedcil kruulk Arch. 1847 p 199 — Blume 1 c. no 233 f — Ramulis ultimis subtnngoms folns opposiis termsve brevissimo pctiolalis Iano«olali9 utunquc an^usaiis subtus ieiiculato-\cnosis (venisjuxia maig-incm arcuato-anastomo-s inulius) corntLis In mis impellucidis rncens loiminalibus et axilhnbus sessilibus sulx omnljusj^ 5- v mullillons, perinellis uniflons caljcis lubo tuibinato, basi longe ciUciiiatu, limbj 4-fldi lobis 2 exicrms minonbus — In insula Boineo
- 11 J LrprOSTAIUYA Blume 1 c 99 no. 234 f — Ramulis* uliimis compresso-tereli-bus foliib opposiis bicviter pciolalis lanceohto-oblongis, utnnque angustitis venosis (venis biibtub ttnuissime t'cliculalis, juxta margmes aicuato-confiuenlibus) subcoiidccis mpellucidib necmis teimimlibus et lateralibus simplicibus bievibus pauciflorib caly-cis lubo luibnnlo, bisi attenuato, lunbi 4-fldi lobis 2 externis minonbus.— In Aichi-polago ludico
- 12 J AEMULA Blume 1 c no 235 f — Ramulis ultimis terecti-comprossis v sablnquc-lus folns oppobitib v terms bicvissune pctioldlis lantcolato-oblongis acuminaiis, basi acutis i obiusiusculis venosis (\cnis sublus lenuissime rolicuhlis, infra margmemar-cuaio - anasioinosantibus) membianaceis impellucidis racemis lermmalibus solitauis geminis icims\c bievibus densiflons, calycis lubo tuibinalo, limbi sub-8-fldi lobis in-dequdlibus, exlciiis bicvionbus — In Java occidentals
- 13 J COARCTATA Blume 1 c no 236 f — Ramulis ultimis tercubus v obsolete tetra-gonis folns (pattsim majusculis) oppositis subsessilibus di^liclus ovno-v oblongo-lan-ttohtib obtuse atumindtis, bast subcordatis venosis (venis sublus laxc rcticulalis, infra nm^inun iicuaio-anasiomosdiubiis) comccis impellucidis, racemis sobtarns confer-usve icimnalibus et interdum avillaiibus brevibus coarciatis pauciflons flonbus bre-vissime peditellalis tahcis tubo turbmalo, limbi sub-8-fldi lobis inacqualibus, exie-uonbus bie\ionbu> Iruclibus globosis lobis 4 majonbus calycis coronatis —
- P *fit ma* folia minonbus Hums — *J. hypenct folia* Korthls Herb (ex pane) — In insula Sumalia
- 14 J INSIGMS Blume I. c 100 n6 237 f — Ramulis ultimis quadiangularibus, *fohis* opposiis breMSsime pciolalis subdiiiclus ovato-oblongis v lanccolatis longe acumina'' les, bail subcordiib v obtusis \enosis (venis trans ver sal ib us in nervum infra mat gina* lem conluentibus) coiidecio impellucidis, lacemis 1-3 terminaUbus et in axillis soli* tarns bievibuspaucifloris*. flonbus longepedicellatis caljcis tubo turbinaio, limbi 6^8 fidi lobis inacqualibus exieiiionbus bievionbus deciduis. — / *lanceulala* Krthls Ne-dcil kiuidk Arch 1847. p 109 (ex p) — In insula Boineo
- 15 J. K0CMGII Blume 1. c no. 238. f — Ramulis ultimis compivso - telragoms *argute* niarginaiis, loins opposiis bievissime peliolatis subdistichis lanceolalo-oblongw. *ultra*

- que obtusis v. apice obtuse acuminatis venosis (venis subtus obsolete reticulatis, infra marginem arcuato - anastomosantibus) membranaceis semipellucidis; racemis solitariis confertisve terminalibus et in axillis solitariis brevibus paucifloris; floribus breviuscule pedicellatis; calycis tubo turbinato, limbi 6—8-fidi lobis inaequalibus, exterioribus brevioribus deciduis. — In Zeylahia insula.
16. J. KORTHALSII Blume 1. c. 101. no. 239. f — Ramulis ullimis compresso-tetragonis argute marginatis; foliis (majusculis) oppositis brevissime petiolatis subdistichis linearilanceolatis longe acuminatis, basi cordatis venosis (venis in nervum crassum infra-marginalem junctis) coriaceis impellucidis; cyma terminali paucillora: calycis tubo turbinato, basi attenuato, limbi 4-fidi lobis ovatis oblongis inaequalibus. — *lanceolala* Kribbs. 1. c. (ex p.) — In insula Sumatra.
17. J. COINFUSA Blume 1. c. no. 240. + — Ramulis ullimis tetragonis submarginatis; foliis (majusculis) oppositis brevissimo petiolatis subdistichis linearilanceolatis longe acuminatis, basi subcordatis venosis (venis subtus laxe reticulatis, infra marginem arcuato-anastomosantibus) coriaceis impellucidis; racemo terminali brevi simplici paucifloro; calycis tubo turbinato, limbi 4-fidi lobis inaequalibus. — In insulis Java et Sumatra.
18. J. LITORALIS Blume 1. c. no. 102. uo. 242. f — Ramulis ultimis teretibus; foliis oppositis breviter petiolatis lanceolatis obtuse acuminatis, basi angustatis venosis charlaceis impellucidis, subtus griseo-virescentibus. — In sylvis maritimis Javae occidentalis.
- *9. J. MELASTOMAEFOLIA Blume 1. c. no. 243. f — Ramulis ultimis tereti-compressis; foliis oppositis brevissime petiolatis distichis ellipticis obtusis v. breviter obtuse acuminatis, basi obtusis v. rotundatis transverse venosis (anastomosi venulorum duplici a margine femota) subchartaceis opacis v. semipellucidis glabris; pedunculis axillaribus solitariis elongatis 1-3- v. rarissime corymboso-paucifloris; calycis tubo clavato in pedicellum attenuato verruculoso-punctato, limbi 4-fidi lobis 2 externis minoribus; fructibus turbinato-ellipsoideis lobis calycis incurvis coronatis. — *Myrtus melastomaeifolia* Zipp. mss. — Habitat in montibus Amboinae.

Sect. II. *CEROCARPUS* Blume, Mus. bot. Lugd. Batav. p. 102.

Calycis tubus turbinato-ventricosus, basi constrictus, limbo vegeto-persistente, lobis praefloratione minus distincte imbricato-alternativa, in Jambosi* genuinis, staminibus styloque ut in illis elongatis, lobis obtusiusculo. Fructus succulenti, edules saepe 3—6-spermi. (Wlprs. Repert. V. 756.)

20. J. AQUEA Rumph, Herb. Arab. I, 126. tab. 38. fig. 2. — DC, Prodr. III. 288. — Wlprs. Repert. V. 756. no. 2. — Blume 1. c. 102. no. 244. f — Ramulis ultimis tereti-compressis; foliis oppositis subsessilibus ovalibus oblongisve obtusis vel interdum obtuse acuminatis, basi subcordatis venosis (anastomosi venarum simplici vel subduplici) chartaceis impellucidis; racemis axillaribus et terminalibus solitariis laxis 3—7-0-oriis pedunculatis; calycis tubo ventricoso turbinato, basi attenuato, limbi 4-fidi lobis subaequalibus; fructibus depresso-turbinatis (corosis profunde umbilicatis lobisque calycis conniventibus coronatis 3—6-spermiis. — *Cerocarpps aqua* Hssk. — Wlprs. Repert. V. 756. no. 1.

P- *limbata*: foliis vulgo majoribus; fructibus albis, circa basin et umbilicum incarnatis.

y* *angustifolia*: foliis lanceolatis vel elliptico-lanceolatis (anastomosi venarum simplici margini approximata); racemis saepe foliatis. — In Archipelago Indico.

21. J. MADAGASCARIENSIS Blume 1. c. 103. no. 245. f — Ramulis ullimis tereti-compressis; foliis oppositis sessilibus cordato-ellipticis obtusis, basi amplexicaulibus*

transverse venosis (anastomosi venarum duplici a margine remota) coriaceis impellucidis; ramulis terminalibus solitariis geminis ternisve laxis paucifloris; calycis tubo ventricosissimo, basi longe attenuato, limbi 4-fldi lobis inaequalibus. — In Madagascaria habitat.

22. J. AURICULATA Blume 1. c. 104. no. 246. f — Ramulis ultimis compresso-teretibus; foliis (majusculis) oppositis sessilibus cordato-oblongis acuminatis, basi amplexicaulibus costato-venosis (venis in nervum crassum inframarginalcm confluentibus) coriaceis impellucidis; corymbo terminali sessili tricholomo; calycis tubo turbinnio, basi longe attenuato, limbi 4-fldi lobis 2 externis minoribus; fructibus obconicis calycis lobis persistentibus incurvis coronatis. — *Myrtus auriculata* Zipp. — Habitat . . . ?
23. J. LAETA Blume 1. c. no. 247 f — Ramulis ultimis tereti-compressis; foliis oppositis subsessilibus anguste lanceolatis, utrinque angustatis vel obtusiusculis venulosis coriaceis impellucidis; corymbo terminali laxo paucifloro, ramis subtrifloris; calycis tubo turbinalo-globoso, basi stipiliformi-constricto, limbi 4-fldi lobis rotundatis subaequalibus. — *Eugenia laeta* Hamilt. — *Jambosa linearis* Krthls. Nedcr. kruidk. Arch. 1847. p. 199. — In insulis Archipelagi Indici et in Moluccis.

Sect. III. *PORPHYROSA* Blume 1. c. p. 105.

Calycis lobus turbinato-ventricosus, basi attenuatus v. constrictus, limbi lobis in alabastris junioribus praefloratione imbricato-alternativa, sub anthesi valvari.

24. J. COMMERSONI Blume 1. c. p. 105. no. 248. f — Ramulis ultimis tereti-compressis; foliis oppositis brevissime petiolatis oblongo-lanceolatis obtuse acuminatis, basi obtusis, supra subaveniis, subtus reiculato-venulosis coriaceis impellucidis; corymbo terminali laxo trichotomo paucifloro; calycis tubo turbinalo-globoso, basi stipiliformi-constricto, limbi breviter 4-fldi lobis inaequalibus. — Habitat in insula Sti. Mauritii.
25. J. CUNEATA Blume 1. c. no. 249. f — Ramulis ultimis teretibus; foliis oppositis breviter petiolatis cuneato-oblongis acutis vel obtusis transverse venulosis coriaceis impellucidis; corymbis axillaribus et terminalibus laxis trifloris; calycis tubo ventricosissimo-turbinato-globoso, basi attenuato, limbi 4-fldi lobis subaequalibus. — In sylvis montanis Archipelagi Indici.
26. J. RUBENS Blume 1. c. p. 106. no. 250. — Ramulis . . . ; foliis oppositis et subalternis breviter petiolatis lanceolatis obtusis transverse venulosis rigidis nitidis; paniculis terminalibus, divisionibus paniculae ultimis saepe umbellaeformibus. — *Eugenia rubens* Rxb. — Wiprs. Repert. II. 160. no. 21. (excl. syn. Wggt.) — In India orientali.
27. J. WIGHTIACA Blume 1. c. no. 251. f — Ramulis ultimis teretibus; foliis oppositis et subalternis breviter petiolatis lanceolatis. utrinque angustatis transverse venulosis rigidis nitidis; paniculis terminalibus corymbosis folio paulo brevioribus, divisionibus paniculae ultimis subumbellaeformibus. — *Eugenia rubens* Wggt. Icon. tab. 630. (nee Rxb.) — In sylvis ad Merguijn India orientali.
28. J. TAWAHEINSIS Korthls. 1. c. p. 202. — Blume 1. c. no. 252. f — Ramulis ultimis tereti subtrigonis; foliis (majusculis) oppositis et alternis breviter petiolatis oblongo-lanceolatis acuminatissimis, basi acutis transverse venulosis coriaceis impellucidis nitidis; paniculis axillaribus foliorum lapsu in paniculam terminalera laxam foliis multo brevioribus dispositis. — In Borneo.

Sect. IV. *ASCOJAMBOSA* Blume 1. c. p. 106.

Tubus calycis campanulato-urceolatus, subtetragonus, ima paululu? modo attenuatus, limbi hinc in fructu vegeto-persistentibus; stamini-

nibus styloque minus elongatis quam in *Jambosis* genuinis. Fructus majusculi globoso-tetragoni, pericarpio crasso exsucco.

29. J. TETRAGONA Blume J. c. p. 106. no. 253. f - Ramulis ultimis subtetragonis; foliis oppositis ellipticis vel oblongo-lanceolatis breviter obtusiuscule acuminatis, basi subacutis venosis (venis subparallelis, infra marginem arcuato - junctis) subcoriaceis impellucidis; fructibus brevissime pedunculatis lenninnibus subglobosis latissime umbilicalis calycis laciniis incurvis coronatis. — In Java occidentali.
30. J. GELEBICA Blume 1. c. p. 107. no. 254. f — Ramulis ultimis tereti - compressis; foliis oppositis elliptico - oblongis, utrinque angustatis venosis (venis infra marginem arcuato - confluentibus) coriaceis impellucidis; pedunculis lateralibus brevibus paucifloris; floribus brevissime pedicellatis; calycis tubo subcumpānulo, limbo patellaeformis breviter 4-fldi lobis subacqualibus. — An *Biawas Macassarensium* Rumphii, Herb. Ami. I. p. 128? — In insula Celebes.
31. J. KIGURRUNG Blume 1. c. no. 255. f — Ramulis ultimis subtetragonis; foliis oppositis lanceolatis oblongisve, utrinque acuminatis, rarissime ad apicem obtusatis subvenosis (venis ad marginem arcuato - conjunctis) coriaceis impellucidis. — Habitat in insula Java occidentali*.

Seel. V. *STEKROJAMBOSA* Blume J. c. p. 108.

Calycis tubus subturbinatus, basi nonnihil attenuatus, limbi decidui lobis praefloratione manifeste imbricato-alternativa; staminibus styloque satis elongatis; stigmate simplici. Fructus globosi, calycis tubo constricto coronati, monospermi.

32. J. GRANDIS Blume 1. c. p. 108. no. 256. — Ramulis ultimis compresso - teretibus; foliis (majusculis) oppositis ellipticis abrupte acuminatis, basi subacutis transverso parallelis-venosis (venis supra impressis sublimbus prominentibus) coriaceis firmis impellucidis nitidis; paniculis corymbosis axillaribus et terminalibus; floribus in divisionibus paniculae subcapitalis; calycis tubo subturbinato, limbi 4-fldi lobis parum inaequalibus; fructibus globosis calycis limbo constricto truncato coronatis. — *Syzygium grande* Wlprs. Repert. II. 180. no. 25. (cum synonymia).
(i- *urceolata**; foliorum venis lateralibus minus patentissimis subarcuatis; paniculis brevioribus. — *J. urceolata* Krthls. 1. c. p. 202. — In India orientali.
33. J. FIRM A Blume 1. c. no. 257. f — Ramulis ultimis teretiusculis; foliis (majusculis) oppositis ellipticis acuminatis, basi subacutis transverse parallelis-venosis (venis utrinque prominulis et obsolete reticulatis) firmis impellucidis nitidis; paniculis congestis axillaribus et terminalibus; floribus in divisionibus paniculae subcapitalis; calycis tubo turbinato, basi attenuato, limbi 4-fldi lobis 2 externis multo minoribus. — *Eugenia fir** Wall. Catal. no. 3603. — In India orientali (Gilbet, Borneo).

‡ *Species quoad sectionem dubias.*

34. J. MEDIA Kthls. Nederl. kruidk. Arch. I. p. 199. no. 3. — Folia oblongo-lanceolata acutiuscula venosa, superiora internodiis verticillata; in quorescentia terminalis, simpliciter racemose. — Crescit ad Riam Arenawe* insulae Borneo.
35. j. PTEROCAULIS Kthls. 1. o. p. 200. DO. 5. — Ramulorum anguli olali; folia oblongo-ovata acuminata, basi cordata, utrinque glabra; inflorescentia corymbosa terminalis; ^{ca}Jyi oblongo-urceolatus, limbo quadridentato. — Crescit ad montem Bahay insulae Borneo.

36. *J. IIIITA* Krlhls. 1. c. n. 200. no. 6. — Ramuli hini; folia oblongo-ovaia, brevier et oblusc acuminatn, basi subcordula, nervo mediano scligero; inflorescencia lorininalis uorymbosa fusco-hirla. — Crescit pi ope Uanjoewiran et ad monleni Sakocinbang insulae Borneo.
37. *J. MAPPACEA* Krlhls. 1. cit. pag. 200. no. 14. — Folia subsessilia obovall - oblonga venosa; racemi axillares simplices pauciflori. — Crescit in cullis Banjarmasining insulae Borneo.
38. *J. PURPUREA* Krlhls. 1. c. pag. 201. no. 17. — Folia obovata neutn, basi cuneala, venis remote parallelis; corymbi terminates pauciflori. — Crescit in sylvis Melingiang insulac Sumatra.
39. *J. GLANDULOSA* Krlhls. 1. c. p. 201. no. 20. — Folia ovali-oblonga, obtuse acuminata, basi acutiuscula biglandulosa, nervis parallelis, nervulis reticulatis; inlorescencia racemoso-corymbosa"; calyx hupocrateriformis.— Crescit in sylvis montis Pamauon et Marlapocra insulac Borneo.
40. *J. CLAVATA* Krlhls. 1, cit, pag. 201. no. 21. — Folia ovaliu, utrinque neula, venis subpuraliulis; racemuli axillares conferli; calyx clongato - conicus, limbo oblusc quadridentalo. — Crescit in sylvis monium Pamatton et Sakocmbang insulac Borneo.

6324A. *CL. EISTOCAL. YX Blume.*

(Blume, Mus. bot. Lugd. Bat. 81.)

Calyx tubo cum ovario connato, subcampanulato, basi nonnihil constricto, Jimbo supero, primum clauso, sub anthesi in Jobos 4 v. 5 irregularcs Jongiludinaliter fisso, deciduo. Pelala 4 v. 5, calycis fauci inserta. Stamina plurima, calycis fauci pluriscialim inserta; ilamcnla iliformia, sublibera, antlierac bilocularcs, dorso insertae, longiludinaliter dehiscentes. Ovarium biloculare, oculis multiovulatis. Stylus subulalus, stigma acutum. Dacca subglobosa, corticala, aborlu unilocularis, 1—2-sperma. Semina globosa, testa Crustacea. Embryi exalbuminosi cotyledones crassae, carnosae, subbemisphaericae, radicleae brevissimae retractae peltatim insertae.

1. *CL. NITJDA* Blume 1. c. no. 210. *f* — Folia oblongo-clliptica acuminata, grosse et paralleliter venosa; corymbi axillares; fructus globosi, calycis annulo brevi coronati.— *Jambom nilida* Krlhls. Nedorlandsch kruidk. Archief 1847. pag. 202. — In Archipelago Indico.
2. ^v*CL. NERVOSA* Blume 1. cit. 85. no. 211. — *Eugenia nervosa* Lour. — DC. Prodr. III. 2*4.

6324/2. *STROSTOYIiOCAIiYX Blume.*

(Blume, Mus. bot. Lugd. Bat. p. 89.)

Calyx tubo cum ovario connato, hemisphaerico, basi stipiliformi conctriclo, limbi profundo quadripartiti lobis deciduis/ in praefloration⁰, imbricalo-allernativis. Petala 4, calycis fauci inserta. Stamina plurim[^] disco carnosu telragono calycis faucem marginanti inserta, in phalang^{6^} 4 approximata, filamenla filiformia, basi brevissime concreta, anthera*, bilocularcs, subrotundae, dorso insertae, longiludinaliter dehiscenteV.

Ovarium inferum, biloculare, oophoris e medio dissepimentorum porreclis, multiovulatis. Stylus filiformis, stigma acutum. Bacca globosa 1—4-sperma.

1. ST. LEPTOSTEMON Blume I. c. no. 219. f — Ramulis nullimis subtetragonis; foliis elliptico-oblongis v. oblongo-lanceolatis obtuse acuminatis v. obtusiusculis, basi acutis, racemis solitariis confertisve axillaribus lateralibusve glomerato-mullifloris. — *Jambosa leptostemon* Krthls. Nederl. kruidk. Archief 1847. pag. 201. — In Archipelago Indico.
2. ST. HEMISPHAERICUS Blume I. c. no. 220. + — Foliis lanceolatis utrinque angustatis; cymis longe pedunculatis solitariis v. geminis axillaribus laxioris. — *Eugenia sphaerica* Wght. Icon. t. 325. — Wlprs. Report. II. 131. no. 8. — In Zeylaniam.

6324/3. CLAVMYRTUS Blume.

(Blume, Mus. bot. Lugd. Bat. p. 113.)

Calyx tubo cum ovario connato subcylindraceo, tubo ovarium proilucra, limbi quadrilobi lobis in praefloratione imbricato-imbricatis. Persistens v. deciduus. Petala 4 calycis faucibus inserta. Stamina plurima cum petalis disco antherarum ad calycis faucem pluriserialiter inserta, filamenta capillaria libera, antherae biloculares, longitudinaliter fissiscentes. Ovarium inferum biloculare, loculis multiovulatis. Stylus filiformis, stigma simplici. Bacca ovoideo- v. ellipsoideo-globosa, pericarpio calycis limbo conscripto coronata, monosperma. Semen subglobosum, testa membranacea v. chartacea. Embryi exalbuminosi cotyledones crassae carnosae incumbentes, radícula brevissima, inter cotyledones inclusa. — Arborea v. frutices in India orientali et Archipelago Indico provenientes: foliis oppositis exstipulatis integerrimis, nervis reticulatis punctis pellucidis conspersis, glabris; pedunculis axillaribus et terminalibus, uni-pauci- v. corymboso-multifloris; floribus racematis albis et fructibus mediocribus v. parvulis.

Sect. I. Calycis tubo sat elongato, limbo vulgo deciduo. Inflorescentia pauciflora.

1. CL. GLABRATA Blume I. c. pag. 114. no. 266. f — Foliis oblongo-lanceolatis obtuse acuminatis, basi acutis coriaceis impellucidis; pedunculis axillaribus et terminalibus uniserialibus elongatis 1—3-floris. calycis tubo clavato sursum aequali. limbi lobis rotundatis inaequalibus deciduis; fructibus ellipsoideo-globosis calycis limbo contracto truncato coronatis. — *Jambosa glabrata* DC. Prodr. HI. 287. — *Jambosa gracilis* Krthls. Nederl. kruidk. Arch. 1847. p. 202. — Java.
2. CL. VIRENS Blume I. c. no. 267. f — Foliis elliptico-oblongis v. oblongo-lanceolatis, utrinque angustatis subcoriaceis semipellucidis; pedunculis axillaribus et terminalibus pericarpio paulo longioribus cymoso-paucinoris; calycis tubo cylindrato sursum contracto, limbi lobis rotundatis inaequalibus. — In montanis Javae insulae.
3. CL. RAMOSISSIMA Blume I. c. p. 115. no. 268. f — Foliis lanceolatis v. oblongo-lanceolatis, utrinque acuminatis subcoriaceis impellucidis; pedunculis axillaribus et terminalibus uniserialibus pericarpio paulo longioribus uni-paucinoris; calycis tubo clavato sursum aequali, limbi lobis rotundatis subaequalibus. — *Eugenia ramosissima* Wall. Herb. no. 111. — In montanis Silhol Indiae orientalis.

4. CL. MARGIN AT A Blume 1. c. no. 269. f — Foliis oblongis acuminatis, basi obius cbartaccis impellucidis; -fructibus elongato-ellipsoidcis calycis limbo abrupto truncato coronatis. — In insula Java occidentali.

Sect. II. Calycis tubo minus clongato, limbo vepcto-persistente. In-florescentia corymboso-mulliflora.

5. CL. LINEATA Blume 1. c. pag. 116. no. 270. f — Foliis lanceolntis obtuse acuminatis, basi angustatis coriaceis irapellucidis v. semipellucidis, supra subaveniis, subtus tenuiter parnlele venosis; corymbis axillnribus et terminnlibus compositis folio brevioribus, ramulis subirilloris; cnlycis tubo clavato laevi, limbi lobis rotundatis subacqualibus persisteniibus; fructibus ovoideo-globosis calycis limbo constricto coronatis.

(5. *procera*: foliis saepe majoribus coriaceis impellucidis.

Y« *membranacea*: foliis majoribus membranaccis pellucidis; corymbis saepe longiludine foliorum.

5. *varingaefolia*: foliis ellipticis v. l;Ue lanceolalis ulrinque subangustatis coriaceis impellucidis. — In montanis Archipelagi Indici.

6. CL. FIRM A Blume 1. c. no. 271. f — Foliis ellipticis lanceolatis obtuse acuminatis' basi angusialis, margine recurvis coriaceis firmis impellucidis, utrinque tenuiter paral-Iclo-venosis; comnbis axillaribus et terminalibus compositis folium adaequantibus, ramulis subirilloris; calycis tubo clavato sulcato, limbi lobis rotundalis subacqualibus persistentibus. — In Java insula.
7. CL. LATIFOLIA Illume 1. c. p. 117. no. 272. f — Foliis ellipticis obtuse acuminatis, bnsi subaculis, margine rocurvis coriaceis firmis impellucidis, utrinque lenuiter parallelo-venosis; corymbis axillaribus et terminalibus compositis folio brevioribus, ramulis subtrilloris; calycis tubo rlaivo laevi, limbi lobis rotundalis inaequalibus persiscentibus. — Habitat in Borneo insula.

Sect. III. SYMPHYTOCARPUS Mume 1. c. p. 117.

Calycis tubus cylindraceus, costatus. Fructus ovoideo-globosus, compressus, coslatus, limbo persistente coronatus.

8. GL. SYMPHYTOCARPA Blume 1. c. no. 273. f — Foliis elliptico-oblongis, utrinque acutis v. acuminotis subcoriaceis seraipellucidis, utrinque tenuiter parallelo-venosis; corymbis axillaribus et terminalibus compositis folio brevioribus, ramulis ex apice sublri- v. abortu floris inlcrmedii bifloris; calycis tubo cylindracco telragono, limbi lobis roiundalis subaequalibus persientibus. — *Jambosa symphytocarpa* Krthls. 1. ^{6t} 201. — In insula Sumatra.

6324/4. HHCROJAMBOSA Blume.

(Blume, Mus. bot. Lugd. Bat. 117.)

Calyx tubo obovoideo, cum ovario connato, fauce ultra ovarium ^{br j} viusculum producta, limbi 4-fidi lobis obtusis deciduis (an in omnibus [^] in praefloratione imbricato-altefnativis. Petala 4, apice calyptra ^{Uf?} cohaerentia et operculi- instar per anthesin decidua. Stamina pluri ^W cum petalis disco annulari calycis fauci pluriseriatim inserta, filamen ^{WY} capillaria libera, antherae biloculares, longitudinaliter dehiscen ^f Ovarium inferum, biloculare, loculis multiovulatis. Stylus [^] filiform [^] stigmate simplici acuto. Bacca subglobosa monosperma. — Arbores J. [^]

Asia tropica et insulis vicinis crescentes, faciem *Mangiferarum* prae se ferentes, glaberrimae: foliis suboppositis exstipulalis, breviter petiolatis, oblongis, integerrimis, coriaceis, arcuato-venoso-reticulatis, impellucidis; corymbis axillaribus v. terminalibus interdum paniculatis; floribus ad apices ramulorum ternis v. confertis parvis, bracteolatis; fructibus parvulis.

- * M. CONFERTA Blume I. c. p. 118. no. 274. + — Foliis lanceolatis v. oblongo-lanceolatis acuminatis, basi acutis, utrinque reticulato-venulosis (reticulatione supra acicula-lo-jinpressa subtus prominula); corymbis axillaribus et terminalibus paniculatis trichotomis; floribus in apice ramulorum confertis; calycis tubo laevi. — *Jambosa oonferia* Krthls. Nederl. kruidk. Archief 1847. pag. 202.? — Habitat in insula Borneo.
- * M. TRIFIDA Blume I. c. no. 275. f — Foliis elliptico-oblongis v. oblongo-lanceolatis, utrinque acuminatis, subtus reticulato-venulosis¹; pedunculis corymbosis axillaribus et terminalibus folio multo brevioribus trifidis; floribus in apice ramulorum confertis; calycis tubo verrucoso-scabrido. — Habitat in insula Sumatra.
- ^d M.? SPLENDENS Blume I. c. p. 119. no. 276. f — Foliis oblongis v. oblongo-lanceolatis obtuse acuminatis, basi angustatis reticulato-venulosis (reticulatione utrinque prominente). — In Java australi.
- ⁴ M.? CUSPIDATA Blume I. c. no. 277. f — Foliis ellipticis v. elliptico-oblongis cuspidatis, basi acutis reticulato-venulosis, reticulatione utrinque prominula. — Java.

Tribus IV. *tiARRINGTONIEAE* DC. Prodr. III. 288.

6325. *BARRIBT CnrOliria* Font.

(DC. Prodr. III. 288. — Wlprs. Repert. II. 192. V. 756. — *Stravadium* DC. I. c. 289.)

- ¹ B. ACUMINATA Krthls. Nederlandsch' kruidkundig Archief I. 206. no. 2. — Folia oblongo-obovalia, breviter acuminata, basi attenuata, obtuse serrata; racemi rhachis carnosae; fructus subtetragoni. — Crescit in insulae Borneo sylvis Pamatton.
- ²* B. ELONGATA Krthls. 1. cit. 206. no. 5. + — Folia obovato-oblonga acuminata, basi cuneata, remote subserrulata; racemi elongati; flores remoti; lobi calycini torti. — Crescit in insula Borneo prope Poeloe-lampej.

f Icon addenda*

- ^B SPECIOSA Linn. fl. — DC. I. c. 288. no. 1. — WJprs. Repert. II. 192. - Van Houite. ^Fore des serres IV. t. 409.

f Genera delenda.

- ⁶³²_{3/a} MONOXORA Wght. (Wlpri. Repert V. 759.) delatur, nam: MONOXORA SPECTABILIS Wght. = RHODAMNIA CINEREA W. Jack. (Wlprs. Repert. V. 757. et supra no. 6316/., pag. 627.
- ⁰¹¹_{4/i} CEROCARPUS Hsskrl. (Wlprs. Repert. V. 756.) = JAMBOSAE sect. II. cf. supra pag. 635.

6325A. *BOTRYOROPIS* Prsl.

(Presl, Epimeliae botanicae p. 220.)

Calycis tubus turbinatus. ovario adnato, limbo quadrifido, laciniis subaequalibus persistentibus, aestivatione valvatis. Corolla tetrapetala,

petalis liberis deciduis calycis laciniis alternis. Stamina plurima, basi monadelphia, biserialia, filamentis elongatis filiformibus flexuosis, antheris transverse reniformibus bilocularibus, basifinis extrorsis, loculis longitudinaliter dehiscentibus, Urceolus scyphiformis integer brevis styli basin vaginans. Ovarium biloculare, loculis bi — quadriovalatis, ovulis ovatis subsphericalibus. Stylus simplex filiformis, longitudine filamentorum. Stigma globulosum parvum. Fructus ? — Arbor vel frutex Luzonica: ramis oppositis; foliis quaternato-verticillatis coriaceis pinnatinerviis impunctatis calloso-serratis; racemis terminalibus elongatis laxis multifloris simplicibus erectis; floribus sparsis pedicellatis albis parvis; filamentis tuberculato-scabris coloratis.

1. "B. LUZONENSIS Presl 1. ck. pag. 220. f — Habitat in insula Luzon provincia, Laguna.

Ordo XG. GUCURBITACEAE *Juss.*

(DC. Prodr. III. 297. [excl. trib. I.] — Wiprs. Report. II. 195. V. 758. Annal. I. 316. M. J. Romer, Famil. natur. synops. monogr. II. p. 1.—ill.)

5125. CYRTOHTCIIA *Schrad.*

(Wiprs. Repert. II. 195, Annal. I. 316.)

1. C. CONVULVACEUM Fenzl. mss. ex A. Rich. Tent. fl. Abyss. I. 286, — Caule herbaceo volubili ramoso cirriferi angutato puberuli; foliis breviter petiolatis cordatis serratis dentatis membranaceis puberulis; floribus monoicis, femineo solitario subsessili in axilla foliorum, ovario dense lanuginoso-setoso, masculis pedicellatis subracemosis pedunculo communi longo gracili ex eadem axilla orto subtulsi; fructibus globosis villosis, tubo corollae persistente longe apiculatis. — In Abyssinae provincia Medea.
2. C. DIVERGENT Hochst. mss. ex A. Rich. 1. c. — Foliis longius petiolatis cordatis acutis, basi sinu lato emarginatis, acute dentatis membranaceis puberulis, pedicellis dense villosis; fructibus pedunculatis globosis-depressis villosis, tubo corollae persistente apiculatis. — Habitat in Abyssinia.

5126. FIEErfOTMBIA *Linn.*

(DC. Prodr. III. 313. — Wiprs. Repert. II. 195.)

1. M. TRIANGULARIS Benth. in Hooker, Niger Flora 367. f — Foliis late deltoideis denticulatis membranaceis scabris; floribus longe pedicellatis in eadem axilla ternariis vel geminis monoicis; corollae glabrae lobis integris; fructibus globosis glabris — Crescit in insula Fernando Po.
2. M. DELTOIDEA Benth. 1. cit. 368. + — Foliis late deltoideis subacutis sinuato-membranaceis scabriusculis; pedunculis petiolo brevioribus ex eadem axilla ternariis vel geminis monoicis vel solitariis; corollae glabrae lobis integris; fructibus (ovoideis?) subsessilibus — *Bryonia deltoidea* Schum. & Thonn. non Am. — Crescit Abohel in Guinea*

5126/ SICYDIUJH Schhht *)

(Wlprs Report V 759)

- ⁴ S UNDHEIMERI A^a Gray, Dost 'Journ of nat lust VI 19 f — Rddice crassa perenn folus subromfoimibus carnosus 3—5-lobatis partmsvo et binuato-dentJtis, tubertulis vel pustulis sublub prominulis scabratis, caeterum caulcque glabus pedunculo m pi mascula atque focminea folio brevior, masculo 3—9-floio, foemmo unilloro, cal\ce flor. masc infundibulifoimi foem supia ovanum longe producto anguste tubulobo lobis petalis oblongis duplo brevionbub baccu globosa rubra (diametro pollican), ^minibus abortu paucis turgidis rotundatis subcompressis submarginaiis bilo bidentatis — Crescit in republica Texana

5127 ZEH1VEBIA Endl

(Wlprs Repert II 196)

- ¹ ² KCHOMCULATA Hochst. mss ex A Rich Ten* fl Ab\ss 1 287. - Caule volubih eJrrilero angulnto hiCto, folus pctiolatis cordatis acutis, aigute dentatis, supcnc scrob'culatis, subtus pilis brevibus praeserlim in nervis subhispidis, flonbus pedicellaus in a*illa fo'»oruni aggregatis, pedicellis albido-tomentosis, baccis ovoideis albicantibus s'uurugosis pedicellatis semimbus 6—10 oblongis compressis laevibus glabri? — *firyonia*
- ² ^{scr obx} *culata* Hochst. mss — Habitat in Abvssmia prope Adoua
- ² ^L LONGEPEDUNCULATA Hochst mss ex A Rich I c f- Caulo gracili subangu-lal° volubih glabnusclo, folus petiolatis cordatis, in ambilu 3—5-Iobis, lobis obsole-tis distanter denticulatis, membranceis, superne vix scrobiculalis subtus in nervis pi-lis r'nnns conspersis pedunculo elongato folium subaequante glabnusclo, flonbus sbracemosis pedicellaus glabns, corolla (in masculis) campanulata, 5-loba, fructi-^{""w} 9 _ Habitat in Abyssinia m convalle fluvu Taccaze*.

5128. ASTGIJRIA linn,

(DC Prodr III. 318 — Wlprs Repert II 197. V 760, Annal 1 316)

- ¹ ^A SUBUMBELLATA Miq. Stirp Surmamens select 103 f — Ramulis lolusque utrin-[<]que pubescentibus folus ovatis cordatis tnlobis, sinu baseos juxta penolum triangula-^{""ter} protracto, lobis ovatis breviter acutissime acuinatis, remote minuteque denticulatis flonbus (masc) subambellato-fisciculalis, pedunculo comraum pubescente, pedicellis ⁴ ^{^al} vceque dense hirlclhs — Crescit in Surinam
- ⁴ ^{sc} CISSOIDES Bnth in Hook Kew gard misc II. 242 — Caule glabro folus tnsectis, ^{sc} gmcniis petiolulalis ovatis cuspidalis spmuloso-dentalis hirtellis lateralibus dimidi-^{all}is. peduncuhs elongalis breviter racemosis flonbus paupis glabns v. pilosis, petalis cahcis lacinnis dimidio breTionbus — In Brasilia prope uibem Param
- ³ ^A MNUATA Bmh in Hook 1 c f — Glabra v praeserlim ad petiolos pilosa folus ^c <rdato-ovatis sinuato-lobatis integrisve scabns, spicis masculis longe pedunculalis Uloboso capuaiis flonbus numerosis pedicellalis. calycis lubo ovato villosa — Folia ^{amp} *pedala* — Habitat in Brasilia Paracnsi.

f loon addenda.

- ^A ^MACKOYANA Lem — Wlpis Anual. I 31b no 1 -Paxton. Magaz of bot \VI 322.c.ic

') An *Melolhuae* sectio t

5130. BRYOHTIA *Linn.*

(DC Prodi III 301. [ex p] — Wlprs Repect II. 197. V 760, Annal. I. 317)

- 1 DR. MICUISTHA Boiss Diagnos. plant, orient, nov. X p. 7 f — Dioica caulibus pilis papillois cnspis obsius, folns utni^jue papilloso-aspens cordatis, infenonbus subrotundis obsoleto et obtuse repando-dentaus, suprerais ovatis 5—7-lobis, lobis infenonbus bicvjssimis, supenon mulio majon elongato, arris simplicibus, flonbus masculis ...», foemineis subsessilibus minutis&imimis, calycis lacimis valde papilloso-hirt-Us corollam papilloso-hirtam aequaniibus stigmatibus aspens*, baccis axillanbus solitains rubellis pedicello us aequilongo vcl longiori sulTullis — Crescit in dumosis Antilibam circa Rascheya
- 2 BR MULTIFLORA Boiss tt Heldr I c 8 f- Dioici caulibus valde angulosis, parcissime ci breviiier papilloso-asperulis folns obscure virentibus brevissime et sparsini subtus asperulis superne lacvibus, ultra medium in 5—7 lobos triangulates acutos, saepius itcrum basi obtuse lolhalgs palmatisectis, cirns simplicibus flonbus masculu .. ?, foemineis in racomos inultifloros elongatos oblongos pedunfulalos, saepe basi ramosos ex eadem axilla saepe pluies disposals, axi racemi flexuoso pedicelhsque glabns us batca brevionbus, fiuctifens recurvis lacimis calycims glabns lineran-s«taceis dcutis, corollae lacimis papiUaii-cilintulis fere dimidio brorionbus, stylo corollam excedenli stigmatibus patenli-recurvis dongatis aspens — Grescit in rupeslnhus umbrosis Pisidiao in moniibus prope Telieltickbi ad meiidiem urbis Bouldour.
3. PR MICRANTJIA Ilochst mis ox A Rich Tent (I Abyss I 283 — Annon? caule ramoso ingulato \olubili hispido, folns petiolatis cordato-sagittatis hirlis, margme inaequaliler et obsolete denticulatis, flonbus minimis in axilla foliorum subcongesto-capi* tali!), in femineis OTJHO caljceque setosis baccis plsiformibus globosis glabns laevi¹ bus 4—6-spcrmjs sessilibus, semimbus rugosis — Habitat m Abyssimae prov. **Chir** ^
- 4 BR OBTUSA A Rich 1. c 289. — Perenms caule gracili nmoso angulato **cirrisfero** volubili hispido folns petiolatis ovnlibus, basi subcordatis aut tiuncids, in ambitu sub' tulobis, lobis obsoletis obiusissimis mirgine distanier et obsolete denliculalis, utriO' que scabris flonbus dioicis? pedicellaus, in axilla foliorum 2—4 aggregatis, masculo* turn corolla campanulata, e'terne birta — In Abyssimae provincia Choho
5. BR CONYOLVULOIDES A Rich 1 c — Caule gracili ramoso volubili angulato. m^ liter piloso folns bi eviter peuolatis palmato-quinquepartiis pilosis, lobis subpmnatiffil aculis, lobulis acutif podunculo aullari, foil is longiori subtomentoso 3—5-floro, & n¹ nbus pedicellatis subcorjmbosis, floium masculorum lobis caljcinis lanceolalis acot¹ pilosis corolla campanulato-patente, lobis latis parum profundis apiculatis. - ^ Abyssimae provincia Chut⁴
- 6 BH JATROPHAEFOLIA A Rich 1. c. — Caule angulato ramoso vix pubente cirffH fero folns petiolatis, basi cordatis, profunde digitalo-5-lobis, lobis oblongis anffO¹ obtusis, apice mucronatis, margine inaequaliter dentatis, margme et subtus in nef¹ pilosiusculis el subtuberculatis, pcdunculis axillanbus elongatis, apice flores ped¹ latos subumbellulatos 3—5 gerentibus, ran us uniflons, in flonbus masculis c*tylci¹ emus oblongis bievibus vix aculis coiolla campanulato-patente —In Abyssinia **pro** 3 Adoua

t Icon Addenda.

BR M(SORCNSIb Wgbt - (VMprs Repecil II 198 no 4) - Wglil lion, pi ^v.
lb09

5133. HIOMEORBIÇA *Linn.*

(DC. Prodr. HI. 311. — Wiprs. Report. II. 200.)

1. *M. YOGELII* Planchon in Hooker, Niger Flora 369. f — Foliis ample cordato-ovalis integris sinuato-dentatis; floribus monoicis ex diversis axillis, masculis umbellatis in involucre longiuscule pedicellatis; corolla calyce triplo longiore, tubo echinato; fl. foeraineis solitariis geminisve; fructibus ovalo-acuminatis echinatis. — Crescit in insula Fernando Po.
2. *M. CISSOIDES* Planchon 1. cit. 370. f — Foliis trisectis, segmentis petiolulais denticulatis, in medio ovato, lateralibus oblique ovato-rotundatis breviter subbilobis; floribus masculis umbellatis; pedicellis involucre brevioribus; calycis laciniis oblongis uncinato-mucronatis corolla duplo brevioribus. — Crescit in Africa tropica occidentali (Nigeria).
3. *M. MACULATA* Planchon 1. cit. 371. f — Foliis trisectis, segmentis petiolulais obovato-oblongis sinuato-dentatis, lateralibus bipartitis; floribus foemineis in involucre solitariis; calycis tuboglabro, laciniis subulato-acuminatis. — Crescit in Africa tropica occidentali (Nigeria).
4. *M. GUTTATA* Planchon 1. cit. 371. f — Foliis trisectis, segmentis petiolulatis ovatis acutis vel acuminatis sinuato-dentatis, lateralibus bipartitis; floribus masculis umbellatis; pedicellis involucre brevioribus; calycis laciniis lanceolatis subulato-acutis. — Crescit in insula Fernando Po et in Sierra Leone.
5. *M. DASYCARPA* Hochst. mss. ex A. Rich. Tent. II. Abyss. I. 291. — Caule volubili cirroso hispido; foliis petiolatis cordatis vix acutis, margine argute denticulatis sublobulatis hispidis; floribus solitariis pedunculatis, masculorum laciniis calycis lineari-bus; corolla campanulata; fructu obovato-oblongo erinaceo. appendicibus subulatis apice subhamatis densissimis obtecto; seminibus oblongis compressis ulrinquo subacutis. laevibus. — Habitat in Abyssiniae provinciis Chire' & Choho.
- 6*. *M. MORKORRA* A. Rich. I. c. 292. t. 53. — Caule diffuse ramoso procumbente aut volubili circumfero angulato, vix piloso; foliis petiolatis subrhomboidalibus, basi cordatis aut truncatis, margine denticulatis, aculis, praesertim in nervis pubescentibus; cirris simplicibus; floribus dioicis? masculis numerosissimis longe pedunculatis racemum corymbiformem multiflorum ad basin caulis, et quibusdam sparsim ad axillam foliorum longe pedunculatis solitariis aut 2—3-aggregatis; floribus foemineis pedunculatis in axilla fasciculatis saepius solitariis; fructu ovoideo aut subgloboso, coriaceo aurantiaco, undique echinato, maturatione ruptili; seminibus epispermiis rubro carnosus involutis. — Habitat in locis incultis fere per totam Abyssiniam.
7. *M. PTEROCARPA* Hochst. mss. ex A. Rich. 1. c. 292. — Caule gracili volubili cirroso pubescente; foliis digitato-3—5-foliolatis, foliolis longiuscule petiolulatis, in medio lanceolato-aculo, margine sinuato et denticulato, lateralibus integris aut plus minus profunde bipartitis aut folia bina distincta et tornatis, puberulis; floribus masculis albidis pedicellatis, racemum brevem 4—6-florum bractea lata cordiformi acula stipatum et longissime pedunculatum et tormentibus; floribus foemineis pedunculatis solitariis; ovario apice longe acuminato. alis 15 denticulatis ornato: fructu ovoideo (crassie nucis) angulato apice longe acuminato. — Habitat in Abyssinia circa Adoua.
8. *M. AUOENSIS* Hochst. mss. ex A. Rich. 1. c. 293. — Caule procumbente parce ramoso subhirsuto; foliis tardius explicatis breviter petiolulatis, digitato-5-partitis, laciniis lanceolatis acutis grosso et longe serratis hirsutis; cirris simplicibus contortis; racemis axillaribus simplicibus pedunculatis; floribus in magnitudine mediis pedicellatis et cum pedicellorum articulatione; corolla campanulata lobis semiovalibus acutis; fructibus ovoideis viridibus purpurco-maculatis, cornosis. — In Abyssiniae provinciali Ouodgorate.

5134A ADCSIKTOFUSf *Bnlh.*

(Biuli in Hookci , Niger Flora 31Z)

Iloios inascuh (dioici'): <aly\ tiibulosois quinquedentatus Petala 5, ad dpiccm tubi calvcis inserta, margine integia vcl lc\itor cnspat.i Stamina 5, medio tubo calvcis inserta, filamenlis brevissimis, anthers longe lincdiibus flexuosis diadelphis. flores focminu . . ' — lleibae Africanæ him, *Luffae*, hinc *Tncfiotanthi* affines *olfa palmahm lobata, petiolo apicc biglanduloso. Hoies masculi racemosi

- 1 A LONGIFLORUS Bnth 1 c f — Foliis quinquelobia vix scabiusculis calvcis lubo peialis longiorc, infra medium longe attenuate, basi dilatato — Ciescit in Sieiid Leone
2. A BREVIFFLORUS Bnth 1 c 373 f — Foliis quinquelobis scabns caljci* tubo petnlis rnullo breviorc, basi vix dttenuato — Crescit in Africa tropicu occidentali (Ngritia

5137. CUCUHIS *Linn*

(D(Piodr. III 299 [ex pj - Wlpis liepeit II 201)

- 1 (, ABYBSIMCUB A Rich Tent 11 Abyss I. 294 — Perennis nanus caule diffusc ramoso 1—2-pcdali hispido, folns parvulis petiolatis 3-lobis, lobo terminali obtuso longiou sublobulato, lobulis obtusis, utnqu<3 hispidib, floubus luteis parvulis axillanbus peduncuhtis hispidis solilarns, fructibus ovoideo-oblongis parvulis hispidis — Habitat in Abjssinia piov Chir^
- I C FI (FOLIUS A Rich 1 c — Caule piocumbente lamoso unifcro angulato hispido. foliis petiolatis tguia varus, sdepius basi corddtis palmato-3—5-lobis, lobis obtusis, margine sinuosis, sinu obtuso separatis, uinnque hispidis, cirns nummis simplicibus floubus pedunculalis axillanbus sat paivulis, sacpius solitarus, in masculis calvcis lobis lincanbus atutis, corollae campanuldo-tubulosae lobis obtusis, liuclibus ovoideis (crassitie ohvae parvulae) apico acutis piloso-echinalis — Habitat in Abjssmiao piov CA mC
- 3 f ? STRIATUS A Rich 1 c 295 —Caule ramoso diff'uso volubili cinoso subhulo, cans simplicibus, foliis petiolatis latis, basi subcordalis profunde digitnto -5-parlilis, lobis angustig aculis sinuosi*. vix denticulalis, pilis brevissimis ulnque hispidis fructibus solilnns nxillaubus pedunculo crasso sufTultis ellipsoidcis (ci assiliem nucis majom, Juglandio it^nc aquantibus) glabris decemstnatis carnosis. — Habitat m Abvssinn ad montem Sclicuda

5138. CUCURBITA *Linn*

(DC P*odi III 318 — Wlprii Repert II 202 V 761)

- 1 1 r\ VN THEMATIC A Fnzl mss ex A Rich Tent 11. Abjss I 296 — Caule ramoso lolubili angulato unto, cirns simplicibus, foliis petiolatis cordons acutis, nunc palmato-tnlohis, lobis aculis angulatis distanter denliculais, subtus scrobiculalis hirtellis, nuno cordnto-oblongs non lobatis, dentatis, floubus axillanbus solitarus pedunculalis, femineOrum ova no oblongo hirtio hispido, fructibus . . .? — In Abyssinia.
- 2 C TLXANA A. Giay, Boston joum of nat. hist VI 193. — Caulis scandens sulcaius setoso-luspidus ramosus Folia petiolata palmalilobata, basi profunde cordata mucronato-dentata palmainervia reticulato-venosa, minute puberula, net vis setoso- hispidis

Petioli sulcati setoso-hispidi folio breviores. Cirri oppositifolii multifidi (4—7-fidi). Calycis tubus hirsutus flavescens 10-nervius, nervi 5 excurrentes in corollae costas, lobi virides. Corolla intense lutea. calycis margini inserta, nervis prominulis setoso-hispidis, lobi corollae (petalorum pars libera) crenulati cilliali nervo excurrente apice a corolla libero mucronati. — *Tritemon Texanum* Schffele, Linnæa XXI. 586. et XXII. 352. — In republicis Teiensi,

5138/!. PIEEOCAIiYX Gasp.

(Gasp, in Annal. des scienc. natur. Ser. III. T. IX. pag. 220.)

Flores monoici. *Flos masculus*. Calyx tubo brevi piano discoideo, limbo quinquefido, laciniis angustissimis. Corolla urceolato-campanulata, calycis tubo adnata, limbo piano quinquefido, lobis aestivatione induplicatis. Stamina tria, imae corollae inserta, filamentis crassis apice monadelphis. Antherae extrorsae dorso coalitae sinuosae. Pollinis granula rotunda papilloso-glandulosa. *Flos foemineus*. Calyx tubo pileato crasso, basi ovarii adnato, limbi laciniis filiformi-subulatis. Corolla fere uti in flore masculo. Staminum loco urceolus imae basi corollae adnatus. Ovarium semisuperum, nempe infra medium calyce inclusum et cum ipso coalitum, supra medium omnino liberum, laeve 3—4-loculare, placentis ad marginem carpidorum retroflexis, et ideo parietalibus multiovulatis. Styli nulli, nisi pro talibus habeas stigmatum baseos constrictas. Stigmata fere vel omnino sessilia, discreta carpellorum numero aequalia, crassiuscula reflexa, apice dilatata et marginata. Bacca laevis fere exsucca subrotundo-depressa, basi pileo hemisphaerico, ex calyce in fructum succrescente inclusa, supra medium nuda, apice carpellis discretis et ideo 3—4-lobata. Semina oblonga crassa majuscula, margine non tumida, versus hilum paullo constricta. — Genus super *Cucurbita melopepone* L. exstructum, ob stigmata discreta sessilia, longe minus crassa emarginata, numquam carnosa et profunde biloba uti in *Cucurbita vera*, stylum communem nullum, et praesertim ob ovarium infra medium tantum cum calyce concretum, quod praeterquam raro in aliis occurrit plantis, turn vero in *Cucurbitaceis* solum exemplum.

1. P. ELEGANS Gasp. 1. c. p. 221. — Caule sarmentoso scandente; foliis subrotundis leviter lobatis, basi sinu profundo; florum marura pedunculis petiolo subaequalibus; bacca subrotundo-depressa, basi pileo aurantiaco praedjta, in marginem constrictum attenuatum verrucoso-sinuosum desinente. — Habitat . . . ?

5140. TRICHOSAA^TTfioES Linn.'

(DC. Prodr. HI. 313. — Wlprs. Repert. II. 203, Annal. I. 317.)

1. *TR. COLUBRINA Jcq. - DC. 1. c. 314. no. 3. — Wlprs. Annal. I. 317. no. 1. — Van Houtte, Flore des serres IV. t. 305.

5141/,. ECHINROCYSTIS Ton. Sf Gr.

(Wlprs. Report. II. 203.)

1. *E. LOBATA Torr. et GK. — Wlprs. 1. c. no. 1. — Torr. Flor. of New York I. 250. f. tab. 30.

t Species excluga.

E. PEDATA Scheele. = CYCLANTHERA DISSECTA Am.

5143. CYCIAHTHEBA Schrad.

(Wlprs. Repert. V. 761.)

- 1 *C. DISSEGTA Am. — Wlprs. Repert. V. 762. no. 3, — A. Gray, Boston journ. of nal. hist. VI. 193. — *Echinocystis pedata* Scheele, Linnaea XXI. 587.*)

5151/j. HARIAWDIA Ilance.

(Hance, Pl. nov. Austr. Chinens. diagn. inedit. II. p. 10.)

Calyx corollaceus urceolato-tubulosus, albus puberulus, apicè breviter quinquelobus, lobis triangulatis patentibus, tubo sextuplo brevioribus, sinibus dentibus 5 minimis setaceis auctis. Corolla nulla. Stamina 3, calycis fundo inserta inclusa, filamenta apice (connectivo), ubi in formam laminae ligonis seu batilli dilatata, exlus lineis 2 rectangulato-geniculatis luleis (specie duarum literarum L inversarum) [antheris?] invicem ductu superiore horizontali appropinquantibus, notata, glandulosa. Ovarii vestigium nullum. Stylus nullus, stigma calycis fundo insidens stellato-trifidum.— Genus admodum singulare, habitu, florum specie, stigmatique fabrica sibi vindicans arctam cum *Cucurbitaceis* adfinitatem; staminibus insignibus (ab auclore—ut opinatur — rite interpretatis) magnis, pistilla referentibus praedilum; ovarii defectu aliisque forsitan notis generi *Thladiarithae* Bge. accedens. — Dicitur amico speclatissimo Guil. Aurel. Harland, Med. ft Chir. Doctori, scientiarum physicarum strenuo cultori, sinologo praestanti, auctori dissertatiunculac eruditjssimae de Sinarum dogmatibus anatomico-physiologicis (Trans. Asiat. Soc. China, 1847), qui stirpes plures Chinenses (auctori) benigne communicavit.

1. H. DRYONIOIDES Hance 1. c p. 11. — Uerbacea, diffuso-scandens glaberrima: foliis brevipetiolalis coriaceis sinu acuto profunde cordatis ovalis vel bastatis 3—5-angulato-lobiis, lobis nempe lateralibus quasi in auriculas deorsum productis, lobo terminali longiore, omnibus oblusis, supra saturate viridibus, infra pallidis, glaucescentibus palmatinerviis reticulato-venosis, venis tenuibus albidis; cirris simplicibus axillaribus et oppositifoliis; floribus in racemis axillaribus multi- (circiter 20)-floris dispositis in pedicellis articulatis, mox deciduis, evolutione centripeta.— Folia ea *Bryoniae dioicae* referentia. — Habitat in sylvulis insulae Hongkong.

*) Caulis scandens acutangulus glaber ramosus. Polia petiolata pedalissecta, segmenta oblique rhombo-ovata vel ovato-oblonga acuminata inaequaliter mucronato-dentata, utrinque glabra luberculata penninervia. Petiolus compressus sulcatus alatus. basi dilatatus semiamplexicaulis. Cirri oppositifolii bifidi spiraliter torti. Flores monoici. — *Flos fertilis* solitarius axillaris pedunculatus, ovarium ovato-oblongum echinatum, stylus unus, sigmata duo.— *Flores steriles* cymosi. cyma axillaris longe pedunculata, cyrae pedunculatus peiololum et floris ferilibus pedunculata superans. — Fructus (immaturo) ovati inflati reticulato-fibrosi setoso-echinati. — Crescit in republica Texensi prope Neubraunfels.

Ordo ICI. PAPAYACEAE *Mart.*

(Wlprs. Report. II. 205. — M. J. Roemer, Famil. natur. regn. veget. synops. monogr. II. 119-124.)

5119. *CARICA Linn.*

(Willd. Spec. pi. IV. 814. — Wlprs. Report. II. 205.)

- 1- *C. NANA* Bnth. Plant. Hartweg. p. 288. — Dioica(?): paniculis masculis d i varies to-ramosis subcymosis; calyce parvo quinquepartito; corollae lobis tubo aequilongis. — la specimine (quod, teste Hartwegio, totam efformat plantain, sed forte ramus est, trunco vtro subterraneo?) truncus sesquiipollicaris et nudus ud apicem emiltit paniculas nonnullas bipollicares glabras aphyllasque, exceplis bracteis ad ramificationes paucis parvis simulque ramulos adhuc juniores parce florentes, in quibus folia nonnulla nascuntur parva petiolata, aunculis profundis sagittata. Flores omnes masculi, fere *C. Papayae* sed multo minores. Calyces usque ad basin divisi in lacmlas quinque ovatas acutas, fere semilineam longas. Corollae tub us lineam longus, lacimae oblongac tubo aequilongae. Stamina ct styli rudimentum omnino florum masculorum *C. Papayae*. — Crescit prope Leon in Mexico.

f **Icon addenda.**

C PYRIFORMIS Willd. I. c. 815. no. 2. - Gay, Hisioria do Chile [Dot.] II. 413. tab. 25.

— — — — —

Ordo XCIL BEGONIACEAE *R. Br.*

(Wlprs. Report, II. 206 a 934, V. 766, Annal. I. 318.)

5153. *BEctOHTIA Linn.*

(Wlprs. Report. JJ. 206 & 934. V:766, Annal. I. 918.)

I. *SIMPLICIFOLIAE.*

§. 1. Capsulae alis aequalibus.

- 1- *B. WALLICHIANA* Steud. mss. ex Lehm. in E. Otto. Neuo allgem. deutsche Gartenztng. VI. 455. + — Perennis, laete virens glutinoso-hispiduta: caulibus crectis teretibus subcarnosis linealis; foliis parvis dimidiato - cordatis acuminatis dupjicato-crenatis; stipulis brevibus viridibus; paniculis paucifloris longitudine fere foliorum; bractois mi-
II.

nutis; pengonii phyllis (albis) in flonibus masculis 4, majonibus obovatis, minonibus oblongis, in flonibus foemineis 5 obovatis subacqualibus. fiuctu tualto alis acqualibus supeinc nitenuaii* — *It innvifloia* Familt lib. — In India onenlali

2. B. PARVII LORA Libm Annal des sciences nal. (3. Ser) I\ p 318 f — Heibacca lamosisMinn glanduloso-pilosula, inferne obsolete aiticulala, superne continua folus alternis longe pctiolalis, peljolo laminara supeiante, obliquo cordatis, lobis basilanbus rotundatis, apico bieviter icuminalis, mai(?imp eroso-cienulalis, flortbus axillanbus nlbis parvis pedunculo communi articulado 1-ranus 2-^el 3-floro, flore masculo majon tetinpbjlllo, foliohs 2 oppositis lolundis concavis, 2 elongato-obovatis plams, floic loenunco minoi 5 - pbyllo subicgulan , capsula tiialata, ha si et apice attemnta inquciro - ovaia nlis acqudlibu* integns — Ciscit in regione temperata Mexici oientalis

§ 2 tapsulac ala Icilia rnajoie

3. D HVMLTOMAlSA Lebm in h Otto, iNcuc allgem. dputsdie Giinzlmg \I 456 f — Pcienni* cauiibus erectis lamosis>simis glabiiiscicilis subcainosis coloralis ad articulos tumidi, folns dunidiato-coidatis longe neulatis aculo dtipicalo-serralis undulatis hirsutis cilialis, utunque \jndibus, petiolis ciliatis coloiatis, slipulis o\atis scanosis, panitulis longe pedunculais pauciflons-, flonbus biacteis ovatis ciliato-fimbnatis coloratis suffulib, peugonii phyllis inaximis (albidit), in flonbus masculis 4, majonbus late o\ali^ subtus subrubentibus, minoiibus obovatis-subspalhulalis, in flonbus foemineis 5, acquahbus obovatis fiuctu tnalato, alis tiuncalis, teitia tuplo majore. — *B Malabauca* Familt mss — In India orientali]
- 4 B LUCID A Otto & Dielr Allgem Garlcnzeitung XVI 161 f — Caule fiuticoso scandente, ram is carnosus* nexuosis glabns, folus ovato-subrotundis, breuter acuminatis, ba^i vix oblique subcordatis, maigine inaequaliter denticulatis, utnnque glabernmis lucidis, cunis dicbotomis copsuic alis duobus subnullis, teitia maxima oblonga. — Cresoit. .?
5. B. CINN4BARINA Hook. Bot Mag. t 4483 i — Van Houlte, Florc des serres V tab. 530. — Paxton, Migaz of bot. XVI 225 (c. ic) — Puberula caule elongato lerei fohobo, folus breviscule et crasso petiolalis amplis oblique ovatis sinuato - lobatis duplicato-seiiatis, peduncuhs clongatis rubris flonbus inter majores totis petlicclisque oinnabarini9, masculis tetinphyllis, foemineis pentaphyllis, scpalis obovatis, capsuhs subgloboso-tuquetns, alis 2 subobsoletis, tertia longiuscule producta. — Habitat in Bolivia.
- h B. FAGOPYROIDES Kth. a Bouch Ind. semin in horto Berolin 1848 coll p. 16 no 29 — Fruticosa carnosca debilis glabra folus longiuscule petiolalis maequilalero-oblongis., profunde dimidiato-cordatis acuminatis, remote spinuloso-denticulatis, supra impresso-punctulatis, lacto \lud4bus nilidis, sublus pallidionbus. pedunculis divan-catim dicbotomo-ramosis multifloris, foemineis et androgynis, anthens oblongis, appenilite conica tcimmalis. pengonii ma^cuh dipbylli foholis obovato-oblongis obtusis. iocmmei pentaphjllh foholis tribus intcnoubus subrotundo-ellipticis obtusis, duobus extenonbus oblongis acutiusculis, siigmatibu* bicornibus; ovams tnalatis, alis rotundatis, extima maxima. — Habitat in Caracas
- 7 B. KLMIIIAINA — Fiuiicosa cainosa erceta ghfbia tolus breviter petiolatis dinudiato-lanceolate oblongis acuminate, basi dimidialo-rotundalis, levissime cordatis. grosse dentatis. supra nigio-vmidibus nitidissimis, subtus purpunscentibus, peduu* (uhs axillanbus 2—3-flons androgjms, antliens clavato-pynformibus, apice rotuodatis. pengonii ma^culi tetraphjlli foliohs extenonbus subrolundo-o\atis acutiusculis, imeiionbus multo minonbu^, obovato-spathulatis, apice rolundatis, foenm<i pentapbyll. foljolis maequalibus obtusis obovatis, ovatis et oblongis, stigmatibus reoiformibuj., ovams tnalatis, alis rotundatis, una paulo latioie. — P?, *lucula* Kth. * Vouch 1 c p 16 no 30 (nec alioi) — Habitat m Brasiln

§. 3. Capsulis unialatis.

8. B. MORITZIANA Kill. 8c Bouch. 1. c. p. 16. no. 28. — Fruticosa carnosia radicans glabra: foliis longiuscule pctiolatis, oblique ovato-subrotundis abbreviato-acuminatis, basi rotundatis, vix cordatis subsinuato-angulatis, irregulariter crepato-denticulatis, supra laeto viridibus nitidis, inpresso-punctulatis, subtus pallidioribus; pedunculis divaricatim dichotomo-ramosis multitoris androgynis; antheris linearibus, perigoni inasculi tetraphylli foliolis exterioribus ellipticis obtusis, interioribus minoribus, oblongo-spathulatis; perigonii foeminei pentaphylli foliolis 2 exterioribus oblongis obtusiusculis; antheris subclavatis obtusis; stigmatibus bicornibus; ovarii triqueiris monopteris, ala oblonga oblusa. — Caracas.
9. B. SDLCATA Scheidw. in Otfo 8c Dielr. Allgem. Gartcnztng. XVI. 130. f — Fruticosa: caule sulcato tuberculato, tuberculis viridibus; corlice brunneo glabro, tandem purpureo; foliis reniformibus inaequalibus glaberrimis duplicato-dentatis, subtus pallidioribus, pctiolis rubris; floribus paniculatis albis; pedunculis pedicellisque rubris; capsulis unialatis, alis denticulatis. — Crescit in Columbia.

H. DIGITATAE.

10. B. LUXURIANS Scheidw. 1. c. 131. f — Caulis nodosis tuberculatis cylindraceis bispidis, infra nodos hirsutissimis; foliis maximis digitalis, foliolis 11—17 lanceolatis subplicatis, aculis, basi in petiolulum compressum desinentibus bispidis, ad margines inaequaliter denticulatis crispatis, supra viridibus, subtus rubris, petiolis cylindraceis elongatis bispidis, pane surama frondescens; floribus paniculatis monoecis roseis (floribus femineis ignotis). — Crescit in Brasilia.

f loon addenda.

- B. DIPETALA Grab. — Wlprs. Report. II. 213. no. 89. - Paxt. et Lindl. Flow. gard. I. 67. »ab. 14.

Ordo XCIII. PASSIFLOREAE Juss.

- (DC. Prodr. III. 321. [excl. trib. 3.] — Wlprs. Repert. II. 218. & 934. V. 770, Annal. I. 319. — M. J. Roemer. Synops. monogr. famil. natur. regn. veget. II. 125—207.)

5094. SMEATKMAJ«nVIA Sol.

(DC. Prodr. III, 322. — Wlprs. Repert. II. 218. V. 770.)

1. • SM. PUBESCENS R. Br. — DC. I. c. no. 1. — Hook. Bot. Magaz. tab. 4364. — *Sm% Ulusiris* Eudl. mss. ex Wlprs. 1. 1. c. c. — *Bulowia insignis* Sebum. & Thonn? Pl. Guin. II. 21.

5098. PASSIFLORA Juss.

(DC. Prodr. III. 322. — Wlprs. Repert. IV. 219. & 934. V. 771, Annal. I. 319.)

1. P. (*Cieca*) KEGELIANA Grko. Linnaea XXII. 60. f — Scandens cirrifera: foliis membranaceis late ovatis acutis apiculatis, integris vel utrinque unidentatis quinque-

- viib. 2'A — 3'½ poll longis, t'A — 2y₄ poll, latis, eglandulosis, petiolis 8 lin. longis quadiangularibus biglandulosis, pedunculis geminis cerniformibus, flouibus pollicanibus Oavis, bncca globosa membranacea stipitata. — Crescit in sjlvīs Sunnamonsibus pi ope Maucposion
- 2 P (*Dccaloba*) MLDUSA1 A Lemane m Van Houttc. Floie des series IV. p 373b & V tab 52H — Paxt a Lindl. Flow gard I 89. fig. 59. — Caule tenui, anguloso sulcalo lenuissime pubescendo (jnnioro), stipulis linconibus nuuimīs retrorlexis, petiolis (subbipoll) eglandulosis, foln* bilobatis, lobi* romformibus obiu&is mucionulntis, l.Ucralitici rotund. Uis, trincnns, subtus glaucescenti-pmpurascentibus, intra nervos plun-), glandulosis ghermīs, cm is inter flores, flonbus gcminalis pams», involucre nullo. pedunculis (ulirapollis) 2—3-biatteatis, apice aiticulatis, calyce 5-partito, segmenlis expansis, basi m corpus cavuin carnosissimum connate lineanbus (pollic), margino in\oluto membriiiceo, coiolla cum calyce aicte connata 5-flda, lacinnis levolulo-dcdexib. calycib multo brevioribus concolanbus; coiona duplici, exlcra calycem non, supciante, ligulis numeiosib ilxuosib kermcsims paulis, lnleinn brevissima in coipus unum apice tiuncatum liberum connata, uiceolo smuato arcle corona mltrna undo odort sublili — Habitat in America mendionali.
- j P. FLORIBUNDA Lemaire in A an Houlte, Flore des seires IV p 335b — Tola te. nuissunc inullier >clulina cane&cuns c^landulosa caule ramisque cjilindnciB, involucio nullo euro cum folu^ inscilo, slipulis parvis lmeaubus, peliolo pollicau tereti, foliib mlobalis (ianus expanse Inlobitis) basi couialis, lobis lateiahbus clongatis allenuatis acuU-s, mucionulo ICCUIVO, mulio vix pioducto iriangulan aut elongaio. flonbus sex (am amplius?) minimi^ albcscenlibus, pedicellis ufiiflon* IHc\issimis, basi In icca fuicaiim lnflda unoquoque munilis, dein nudis vel rraus medio bracteola sunplici (cl 2—3 - fltla sufTulib, peigomo dccalobo, scgmeiilis internih mullo brevionbus, urtcolo nullo, corona ligulau duplici, cxler pelalis biCMOic Molaceo-albida, inlci. in torum apice arete cur\ata m lubum connata dense plicata, cusia hyahno-papillosa. — In Nova Gianada.
- 4 P. (*Granadilla*) Gike Linnaca XXII 60 f— Glabemma scandens cirrifera. folns quiiKiucnerviis, sublus paulo pallidionbus, mflmis late ovalis oblusis intcgernmis mucronaus, caeteri^ tulobis, basi subcoidatii>, lobis oblongis obtusis mucionatis liitegeirimis (el ba^i lantum glanduloso - serratis, sinubub eglandulosis, petiolis 5—6-glandulosis, glandule lercti-clavalis, stipulis magnis semicoidntis integns, pedunculis petiolum duplo supciantibus uiiflons tnbiateaiis, bracteis calycem fere aequantibus laxis ovatis ^cl oblongis mucronatis; corona (HamenO)Ba dupliu. mtciou brevissima. cxienon petalis dimidio breviori, tubo ca^chit) semtgioboso — Crescit in sjlvīs Surmamensibus
- 5 P. NhlLLLI Regel, Flora (B. Z) XXXH. 184 - Glabra folns cuncatis tupartitis. sublui glaucis, lobis anguste lanceolatis, glanduloso -serratis, petiolis apico biglandulosis, siipulis somicoidalis glanduloso-senalis, pedicellii, a\illaubus umflons, bracteis e babi subtordata lanceolalis, glanduloso-serratis, calyce 10-sepalo, sepalis qumque exieunbus sub apice mucionatis, corona vix calycem dimidium aequante. — Flores albi, coiona violacea — Crescit... .?
- b. P AMAIHLIS Hook Bot Magaz tab. 4406. f - Caule giacih teiet; folus membra* nactis. ovatis acutis integernmis; stipule ovalis acunimatis integernmis, pctiolo gKmdulos,o bicvionbub, pedunculo solilano unifloro sub floie involucrato, involucn 3-pbjlh foliohs ovato-iotundatii, majuscuhs, sepalis petalisquo conrorinibus (mlus rubns), coronao filamentis subquadnwrteis (albis) renanthio brevionbus. — Habitat . . .
7. P AFFINIS Engelm. Bost. Jouin. of nat hist. VI. 233 f — Herbacea sccondens claw glabia folns tnlobis, subtus giauus peiiohsque eglandulosis, inftnonbus subconla* us, supenoiibus basi subaculis, lobis subaequalibus obovatis obtasis setaceo-muero-

nalis integris; stipulis setaceis; pedunculis binis petiolum aeffuantibus vel superantibus iribracleatis; cirro intermedio elongato simplici; petalis calycis lobis obusis brevioribus et angustioribus (flavescentibus); baccis (caeruleo-atris) stipitem aequalibus. — Crescit in republica Texensi;

t *Seotlonls dubiae.*

8. P. TENUILOBA Engelm. mss. ex A. Gray, Bost. Journ. of nat. hist. VI. 192. f — Petiolis brevibus eglandulosis; foliis supra pilis brevibus subscabris, subtus glabriusculis trinerviis reticulatis, basi biglandulosis, subcordatis trilobis, lobis lateralibus lanceolato-linearibus elongatis cuspidatis, horizontaliter divergentibus vel recurvatis, medio brevissimo, in foliis inferioribus integro, in superioribus breviter trilobo; stipulis sciaeis; pedunculis binis petiolum bis superantibus; cirro elongato simplici; floribus involucriatis apetalis; calyce quinquelobo virescente. — Crescit in republica Texensi.

+ f *Icon addenda.*

- y. 1) FILAMENTOSA Cav. - (DC. 1. c. 330. no. 100.) — Van Houlte, Floro des serres VI. tab. 543.

509%. CROSSOSTEHTntIA *Planchon.*

(Planchon in Hooker, Niger Flora 364.)

Calycis tubus brevissimus patelliformis, lacinae 5 ovatae, obscure uninerviae, aestivatione valde imbricata. Petala 5, tubo calycino inserta, sepalis subconformia, sed majora et magis colorata, et distincte 3—5-nervia. Corona e filamentorum serie unica ad basin petalorum composita. Gynophorum brevissimum expansum in discum depressum, dentibus seu appendicibus marginalibus 5 brevibus erectis acutis cum staminibus alternantibus. Stamina 5, ad marginem disci inter dentes inserta, filamentum in alabastro brevissimo, anthera magna oblongo-hernari. Ovarium in medio disco sessile, oblongo-triquetrum, superne in stylum brevem attenuatum. stigmatum magno dilatato integro coronatum/inclus uniloculare, placentis 3 parietalibus, ovulis in quaque placenta plurimis biscriatis.

1. CR. LATIFOLIUM Planchon 1. c. 365. f — Frutex scandens glaberrimus. Folia alterna petiolata oblonga, breviter acuminata integerrima, basi acuta, 3—4 poll, longa subcoriacea nitidula, utrinque venosissima eglandulosa vel ad apicem petioli obscure biglandulosa. Cirri ex axillis sterilibus onj. Inflorescentiae axillares solitariae, pedunculo communi semipetali cymam ferentem laxam paucifloram flexuosam, ramis ultimis 3 lin. longis, medio articularis (pedicellis unifloris terminatis). Bractae minutae* setaceae vel nullae. Flores ex scheda Doniana lutei, (semipollicem diametro?) in specimine nondum aperti. Sepala et petala in alabastro subsimilia late ovata obtusa concava et crebre lineata - punctata, haec vero evidenter colorata et venis 3—5 percurta, illa viridiora, extima minora, et vena unica brevi additis rarius 2 brevissimis lateralibus notata. Fructus ignotus. — Habitat in Sierra Leone.

5101. TACSOHTIA *Juss.*

(DC. Prodr. HI. 333. — Wlprs. Repert. II. 221. V. 773. Annal. I. 319.;

1. T. (*Distephana*) SUBCORIACEA Grke. Linnaca XXII. 62. f - Caulo glabro teretibus striato; foliis glabris vel subtus puberulis, membranaceis vel subcoriaceis, ellipticis

vcl oblongib acuminata mucionalis integemmis vcl levitei undulato-repandib penni-
neivus 2 1/2—4 poll longib 1—1 1/2 poll latis, brevilei pttiohtis supia paululum m-
lids subtus glaucc^ctnlibus, potioli* paulo supra basin biglandulosis, pedunculo
qureter sexicsvt bmionbus 4—5 lin longis pedunculis lioemosis, nro simpheci-
bus stipulis*el\iguir. !>ctaceij> bnclns 3 c\igui* subulaiis, supra basin biglandulosis
i (lore rubio lemotiusuilis tulio caljcino pollican, sepalis oblongis obtusis longe
mucronanti> V/ poll lon₀is pcdllia oblongis obtusis non mucronalis sepila sub-
icquaniubub coiolt filimtnlosi sqnlis b—8-plo brevioro - Cie^cit in sjlvris maxi-
mis Suinnnieisibus prope Maiepasloii

t loon addenda.

T MANFCATA Juss — DC 1 c 334 no 8 — Paxt 8c Lindl Flow gud I 13t f
nb 26

5103 MODECCA *Linn*

(DC Piodi III 336 — Wlpis Report II 222 V 774)

- 1 M AD\SSINIFA Ilcbst mss in A Rich Tent fl Abyss I 297 — Caulo subarbores-
ceme minis clon₀niis volubilibus cimfcii^ glabns glaucis folns alicims petiolatis
hi si subcordatis pilmato - 5 - lobis , lobis lmequilibus oblongis, subovalibus obtusis
inic^iis am sublobuhtis (prteseitim mtermedio), sinu obluso sepaiitis gldbns gliu-
cis glandula maxima ad bisio limbi in pagina supeiioie et glandula minima orbicu-
lan ad basin singuloium sinuum en us simplicibus flonbus masculis spicam crassam
axillarcem terctem eTormintibus — In Abyssmia
- 2 M, flISSAMPI LOIDIS Planchon m Hooker Niger Flora 365 f — Folns cordato - orbi-
cuhlis quinquenervus obsolete quinquelobis integerrimisqve membranaccis glabns,
subtus nlbis petiolo apice ghndulifero fl foem petilis Imcaubus ad basin loborum
cahcinorum msertis et us biCMonbus — Crescit in insula Fernando Po
- 3 M CYNANCHirOLIA Bntb in Hook 1 c 366 + — Folns coidilo-ovalib oblongisve
acummatis vix sinuatis mcmbianaceis concolonbus petiolo apice ghndulifero fl
inasc petalis oblongo - Imcaubus maigine flmbuatis ad basin loborum cahcinoium
in&tilis et cos subaequantibus — Ciescit in msula icinando Po
- 4 M (?) TENUiroiI\ Planchon 1 cit 366 f — holiis corddo -ovatis acummatis int<S-
b>Ti3 vcl sinuato - lobatis mombranaccis concolonbus poliolo sub apice biglanduloso
t\ misc petalis ovitis flmbuatis, propt bisin tubi calycmi inseitis et caljce plus
duplo bitvionbus — Cicbttil in Si en a Leone

Ordo XCIV. MALESHERBIACEAE *Dm.*

(Wlprs. Report. III. 223. V. 775. — M. J. Roemer, Famil. natur. regn. veget. synops. monogr. II. 208 — 211. — *Passiflorearum* trib. 3. *Malesherbieae* DC. Prodr. III. 31W.)

5108. MAL.ESHERBIA *Hz. Sf Pav.*

(DC. Prodr. III. 337.)

1. M. LIRANA Gay, *Histor. de Chile (Dot.)* IF. pag. 422. f — Humilis villosa luteo-viridis: caulibus decumbentibus subcaespitosis; foliis obovato-lanceolatis, quandoque ovalo-cuneatis, ad apicem crenatis sublaevigatis; flore helvolo-sordido; laciniis calycis ovalo-oblongis obtusis; corona subnulla; staminibus inclusis, demum exsertis. — Habitat in Chile.
2. M. RUGOSA Gay I. cit. pag. 423. + — Villosa subcaespitosa: caulibus decumbentibus lignosis; foliis rigidis ovato-lanceolatis aut ovato-cuneatis, ad basin attenuatis. valde rugosis, ab apice ad medium denticulatis, quandoque subintegris aut sublobulatis; floribus caeruleis; laciniis calycis linearibus lanceolatis? acutis; corona 6 lin. lata intergerina; staminibus inclusis. — Habitat in Chile.
3. M. PROPINQUA Gay I. cit. pag. 424. f — Humilis villosa ramosissima: foliis ovato-lanceolatis, ad basin in petiolum attenuatis subpinnatifidis, lobulis integris aut dentatis obtusis; laciniis calycis oblongo-linearibus obtusis, peduce tuboque longioribus; staminibus liberis; flore caeruleo. — Habitat in Chile.

Ordo XCV. LOASACEAE *Lindl.*

(*Loaseae* Juss. — DC. Prodr. III. 339. — Wlprs. Report. II. 223. V. 776, *Annal.* I. 320. 8c 974.)

5110. ACROLASIA *Prsl.*

(Wlprs. Report. V. 776. *Annal.* I. 32D.)

1. A. SOLIERII (Gay, *Histor. de Chile (Bot.)* II. p. 430. f — Caule albo crecto parce aspero; foliis asperis, inferioribus linearibus lanceolatis obtusis, in petiolum attenuatis sinuatis, lobis rotundis. intermediis et superioribus sessilibus ovato-lanceolatis aculis integris; corollis minutis; laciniis calycis 1 lin. longis, duplo triplove tubo brevioribus et petala subaequantibus; capsula subcylindrica 6 lin. longa, lineam lata. — Habitat in Chile.

5111. MEITZERIA Linn.

(DC. Prodr. III. 343. — Wlprs. Report. II. 223. [ex p.] V. 776, Annal. I. 320.)

- i. M. CHILENSIS Gay, Histor. de Chile (Bot.) II. p. 431. — Basi sublignosa asperrima parce viscosa. foliis ovatis obtusis lobatis, lobulis rotundis, parum profundis, inferioribus oppositis subpetiolaribus, quandoque alternis sessilibus, sensim minoribus; floribus aurantincis; laciniis calycinis linearibus lanceolatis, tubo duplo longioribus et petala subaequantibus. — Habitat in Chile.

5112. MICROSPERUA Hook.

(Wlprs. Report. V. 777, Annal. I. 320. ft 974.)

- i. M. BARTONIOIDES Wlprs. Report. V. 777. no. 2., Annal. I. 974. no. 2 — Hook. Bot. Magaz. tab. 4491. — Van Houtte, Flore des serres V. tab. 532.

5111/2. HUIDOBRIA Gay.

(Gay, Histor. de Chile [Bot.] H. pag. 438.)

Calyx cupuliformis, laciniis 5, linearibus longissimis et demum deciduis. Petala concava sessilia hirsuta. Squama quadrata calciformis, ad apicem scindens, dentibus rotundatis, cirro cylindrico coronatis. Stamina in fasciculos 5 disposita. Ovarium cum calyce connatum, stylus simplex. Capsula ovata unilocularis usque ad medium 5-valvis, valvis medio placentiferis. Semina creberrima minuta laevigata.

1. H. CHILENSIS Gay l. cit. pag. 440. + tab. 26. — Hispida -aspera: caule albo crasso lignoso, epidermide laxa veslito; foliis linearibus-obtusis angustissimis canaliculatis integris aut rarissime parce lobulatis, utrinque pube glochidiata asperrimis; petalis flabribus hirsutis concavis subunguiculatis, laciniis calycinis duplo brevioribus; squamis subquadratis, parte superioribus crassa saccata, apice 6-dentata, dentibus minutis rotundis, cirro coronatis; fructibus ovalis asperis. grosse et breviter pedunculatis; seminibus creberrimis minutissimis laevigatis. — Habitat in Chile.

5113. BARTOSTIA Sims.

(DC. Prodr. III. 339. — Wlprs. Report. II. 224.)

1. B. WRIGHTII A. Gray, Plant. Fendler. p. 48. adn. (sub *Menziesia*.)— Annuum hirsutulosum scabra: caule (bipedali) simplici vel paniculato; foliis oblongo-lanceolatis grosse sinuato-dentatis, inferius in petiolum attenuatis, superioribus basi truncata vel subauriculato-dilatata arete sessilibus; bracteolis 1—2 linearibus integris, ovarium adaequantibus; floribus parvulis ochroleucis; petalis 10 lanceolato-spathulatis, laciniis calycis vix superantibus, ovario cylindrico brevioribus; filamentis omnibus linearibus subulatis, exterioribus paulo dilatatis; placentis tribus polyspermis; seminibus alatis. — Crescit in republica Texensi.

5114. LOASIA Adam.

(DC. Prodr. III. 340. [excl. sect. I.] — Wlprs. Report. II. 225. V, 779.)

1. L. ALDUNATEA Gay, Histor. de Chile (Bot.) II. pag. 442. + — Parce hispida erecta ramosa rigida: foliis omnibus oppositis simplicibus, grosso et inaequaliter dentatisob-

- longo-ovatis aculis lanuginosis, in petiolum decurrentibus-, superioribus sensim minoribus subsessilibus, quandoque integris; floribus terminalibus subpaniculatis; calycis laciniis petalis duplo brevioribus. *- Habitat in Chile.
2. L. ARNOTTIANA Gay I. cit. pag. 446. f — Oebilis prostrata ramosa hispida: foliis oppositis petiolatis oblongo-ovalis 5 — 7-lobatis, lobis grosso dentatis aculis; paniculis alternis; calycis lobis oblongo-ovatis, petalis duplo brevioribus; petalis inlogris concavis lanuginosis hirtisque, 5—6 lin. longis; squamis apice bidentatis, dorso infra medium 3 cirris instructis. — Habitat in Chile.
3. L. SOLANIFOLIA Gay I. cit. pag. 449. + — Erecta debilis hispida: foliis ovatis acuminatis, omnibus petiolatis, 3—5-lobulatis, lobis acutis parum profutidis, saepe cum dentibus commixtis, basi subcordatis, inferioribus deltoideis; floribus axillaribus, breviter pedunculatis; lobis calycinis lineari-lanceolatis aculis, petala acquamibus, saepius superantibus; squamis concavis. apice bidentatis, ad basin 3 appendicibus oblongis membranaceis insiructis; fructibus nutantibus. — Habitat in Chile.
4. L. BARNEOUDII Gay I. cit. pag. 452. f — Caule pilis rigidis, sub lente glochidiatis Aestivo; foliis oppositis villosiusculis, inferioribus longe petiolatis triangulatis, parce cordatis 3 — 5-lobatis, lobis magis minusve profundis rotundatis, superioribus sensim minoribus, breviter petiolatis, floralibus sessilibus lacinalibus, laciniis linearibus lanceolatis; floribus minutis; calycis laciniis petalis longioribus. — Habitat in Chile.
5. L. INTRICATA Gay I. cit. pag. 455. f — Hirsuta intricata: caulibus prostratis bifurcatis divaricatis; foliis omnibus sessilibus cordatis rotundato-palmatis, lobis lineari-lanceolatis acutis integris; pedunculis axillaribus longis; lobis calycinis lineari-lanceolatis acutis, petala subacquantibus; squamis crassis concavis, apice obuse bidentatis, infra et ad dorsum 3-appendiculis; fructibus parum villosis serialis conico-hemisphaericis. — Habitant in Chile.
- *k L. DISSECTA Gay I. cit. pag. 457. -j- — Caule cretiusculo valido subramoso, epidermide laxa villosa; petiolis oppositis, inferioribus clongatis, superioribus sensim minoribus; foliis tripinnatifidis, segmentis ullimis ovatis obtusis; pedicellis brevibus ex dichotomia; lobis calycis anguste oblongis, petalis plus duplo brevioribus. — Habitat in Chile.
- v. L. MULTIFIDA Gay I. cit. pag. 457. f tab. 27, — Erecta: caule rigido valido ramoso; foliis oppositis profunde tripinnatifidis, laciniis ultimis linearibus acutis, inferioribus longe petiolatis, superioribus sessilibus, floralibus alternis; calycis tubo brevissimo, laciniis linearibus lanceolatis, petala aequantibus; squamis bilobulatis, dorso ad basin triappendiculatis, intus flammulis triarticulatis 2 instructis. — Habitat in Chile.
- H. L. REMII Gay I. c. 462. f — Caule subglabro volubili, epidermide laxa villosa vestito; foliis oppositis petiolatis, parum asperis, saepius 3-palmatis, lobis inaequalibus, medio lanceolato integro producto, lateralibus latioribus bilobulatis; floribus albis minutis longe pedunculatis; calycis laciniis oblongo-lanceolatis, basi subangustis, petalis duplo brevioribus. — In Chile.
9. L. PIGTA Hook. Bot. Mhgal. tab. 4428. f— Van Houtte. Flore des serres V. tab. 439.— Erecta debilis dichotoma parce pubescenti-pilosa: caule, ramis, petiolis pedunculisque pungenti-sotosis; foliis rhombo-ovalis lanceolatisve acuminalibus acutis lobatis serratis, inferioribus petiolatis, superioribus (bracteisve) sessilibus; racemis terminalibus foliosis, pedicellis clongatis; ovario bispidissimo; petalis sterilibus ovatis acuminatis, basi cucullatis, apice bifidis, lobis calycinis petalisque reflexis. — In Andibus Chacapoyas.

5118. BLIUIICB]irBA€HIA Schrad.

(DC. Prodr. III. 340. — Wlprs. Report. II. 227. V. 781.)

1. BL. ESPIGNEIRA Gay, Histor. de Chile (Bot.) II. p. 434. f—Erectiuscula: caulo subnudo, epidermide laxa vestito; foliis longe petiolatis bipinnatisectis hispido-ureniibus, subtus pube glochidiata scamis, segmentis linearibus aculis; floribus luteis hirsutis, superioribus.

ribns sessilibus, inferioribus brevior pedunculatis; squainis apice inlegris, exlus el ad dorsuin 3 appendieibus niiformibus crassis insinictis, inlus 2 pelnoideis geniculis lateralibusque; pislillo persisicntc, petala aubaoquauli; fruclibus cylindricis, spiralliler costalis nulanlibus. — Habitat in Chile.

2. DL. PRIETIA Gay 1. cit. pay. 435. f — Subacaulis liispidissima: foliis longc petiolalis 3 — 7-lobnlis, lobis niagis minusvo profundis oblusis crenalis; lloribus birsulis lutcis, in apicc" scapi et axilla folii brevissimi sessilibus; squamis apice inlegris, dorso ad medium 3 appendieibus crnssis cylindricis acuminalis. inlus 2 pelaloideis ercctis, suinino cirroso. — ffbitat in Chile.

Ordo XCVI. TURNERACEAE // n. knth.

(DC. Prodr. III. 315. — Wlprs. Repcn. II. 228. V. 7b2.)

5056. TIIRISTERA Num.

(DC. Prodr. III. 34G. - Wlprs. Report. II. 228. V. 782.)

1. T. ALBA Licbm. Ann. des sc. natur. (3. Ser.) IX. p. 318. — Floribus sessilibus lerminalibus subsoliluriis bibraccolatis; corolla (mag-niudine *Ilosac caninae*) alba ad unguis flavida; petalis late oljovalis crenulalis; slylo stamina parum superante profunde tripartito, stigmatibus 3 tripartilis plumosis; foliis ellipticis, grosse et irregulariter serratis, utrinque pubescenlibus, sublus cano-virentibus, basi cuneatis biglandulosis pctiolatis. — Crescit ad ripas lluminis Rio de las Yuctas prov. Oajacac rcipublicae Mexicane.

5057. PIRIHUETA Aubl.

(DC. Prodr. III. 348. — Wlprs. Report. II. 230.)

- J. P. FOLIOSA Grcko. Linnaca XXII. 63. f — Foliis imbricatis. anguste ovato-oblongis aculiusculia, remote et obtuso crenalis, supra tuberculalo-slellaiim pilosis et nonnullis pilis simplicibus longioribus intermixiis, sublus pallidioribus tomentosis, in nervis pilis stellatis obsitis, brevissime petiolalis; pedunculis axillaribus unifloris, folio paulo brevioribus. — Crescit in Surinam ad vias propc plant. Quarla.

5058. WORISKIOL.DIA Schum. y Thonn.

(Wlprs. Roperi. Y. 782.)

- I. W. SERRATA Hochlist. - Wlprs. 1. c. no. 1. - *Streplopetalum serratum* Hochst. mss. (nee *Sir. secretum*, quod sphalihatc typographico I. c. legilur.) - *Wormskioldia Abyss** smca A. Rich. Tent. flor. Abyss. I. 299. cum descriptione nostra exacte convenit.
-

Ordo XC VII. PORTULACĒAE *Juss.*

(DC. Prodr. III. 351. — Wlprs. Report. II. 230. & 931. V. 783, Annal. I. 321. & 974. — *Ficoideae* Juss. — DC. Prodr. III. 415. ex p.)

Tribus 1. *TETRAGONIEAE* Fenzl.

5164. *TETRAGOJVIA* Linn.

(DC. Prodr. III. 451. — Wlprs. Report. II. 230*)

1. *T. MARITIMA* Burneoud in Gay, *Histor. de Chili* (Boian.) II. p. 469. f.—Frutex 2—3-podalis ramosus erectus: ramulis subulbidis pubescentibus; foliis alternis oblongo-lanceolatis sessilibus, basi attenuatis obtusis integerrimis carnosissimis, utrinque adpressis pilosis, 1 poll., fere longis approximatis; floribus secus ramos axillaribus solitariis pilosis, folio brevioribus pedicellatis; calyce quadrifido, basi roseo; stylis 3, ovario triloculari, loculis uniovulatis; seminibus? — Habitat in Chile.
2. *T. ANGUSTIFOLIA* Darneoud in Gay l. c. p. 470. + — Adprossa pilosa: pilis ramorum squamiformibus; caule ramosissimo patulo, basilignoso; ramulis foliosis; foliis linearibus angustis obtusis integris semipollicaribus subcanescentibus; floribus geminis solitarie pedicellatis axillaribus et dispositis secus ramulos, parvis; pedicellis folio duplo vel triplo brevioribus; calyce quadrifido; stylis 4-stigmatosis, ovario quadriloculari; seminibus? — Habitat in Chile.

Tribus III. *SESUVIEAE* Fenzl.

5170. *SESUVIAE* L.

(DC. Prodr. III. 453. — Wlprs. Report. II. 233. V. 784, Annal. I. 321.)

1. **S. PENTANDRUM* Ell. — A. Gray, *Gen. pi. fl. Am. bor.* I. 229. t. 100.

5170. *PSAMMAXTHE* Hance.

(Hance, *Plant. nov. Austr. Chin.* diagn. inedit. ii. p. 13.)

Calyx tubo (vel potius floris receptaculo) brevi, lateraliter subcompresso, late obconico, intus planiusculo, inferne cum ovario ima basi subconnato, limbo basin usque 5-partito, laciniis aestivatione imbricatis, triangulato-lanceolatis, intus et marginibus petaloido-coloratis, apice fornicatis dorsoque acuminatis, alternis obliquis, margine scilicet petaloideo aliter magis evoluto. Corolla nulla. Stamina plurima (40—50), *sumff* calycis tubo circulariter inserta, filamenta libera inaequilonga subbilata, antherae ovaes biloculares versatiles longitudinaliter dehiscentes. Ovarium basi adnatum, profunde 4-sulcatum 4-loculare. Ovario plurima, septis ope funiculorum distinctorum affixa. Stylus fere ad medium 4-fidus, lobis teretibus, inclusis stigmatosis. — Flores

axillares solitarii, breviter pedicellati. Calyx intus carneus. Antherae roseo-purpureae. Fructus ignotus. — Accedit ad genera *Trianthema*, *Pyxipoma* et *Sesuvium*, sed ab omnibus distinctum.

1. P. MARINA Hance 1. c. — Herbacea diffuso-decumbens glaberrima: caulibus crassis teretibus rubris; foliis oppositis narnosis, basi membrana stipulari subscariosa connatis linearibus obtusis veniis. — Habitat in insula Praia (lat. bor. 20° 42' 55" long, orient. 116° 44' 55") in arena litorca.

5174. PORTULACA Tournef.

(DC. Prodr. III. 353. — Wlprs. Reperl. II. 233 tt 934. V. 785. Annal. I. 974.)

SPATIWLATAE A. Gray in Boston Journ. of nat. hist. VI. 154. adn.

Glaberrimae: caule tereti; foliis spathulatis obovalis; sepalis cum operculo capsulae maturae deciduis; petalis flavis emarginatis seu bilobis; capsulae annulo circulari tumido.

1. P. OLERACEA L. — A. Gray 1. c. — A. Gray, Gen. pi. fl. Am. bor. I. 227. tab. 99. — Foliis obovatis spatulatis, apice rotundatis; alabastro compresso ovato acuto; sepalis carinalis; staminibus 7—9; stigmatibus 5 stylum brevera superantibus; seminibus minoribus minute sub lente verruculosus nigris. — In ruderotis Indiae, Americae et Europae.
2. P. RETUSA Asa Gray 1. cit. — Foliis cuneatis retusis seu emarginatis; alabastro compresso orbiculato obtuso; sepalis late carinato-alatis; staminibus sub-15 (17—19, in plantulis 7—10); stigmatibus 3—4 stylura aequantibus vel eo brevioribus; seminibus majoribus sub lente echinato-tuberculatis nigricantibus. — Crescit in republica Texensi occidentali.
3. P. ANCEPS A. Rich. Tent. fl. Abyss. 1.301. f — Caule ramoso brevi suffrutescente carnosus, compresso ancipiti glabro; foliis alternis parvulis, inferioribus spatulato-oblongis, caeteris oblongo-linearibus acutis carnosus, axillis pilis longissimis fuscis ornatis; floribus terminalibus sessilibus 2—3, foliis verticillatis consimilibus coactis; capsula oblonga superne conica acuta glabra pilis longissimis cincta. — In Abyssiniae provincia Choho.
4. P. PSAMMOTROPHA Hance. Plant. nov. Austr. Chinens. diagn. inedit. II. p. 2. — Radicibus fasciculatis subtuberosis repentibus ramosis; caulibus teretibus succulentis caespitosis decumbentibus distichis ramosis; foliis alternis ovali-oblongis obtusis planiusculis carnosus crassis (linguiformibus), brevissime petiolatis saturate viridibus nitidis, axillis sericeo-pilosissimis; floribus terminalibus solitariis sessilibus, foliis perumque 5 involucratis; calycis rubello-albidi laciniis ovalis baud carinatis obtusiusculis; petalis 5 luteis obovalis, apicibus obtusissimis emarginatis vel brevissime acuminate, sepala duplo superantibus; staminibus circiter 30; stylo sursum incrassato apice 5-fido, segmentis recurvis stigmatosis; seminibus reniformibus minute impresso-punctatis nigris. — *P. tuberosae* Rxbg. et *P. suffruticosae* Wgbt. magis affinis. Caules radicesque cinereo-alutacei. Folia 3—5 lineas longa. Flores 9 lin. diametro. — Hucusque stirpis, ab omnibus hucusque descriptis speciebus reapse distinctae flores (licet, colore discrepantes) eos *P. Thellusonii* magnitudine et venustate aemulantur. — Habitat in insula corallina "Prata Island" (lat. bor. 20° 42' 55", long. or. 116° 44' 45' 0" a littora maris arenosa.

* * LANCEOLATAE A. Gray J. c.

Glaberrimae: caule angulato; foliis superioribus lanceolatis; sepalis vix carinatis, post anthesin deciduis; petalis plerumque versicoloribus acutiusculis; capsulae ala circulari lata ex calycis basi aucta.

5. *P. LANCEOLATA* A. Gray 1. o. — Suberecla: foliis inferioribus spathulatis obtusis, superioribus lanceolatis aculis; petalis obovalis seu oblanceolata acutiusculis seu cucupidalis; staminibus 7—27; stigmalibus 3—6; capsula turbinata versus apicem ala circulari lata cincta; seminibus majoribus echinato-tuberculatis cinereis.

a. *versicolor*: petalis majoribus obovalis rubris basi flavis; staminibus 12—24; stigmalibus 5—6 linearibus; capsulae ala orbiculari plana.

(*S. minor*: petalis minoribus oblanceolatis, saepe toils flavidis, rarius apice rubellis; staminibus 7—12; stigmatibus 3—4 ovaio-oblongis; capsulae ala subpentagona undulata. — Crescit in republica Texensi occidentali*!.

· · · *TERETIFOLIAE* A. Gray 1. c. 155. adn.

Ad axillas pilosae: caule tereti; foliis magis minusve teretibus, basi paulo produclis; sepalis membranaceis ecarinatis cum operculo capsulae maturae deciduis; petalis violaceis; capsulae margine circulari tumido.

- 6« *P. PILOSA* L. — A. Gray 1. c. p. 155, adn. — Sepalis lineari-oblongis; petalis ovato-oblongis obtusis retusis seu emarginatis duplo brevioribus; staminibus 15—25 stigmatibus 5—6 subaequantibus; seminibus minutis nigris opacis minute tuberculatis. — Crescit in Texas, Nova Mexico et in Mexico.
7. *P. GILLIESII* Hook. — Wlprs. Repert. II. 234. no. 8. — A. Gray 1. c. — Sepalis orbiculato-ovatis; petalis orbiculato-obcordatis ter quaterve brevioribus; staminibus numerosissimis (60) stigmatibus sub-5 exsertis longe brevioribus; staminibus paulo majoribus tuberculatis cinereis nigris. — Crescit in Chile.
8. "*P. FOLIOSA* Ker. — DC. 1. c. 353. — Bnth. in Hook. Niger Flora 374. — *Portulaca prolifera* Sebum* ft Thonn. — Wlprs. Repert. II. 233. no. 5.

Tribu% V. *CALANDRINIEAE* Fenzl.

5178. *TALIBTUJOE* Adam."

(DC. Prodr. III. 356. — Wlprs. Repert. II. 234 & 934. V. 786.)

1. *T. CALYGINUM* Engelm. mss. ex A. Gray, Plant. Fendl. 14. no. 72. — Rhizomato crasso; caulibus deraum ramosis; foliis subtercibus clongatis, basi triangulari productis; pedunculis elongatis nudis; cyma bracteosa; sepalis 2 ovato-orbiculatis basi producta cuspidatis persistentibus; petalis fugacibus calycem superantibus; staminibus sub-30; stylo elongato (declinato); stigmalibus 9 tribus abbreviatis. — Crescit in Nova Mexico.
2. *T. AURANTIACUM* A. Gray, Boston Journ. of nat. hist. VI. 153. — Radice luberosa; caule ascendente herbaceo ramoso patulo folioso; foliis lanceolatis seu lineari-lanceolatis subsessilibus carnosissimis; floribus axillaribus singulis; pedunculis supra basin articulatis bibracteolatis, fructiferis reflexis; aciculis ovatis acuminatis tricarinatis, fructiferis subsessilibus; petalis ovatis mucronatis; staminibus sub-25; seminibus lineis gyratis carinatis; Pratriis tenuissimis transversis eleganter notatis. — Crescit in regno Texensi occidentali.
3. *T. SARMENTOSUM* A. Gray 1. c. p. 153. — Radice crassa; caule prostrato; ramis debilibus sanne-Hiosis usendentibus foliosis; foliis carnosissimis ovatis cuspidatis, basi truncatis subsessilibus; cymis axillaribus bracteatis subtrilocis (rarius compositis)

\oisut ipiccm lixe paniculate fionbus lon^c pedictlhlis stpalis o\ulis cuspidal)*
nimbriateis deciduis, slaminibus sub-15 scinibus nigns niitentibus, sub lence It-
nuiLi.tubuulialis — Crceui in upullicd Txcusi ad ^eubldunfcls

i Icon addenda.

- 1 II III IUOLIUM Pish — DC. 1 t. no 1. — Asa Gay, Gen. pi 11. Am boi I -tt>.
tub 9S

5179 CAIAWDRMflA // B. Knlh.

(DC Piodi III 358 — Wlprs Reperl II 235 V 780)

- 1 C (OMPACTA Baineoud in Gaj, Hisloi de Chile (Dot) II. pag.481.f- Pdivd acau'i*
glabia* lhi/omale muUiupiu compacto ptienru, fohr* > iy₂ poll longis, losulatinl con-
fute lineanbus dngustissiniis acutmsculis, ad basin m maigine membriateis caino-
sulis glabus intti,us, pedunmlis iddicalibus umllois nudis plunbus, folio 2—3-plo
bievioubus flonbus albis glibus anlhtns glilins, stjlo uno elongalo, sligmatibus
3 libcus dlio-purpuici'), sminibus nilidis — Habitat m Chile.
- Z C OBLOINGirOMA nmeoutl m Gaj 1 cit pn_o' 482 f — Glabra- caule herbaceo, basi
piotnimbLMiL mnoso folioso i imulis djuce lloifcus, folns oblongis. carnosus oblongis
irilio_{ns}, b isi in petiolum atlonmlis, alteinis, lloubus albis coiyrnbosi-s pedicellD_s.
tdlju^ s(guicniib integris libens pubculis, stjlo uno brevi, sligmatibus tubus cras-
sis scminibus glabus — Hbildt in Chile
- 3 (, COQUIMDENSIS Baineoud in Gay 1 cit pag 483. f — Glabia radice annua. caule
bibi piosiralo, parum rdmoso 5—7-poll , foliis oblongis, in petiolum allennialis obtusis
glabiis cainosulis integns, llonbus candidis, laxc pamculatis ad apicem rami, bra-
cleolis neuli^ pedicullo bnvionbus. stjlo uno brevi, sligmatibus 3, crassis. semimbu^
spinulosus — Hbildt in Chile
- 4 C LOLUIAGl LVSIS liarcoud in Gn\ 1 cu pafe. 483. f — Glabia acaulis ihizomate
ciasso liguoso folns omnibus indicibus angustis lanceo_{alis}, 1 — 3 poll longis, basi
utcuaiis acutiuhculis jntc_{ns} cia^sis glabus, rosulalun tonferlis, pedunculos supe-
lanilms pedunculis nudis glabus umlloris radicalibus. Uoubus violacois glabiis, stn-
limbus glibus , stylo uno, sligmatibus inbus hbeus, semmbus nilidis nigris —
Habilit in Chile
3. f IUPrsrms nuucoml in OJJ 1 cil. pag 485 t — Glabia caulo 1—2-poll. multici-
pili caespito-so, foli> b.isi concilis anguste lineanbus carnosus acutis integris semi-
polhciaibu^ pedunculo indicli nudo simplici unifloro, 3—4-plo folns longion, florJ*
bus Mjliiiiui> puipucis nudis, shlo uno bievi^simo, stigmatibus 3, ciassis subcoa-
lilis, si minibus glabiis lugulosus. — Habitat in Chile.
- 6 C. PISILI V Baineoud in Gay 1. cit png 485 f — Pusilla glaberna caule herbaceo
unuili |>iostia(o folioso, parum ramoso, ladico llhformi, folns oppositis ovalo-hneari-
bus oblongis nuop_{iis} glabus carnosus, 6 — 8-lin , flonbus rubellis^o minims 4 — 5.
pedicellatis ct dxillanbus ail apicem cauhecoloruni, calyus segmentis oblongis integ'n'Sj
stylo subnullo, stigmatibus 3 libens, cap^ula uniloculan tnspeima, scminibus nigr>^B
lugulosus — Habitat in Chile
7. <. AMI LIFLORA Barneoud in Gay 1. c pag 486 f — PuCTRens caulibus plu-
nuns loliosi^, 5 — 16 poll, longis herbaceis procAnbenlibus, ladicc annua, folio
caulmis et radicalibus rhombeo - lanceolatis, in petiolum magis minusve longum
nualis oblongis, m maigme ciliato - hispidis integns allornis. pedunculis ax*
lanbus et solitains secus caules. uniflons. folio sublongionbus. llonbus purpureis

calycis segmentis integris pilosis stylo uno elongato, stigmatibus 3, libens serai-
nibus rugulosis

vai a minor caule humiliori puberulo, foliis acuminatis. — In Chile

8. C MACILENTA Darneoud in Gav 1 cit pag 488 f— Puberula radice inermi caulibus
pluribus ascendentibus foliosis simplicibus multinerviis 6—10 poll longis apice pauci-
foliis radicalibus rariis vel lancochto-abbreviatis obtusis paucis in longum
petiolum attenuate integris ciliatis ciliis oblongis ipici liliobus aculis cilio-
hatis flonibus purpureis paucis leiminibus pedicellatis caulis scamentis integris,
in dorso nervo medio constito-pilosis, stylo uno, stigmatibus 1, liliobus scimus
rugulosis — Habitat in Chile
- 9 C GAUDICHAUDII Barneoud in Gav 1 cit pag 490 f— Glabra radice annua cauli-
bus plurimis prostratis simplicibus foliosis herbaceis, 5—15 poll longis ad apicem
foliis gerentibus foliis filiformibus margine acutis spatiosis glabris vel paucis puberulis
elongatis, flonibus purpureis paucis, necnec pedicellate pedicellis gracilibus urn-
fons, sothane axillaribus, calycis segmentis integris, ad medium coalitis, in dorso
nervo medio constito-pilosis, stylo uno brevi, stigmatibus tribus, semmibus glabris —
Habitat in Chile
- 10 C LONGISCA Barneoud in Gay 1 cit pag 492 f— Glabra radice annua caule
simplici nudo, basi folioso, apice parum ramoso, 12—18 poll longo erecto foliis obo-
vatis rotundatis obtusis immixtis, radicibus in petiolum allenuatis carnosissimis flonibus
purpureis, hinc coimbratis terminalibus pedicellatis glabris. calycis segmentis
integris stylo uno elongato, stigmatibus 3, crassis libens, semmibus rugulosis —
Habitat in Chile.
- H C FEISZLII Barneoud in Gay 1 cit pag 493 f— Glabra caulibus plurimis simplicibus,
4—8-poll longis basi foliosis erectis foliis linearibus apice acutis et liliobus, basi
attenuatis, margine glauco-glabris carnosissimis 3—5-poll longis flonibus rubellis, subum-
bellatis corymbosis 6—8 pedicellatis glabris bracteis scanosis, acutis pedicello bre-
vioribus calycis segmentis obtusis scanosis integris, stylo uno, stigmatibus 3, libens
semmibus nitidis. — Habitat in Chile
- 12 C RHIGIDA Barneoud in Gay 1 cit pag 495 f— Glaberrima radice perenni hirsuta
caule suffruticoso caespitoso, 2—4-poll ramo folioso ramulis apice floriferis, foliis
parvis obovatis carnosissimis glabris, in petiolum allenuatis obtusis flonibus violaceis, 3—5
terminalibus, breviter pedicellatis baccatis scanosis pedicellos aequantibus, stylo
uno brevi, stigma tribus, semmibus rugulosis — Habitat in Chile
- 13 C CHAMISSOI Barneoud in Gay 1 cit pag 497 f— Glaberrima radice annua cauli-
bus simplicibus pluribus prostratis foliosis, 6—8 poll longis, apice flores gerentibus.
foliis anguste linearibus, apice liliobus acutis integris carnosissimis, radicalibus
longioribus, flonibus purpureis, laxe capillatis paucis breviter pedicellatis, pedicello
baccatis scanosis breviori, calycis segmentis scanosis aequalibus integris,
stylo uno brevi, stigmatibus 3, semmibus rugulosis — Habitat in Chile
- 14 G SPLENDENS Barneoud in Gay 1 cit pag 499 f tab 28 — Glaberrima caule basi
fruticuloso prostrato carnosissimo folioso, ramulis apice floriferis. foliis anguste lineari-
bus acutissimis integris glabris, basi attenuatis, flonibus roseis maximis 2—4 pedi-
cellatis, pedicellis bracteola longioribus, calycis segmentis acuminatis integris glabris,
stylo uno longo, stigmatibus 3, elongatis; semmibus glabris, parum in margine mem-
branaceis — Habitat in Chile,
- 15 C SALSOLIDES Barneoud in Gay 1 cit pag 502 f— Glaberrima caule basi lignoso pa-
tulo, demum erecto ramoso, ramis foliosis 8—15 poll longis foliis semiterminalibus
obovatis-suborbiculatis crassis succulentis apicibus inlegemibus flonibus spureis
terminalibus dense spicatis in sessilibus bracteis biaculis in bracteis apicu-
latis, stylo uno, stigmatibus 3 elongatis, semmibus glabris margine — Habitat in
Chile

16. *C. DENSIFLORA* Barneoud in Gav 1 cit pag. 503 f — Glabra radice annua caule debili, basi prostrato ramoso ramulis paucis foliosis ascenduntibus, foliis obovato-oblongis*, carnosius obtusis, in petiolum attenuatis integris glandulosis, foliis lobellis dense glomeratis* lernnibus A et in ramis lateralibus nuclealis subsessilibus, bracteis scariosis interstitiis hinc, florem subaequantibus, stylo uno stigmalibus 3 libens seminibus. — Habitat in Chile
17. *C. GAYANA* Darneoud in Gav I cit pag 503 f — Caule basi lignoso procumbente ramoso ramulis f, libris 3—4 poll longis foliis linearibus ingubermimis carnosius integris gibus* iucius alternis, basi sessilibus et in margine uliolatis, pedunculo communibus floribus violaceis 6—10 corimbosis pedicellis his bis aequales, pedunculo communi apice dichotomo caecis glanduloso-piloso et paucis denticulato, stylo uno brevi, stigmalibus 3, laxis seminibus nilidis — Habitat in Chile
18. *C. MINUTISSIMA* Darneoud in Gay I, cit pag 594 — Minutissima pilosa radice filiformi annua caule unciali tenui folioloso simplici foliis brevissimis linearibus angustis obtusis integris utrinque pilosis foliis rubellis? minimis paucis. solitariis axillaribus et terminalibus pedicellis folio bicoloribus calycis segmentis pilosis denticulatis, stylo uno, siliis malibus laxis, seminibus glabris — Habitat in Chile
19. *f. SVXIFRAGA* Buncoud in Gav 1 cit pag 506 f — Globosa caule rarissimo, basi prostrato lignoso 5—7-poll ramis ascenduntibus foliosis foliis paucis ovato-lanceolatis sulcatis. Imis in petiolum attenuatis Integra carnosius glabris appropinquatis alternis foliis vinoso-purpureis, 1—4 terminalibus pedicellatis, pedicellis basi unifoliolatis calyce denticulato glabro stylo uno elongato, stigmalibus 3 libens crassis seminibus multidis — Habitat in Chile.
20. *C. AUREA* Darneoud in Gav 1 cit pag 510 f — Rufo-villosa radice annua caulibus pluvialis simplicibus, 6—13 poll longis pilosis foliosis foliis anguste hincibus, acutis utrinque rufo-pilosis integris, radicalibus magis elongatis, foliis purpureis, dense caputatis, terminalibus et lateralibus bracteis capitulorum linearibus, florem supracaulibus calycis segmentis aureo-villosissimis, apice 1—3-denticulatis stylo uno cinis stigmalibus 3 libens, seminibus nilidis, pilis simplicibus — Habitat in Chile
21. *L. POTENTILLOIDES* Darneoud in Gay 1 cit. pag 512., f — Aureo-villosa pilis plumulosis radice perenni lignosa, caule caespitose prostrato multicapiti. 3—4 poll longo folioso. foliis brevibus anguste linearibus conferlis acutis integris rufo-pilosis, pedunculo foliorum communi ramulos superante, foliis purpureis 3—9 laxe pedicellatis bracteis linearibus pedicello brevioribus, calycis segmentis villosissimis denticulatis obtusis, stylo uno elongato. stigmalibus tribus libens, seminibus multidis
variis a minor caule humiliori lignoso, caespitose denso, foliis paucioribus pedicellis brevioribus — Habitat in Chile
22. *C. FERRUGINEA* Barneoud in Gay I cit pag 513 f — Ferruginosa-lanata pilis plumulosis radice perenni lignosa lepente, caule suffruticoso caespitose ramosissimus prostrato, ramulis dense foliosis, 3—5 poll longis subcrepus, apice foliosis, foliis acutis linearibus confertis, utrinque ferrugineo-lanatis acutis, foliis vinoso-purpureis, 3—5 pedicellatis terminalibus, calycis segmentis libens, longissime pilosis apice denticulatis, stylo uno longissimus, stigmalibus tribus brevibus, seminibus nigulosis — Habitat in Chile
23. *C. SALONLISSIS* Lindl in Mitchell, Journal of tropical Australia pag 148. adnot. Foliis angustis ovato-lanceolatis alternis oppositisque racemis secundis caulibus divinis longioribus, foliis (conspicuis) polyandris. • Crescit in Australia orientali tropica
24. *C. PUSILLA* Lindl in Mitchell 1 c 360 adn — Foliis equitantibus subacutis radicalibus, caulibus simplicibus lacmosis vel unifloris, foliis longe pedicellatis, infimis divaricatis, foliis minoribus octandris. — Crescit in Australia orientali tropica

25. C. LEHMANNII Endl. mss. in Lehra. Plant. Preiss. II. 255. — Radice tuberosa: caule filiformi simplicissimo striclo tri—quadrifloro; foliis squamaeformibus oppositis acutis, basi connatis; perigonio intus albo-holoserico. — Crescit in Nova Hollandia meridionali - occidentali* (York).

f **Icon addenda.**

- C. UAJBELLATA DC. Prodr. III. 358. no. 3. — Lndl. & Paxt. Flow. gard. I. 15. fig. 8.

5180. CLAYTOSTIA Linn.

(DC. Prodr. III. 360. — Wlprs. Repert. II. 237.)

1. 'CL. VIRGINICAL. - DC. 1. c. 361. - Wlprs. 1. c. 237. no. 1. - A. Gray, Gen. pi. II. Am. bor. I.' 223. lab. 97.

Tribus VI. MOLLUGINEAE Fenzl.

5184. ORYCUA Forsk.

(Wlprs. Repert. V. 788)

1. 'O. DECUMBENS Forsk. — Wlprs. 1. c. — *Glinus trianthemoides* Heyno. — Wght. Illustr. of Ind. bot. II. t. 113.

5185. CLOTIJS Löffl.

(DC. Prodr. III. 445. — Wlprs. Repert. II. 239. V. 788.)

1. < GL. MICRANTHUS Boiss. Diagn. plant. orient. nov. X. p. 11. f — Annuus herbaceus, totus tomento stellato sparso subdeltato canescens virens; caulibus brevibus humi prostratis in orbem expansis; foliis parvis, radicalibus obovato-spathulatis, caulinis 5—7 pseudoverlicillos formantibus, petiolo iis subaequilongis suffultis ovato-orbiculatis inter se inaequalibus; floribus 3—5 axillaribus minimis, pedicello iis vix aequilongis vel longiori suffultis; sepalis tomento stellato dense et sordide canescentibus oblongis aculis cucullatis; paraslemonibus nullis; staminibus fere 10; stigmatibus tribus; capsula ... ? — Crescit in ruderalis Antilibani circa Rascheya.

5186. MOLINCO Linn.

(Fenzl. In Wlprs. Repert. II. 240.)

1. M. GLINOIDES A. Rich. Tent. fl. Abyss. I. 48. f — Glabra: caule ramoso fluffuso subdeltato; foliis pseudo-verticillatis ellipticis acutis aut lanceolatis; floribus pedicellatis umbellatis; capsula 3-valvi. — *Glinus Mollugo* Fenzl. — *Mollugo Spergula* L. — *Mollugo verticillata* Guill. flc Perr. (nee L.) — Crescit in provincia Chire* Abyssiniae.
2. M. GLINUS A. Rich. 1. c. f — Cinereo-tomentosa plis stellatis: caule ramoso prostrato; foliis caulinis pseudovercillatis subspathulatis obovalibus aculis aut obtusis; floribus breviter pedicellatis in axillis subumbellulatis; capsula 5-valvi. — *Glinus lotoides* L. — DC. Prodr. III. 455. — Crescit in locis arenosis et humidis convallis fluyfi Taecaz<5, prope Tchdlaiche'kanne' in Abyssinia, in Aegypto et in Senegambia

3. *M. SERRULATA* Sonder, *Linnæa* XXIII. 15. f — Caulo rigidiusculo erecto dichotomo; ramis nuce pubescentibus; foliis verticillatis inaequalibus oblongis vel ovalo-oblongis acutis in petiolum angustatis serrulatis; floribus confertis longiuscule pedunculatis; pedunculis unifloris; sepalis oblongis acutis; staminibus sub-8; capsula oblonga; seminibus ovato-punctatis. — Affinis *V. dentata* Guill. f. Porr. — Port Kami.

Ordo XCVIII. CRASSULACEAE or.

(DC. Prodr. III. 381. - Wlprs. Reperit. II. 251. ft 935. V. 791, Annal. I. 322.)

Subordol. CHASSUIJAE DC.

4607. TILIARIA Micheli.

(DC. Prodr. III. 381. — Wlprs. Reperit. II. 251. V. 791, Annal. I. 322. — *Bulliarda* DC. I. cit. 382.)

1. *T. SOLIERII* Gay, *Hist. de Chile* (Dot.) II. 530. f — Erecta ramosa: foliis connatis linearilanceolatis; pedunculis foliis brevioribus axillaribus; laciniis calycinis ovato-lanceolatis, petalis parce longioribus; carpellis acutis 6—40-spermis. — Habitat in Chile.
2. *T. CLOSIANA* Gay 1. cit. pag. 531. f — Minutissimar foliis ovalis obtusis aut parce acutis; floribus magis inusve pedunculatis; sepalis 3; petalis 3; staminibus 3; carpellis 3, mucronatis; seminibus 8—10 et ultra. — Habitat in Chile
3. *T. CHILOËNSIS* Gay 1. c. p. 532: f — Caespitosa rufo-brunnea: caudice crasso multicauli; caulibus decumbentibus diffusis elongatis crassis parce ramosis, quandoque simplicibus, basi subnudis; foliis crassis connatis ovatis obtusis, apice congestis; pedicellis axillaribus crassis, folio brevioribus; laciniis calycinis sinuato-obtusis; carpellis apiculatis 4—6-spermis. — Habitat in Chile.
4. *T. LEPTOPETALA* Benth. *Plant. Hartweg.* 310. no. 1734. — Subsimpler: foliis connatis, obtusis; floribus vix fasciculatis; pedicellis folio brevioribus; petalis 4 anguste lanceolatis acuminatissimis calyces aequantibus; squamis nullis; carpellis dispermis. — Hefula vix pollicaris saepius simplex. Flores illis *T. minima* fere duplo majores, pedicelli semper calyce breviores, petala longiora et angustiora quam in *T. minima*, carpella (vulgo 3) tenuissime membranacea hyalina, semina majora, striata. Specimina haud rubescunt. — Crescit in Californiac locis siccis saxosis circa sinum San Francisco.
5. *T. (BULLIARDA) ABYSSINICA* A. Rich. *Tent. fl. Abyss.* I. 306. f — Pusill: caulis erecto ramoso subnante aut expanso reptante, 3—4 uncias longo glabro; foliis linearilanceolatis angustis subacutis crassiusculis, basi connatis; floribus axillaribus breviter pedicellatis; petalis oblongis acutis pallide violaceis; capsulis ovoideo-oblongis glabris polyspermis. * - Habitat locis inundatis in Abyssiniae prov. Chra.

460%. COMBESIA A. Rich.

(A. Rich. Tent. fl. Abyss. I. 307. — *Dispuvooarpa* C. A. Me?.)

Calyx profunde 5-partitus, laciniis erectis. Corolla gamopetala, profunde 5-partita, laciniis lineari-lanceolatis. Stamina 5 alterna, corollae inserta, filamenta subulata, antherae ovato-oblongae introrsae. Squamulae 5 minimae spatulatae. Carpella 5 sessilia libera; ovarium uniloculare 2-ovulatum; ovulis superpositis; stylus brevis, stigma minimum. Folliculi 1—2-spermi, rima longitudinali et interna dehiscentes. — Herba annua Abyssinica.

1. C. ABYSSINICA A. Rich. I. c. f — Annuum pumila: caule a basi ramoso, 1—5 uncias alto, ramis elongatis glabris; foliis oppositis ovali-lanceolatis aculis crassiusculis; floribus minimis viridi-purpurascens, breviter pedicellatis, in axilla foliorum aggregatis et foliis bracteisque intermixtis; calycis profunde 5-partiti laciniis ovali-oblongis acutissimis; corollae laciniis oblongo-lanceolatis acutissimis tenuibus subpurpurascens, tubis, calycem aequantibus; staminibus brevioribus in incisuris corollae insertis; squamulis tenuissimis spatulatis; carpellis sessilibus glabris. — *Titlaea pharnaceoides* Hochst. mss. — *Crassula pharnaceoides* C. A. Mey. — Wlprs. Report. II. 251 no. 22. (cum synonymis). — Abyssinia.

4610. CRASSITIA Haw.

(DC. Prodr. III. 383. — Wlprs. Repert. II. 252. V. 791.)

1. CR. ABYSSINICA A. Rich. Tent. fl. Abyss. I. 309. f — Radice perpendiculari obconica; caule erecto subsimplici pedali tercio subcompresso, papulis oblongo-spatulatis obtusis tecto; foliis oppositis lanceolatis acutis subcarnosis, basi connatis glabris, margine unica serie papulorum ciliaris; floribus parvis purpureis, cymis dichotomis ramis multifloris efforranlibus; calycis 5-partiti laciniis lanceolatis acutis glabris; petalis 5 distinctis, aut ima basi coalitis, oblongo-lanceolatis acutis; staminibus 5, longitudine petalorum; squamulis brevissimis truncatis subtriangularibus; capsulis oblongis longe acuminatis glabris. — *Jlochea dichotoma* Hochst. mss. — *II. vaginata* Uochst. IUSS. — In Abyssiniae monte Sellcud.

4613. GRAMIPTHEA DC.

(DC. Prodr. Iff. 392. — Wlprs. Repert. II. 256.)

1. GR. GYNIANDRA DC. I. cit. 393. no. 2. — Vau Houtto, Floro des wres V. lob. 518.

4616. KALATVCHOK Adans.

(DC. Prodr. III. 394. — Wlprs. Repert. II. 256, Annal. I. 321.)

1. K. SINGAPERIANA A. Rich. Tent. fl. Abyss. I. 310. f — Foliis obovato-spatulatis, crenatis furrugineo-subtomentosis, infimis subconcavis obtusis, superioribus acutis ramulis teretibus pubescenti-lomentosis; cyma ramosa confertiflora; floribus magnis luteo-aurantiacis; calycis 4-partiti laciniis oblongo-lanceolatis acutissimis; corollae tubo levi gracili, calyce triplo longiori, pubenti, limbi laciniis ovali-acuminatis; capsulis oblongis angustis, stylo persistenti terminalis glabris. — *Cotyledon delicious* Forsk. Descr. 89? — Habitat in Abyssiniae locis juncosis prope Adoua.

- 2 K GRANDIFLORA A Rich I c. f — Folns ..». caule leieti glaucescenti għbro tvma u-ichotoma għbia flonbus maximis purpurascensibus glaberrimis. calycis lacimib lanceolatis acutissimis corollae tubo calyce sextuplo longiore tereli, basi valde infl.no, apice gncilion, limbi lacinns ovali-lanceolatis acutissimis, squamulis lineanbus capsulis oblongo - acuminatis angustissimis glabns — In Abyssiniae prov Hāt Focis petiosis
- 3 K QUARTINIANY A Rich 1 c 311. f t 54 — faule ticti glabio glaucescentie, apice raroaso, folns amplis opposilis, brevim pciolatis obovalibus aut elhpticis obtusis, margine cicalis floi bus*. glabns luteis, mediae magmtudims, cymam r<imosi?siimm tuchotomam elloundntibus cnlycis lacinns lanceolatis atutis, brevibus corollae tubo basi ciassion. scpalis quinluplo longion, limbi lacinns ovaJibus abrupte acuminatis — Habitat in Abjswnia prope Muya-Gouagoua
- 4 K PETITIAISA A Rich I c 311. f — Caulo tercti, ipice vattle ramoso, glabro, lols obovah -ohlongis, basi sensun angustntis, imigme \ersus partem supeuorem grosse sciratis, apite subobtutis glabns, cjnua ramosissima tncoloma glabra, florrbus glaberrimis luteis paivulis cahtis sepilis hnceolatis acutissimis, corolhe tubo conoidco, bisi crassion, scpalis duplo longiore, limbi lacinns. obovalibus obtusissimis, longe apiculatis, shlis tubum coiollac superantibus, capsulis oblongis, doiso cannatis stjlo pcistente apiculutis, glabns, squamulis lineaubus — Habitat in Abyssinia prope bauka
- 5 K GLANDUI OSA Hochst mss ei A Rich 1 c. 312 f — Qaule heibaceo erecto ticti pubenti - glanduloso bipedali, folns opposilis sessilibus, caulims oblongo- ellipticis subdculib, nmgine sinuosis, glabns, floubus luteis parvulis cjmim racemoso-pamculatam terminalem eTormanlibus calyce subvesiculososo pubenti glandulo&o, 4-fldo, lacinns ovah-oblongis acutissimi" corollae tubo basi inflato, apice giacili pubenti vix caljcc longion, limbi linnis ovah-oblongis acuminatis, squamulis lineaubus acutis, capsuls oblongis angulis» acuminads glabns — In AMssiniae prov Chird -
- 6 K BRACHYCALYX A. Rich 1 c 312 + — Caule eictio pedah tereli subsnnplicu, basi suffrutescente in parte superion dense pubente subglanduloso, folns. ">, floubus parvulib luteis, cjmam pirvulam ramosam densam cToimantibus cal)cis sepalis oblongo-lanceolatis acutis brevibus pubenti-ghmluloMs, marline cilutis. coiollac tubo basi inliato, superne coarclalo, pubenti scpalis quidiuplo longion, lacinns limbi ovalibus obiusis. muciomtJSi capsulis oblongis acuminata glabra — In Abjssinia prope Maya - Gouagoua
- 7 K ANGUSTIFOUA A, Rich 1 c 313 + — Glabra caudice lepenle crasso caul< erecto gracili 6— 10 uncial alto, tereti, glabro glaucescenti, folns opposilis angustis* sublincanbus crassis, apice subobiuMS, flonbus parvulis cymam paucifloram terminalem eflormantibus sepalis lanceolatis acutis feic usque ad basin distinctis deciduis* corollao tubo basi conico ampliato 4-angulari, apice constneto, cahce vix duplo longion, limbi lacinns longissimis angusiis lanceolatis acutissimis, margine luteis <t & disco brunneis, squamulis lineanbus, carpelhs glabns oblongs, apicc acutissimis.*' In Abvssimae prov Clinic

4620 UJHBIMCUS DC

(DC. Prodi 111.399 — Wlprs Rcepit 11.258 V. 792, Anml I 323)

- 1 L (*liosulanaj* LINLATA Bois> Diagn. plant, oncnt nov \ p 14 f — Pciennis *W^l Ins ladicahbus rosulatis clongalis limgulatis lincan-spathulflUs obtusissimis, hens spj*^{fc} sim pnpillosis. -nuirgine ciliatis, scapis extroiosulaiibus ascendentibus densiusculo

Host's foliisque anguste linearibus strictis valde papilloso-hirsutis; floribus in cymis semel vel bis bifidam unilateraliter dispositis laxiusculis; pedunculis calyce brevioribus, infra oram bractea lineari subtulis; cymae ramis flexuosis valde papilloso viscidulis; calyce valde papilloso viscidulo, fere ad basin usque in lacinas triangulari-lanceolatas longitudinaliter lineatas partito; corollae roseae exclusae longe papilloso-hirsutae laciniis lanceolatis acuminatis, calyce tertiam parte longioribus, longitudinaliter purpureo-lineatis; filamentis basi dilatata corollae ad bujus lorum partem usque adnatis; carpellis parvis puberulis ovalis contiguis in mucronem brevem rectum abeuntibus. — Crescit ad rupes praeruptas ad mare Galilaeum juxta Tiberiadem alt. circ. 400 pedes supra mare.

2. U. CHRYSANTHA Boiss. ft Heldr. 1. c. 15. + — Perennis, tota papilloso-viscidula: foliis radicalibus rosulatis abbreviatis oblongo-spathulatis plantis, utraque facie et margine dense papilloso-hirsutis; scapis floriferis cetero rosulae ortis foliatis reclinatis, superne breviter paniculatis; foliis caulinis strictis ovato-oblongis obtusiusculis; petiolulis calyci subaequilongis, infra oram bractea oblonga laciniis breviori suffultis; calyce papilloso fere ad basin usque in lacinas triangulares aculas partito; torulis luteae calyce duplo longioris laciniis lanceolatis aculis linea rubra dorsali purpurea papillosa percursis, caeterum glabris; filamentis basi dilatatis ad tertiam partem usque corollae adnatis; carpellis oblongo-linearibus reclinatis contiguis, superne in rostrum acutum papillosum stylo terminatum longe attenuatis. — Crescit in summitate occidentali montis Ghctdagh Tauri Isaurici supra Maria al^a. 6009 ped.
3. U. SEMIENSIS Gay mss. ex A. Rich. Tent. fl. Abyss. I. 308. f — Caule a basi ramoso ramis palulis humifusis subreptantibus crassis nudis, in apice tantum foliiferis; foliis valde approximalis rosulatis, spatulatis plantis crassis, margine coriaceo-ciliatis, apice obtusis aut subaculis, utrinque glabris; semper simpliciter 2—3-unciali erecto glabro purpureo; floribus 4—5 pedunculatis subcymosis; pedunculis gracilibus glanduloso-pubescentibus, basi bracteatis; bracteis foliis consimilibus sed minoribus, lanceolatis; calycis laciniis lanceolatis acutissimis, dorso glanduloso-pubescentibus; corollae tubuloso-campanulatae purpurascens usque ad medium 6-fidac laciniis oblongo-lanceolatis obtusiusculis, sub apice externe mucronatis, externe subpubescentibus; carpellis 5 disjunctis. — *Semprevivum Semiense* Hochst. mss. — In Abyssinia in summo monte Ouahit.
4. U. (*Cotyle*) UOTRYOIDES Hochst. mss. ex A. Rich. I. c. f — Foliis inferioribus petiolatis peltatis orbiculatis, margine sinuato-repandis, glabris subconcavis; caulo credo simpliciter nut ramoso compresso; (longibus breviter pedicellatis horizontalibus aut subpendulinis, racemum simplicem aut ramosum efformantibus; bracteis iniogris; calycis laciniis semiovalibus acutis; corolla ovoideo-oblonga urceolata, apice 5-fida, laciniis brevibus acutis; capsulis 5 oblongis acuminatis glabris. — Habitat in Abyssinia locis montosis inter 8—13000 ped. altitudine.

4621. ECHETEBIA DC.

(DC. Prodr. III. 401. — Wlprs. Repert. II. 259. & 935 V. 794, Annal. I. 323.)

1. K. LAXA Lindl.* Journ. of the horlic. soc. IV. 292. adn. — Caespitosa: foliis rosulatis ovalibus acuminatis concavis junioribus glaucis; floribus flavis laxo paniculato-racemosis secundis pedunculatis. — Habitat in California prope Monterey.
2. E. FARINOSA Lindl. 1. c. adn. — Caulescens nana: foliis linguiformibus aculis planis candidis, adulis viridibus; caule decumbente; racemis secundis coriuboso-pinnatis; floribus pedunculatis. — In California (Cannel Hay).

Subordo II. SEHEJAE Endl.

4622. SEBUM Linn.

(DC Pioir III. 401. — Wlpr* Rcpert. II. 260 8c 935. V. 795, Annal. I 344.)

- 1 S HADKOSUM Doiss ft Holien. Dingn. plant ouent nov X pag 15 f — Glabim iddict* pcrenni a collo valde tuberoso-inunssaia DICM napilormi ro*ulain solitanam folioium cilcnii foliis phms oblongo-lingul Uis obtu&is, scapo cviiaroMiian clato, folihs paucis squunapfuiinibus, demum deciduis obsito, apice in paniculam lomosim conrcrtiUoram oblung.un abuinii, paruculac iam>> flexuosi* pcditellisque flon suhae- <liuloiijii ^lahciMinis caljcis camosuli ohbn hunns ovito-oblongis oblu^iusculib, pclalis ciljcc quadriplo longioibus linculotis aum* pallule camei> linca purpuiea pucuisis, caipillis glabn* oblongo-liiu inbus teens conliguis in cuspidem longiusculam abrupte alltnuatis — Ciescit in monic Demawend propo pagum Ask
- 2 S (HI TI(UM Boiss &, Hi Idr 1 t 16 f — Annum ^el bionno ladicc flbus paucis lonjis cjlndiicji. con^t iriti ciule basi incia->salo losulam subolongataiti densamquo fulioimn (denli, folns plam* oblongo-spailuilatis obtusiasimis glabns, ramis bic\ibus iirwhicilibus jnicMii-subj>cOjpioj(Uis SOLUS cauleni alterms paniculam suprarosula- lem densiuMulam multiflonm Mibspitifoimcm foimanlibus, inllorcscentia tola glandu- lo^o-pubciuh, luacis ad Lunoruni ba^in ovato-iulundit ad pedicellos inimmts ob- longo - lincaubus, pedicellis broissiniis, caljcis glanduloso-puberuh lacinus ovalis obtu^is coiolla ^landulo^i ob^cuic iubella cauce duplo longion putalis elliptico-lan- ceolaiis acuis caipclli> glabns oblongi*. doiso gibboso - incuivis, inter se contiguis, npicc bicMler cuspidate — Ciescit m sa\osis faucis Kordulioliko Epaichiao llagiova- sily Cictac
- J. S THISTRIATUM Boiss fl. Heldr 1 c f — Pcrenne, toLaim pilis popillaubus bicvissi- nns pub(iuiluni folns rosulalib phms oblongo-spatbulatis rotundalis. basi allenualis. caulibus floufcis bumilibus cxliniosuhnbus ascendenlibus follows, foliib caulims mi- nonbus ovato-oblongis, floiibus pauci^simis Krmnalibus laxiuscule conmbosis, pc* dictllis Lalcc longionbns, basi biactcola stipali<> caljcis valdo papilloi>o-liiili lacinus ttiangulau-lariLtohlis acutis, pet alls lanceolate longe sciacco-acuminatis, cilyce tnplo Jon^ionlius, pillule cuntis instnalis caipqllis.. .v — Ciescil in saxosis moniis \olakia sujna Omalo in monlibus Sphacioticis occid. alt 6000 ped
4. S UHIMCUM DOL8 I c 17 f — Pcienne pumilum caulibus piocumbenlibus iihiiJifei* >. mmoa (knse foliosos, ahos floufcros, ahos stcnles cdcutibus, loins somite-7 iclilius liuanhus jLabi* oblusis, b\^s^ aequahbiib, ramoium stciliuni piulo brevioii'' bus., llonbiis p< [naming in c\mas luimiiiales bicvilci lamosas lausculc disposili^, po-1 diLillis CILJCL bicvionbus cjmieque \M\|M, pubescenli-glandulosis, cihcis paivi viaci^ dull hciniis oblongis obtuse coiolla quadiuplo brevioubus, petalis pallide loseis vif4 cidulii* hnccolaiib lonjc atlenualo-subulalii., linea purpuiea peicuis^ anthnis 1^ rn^iic iitibns carpellis. pubesculibus ovalis eietto-paluhs in cuspidem longiuscularf abiupic aticnuali< — Ciescit in ic_bione media Oljmpr Biljni
5. S OULISTALC Boiss I c. f — Annuin A el bienne, pumilum mullicaulo caulibus inflorc ^Lciinque magis minusve bicwtei pubciuhs folns pnnum rosulatis, dein seCtllj tallies floufcros spaisis scmileielibus lmeanbus oblusis gibbns \cl sparsim puberul^* ijmis leimindhbiK 3—5-fldis, ramis abbrevialis, llonbus 6—7 se^silibus densiusculi^ tahcis lacimis iidiiguhn-ovais acutis, pelalis calyce quintuplo longionbus caro<<^ lincu puipuica pcioursis lanceolatis longe scatco-tcummatis; slamibus 10-12. <<

thens nigricantibus carpellis erecto-patentibus rectis oblongis acutis viscido-pubei, stylo longiuscule rostratis. - S. Hespericum 0. Buvbaum Gns - & JhsoamZ var glandulosum Boiss ft Heidi. — In montanis toims Oncotis

0 S. PALAESTINAE Boiss 1 c 18 + - Annuum, pnetr mioresceniā glandulis minimis paucis conspersum glabrum caulibus raris basi ramosis, apice in cymes hie >ts 2-3-fidas unilaterales divisas folns cito deciduis semitercibus lanceolatis obtusiusculis, margine pallidiobus, petalis c. Iyce scvttuplo longioribus, c sicco naldid. snu lutescentibus glabris lanceolatis breviter attenuato-cuspidatis. dorso canato-nervis rubellis, antheris nigricantibus carpellis anguste oblongo-cylindricis, cecis vix divergentibus in rostrum breviter attenuatis, sub lente punctatis glabris - Crescit in siccis montibus Carmeli, in Libano supra Cedros

7 S. LEPIDANDRUM Hochst mss ex A Rich Tent fl. Abyss I 314 + - Ciliolobus glabris glaucis calycibus persistentibus laciniis lanceolatis acutis, pediculis calyce triplo longioribus - Habitat in Abyssinia prov Semitne ad aibonium truncos

8 S. P... fols ovo, aoo. oblongis ciliatis, sepalis brevissimis, aculis petals (H. nis) linearibus lanceolatis, staminibus 10, squamis hypogynis nullis carpellis rectis fibris monospernis - neibaglabra, erecta ascendens, 1%-2-pedicans, infra medium ramulis paucis caeli similibus instructa, apice more generis ciliato-nervosa Folia ex sicco crassa subtuberculata videntur, prope basin hirta et in basi infra mensionem brevissima imbricata, apice obtusa vel leviter acuminata mucronata opposita fimbriatis sessilibus luteis, vix 2 lineas longi Sepala brevissime inaequalia dentiformia acuta Pelala angusta acuta, staminibus paulo longiora Shli ovano paulo brevioribus apice acuti et minute stigmatifera Carpella oblonga, petala breviora Semen in quocumque calypello solitario erectum oblongum, basi attenuatum apicem, carpellum unico implens testa brunnea striata, embryo in medio albumino erectus roctus, vix dimidiam seminis longitudinem aequans Species calyce et fructu distinctissima, sed habitu a S. dendroidi annis non separanda. — Crescit in Californiae solo glaucoso vallis Sacramento.

9. S. P... Sc World Bot Zeminff VI 343 ~ Glabrum ramulis ascendentibus, basi donduatis. fols spaisis obovato-oblongis cymis laxis floribus subsessilibus, petal* 5 lanceolatis flavis. - Affine S. dendroidi DC - Habitat

4623 SEMPEBUTITTA I.

(DC Prodr. III 411. ^ Wlprs Repen II. 263 ft 935. Annol I 326)

1 b. ABYSSINICUM Hochst mss ex A Rich Tent 0 Abyss I 315 + -. Glabrum cernit erectosimpli, to. et, «bollo glabro gracile, foliis camo. uls oppositis orbiculatis, oborbiculis aut obovatis-spathulatis integris viudibus nuda pinnatis, us, floribus albis parvulis cymis nmosam d. snnt. no. am const. tuenlib. K Pius 10-sepalo, sepalis ovalibus lanceolatis, atulis petalis lanceolatis, calyce duplo longioribus, carpellis brevibus inflatis stylo longiusculo mucronato - In Abyssinia, in saponore monte Sclicuda terminatis glabris

4623A. AEO1VICME B. Webb *sf berth.*

(Wlprs. Reprt. V. 799.)

1. AK. LEUCOBLEPIARUM Webb mss. ex A. Rich. Tent. fl. Abyss. I. 314. f — Caulesui-fruticoso crasso; foliis spathulnlis acuminatis rosulatis glabris, crassis planiusculis, pectinalo - ciialis: corymbo thyrsoideo; pedunculis longis glabris; floribus suboctomen's; calycis hypocrateriformis dentibus brevibus 3-angularibus; petalis luteis linearilanceolatis; lilanienlis basi dilatatis, altius in tubum cum petalis coalitis, antheris rotundato-ovalis mucicis; squamis perigynis quadratis 2-dentatis; carpidiis glabris reclis antrorsum acutis, basi immersis, do mum ad partem liberam per disruptionem drhiscenlilis. — *Sempervivum chrysanthum* Hochst. mss. — In Abyssinia provinciis Ouodgerate et Scienc alt. 10000 ped.

Ordo C. REAUMDRIACEAE *Lindl.*(Wlprs. Report. II. 268. V. 808, Annal. I. 327. — *Ficoidcarum genera* DC. Prodr. HI. 450.)5480. BEAUMERIA *Linn.*

(Jaub. & Spach in Wlprs. Annal. I. 327.)

1. R. (Sect. I.?) PALAESTINA Boiss. Diagnos. plant, orient, nov. X. p. 10. f — Basi suffrutescens mullicaulis: caulibus reclis albidis brevissime lomentellis rigidulis foliosis simplicibus vel patule ramosis; foliis semitercibus carnosis anguste linearibus obtusis glaucis glabris sparsis, basi non dilatata subretusis facile deciduis, axillaribus brevissimis in fasciculum brevem imbricatis; floribus pedunculo basi nudo patulo iis plerumque breviori suffultis, paniculas paucifloras formantibus; bracteis numerosis anguste lineari - semitercibus obtusis squarrose patentibus, calyci aequilongis; calicibus laciniis triangulari-lanceolatis, apice attenuatis aculiusculis; petalis calyce sesquialongioribus elliptico-linearibus integris vix obliquis, appendice interiori ovata longe brevioribus, apice fissa; filamentis pane dilatata cidentibus; seminibus. . . . ? — Crescit argillosis candidissimis Judaeae inter St. Saba et mare Mortuum.

Ordo CL. CACTEAE DC.

(DC. Prodr. III. 457. — Wlprs. Repert. II. 269. ft 936. V. 809, Annal. I. 330. & 974. — Gacteae in horto Dyckensi cultae anno 1849. secundum iribus & genera digestae additis adnotationibus botanicis characteribusque specierum in enumeratione diagnostica Doct. Pfeifferi non descriptarum, a *Principe Jos. de Salm-Dyck*. — Bonnac. Apud Henry et Cohen. 1850. 8. pp. 266.)

Subordol. **CACTEAE TUBULOSAE** Miq. (*Vloribtis tubulosis*.)

Cohors I. *APHYLLAE*.

Tribus I. *MELOCACTEAE* Salm-Dyck 1. c. tab. synoptic.

Gormen inclusum laeve.

I. *ABTHALILITIKI* Lem.

(Wlprs. Repert. II. 309. V. 812. — Salm-Dyck, Cact. in hort. Dyck. 1849 cult. p. 77.)

II. *PEIDSCYPHORA* C. Ehrenbrg.

(Wlprs. Repert. V. 822. — Salm-Dyck, Cact. in hort. Dyck. 1849 cult. p. 78.)

III. *MAIFHLJLARIA* Haw. *)

(Wlprs. Repert. II. 283. 8; 936. V. 809, Annal. I. 330. — Salm-Dyck, Cact. in hort. Dyck. 1849 cult. p. 78—137.)

1. *M. HAEMATACTINA* C. Ehrenbrg. in *OHO 8C* Dietr. Allgem. Grtnztg. XVI. 266. f — Conica vel cylindrica, quadripollicaris. basi $2\frac{1}{2}$ poll, crassa: mamillis obscure viridibus conicis multiaculeatis. axillis breviter lanatis et setis pollicem longis 2—4 - nis instructis, mamillis ovali - conicis. 3 lin. longis. basi 4 lin. crassis, obscure viridibus. disco ovali, in juvenluto breviter lanigero; aculeis numerosis radiantibus rigidis acutis heteromorphis: exterioribus 20—22-nis setaceis 2—3 lin. longis. superioribus quam inferiores brevioribus, albis. intermixtis nonnullis rubro-apiculatis, mediis 12-nis aciformibus 3—4 lin. longis, quam exteriores duplo validioribus, supremis longioribus sanguineis, juvenilibus albis rubro-apiculatis. — Habitat in Mexico.
2. *M. ACTINOPLEA* C. Ehrenbrg. I. c. f — Depresso-globosa vel cylindrica, 3 poll, crassa, prolifera, mamillis viridibus conicis multiaculeatis obsita: axillis breviter lanatis so-

*) Eas tantummodo Cacteas novas enumeravi, quas in libro supra citato oculatissimi *Principis Jos. de Salm-Dyck* neque descriptas, neque inter synonyma specierum jam norum roducias reperiendam.

- n[^]que iliquot instiucii-» mimilli[^] ovili-ionuis 1 lm longii, bisi 3 fm ciassis \IM-dibuq subcim ns(entilms ditto mill pinnum hu vilci I innto acultis numciosis la-illnlibiii ugidit noun* divmniis, lieu 1011101 plus* oxtruonbus 20-in* sclaceis 3—4 in) lon[^]is htu ilibus f|inin snicii its et mlTnyis hn_nioiithis ilbis, mbio - apicu-hiis muliis 10-ins neiff Lmiliu[^] i—5 III lories nmqiiil jn_ris qu im extenons duplo \ lidionbus lino \IIM11011 itclo iruio vel li mi Hm UIK11110 GII[^]UIC biuimeo, basin \nisu*, |M111(11)1J — \ilniis V \nlmhnai C I limibig — If ibil u in Mexico
- 1 M I I (III OH V (riiipnbis 1 c a 12» +— (xl_nnlun 2—4-pellmns 1'¹/₂-2 poll, it is n miniillis oliMun Mmilibus ionium UIIMI i i\illis bioxiUi hinlis \ol nuilis, piofun nmmdlis o\ di-conicis \el conius i—> fm Iritis id bi<?m 2—J 1m eras-Ms di\pi_n(iiiibi)s ol)stmc Miiiiibus disco o\ ill piimum hnigcio neukis numcio«»is iieidi-j liiKronioipbiJ* cviccioubus 16—20-rns SLNCCIS ltbcllalini tlncr[^]enlibus, in-IIMOMIHIS luDnioiljus, ^—4 fm Ion[^]is biiiuiuis IliMtTiiiiibuJ \cl alji¹* biuniico-apicul ills iileciiu tins 4-nib \ (1 rums "3-nis nefoinnbus ni(,iliritn dispositis decussus \<1 minis sin si in i|uni) (k< i sum vu[^]t nuilius 2—i Im Ion_D^ris infeioie (limain ui) tin) Ion_D)ic i utis ILCIIS ^ (l li muis. (ju III CVILNOKS du| lo \alidioubus obseuie IIIIK -fustis, m_D^ricb(CMILJIS MI pillule iu[^]us — Jfibilit in Mexico
- 1 M POMVCIAG llupiibig 1 e 2<7 f — filobosa \cl exlinduci 2—3-pollicaris. 2 poll. (i issa MIKII-coiieo m miilhi i \eilnc piium d(presto axilhs linatis selisquo טונוטו in innlhs iii)ci (Dtibus insiuculis, liinullis o\di-conicis \cl obiususculis quad-דוהגחייביב di\ei_n^renlib>ns poniieco MIKILJU-* di¹>co o\ah piimum albo-hnajto aculeib liciciomoipbis cxlouoiibus 24—30-nis actieeis Unuissunis subaequilongis, 1'/a—2 fm< it thus subdi iplnnis ilhib, di\ub^renlijtis, iileimcdiib 2—6 - nis acifoimibuf ndib Z—4 lm lon[^]is quam (\tenoicb niillo \ lidionlnis obseuic nibro-fuscis, \i lnsin veibiis pillidioiibiib lubii[^] (Uoibim ([uiilo longion siir>>uin \eigenlibus — llibilal in Mexico — \flmis U Mas uui (I Inenbi[^]
- 1 M MI(A\b A Dun in Olio ft Dieli VII^oin Giln/l_o \I 330 f— Glubosa sun-ph \, id Acnienn jnofinde innbomti (" in millis pnxis c\Imdiu o-subconieis> AI-itniibiib, basi t« u i_noms ixillis nudis icolis o\ilibus nilmpicilibus non immerse]iimum tonidUObis, (hniuin mid is ieulus i uliaitiljus ^i — 2S albis tenuibus iigidjs \iicis s|inalil(i (ontoitis itcoijii< imcuiiibiis |nop< \erlieein subhsciculalis, mlin paum div nieilis iidiuibus, sujicciouiibus eipillucis mfeilonbus setaeib, aeuleis[^] centialibiib subquiUnis deussilis inUiduni ^omiins vilidionbu[^] inllexis basi coi-ncis» sin sum mlno-fusus — Pi ope ad M dtqanlun D(icccdit — Mexico
- 6 M I ILCODICIV I mko mss r\ Otlo L Du li 1 e \VI 330 |- — Globosa simplex obsoh le unibunan ixillis infetioubus nudis xoiiecin \crsns sublanilib niaimli* densis [nMS Miidibiis |i| p\rinndiis IM olis m iju[^]culis senioitbus |ii\cnlibusqu0 nudis uuleis ndi uiiibu[^] ^4—2S-nis pdlucidis dbis bisi fenlumtis, scUecis longi* <li\iiuTtini pu< niissimis tolim planim ot(ulianlibus acuhis ccnuilibus 2__4-ni* \ didiuiibiib, b I& femigmeis, s>msum coinoib npitu fusco - iii,iicanlibus parum et^l lioisum llexis — \flims piuccdenli, a pcitmot id Ik to acanthus liucott plialas. -[^] Mxieo
- 7 M <*UBULirrRV C Chien>ig in Olio a Dion Allgem Gunzlg. WII. 242 f— Heil spbacnta planiusculi, ^rlice depicso quidnpollicans, scmpedem ciassa, maroi obsdiao allneco-Mienlibus in[^]ulaus biPMtoi nucleatis obsila axilla dense abC I matis. nmillib MIHIIS, piimum ji\mnidiiis 4—5-goius acuminilis, inlus rotundatidimur liicic alKio niUnoi scmu \lindino exteuoic 3—4-irono oblusis, oblif iruncatiN obs«uic Uli ieoov\icnlibus, 5—6 fm longis, bisi 4 lm lais, areolis 0^l Idius Kims mminiis, junionbus longe albo-hnalis iculco soliluo 2—4 fm. lolu subuhto suisum IPMUI cuivalo poncelo nigio, nonnullis alns basi uibicundis, dema eiiKieis — Ad Anguhnes — Ilabilat in Mexico
- 8 M MULTISLTV c I hronbig 1. c i - Globosa. ch\ala xel c>lindned simplex olnm bneps heicscons, 3-5-polhcaii_{sr} 2-3 poll cin[^]i axillis longo albo-lanata

- MILJ> 20 — JO leclis \<1 lonioihb b — 8 In) li n^{is} intuivli* nnniillis bicvibus pyid miditis b—7 o^{oni}> Insi It li i_Doms sub ttunuinli[^] oblique lumcuis 3 lin longis, 2^{1/} lm lili^{1*} uienlilms ueolis o\ »libn> subiinmcis lionino hintis denmin },! ibu& iculcis acieuhnbu*s* icells 4—6 - nib ilbis suinmo ipu o ni_Dicuilibu* fuscis 3—3^{1/} Jin longis inlcimedio uno siipc subduplo Ion_oioic — Pcilmelad \ngulam> *polythas* — Mexico
- 9 M \VIU\M\MWYC Iliunbu ' ** + — Moba&i chMcfuimis wl (\lmdiin Iiclescons semipcdnlis 2—1 pell CMSM •vill** IOH_SL ill o 1 mills SOUS JUC mliinnxLis longissimis icdis vol <onloilis mamillis helci OIUOIphia* \i tun 1 illis 4—3— (>—7 i^fonis ba[^]i tetraqucins icule lcIt i_ooms oblique luyic \l/a | l\th i> hlcubus duobus hlioubus sm>um nngulissimis ^l ciam ininull* 1 jii_{ioul})Ub ciassioububquo ipicc merdssjlii) lolund Uis siiptiinllcMs 3—4 lm 1 >i_nis 2,—iJ lm ci \s>sis Miidibus nicoli6 ovilibus ^cl Ulri[^]oni[^] nmneis m sumnio IJHCC \cl mfa apicnn nmillie pumum brcMci (liM[^]ccnli lonicnlubis demum nudis iculdsS—6 nis. icicuhnbu[^] palcnlibus lectis M1 subfleuio[^]is II_DKIIS iculissunt | ungenubus 3—4 lm longis jequilongis \tl infenoubus \n lon[^]ioubus ilbidis pellucidis, ^uinmo ipicc nigicaubus lu&cia — Pcilincl u\ *AnQulais pulydias* — Mcuco
- 10 M PLLCIiriUUMY C 1 luuibi_B 1 c 2M -J — Lxlmdica, 4—6 pollieui* 2—3 poll cris[^]d nxillis bicvilcr icnuilLique lanati iilriinivtis nunnullis s< lulls cipilhccis tn imilJis bicvibii> ovali-comcis ipicc obli<ue ttuncitib anlrorsum Jmi clongilis ob*cuic illideco-Mrcuilibus 2—2V₂ lm lon_p!> 1—1^{1/2} lm htis nicolis. o\ iibu*. jnimum hi'Mci limlis demum nudib aurcis iculcis nuinciosissnnis belcioinorpbis c\tenobus 20—24 - nis brclibus tcnubis subc ipilhccjs I uli inlibus sujicioiibus infitioii^j usque pitcnlibus laiciilibus necunibibus nm<|uiloti_pis (I'/J — 2^{1/2} lm Jongis) ilbis pcllucidii inlcincediib (J—11-ms setaccis ngidis lon_pis ndi inlibus iincquilongis Mjpenonbus 4 mfouoibus 5, mleimediis et ultimo 7—8 lm lou[^]is uno allciovc Jpic liamuo fuscscnti coccincis — PoiUiicl ad *Hcluaiunthas pulyatuntlias hamalas* — II ibilat in Mexico
- 11 M. JUCUNDA C Hncnbig 1 c 2o f— Columimis vel cjlmdici 4—6-pollicous, ³ poll cussa axillis longe hnalis mlermivtisquc sellis numcioj>is mamillas longiludine i>upeianlibus iccumbcnlibus maniillis brevibus o\ ilibus vel ov d'-comeis vel obluce iiliagums ingulo anlico obluso oblique truncitis llavitano-Miuilibus, demuin glaucis 2—3 lm longis, l — Z'/i li i hi is arcolis ovius dense lon_oissnucque dlbo-lanatis dunum nudis neulois numciosis ladianiibus liclcroinoipbis cxKuoubus 20—30-nis ~~setacis~~ libens subcdpilliceis plentibus supcioubus bicloribu<i, 2—3 Jin longis fl[^]ccnti - albis, piimuni dnpbmis, mtermediis 8—12- nis dciculdiibus icclis ridimiibus pnteniibus 4—5 lm longis, uno duobns/e lncdus lon_pionbus ipice li imalis IIIA c[;]* cnli ilbis v isibclliius lubio-apieuhlis — reilmcl ad *Ucluacanthai, polyacanthas ham at a** — In Mexico
- 12 M. FLHMGINY (I lucnbig 1 c f — Globosa, ovalis cylinduci vel columnar[^] axillis lanalis selosis nonnumquam nudis minuillis bicvibus crassis ovali - conicis obliquo tiuncitis 3 lm lont_i>, basi acquil nis pallido vol obsiuro glauccsconlibus ireolis ovahbus piimuni linuia deulcis numcro&is radiantibus hetc/oinoipbis rxte noibus 22—2b-nis bicvibus seliceis yd subcdpillaccis ridiinlibus pdlenlibus m fononbus lonjionhus, supouoribus lint im infononbus 2^{1/2}—3 lin longis ilbidis inteimedns 6—10-nis acicuhnbu*s* validis ngidis aculis ladianiibus, 4—5 lm luugi* liUermedio uno (noinumquam ctain uno infcnorum) b—7 lin lon_Do, pki umque api cem versus lmccti flexuosis nonnullis bainatis, pallide rubns ioscis fusco qieuld(is nilcrinedis obstuioiibiis subpuherulciiis — 1'citiincl ad *HelcruLantim, polyacanthas hamata** — In Mexico
- 13 M OBLIOUA t]lucnbi_p 1 r i — Clobosa ovalis vel columnaiis vcitiec oblique Uuneala axillis longe dlbo - hnalis bdis longiuseulis inlcrmixiis nuimllis bievibus ovali - conicis Z—6 lm longis bisi acqiuhlis fchucib u uUis lumiuobis iddianlibus

- hiciomorphns cvleiioubus 20 — 22 setaccis tenuissimis capillaccis patenlibus, infe-
 iionbus longionbus, supcnonbus 1 — 2, infenonbus 2 — 3 lin longis albulis, niter-
 mcdiis 9—12 aciculanbus vcl subuiatis, \alidis ngidis nctis ladiannbus, m<icquilongis
 ciassis, 2—3 biCMOiiibus tenuioubusque 3 — 4 lin. longis, 7 — 8 ^alidionbus 5—6 **lin.**
 longis, mcdiis 8—9 lin longis vnlidissimis, mlcidum uno hamato, rubicundis, albidis
 apicem versus obstuic rubio -fuseis, dermim omnibus lacteis — Perlinct ad *litleia-*
canlhas poiyaumthas humatas — In Mexico
- 14 M PRLTIOVS C Ibiensrg 1 c.f — Columnans, 5—6-polliciris, 2—4 poll ciassa
axillis bicviter albo-lanalis, mamillis ovali-conicis bicvibus, basi 4—6-gonis, oblique
 truncate, 3—3 $\frac{1}{2}$ lin longis, 3 lin latis, obscure \mdibus arcolis ovriibus pnmuin
 lanalis uicscenli-albidis, **allns**, demum nudis auieis, aculcis nurnerosissimis setnecis
 tenuibus radians leciis hcieromorphis extenonbus 22 — 26 lenuissimis patenlibus
 inacquilonis, supenoubus 4, infenonbus 5 lin. longis albis pelluculis, intermedus
 10—12 seiaccis quani extenores paullo validionbus subaequilongis (5 — 6 lin. longis)
 mdianlibus patenlibus obscuic puipurcis, palUde rulms, igncis, vulpmis >el fuscis,
 albis iubio-apiculatis, junioiibus IOacis obscurus apiculatis — Peitinct ad *Iletcia-*
canlha polyaiailhas* — Aflnis *M bpinosissimae* Lem. 8. *M. polycentiae* Bcig —
 Habitat in Mexico
- 15 M MHIABJLIS C Ebinbig 1 c 231 f — Cjlindnca 3—4-pollicans, 2—3 poll ciassa
 ovillis Innatis alboque-sctosissimit), mamillis bievibus OTali-comcis oblique truntatis
 anticc mlusque oblusis, bast eIoii^raiis, subiiim depres^is, angulo supcnore saepius sul-
 catis, sulco biCMicr Linato sclulisque longis reclis v crispatis msliucto, aicolis lan-
 tcolati*) piofunde immeisis, prumim bic\iter albo-lanatis, demum nudis auieis; aculcis
 numciosjs bctciomoiphis, extenoubus 22—24-nis sclacci* tenuibus icctis v. subcurva-
 Ds, infciiiibus (2—2 $\frac{1}{2}$ lin) qunm supenores (1 lin) Iongionbus flavicantibus pelluci-
 dis, incdii^ 11 — 12-nis quain cxlciiiores validioiibus longioribusque ladianlibus reclis
 aculis lla\cscLnti-albidis, summo apice nigncanlibus fuscis, suporioubus 4 lin , infeno-
 ribus 5 lin unico incimedio A alnhon (6—10 lin longo) aciculan v subulato, ad basin
 flave&cpntc, sur&um lubicundo v rubio-fusco — Peitinet ad *Ikteracanthas polyacan-*
lhas. — Mexico
16. M BMEVSKTA C Llnnbig 1 c f — Globosa, columnans v. cUmdna 3—4-pollicans,
 2—3 poll crassa axillis bieviler lanntis alboque-sotosis, mamtlis ovali-comcis. bisi
 tctragonis, apicc oblique liunotib, anticc obtuse ni-\i_o^riiialis 2 lin longis, 2% lin cras-
 sis obscure alliacco-vit(dibits, aicolis oval^us, ptimum brutei albo-lanalis, demum
 aurcis, aculeis numerosis rigid is aculis i cells hcicromorpbis cvtononbus 20—22-nis
 biCMSsimis sctaceis v. capillans subacquilonis, 1—2 lin. longi*. albis pellucidis, mc-
 dus 8—13 seiaccis v acicuhubus ngidis ladianibus, qmm cxlciiioics validioiibus 3—6
 lin longis, uno sursuin vergenie longiasimo albido-fla\escenctc pellucido summo apico
 alro-puipurco — *Iletciacantha>> poli/acunthai* — Habitat in Mexico
- 17 M. rELLlsLRH C Lhrnbig. 1 c 261 f — Columnans 5-pollicaiis 2—8 poll crassa,
 verlice subdepicssa axillis fla\cscinli-albido-lanalis intormittis sellis pluumis longis
 flavescenctibus quaiummna plures\e mtei lmmillas eminent, 7—13 lin longis, mamil-
 lis ciassis o\alibus oblongis v. ovali - conicis, maigme antico rotundaiis 3 **lin.** long-
 is, 2 $\frac{1}{2}$ — 3 lin ciassis, populeo-virentibus v Miidibus lulescenii-fuscscenctibusque*
 arcolis ovalibus acutis, pnum bicvilor flaMcanli-lanalis, aculeis heteromorplus cfxtc-
 nonbus 24—26-ms setaceis tenuibus i ecus v subcurvatis flabellalim patenlibus, supe-
 nonbus brevionbus, supenonbus 2 lin , infenonbus 4 lin longis, his palcnlibus sulpbu-
 reis pellucidis, intermedus 4—6-ms subuiatis multo validioiibus longionbusque, paten-
 tibus irrogulariicr decussalis > radiatis, 3 — 4 — 5-nis tigidis acutis 4—5 lin. longis,
 sexto infimo dcorsum VPISO 8—9 lin longo lecto v apice uncmato fusco - llavescente
 rubicundo, ad basin pallidioic — Perluict ad *Ileteiacantha? chrysacanthas hamata**. —
 Mexico.
- 18 M REGIA Ehrnbig. 1 c 269 t — Columnans \. cvlmdnca. vcilice parum depress*,
 quadupollicaus, 2 $\frac{1}{a}$ poll crasso axillis bicviter albo - lanalis longcqc albo-setosis

mamillis otali-comcis, nntice obtuse marginnlis basi tctingoms, apice oblique tiunca-
li\ 3 lin, longi*. basi $2\frac{1}{2}$ lin. crassis, glaucis v saturite viudibus, arcolis ovahbus bre-
viter lanalis demum nudis, nculeis hcieiomorplus cxlerionhus 24—26-ms setQceis
tcnmssimis bubcapillaccis, deorsum longiludine dccrescentibus, supenonbus scsquili-
ncaubus, mftnonbus 3-lmearibus, priinum divnncalim patentibus, demum latetahbus
arele conruentibus, infcnonbus patentibus, albis pellucidis, intrmediis 6—8-nis aci-
culnibus tenmbus acutis radialim patenlibus, 4—6 lin longis, supremo infinoque v
iitcnnedio uno intmoque quam reliqui longionbus, Intlmo longissimo recto v apice
uncmalo, sanguinco, pallido, basi flaescenlc — Peitinct ad *Jlelei ucanthas discolorcs
hamatas*. — Mexico.

19. M. ATROSANGUINRA C. Ehrnbig I c 270 f— Globosa v columnans, 5-polhcans, 3
poll crassa axillis lanatis setosissimis mamillis ovali-comcis, supra oblique Uunca-
tis, 3 lin longis, $2\frac{1}{*}$ lin crassis, obscuie vmdibus, aieohs ovahbus aureo-lanatis,
tunc olbis, supremo nudis aculeis hctromorplus exlenonbus 24—30-nis setaceis
tenuibus flabellatim divancalis, infenonbus palcntibus, supciouibus lineam longis, mfc-
nonbus sensnn 3 lin longis aureis pellucidis, demum albidis, intermedus b-nis v ran us
4-nis dculanbus tmuibus iigidis acutis radiatim patentibus, intimo 7 lin. longo (leh-
quis $3\frac{1}{i}$ lin. longis) recto v. apice uncmalo pumum atosangumco, demum obscuie
lubro-fusto — Pciliuet ad *Ihlcraanthas discolorcs humalas* — Habitat in Mexico.
- 20 ft PURPUREAC Ehrnbig I c +— Ovalis v columnari*. 3—5-pollicaus, 2 poll crassa
oxillis albo-hnatis alboque-sclulosis, mamillis brevibus ovali-comcis, apice oblique
truncilis/s—& 1^n longis, $2\frac{1}{*}$ lin crassis obscuie vindibus aicohs o\alibus, lana
longa enspa alba tectis aculeis bcteromorphis exteioubu^ 20—22-nis lenuibus bre-
>ibus subcapilliloimibus ladiantibus. infcnonbus longionbus, $1\frac{1}{a}$ —2 lin longis, rectis
atbis pellucidis, Iniermediis 6-ins aciculaubus tenuibus radialim paitniibus, supenonbus
4—6 Jin , sexto infimo 6—8 lin. longo recto v apice uncmalo, purpuico, demum pal-
luliori — Pertmct ad *Hileiacanthas discolorcs hamatas* v ad *Polyacanthas hamalas*.—
Habitat in Mexico
- & M MICRONATA C. Ehinbrg 1 c 294. f— Globosa columnans 5—6-pollicaus, 3—4
poll crassa axillis albo-lanalis alboque-setosis, mamillis ovali-comcis oblique tiunca-
tis 3—4lm. longis, 2—3 lin lan", made obscuie vindibus aicoli^ ovahbus, pumum
albo-, tunc aui eo-, posli emo onscenii-lanatii>, lana bi cvluscu, aculeis licci onioi plus.
exleiioubus 2b—28-nis scctiei* tenuibus iecli& flabellalim di\autalis, infcnonbus pa-
tentibus longiotibusque, supenonbus $1\frac{1}{a}$ hn, mlenoribus $27\ll$ lin longis pollutulis,
piiruim aureis, tunc albis, intermodiis 6—9-nis aciculanbus biCMbus iigidis acutis,
^ubaequlongis $2\frac{1}{2}$ —3 lin lonjis lubro-fuscis — Pcilmct ad *Ilctaacanthus discolu-
ies*. — Habitat in Mexico
- 22 M. COROLLARIA C Ehrnbig 1. c f— Globosa, ovalis v columnans, 3—5-polhcans,
3 poll ciassa axillis breviter lanatis setosi^que, scluhs albis nmmilla* supciantibus.
mamillis bieMbus ovah-comcis v ovah-oblongis v eliaim obsoleic temgonis, 2— 1^XU
hn. longis totidemque lalis, apice oblique Uuncatis. pallide v luicMonii-virulibus, aico-
li> ovalibus, p/imum albo-lanalis, demum nudis auieis aculeis hcteiomorphis exte-
nonbus 24—28-nis tenuibus subcapillatcis, infenonbus longionbus, supenonbus 1^A hn.
longiq, infenonbus 3 hn longis, supenonbus inferioilmsque ptentibus tribus laicia-
libus connivenlibus, pnmum flavesceniibus, demum nlbidit, miPiincdns 5—8-nis acicu-
lanbus brevibus tenuibus acutis rociis, iie^ulanier di^posilis, supremo 8c infimo quam
lehqui longionbus, 4—6 Jin longis, basi aurcis fere auranliacis, tunc sanguineis v.
aureis sanguineo-apiculatis, demum omnibus pallescntibus, fasciculorum senebus
geminis rubris et flavis annulalim alternantibus. — Pertmct ad *Ihtci acanthas disculo-
res*. — Habitat in Mexico
23. M RUFIDULA Ehrnbig 1 c 295 f—Globosa ^ columnans, 3—4-pollicDns, 2—3 poll.
oll crassa * axillis longe albo-lanatis ct seiosissimis sens albis semipolhcansbus ma-
"H** exccdeniibus, ninimllis vahdis patentibus o>oli-ionitis, apice oblique truncatis.

- 4—) Im longis bisi Jim <M*.SIS obsiun \uidibus uiolis o\ilibus pumum <R* >
iimtis driuun nudis iculus briuumoipilis cxienoiilms 2l — 2(>-ms solosis u niubus
M ihtI iini div iix ilis infci !>!ilms lun ionium Mip» MOIJIMIS, 2/2 Im mil nnnbiis 4 lin
1oM_j--. II IM M (utibiis inlimudiis i—d ins i< u ill nibus. Umnbus iculis IOIIN 1—b Im
loiuus quitto quonlo si \to\c dioisiiii MI*O €>—10 Im Imuj lubicuudo-fustescenie
— I'uliini id *Ih ImiL iihilus ill (o/yu s —Mtxuo*
- 2l M \UKOM V J hinbi_n 1 (30J f — U< IIOM b< mnpli KM* I, o\ ilu> \ (ohimniis
2—3-p Ilieuis I^l/ — ^ poll tils I axilla lucwlci illio hrniis s<lulosi&que srluli*
iwlis A mspilis inumlbs bioibns o\ili conms Insi tcti i_noms npnt. obli<|lic LI UII-
eilis i—2 Im loiuus, 1—I^l/ Im hiis albo pum lilis, puntlulis sub lento I in i< iistuu-
los sistciiibus obsi inc \iidiiljus IKOIS o\ ilibus piiuin dciisi illio-l mails iculus
setQCus itnuibus iidiutilms liciuomorplus cvttnoibus 20—2^—nis sulicipill u tis rtt-
lis, snpciionbus 2 Im . ind uonhus ^{*/i} lin lou_Dib dbis pcelluudis initinjodua 6—H—
M-nis lon_nioiiliis \ iliilioibuspic quouum sex semipollicnes 2—3 roliqm 8—10 lin
lon{,i intimo pinunique lon_pisMimo, liiludiun uno ilittovo lon[^]ioit ipKdjuc li mi ilo
igtuis basi > **Illifioi** bus v lou[^]ioi Ihus» tantiimnotlo i_o^rntis icliquis nil)), rubro->pi-
4iilj'is — Pi I iinet id *II until* hamulus* — II ibilal in Mevito
- ↳) M LIMvl V>Vllimbu 1 c JOS f — filobos i, OMIIS, chvnrfuini', coluuu tn^ v C)-
Imtli it i. si inipfd ills Z—\ jtolll <i iss i IMIIS biiMU i lamiis nmnillis 4—5lin longib
jMttntibiis CM ill i oruc is ol soli l(t< li i[^]onis nui[^]inc nni o n tnndalis oblique IIUIK i-
(is 1—3 **liit** ci issis oltscmt MII ilihii molis Malibiib IMLMUI ilbo-l unlis aculus
iiuim IOMS (ipillnriN \ stink sis li IUIS uclis j idnlibus In U)omoipbis ixlinonbus
I() 2Z MIS IIIJM|U)l(n_nis ilhis |)(IIK idis sii| (noiibus line mi iinum mil uoubus 5 linois
loiuus inlunudiis (—M iis i Inniibus icclis mai qialibus qumn extcioiespjium \nli-
dioibus illndis npii i bisniiijiL MINUS iusi osi tntibus 4—7 lin lon[^]is, geminis lu-
nis(jiu \ ilidioiilins |Z—14 lin loi!_GL[^] fuse oscuiubus basj pallidoiibus, diMium omm-
lnis dbis — L'cilitiel ad (*intilas* — Mexico
- h M \LI *fN V I 1 bulbil 1 \ i — Huimlis folios! o> ills coliiinndis lupollicuis, 2
poll IMSSI \IIIS nudis \ buMlci hn ills iiiuiuHi[^] 4 l/n lou_sis 2 lin CMSSIS bust
tuii[^]onis, i imiuro-MKiiiibds auolis «\ ililms lucMici lin His. deinum nudis inrin-
Uuis \ fusus .RUCIS lon_Dissiiinib licUioinoiplus c\icicioil)U2> 20—24-nis setaeus
U nuibiis iidnntibiis sii|j(i IUI JIHJS 2 Im mf< noiibiis J lin lon_Dis, dbis \u llucidis
inuimodiis 1—5 ms lon_rioiiliis \ didic ilui[^]tpu icilis ^ sublk MIOSIS, supMioti puuin
buMon inlinio qu im ulii|ui lon[^]ioi \ unmbus n quiloians M—11 lin lon_Dis, vulpmis
b INI jnllidionbus — I'll Line L id *linuta* — IhbiliL in Mi \icO
- 27 M I \nilV(1 In **ulti** -, It TO») | — 4\ ilis • Inninius J—Ijollicins 2 poll U I S M
IMIIS inlii in innll is bit \t< i I mills U i JJ ilhi c J stinosis nnrnillis bi(\ibiis o\ »li-
(JIIKIS ol liq i tiiuu li*. b INI Uh i[^]oniN mine tlon_nitis obs< inc v n< ntbibus, dii oils
pi llnin ilbo-l in IIN ddiim imdis iiiids icukis ridi mlibus In tcioinurpln* cxtono-
iibns M—*2 i is c ij ill CMS irnuisMmi- icilis 2—2^l/ lin lon[^]is pellucidis albis, miti-
IHK Iiis 10—1[^] niN sd id i> u uibus n<h mlibus 10—12-nis ini< quilon[^]is Unuibus, sup^l-
u< N'IUS biiMoiibus Uimionbusqut 3—4 Im lou_p^ri* infenoubus \ iLidioubus 4—1) Im
loii-_{js} dins ctnlialibus J—1> - ins dbis i ubiuindo-ipcicul ills, mm longissuno fi —8 Im
aliiimnlc uuodioisui uuuilc li—(0 Im lon[^]o Ins duobus loiuionbiis primm
i_pmis\ Milpims doniinn pillidionbus —I'titmc i ad *Crimtus iwlijjuanting* —lldbilnt
in Mevico
- 2S M IN \U I I L I > V C I Inning 1 c •/ — knii>pliiienca oblon[^]i 4-pollicaus 2/» poll
CIISSI -mill., IIKMUI hniis nnuillis o\ dibits ^ obsolete Iclng-oms ovilibus t
o\ nli COIK is |),si icliipOins, tpiic siibobliqin liuncitis* 4 Im longis 2^l/ Im ciassis,
Miosccuii-lhMdis IMOIS o\ ilibus biCMLor II nescenti-landlih aculeis seliccis lonff[^]
ii_oMdis bei lomoiplus cucuionbus 20—22-nis pilenli ladnlii inacqualibus, supenon-
bu<! Iciiui[^]siinis cdpilhccis 2 Im longis mfenoubub ;enccis» \alidionbus longioubusqu<.
5 Im iiiingoiibus pcelluudis pnllide llavis, dimuin dbulis. mlcrnicdiis 7—(>-ms **valids**

- subulatis metis aculis inaequilongis uno nlicrove centrali 7 lin. longis, reliquis 5 lin. longis radialim palentibus, isabollinis virescenti-sramincis, fusco-lulcis, longioribus obscurioribus. — Pertinet ad *Crinilas validas*. — Mexico.
29. M. EHORINA C. Ehrnbrg. I. c.f — Golumrinis v. nylihdrica 3—4-pollicaris, 2% poll. crassji, vcriico subdepressa: axillis albo-lanatis longissimeque albo-sclosis; mamillis ov:ili-conicis, margine anlico obtusis, oblique liuncalis 3—4 lin. longis, 2—3 lin. crassis llavesconli-viridibus; arcolis ovnlibus albido-lanalis; aculcis uumcrosie selaceis longis validis heteroinorpbis: exterioribus 20—22-nis superioribus laicalibusque lateraliter conuiventibus subaccumbentibus, inferioribus radialim palentibus 3—5 lin. longis quani superiores longioribus, priinum pellucidis olbis, dcinum opaois pallidis, inlcrmediis 4—7-nis validis rigidis aculis rectis, qualuor plcruniquc decussalis, tribus superioribus 5 lin. longis, inferioribus declinalis 7—8 lin. longis pellucido-albis luscscenli-apiculatis. — Habitnl in Mexico.
30. M. OLORINA G. Khrnbrg. 1. 326. j- — Globosa, ovalis, columnaris: nxisbreviler albo-lanatis sclisque 6—8-nis longis albis, mainillas excedemibus; mamillis ovali-conicis. basi tetragonis, apice oblique truncatis 3—4 lin. longis, 2⁷—3 lin. crassis flavescenli-Aircnlibus; arcolis ovalibus, primum albo-lanatis, demum nudis; aculcis nuinerosis sciosis brlcromorpbis: exterioribus 24-nis, superioribus inferioribusque palentibus, lateralibus connivenlibus arcic accumbentibus, superioribus 2—3 lin.. inferioribus 4—5 lin. longis albis, intmncdiis 4—5-nis icnibus sod quain exteriores validioribus rectis v. subnexuosis, docussalis, Iribus superioribus H—7 lin. longis, inflmo 12—14 lin. longo recto v. apice Jiamalo (usco, obscurius apicilalo, tune rubicundo, demum nivoo laticove. — Perlinct ad *Crinilas hamalas*. — Habitat in Mexico.
- ¹ M. AMABILIS C. Ebrnbrg. 1. c.f — Globosa. ovalis. iripollicaris, acquirassa: axillis parce lanalis: mamillis oblongis, ovalis v. ovali-conicis obsolete tetragonis, margine anlico obtusis, apice oblique truncatis pallide v. llavesconli - vircnlibus, 4 lin. longis, ¹Va—3lin. crassis; areolis ovalibus dense lanalis rubiciindo-flavicantibus; aculeis numerosis selaccis validis hoteromorphis: exlerioribus 22—21-nis radialim palentibus arc-lissiinc accumbentibus, laicalibus sc reticulatim tegentibus, superioribus inferioribus- <uc palentibus, 2—4 lin. longis flavescenli-albis opacis, intenediis 6—8-nis radianlibus acicularibus rigidis aculis, 4—5 lin. longis, uno centrali inflmoque reliquos supc-lanlibus, isabellinis, apice fuscis, longioribus fusco-llavicanlibus. — Perlinct ad *Crinilas vnlidati*. — Mexico.
- ³ 2. M. UERGENH C. Ehrnbrg. 1. c. 326. f— Globosa quadripollicaris, acquirassa, verlice subdepressa, biceps: axillis breviter allio-hmalis longcque albo-sclosis; mamillis pyramidato-conicis, basi tetragonis, apicein versus lerehusculis acuminulais, oblique iruncatis, primum pallide, demuin obscurius alliacco-viridibus; areolis ovalibus, primum albo-lanais, demum nudis; aculcis lieieroinorphis: exterioribus 12—13-nis selaccis icclis rigidis stellatim divaricalis palentibus subaequilongis 2¹A—3 lin. longis albidis ¹ pellucidis, primumfusco-apiculatis, demum corucis, inlerniediis plcrumquebinis rariusvc Iernis, rarissime quaternis subulalis validis, uno sursum vergeote 5—6 lin. longo parum flexuoso, reliquis deorsum versis 5 lin. longis reclis, si quatuor aculoi adsunt, superior quam reliqui parum brevior, inferior apice leniter flexuosus, omnibus (?) corneis. — Perlinct ad *llelcracunhas discolor*TM. — Habitat in Mexico 1
33. M. ATRORUBIA G. Elnbrg. 1. c. f— Globosa, ovalis, cylindrica, 3V₂-pollicaris, 3 poll. crassa, verlicte parum.depressa: axillis breviter lanalis; mamillis conieis apice oblique truncatis, margine anlico oblusis, basi demum dilatatis, 5 lin. longis, 2¹/₄—3 lin. crassis obscure viridibus; arcolis ovalibus, primum brevissime albo-lanalis, demuin nudis; aculeis belcromorpbis: exlerioribus 16-nis brovibiis tunuibus subcapillacois reclis 1—2 lin. longis palentibus pellucidis albis, inlcrmediis quaiernis irregulariter decussatis. subglialis rectis loniterve flexuosis subaequilongis, 4—5 lin. longis niro-rubris. junioribus basi rubicundo-llavicanlibus. demum omnibus nigrescenti-cinercis. — Pertinet ad *Heteracanthas discuforc**. — Habitat in Mexico. (?)

- 34, M BFFURCA Alb Dicti. Allgem Gitzntng XVIII 188 f — Obovata mamillis crassu, subtetiagonis obscure Muidibus, axillis infeioibus nudis, supcuonbus sujrianalis, ar«o-
IM minium, vix lamgens aculcis lateralibus subduodems setaccis reccis, in orbem
disposiis cntr.ilibu? duobas divergentibus subulalis, supenon lecto, mleion apice
lccuivito — Habitat in Mexico.
- 35 M. III ^DI RI Muhlnprdt in Olio fit Dietr Allgem Gart. Zcit. XV[. pag 20 f — Glo-
bosa \mdis vcilicc impiesso, axillis jumonbus lanalis, mamillis conicis clongatis b
lineas lou_nis 1 lineas latis, areolis jumonbus albo-lomcniosis, apicc mamillarum dis-
posilis aruleis ndianiibus 20—22 dbis selaccis, inlrnon robustiore paululum elongate-
centrnl uno ciccto coinco, basi apicque fusco 27_a—3 linias longo — Affinis 3/
glalnac Salm-lhck — Ciesut in republica Tctensi
36. M DIVARICVTA Alb'Dieti Allg Gart Zeit XVI 210. f — Globosa glaucescens. ver-
tice exca\ao mamillis confertis spiraliter dispositis, obtuse tetragoms albedo-punctatis,
axillis hnatih artoli-. nudu», aculeis cvtenonbus sedccim selaccis albis, apice spha-
cehus, mterioribus duobas divergenlibus fuligmosis — Pci linet ad *Held acanthus leuco-
cephalus* — Crescit . . . *
37. M D[CLIVIS A. Dietr I. c XVIII 235 f — Humihs. applanata. glaucescenti-virens
axillis sublanalis, mnmillis crcllis, p}ramidalis tetragoms, areolis minimis vix tomen-
losi<> aculcib marginnliliis 14, in oibcm disposals seuceis albidis, basi apicequo rubi-
ginosi^, acuko centiali unico porrecto cias«iore subulato subbieviorc. — Afilnis *M
hysluci*. — Hibiat *m* icpublica Tcxensi ad Coipus Chusli
- 38 M SPINAUREA Salm-Djck in Oito & Dieti. Allg. Garlenzng. XVIII 394. + — Caulc
subglobobo aut depresso axillis scomonbus floccose lanatis, mamillis lacto vindibus
tciitigono-otaiis, subius gibbtrulis, apice oblique oblusis, pulvillis ovalibus infeinc
saepe sulto parvulo clongatis mox nudis, aculcis exienonbus circitei 12 gracilibus
ngidis pilulis, inferionbus scnsim longionbus mflmoque mterdum e sulco enascente,
contialibus 5—6 duplo longionbus ac crassionbus recurvato-deflexis, omnibus con-
colonbus aurcis — Ad Rio del Noite in Mexico.
- 39 M. PAPYRAFANTHA A Gray, Plant Fcndl 49. no 245 + — Ovata prolifera aculei&
omnibus plants chaitaccis fltxilibus albis radulibus brcMbus 8, centialibus 3—4
multo longionbus. 2—3 supeiionbus sursum curvalis, singulo infenore longiore la-
tiorc doorsum llexo, flonbus centialibus (albulis), scpalis 12—16 ovalis acutis inlcgns,
petalis sub-13 lancoolatis acuminatis inlcgns, sligmatibus 5 subreclis exserlis albidis.
— (rescu in Nova Mexico
- 40 M MJTTALLII A Giay 1 c. adn. + — Simplex (an semper?) globosa axillis tubei-
culoium ovalo-cjlmndiicoium supra leviter sulcalorum subtointosis, areolis junioii-
bus nlbo-toinentosis, aculcis reetis albidis. radcilibus 13—16 subinacquabbus seta-
ccis, centi ill poi recto robustioie, floubus ex axillis tubeicolorum hornotinorum cen-
iralibus (r\ lubillo fla\icaritibus), scpalis petaiisque oblongo-lanccolalis, sepalis 10—13
bievionbu* exleuoubus ciliato-hmbmtis oblusiusculis, mtenoribus apice lacens acu-
tis pcialis 20—23 interns bieviiei abrupte mucionalis shlo supia stamina (lubella)
pnulo exserto, siigmaiibus circa 5 brevissimis eicctis adpiessis vmdibus, baccis late-
lalibus subglobosis coccineis — *Cactus mamilmis* Nutt (necL)— Ciescit in Ame-
rica septentiuonali (Missouu)
- 41 M. HFMSPIALRIGA I ugclm m Boston journ of nat bisk VI 198 f — Simplex
hemispbaciica tubei culls elongato-pyramidatis subquadrangulatis, apice ex tomeato
albo bievi mox evanido aelucifens aculcis rectis 9—10 tenuionbus inaequalibus ra-
dianiibus, singulo centiali robustiou ponecto, axillis nudis, floubus sordide albidis
seu rubelhs, ovano glabio. sepalis sub-13 lanccolatis aculis vel oblusiuscubs, petals
sub-13 oMongolauccolalis muciomtis mlegns seu versus npicem denticulatis, stig-
mHibus 5—8 ex flavido lubellis, supra stamina numerosa rubella exsertis, baccis
elongato-clavins, scnunibus clongalo-ovatis rugulosis minutw. — Crescit . . . ?

42. *M. GUMMIFERA* Engelm. in *Wialic. Roperi. not. 33. a** Boston Journ. of bot. hist. VI. 199. f — Floribus rubellis; ovario glabro; sepalis sub-13 oblongo-linearibus obtusiusculis tubularibus; petalis 16 innatis breviter acuminatis denliculato-erosis; stigmatibus 6; corolla breviter rubella longe excedentibus, petala subacquantibus virescentibus. — Crescit in Mexico boreali.
43. *M. RUSCHIANA* Rgl. Ind. sem. hort. Turic" 1850. coll. pag. 4. not. [*Aitiacolhclar glandulosae*]. — Caulis erecto ellipsoideo; axillis nudis; mamillis magnis (8" longis, 5—6" latis) erectis ovatis vel compresso-ovatis, supra sulcatis; areolis ovatis; aculeis obovatis patentibus recurvis, radiatis 13 — 17 albidis (5—8" longis), centralibus crassioribus et longioribus 1—2 vel nullis. — Habitat in Mexico.

t Icon addenda.

M. CLAVA Pffr. — *Wlprs. Rcpert. II. 295. no. 117. - Hook. Bot. Mag. t. 4358.*

IV. HEEIOCACTITS DC.

(*Wlprs. Rcpert. II. 304. — Salm-Dyck Cact. in hort. Dyck. ao. 1849. cult. p. 138*)

Tribus II. *ECHINOCACTEAE* Salm-Dyck 1. c.

\ Germen exsertum squamosum, raro laeve; (lores e iuberuis pulvilligeris plerumque in costas confluentibus, in vertice caulis; tubo perigonii plerumque brevi.

V. DISCOCACTUS Pfeiff.

(*Wlprs. Rcpert. II. 323. V. 817. Char. gen. excl. spec. — Wlprs. Annal. I. 335. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 140.*)

VI. MAIACOCARPUS Salm-Dyck.

(*Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 141.*)

VII. ECHUSTOACTITS Lnk. «y Otto.

(*Wlprs. Rcpert. II. 309. fit 936. V. 813, Annal. I. 332. tt 974. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849 cult. 142.*)

- *. *E. LINKEANUS* Alb. Dietr. Allg. Grtznng, XVI. 298. i — Obovatus: costis foliaceis decipitibus apice uniaerolatis; areola verruciformi elliptica concava villigera; aculeis sex albidis, lateralibus quinque planiusculis inaequalibus subcurvatis. centrali solitario piano varie curvato. — Crescit in Mexico.
- 2- *E. PCLVERULENTUS* Mühlmpfrdt. in Allg. Grtznng, XVI. 9. f — Virescens, ovatus sive oblongo-ovatus, 13-costatus: costis obtusis; areolis 4" distantiibus circiter -Janatis; aculeis radialibus 6—7 rigidis 4—5" longis, centrali uno, 1½" long. — Crescit in Bolivia.
- 3- *E. OCTACANTHUS* Mühlmpfrdt. 1. c. 10. f — Obovatus, 40-44-costatus: costis compressis interruptis; areolis immersis albo-pilosis tumidis; aculeis radialibus 7, centrali uno. — Crescit in Mexico.

4. L. ADVLHSISPIMJS Muhlnpfdi 1 L. 10 i — ObovaUis 34-ccMUus coslis acini*, ano-
 lio I¹, dislaniiibus subumnusis, jimioiihus albo-hnati->, scnionlius nudis, aculpib la-
 iliaiiibus 7, LCiUdh uno, aculu 3 supcuuics et cenli ak<> clonjjaii ot .ul^crsi — Cies-
 cit in MCMCO
- 5 i: (IHIOIOPHTHALMLS Hook. Dui Mig t. 4373 f — Gloinwilus subglobosus \m-
 d* piolunde subilLccinsulLnus IUHTCIII* conico-liemispliatiiu& m angulalis, saepe
 tonllucnlibtis, nicolis pioiinnonilius lamlis, aculu* 10—12 autulaubus ladianlibus
 tccutis, ttniiali \alidioio, junionbus ba>i iubu& calæcis lubo cæindracco tubeiculoso-
 s&uram iio. sqmiiis v. mborculis iiribuctiis, apice lanati^ atulcalisquc, summit pcla-
 lonlcis pctnlis pui pui cis, h IYI pallidi*. sii^malis tadiib Mudibus — Habitat in Moxico,
 He il dol Monlo
- 6 I. IUIOliOriUII VLMUS Hook. Dot. Mag I.4J86. f — Solihims subclalus conito-co-
 lunnuu>, piofunde 8—9-suhatus co^tio obtiibi* CM nalo - luberculatis, tubricubs
 cœnpræssis sublirnusphaeiuis, aicolH obsolete linatit, aculcis subno\cm \alulis ro-
 clis pui pui co-fubcis, (hiiuin pallidib, cenLi «ii subduplo niijoic caljtis tubo obeonjeo
 squamo<>o incimi, squaiuii sLpilis\t owlis> ilbo-iiiiaijnalis>, pilalis sjialliulus IOJ>CIS,
 JIISI inenMC mbus — In MCMCO nē Si LOIII* Polo-si
- 7 I U)IMIoTII,LLSilin-D\«kiiiOUoai)iPli AII_B. i.itnznj Will 395 -\ — Caule depicssio
 biibplJeciiiiifouni fclauco, \CHILP 1 m iio lb-cn^nto, coslis biibobliquis sinualo-rçpan-
 dis compicssis, ad pulvillos IULI iciiIUo-mci l^aiib, tubculilib maramacfoimibus Aalde
 promiH ntibus remote obliibis, }>ul\illis immci-sis, jumoubub lmatis, mox guseo-lo-
 mentosis, aculois i clon,ali>» \ ilulis iit,nhssim>> puipurco -biunnn-s dccussalun dispo-
 surs, iniino ^alidjoic, cum ulvenliins summit) 2 giacilioubus sacpo aut ommno
 (leftitntibus — Ad Rio del ISOile in MCMCO
- S I. GHISBILCHTH Salm-Djck 1 c. f — Caule ellipsoideo pcivuiji, mox purpmascen-
 Inunco culiculaque solubili gnscæ obducto, costib 8 \citicalibus compicssis obtusius-
 (ulis sinu lalo piofimdc di\i^s, j>ul\illis concili^siniis orbicularis, lomento nigro la-
 infue paica j^nsca msliuclis, acultis mimciosis ^al^lc elongate ncutulanbus flexile n-
 gidi^ incui^atim ercclis (onfulis, summit giacilionbus, lalcralibus 6 lalulionbus cen-
 iiiiili<iuc validi^simo bipollicm el ultia, omnibus concoloubus biunneo-luscis. — Cum
 piaccilenlp
- 4t T nicCLOIDCUS Salin-D\ek I c. f — Caule sul)globoso lacip Miuli luberculato, tubci-
 rulis (lisliiiLtis subsetnlitci et cum ucims qiuncuiccialilci dispositis mammaformibus
 cioclib, apice inciassaits oblique iotuminib puhillis subimmci^is ovalibu^ nudis. su-
 pcinc in sulculum productus, aculeis exteiioribus 8—9 ladianli-patentibus, infouori-
 bus bensin bicMoubus, cuitialique solnauo oiccio, giacilibus cincieo-sliamincis,
 h>si put pui astentibus — Mexico

f- Icon addenda.

- 1 (INN\UALUMS Hook — Wlpis. Annal 1 334 no 20. - Moncn, Ann de la soc
 •I hoi in tlo Gand IV 15 t 174

TJJJUS III CBREAST REAE Sdlm-tyck J. c

GUMEN ixsciliini, -quamosuni, laio laevc; flores e iubrculis pul-
 villigciis, plciumque in coslas <onPucntibus, laleialcs, lubo pengonu
 plciumqiu clonjiato

VIII. liJKLCHTKIVIIJBRGIA tiuhej

(Fischer mss ex Hook hoi Mag. tab. 4393. — Salin-Djk. Tact, in hort Dyck ao. 1849
 cult p 177)

Scpala uumciosii, basi o\auo adnala, in lubuni clongatum concrete,
 «\tci joia bic\iori\ caljemali i spaisa, media loneioia subcoloiata, in tuna

pclahformia Slamina. numciobi&sima cum tubo concicla SL>lus ciassus coluinnans, sli^nia latins letuivatis subdicem Oxaiium uniloculare OMIIS numciosissimis paiietalibus — liuttv. carnosus, mleino sublignosus, Uongato-cylindraceut, spnahleL mamimllosus: mammiJlis valde dongilis "ioliifoimibus (3—4-unciahbiis) acute tnqueInS truncatis, (mfuioubus dcciduis ct tune caudcx cicnlus>alus) apice lon^e glumaccospmosis, spinis extenonbus bi#\ionbus subdeeem, ccntiah longissima basi Inquctia

1 *L PRINf IPIS Fisch mss tv Hook 1 c f— Salin D\ck 1 c t — In Mexico Rio de Monte o

IX ECHIHTOPSIS *Titct*

(Wlpis Rcpit II 323 V 818, Annl. I 335 — S<<lm-Dick, Cact in hort. Djck ao 184* cull p. 178)

- 1 I OCTACARSniV MuhlnpiUli m Otto tt Dicti All_n Gunzn^ \VI 19 f— Flavo-vnens pol]ccphala ?— S-costila costit. obtubib, inlet aicola^, lubciculaulci tum id is, aicolib jumonbus albo-lanatis, scnionbus nudis, 6 linear dislantibus aculeis ngidis fusco-
tuerets, i uliantibus 7, ccnirali uno — Habitat in republica Texcnsi
- 2 L FORBI SH Horl angl \ Dicli Allg Gilnzng XMI 193 f—Globosa depiessa vindis subduodecnnocostia coslis erases Inlcrnpti^ smubus aculis, arcolis romotis mimor-
s>s albo-lanalis. aculeis 10—12 inawjualibub subdisticbia subcuivans, nilcrdum 1—2 ccnir<ilibus, petalis hctc IOSCIS — Habint .
- 3 L TRICOLOR Alb Dieti All_o Gilnzng XVI 210 -\ — Obo>ala {'aucscscns oclodi. cncnoslata veiticc rcluso costis ciassis aculis icpindib, smubus atulis aicolis re-
mouus unniLims albo-lanalis, aculeis 8—9, aicuaib, lacialibus sex biscnalibus albi-
dis, liiioimedus bohniis, buns \cl teinis biunncis, cilyus plijllis purpuicis* p<clals
basi llavis, apice fulvis — Cicscit

t Icon addenda.

L HIISTAI V balm-Dytk 1 c 178 - Hook But M₃₁ t ioii

PIEiOCEREUS *Lcmal*

(Wlpis Rcpit V 818 Annal I 335 — Salm-Djck. Cact in loit Ovek IO Ibi9 cult P lbJ)

XL €E R E L S *Haw*

(Wlpis Rcpit. II 325 [exel sect 1J V. 818, Annal 1.335 fie 975 — balm-Djtk C ia in hoit Djck ao 1849 cult p 187)

- 1 C TROCUMRLNS Lngclm. Dost, journ of nQt h6i VI 203< numills ciulo suhit-
tel; sive angulalo articulato lamosissimo lubciculis aculicfens diblmcis 4—5-lains,
u folis paivib oibiculatis, junionbus bicvilci albo-toinentobis aculeis bicvibus tenui-
bus nlbidis. apico fuscib, 5—6 ladidiilibub, ccnliih MLUUIO cicclo jnulo longioic¹
flordms diurnis, ovano luboque brevi pulvillis sub 40 ilbido-villpsis s(las spinostencles
brevioieu fubcas 6—9 &< tenlibus slipilo bcpilib inluioiibus bul>-lj liucaii-lanccolatis
ccuminaus pcialis IS—20 oblon_o-hnceiibus atulis mucioinii* subintegus (violacois),

- stigmato tmd i mfuudibulifoimi 10-partito, stamina (pallulu (lavicaium) pnulo superante — Cicscil in rpublica Texensi.
- 2 C. FLISDLLRI A. Gray, Plant. Fendler 51. no. 249. f — Globoso-ovatus simplex vcl c basi prolifei cae*pilosus coslis 9—10 obliquis tuberculatis mterruptis, areolis oibiculatis appioximalis. aculcis basi hulbosis robustis, radialibus sub-7 coinpicssis subincuivis fuscis, clemura cinereis (tnbus mfcnoribus longionbus, supeuonbus bicvioubus, sum mo nullo), aculco centiah robusliorc longioie trctiusculo, sursum curvato ntro-fusco, floubus campanulalis, tubo pulvillis sub-30 albo-tomentosis stipoto, infenonbus aculeos setaccos. albos apice adustos 8— *IZ* radialcs ct singulum ccentralcm, supcnonbus aculeos sub-3 lobustiores longiores curvalos albos gerenlibus, scpalis intcnonbus 12—15 linean-lanccolatis acutis, pctalis oblongo-lin6aribus acutis \el obtusis lb-*24, sligmatibus 12—14 vindibus, stamina numerosissima vi\ supelantibus
- (5. *paupaculus* aculeis robustis nbbrevialis, radialibus 5—7, centrali subnullo — Cicscjt in Nova Mexico ad Si Fe.
-) r LEEAISUS Hook Dot Mag. t 4417. f — Erectus subpedalis conico-cylmndiaceus, subacutic 12—14-coslatus areolis approximate pulvmato-tomentosis sub-12-spinosis spim* \ aculeis aciculanbus valdc maequalibus stnctis fuscis, extenonbus 2—3 lineas longis, cenliali unciali, ilonbii3 subletuiniulibus speciosis latciitio-sanguincis; squaiius calhtinis apice vindibus setosis, pclalis obovato-oblongis aculis — Habitat . . . >
- i C TWLIDILI Hook Dot. Mag. tab 4498 — Van Houtle, Floic des scircs VI. 71. tab. 559 f— Licclus cjlindiacus glaucus poljgonu^ costis obtusis acqualibus (non tuberculatis), aicolis copiosis ovalibus iusco-lanatis; spinis numerosis inaequalibus 4—5 vahdionbus albis fusco-vaiiegilis, quorum 3—4 ereclo-pateniibus, unico cum icliquis rnonbus albis, omnibus deflexis, flonbus numerosis lateralibus aurdntiacis, tubi calycini dongali curvali colorati squamis remolis, infenonbus cilialis. fauce obliquun, pclalis breMssimis viv calcem acquanlibus, siammibus macqualibus, supenonbus longionbus cxscrUs — In Bonaria
- 5 (IMGIDISPLNUS Muhlndfrdl. in Olio a Dietr. Allgem Gitnzng. XVI. 12. f— Erectus 13—14-angulatus, tandem basi inmosus costis obtusis, aieolis duas lineas distantibus subtomentosis albis, aculcis radianlibus circulo duplici positus, extcnoribus b< tdlclib albis, inlcnonbus pallidis, cenlialibus duobus fuscis — Crescit . . . ?
- ». f SUPLUBUS A Dietr. Allg. Gitn/tng. XVIII 234 f - Caulis dtbilis raraosus, clavitus, lamis cla\alis, basi consliictis ^cpiangularibus, jumonbus purpurascntibus, •sinibus acutis, coslis acutis cicnatis, areolis convexis albo-tomentosis; aculeis subacqualibus icclis llavidis niudis, marginalibus subdeccm, cenliali unico erecto-patente. — Habitat in Mexico

t Icon addenda.

- < III DICTUS DC. — Wlpis Repeit. II. 325. no. 6. — Hook Dot Mag tab 4443

VII ECHIIVOCEREUS *Engelm.*

(Lngclm. in Wislic. Report note 7. ex A. Gray, Plant Fendl p. 50. ado. — Genus ad flnem to mi term in Addidamento describe ndum)

1. 'L' LOCCINEUS Engelm 1 (— *Cc/cus coccineus* Lngclm. Plant Fendl. pag. 51. no ^47 absque diagnosi.
P *melanacanthus* aculeis ladialibus 10—12 cincicis, contrail longissimo atiofusco poiccto, recto s. leviter dcoisum curvato.
Y- *cylmndiacus* sub^unplx cjlindncus, aculeis 8 ladialibus, siogulo robuaUOH ponccto — in Novae Mexici montibus deitionbus ad St. Fe
- 2 'E' TRIGLOCHIDIATUS Entrelm. 1 cit. — *Ceiens tnglochidialw.* Lngclm 1 cit no 11^

Tribus IV. *PHYLLOCTEAE* Salm-Dyck J. c!

Flores e crenulis lateralibus aut ex apice articulorum caulis foliaceo-deplanati.

XIII. *PHYIXOACTUS* *Ink.*

(Wlprs. Repert. II. 341. V. 820. — Salm-Dyck, Cact. in hort. Dyck. anno 1849. cult. p. 223.)

1. PH. ANGULIGER Lem. Jardin /leuriste I. 6. — Lindl. et Paxt. Flow. gard. pag. 177. tab. 34. — Ramis foliaceis rigidis plantis crassis pinnatifloris, lobis fere rectangulari-triangularibus; floribus exclusis fuscis, inclusis candidis; sepalis quam petala longioribus; stigmatibus 9—10. — Habitat in Mexico occidental!*

XIV. *EPIPHYLLIOPFEIFF.*

(Wlprs. Repert. 11.342. & 936. V. 820. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. 225.)

Subordo ii. *CYLCTEJLE MOTJLTJLE* *jut**.

Cohors II. *SQUAMATAE.*

Tribus V. *RHIPSALIDEAE* Salm-Dyck 1. c.

Germen exsertum, perigonio marcescente coronatum.

XV. *DISISOCACTIJS* *Lindl.*

(Lindl. Bot. Regist. [New Ser.] XVIII. t. 9. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 57. fig. 227.)

XVI. *RHIPSALIS* *Pfeiff.*

(Wlprs. Repert. II. 342. fig. 936. V. 821. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 228.)

1. RH. PACHYPTERA Pffr. — Wlprs. Repert. II. 342. no. 6. — Paxt. fig. Lindl. Flow. Sard. I. 155. fig. 99#

XVII. *PFJEIFFERA* *Salm-Dyck.*

(Wlprs. Repert. V. 821. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 231.)

XVIII. *UGPISJHHJJH* *Pfeiff.*

(Wlprs. Repert. V. 821. fig. 344. — Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 232.)

Cohors III. *FOLIOSAE.*

Tribus VI. *OPUNTIEAE* Salm-Dyck 1. c.

Mores laterales. Caulis carnosus v. sublignosus tores ramosus, aut articulatus, articulis compressis v. cylindratis; folia magis minusve ulata caduca.

XIX. *OPAXEA* *Salm-Dyck.*

(Salm-Dyck, Cact. in hort. Dyck. ao. 1849. cult. p. 63. a 233.)

\X OP11IVT1A *loumtf*

(Wlpis, Reput II 34b V 821 \nml I 975 — Salm Dvck Caci in lion Djrck ao lbU
cult p 233)

- 1 0 IMIVLArAMHA A Guy Plant Icndlci51 no 250 — UifTusa iiliculis obovi-«
Us sen oibiculato-obo>ali6 compresses arcolis orbicularis fusco setosis nm^inc in
ieiioio aculeos robustos 1—5 lcrlos compiessos imcquiles fuscos api(C pnlli loies
liluunique deflevos hcrentibu!> ianus\o nudis oviuo obconico iicolis sub 30 totcnlo
pallide fusco instiuclis, supmonbus nlbo selosis sc|ah* inciiionbus sub-20 hlc
obo\itis rclusk. ECU cmaifcinatis pet ilis 10—13 obovatu* leiusis sou cmai_eimlis slip
matibus 5—7 subciotib, stimina \ix supcnntibus bacca obovito pyiiforini nuda —
Cicscit in Nova Mc\ico ad Si Fc
- 2 0 LLNDIII **III** III Ln_bclm Doslon jouin of mtui lust VI ^07 — I recn rolmsli
ctulc li^noso iiucuh (niabrn^)^ ellippius bisi Ulcnuais plains pulvillis icinoli^ ad
miigincs Lonfrlionbus gnsLO-tomcnlosis sclis fliMdis acultisque pnucis mstiutus
1—3 compicssis vilidis dcllexis VUIL dixtrgcnubus suamincis, nunc cum 1—2 atu-
Icis adventitis jiiicilionbus floie > bacci chvaia clonpan subpulpost ^labiatn
semimbus late inir^nnlis — Cicscit in rc|ublici Texensi
- i 0 INGLLMANM Salm Dvck niss c\ Cn^tlin 1 c — I icen articulib oibicuhlo
obo\ntis plamu^Luhs pulvillis icmolis id inai_0inos tonfrilionbus gnsco - lomcniosis
setis nvidis aculcisque paucis compicsMS incij ilibus msruclis 1—4 valulis sicpe m-
acqualibus nn_oi6 minusve dcllexis vine divei_bcnlibus basi iuli> cutcium stimiiiius
cum advcnlito inQnio_bncihoie albi lo saepe deficente 11 ' bicca ovata subg-lobosa
laic uinbiliota pulvillis pluubus tonicntosis, slipaia semimbus mmonbus anguslc mai-
gmalis — Cicscit in iciublici Texensi

t **Iconen addendac.**

- 0 SVLAHANA Paiinem — Wlpis Rc|cil II 353 no 79 — Hook Uoi Mag t 4oi2 —
Put & Lmdl How feaid I 157 ii£ 101

Tribus VII PERESKIEAE Salm-Dyck 1 c

Iloics tciminales aut in apicc caulis pamculalim conferli, satpo
aubpeclunculdti Caulis fiuticosus. lolia pierumqic plana pcisislntia.

\1 **PERESKIA** *lilumc*

(balni-D)ck (ici in hoii D|i no 1849 cull p 75 Ic ZoZ)

Ordo CII. RIBESIACEAE *Endi*

●(Wlpi) Repoil II 357 V «22 Anml 1 336 a 975 — *Giossulancac* DC Piodr III 477)

4682 RIDES *I inn*

(DC Piodi III 477 [c\d sect 1] — WJpis Repcit II 357 V 822 Annal I 336 a 975)

1 R (*Grot>sulana*) LLPHMIUM A Gn\ Phni Fcndler 53 no 254 — Ghbium setosum sjinis subilhiibiu> soliu i* validis mius gemini. tcimsvc foliis parvis (4—b Jin htis) ciebbi* quinquefidis lobi*. mews pedunculis brevibus deflexis 1—2-noijb pedicellis subnullib biaclcis subiotunddti* o\ano bievioubus olycc tubuloso giacili e\ius pile so albido loins spaibuhiis tub um acquaintibus stamimbus pctahsque inicgmimi* subduplo lon^ioubus stjlo glabio indm<>o stigmatibus binis, baccis inirmibus glibiib — Crej>cil in ^ov\ -Mexico nd Rio del ^ollo

^ R (*labrsia*) MLLA^A^TIUM Doiss fil lloben Diagnos phnt orient nov X |> 19 -f — Incime iimis dbrcMatis toituosis foliis ad lamulorum apiccm confortis iai\is pciolo paiule pube^centi sufTuhis ulnquo pubciulis cglondulosis vmdibus ^lioibicuhlis ad medium usquo inlobis lrbis brixiiici ct obfusc 3—5-dcnlatis lacc-nl** ad i\ iu in ramulouum solilams foln supci mill us lenuibus laxiusculis nxi tomen los o i cditellis eglandulosis liiii>uli» cihco | uilo biOMOibus basi bracicn oblongn i<-uiiiiiini i ilbitl i pellucul i feliuiliiloso - cilnl I lloicm ncqinnli suffultis flonbus pm-^{vis} 'lively atiopurpuici pilis albi-* bispidi lubo ovilo apicc subconsinelo Iimbi plecto pnuh luuuuID o\ali^ oblusis, pelalis oibicuhlij. ilio-purpuici^ minnnis sljlo summo ipite bifido, bicca ? — Cicsui in saxosis jugi Nass>ron montis Dcmawoml in Persia

Ordo CIII. SAXIFRAGACEAE DC

bc Piodi IV 1 a 665 — Wlpis Report II 362 & 936 V 823 Annal I 336 a 975)

4631. V^HEIiIA *Ihnbig*

(DC Piodi IV 53 — Wlprs Repcit II 362)

† v OLDEINLARS DIOIDES Rxb - Wlprs 1 c no 1 - Wght Illustr oi Ind bot II 115

4634 SAXIFRAOA *I inn*

^{ri}C p.ro(1r iv 17 — wiprs Report II 362 a 936 V 824 Annal I 336 a 975)

† *> AINDRrwsH Haivoj in Hook. Lond Jouin of bot VII 570 + nb 19 — Cuitc
 l)lev, folns rosulalis pilcnlibus spiihuhiis ohm-is ghbn* en smsculi* \ns\ in pe

uolum subciliatum angustatis, obtuso dentatis, margine tenui membranaceo, foliis
 paniculatis, pedunculo pedicellisque longiusculis glanduloso-inraris, sordatis basi
 coalitis, ovano adhaerentibus recurvo-patentibus (nec reflexis) oblongis obtusis glabris-
 culis, margine angulato membranaceo, petalis calyce triplo longioribus, late ellipticis,
 vix emarginatis punctatis. — Crescit in Britannia prope Denynone Abbey

- 1 S. HARSCLFRI Boiss et Reut mss. et Boiss. \oj bot. App p 730 f — Perennis.
 glanduloso - viscosa, basi gemmifera foliis radicalibus cuneatis in potium breviter
 imbricatis incisivo-quinquefidis, caulibus paucis sessilibus cuneato-lineari-
 bus inflexis \er⁴*
 inttigi, caulis humilis superne ramoso, ramis patentibus divaricatis 1 — 2-flores. floribus
 longe pedunculatis, calyce glanduloso bicuspidato ultra medium quinquefido, lobis
 ovalibus obtusis, pedicellis obovatis obtusis trisulcatis calyce triplo longioribus, capsula
 subglobosa calyce ca dimidio breviter coenata. — Habitat in Hispania meridionali in
 regione alpina ad Sancto-Val.
- 3 S. RUTERIA Boiss Voj bot App. p 730. f — Perennis caespitosa. tota pilis
 crispulis viscidulis puberula caulibus brevissimis subnullis, gemmis axillaribus nume-
 rosissimis breviter stipitatae, haec subternatis globoso - capitatae obtusissimis folia
 acquantibus. foliis radicalibus breviter petiolatis, limbo ovato - rotundo transverse
 lobatis ad basin usque bifurcato nervoso, lacinis lateralibus cuneatis, ad medium
 usque divaricato - bipartitis, media indivisa aut breviter bifida, folia
 imbricatis oblongis obtuse mucronatis scapis brevibus 1—2-flores folia minimis
 hincibus paucis obsitis, calyce breviter mucronato glanduloso lacinis ovato-rotundis obtusissimis,
 tubo spathulato longioribus pedicellis obovatis trinerviis obtusis rotundatis calyce
 sesquialongioribus — In Italiae partibus montibus supra Graziola
- 4 S. HEDRACFOLIA Hochst mss., ex A Rich Tent fl Abyss* I 317 — Caule
 caespitoso, a basi lamoso prostrato succulento, dissepimentis piloso, folia
 alternis petiolatis
 lineariformibus in ambitu sub-3—7-lobis, lobis obtusis obtusissimis
 intermedio
 latioribus, superne glabris, subtus pilis lanis fenugineis raris, petiolo basi
 dilatato
 simplicia, floribus laxis pedunculatis solitariis, saepius oppositifoliae, pedunculo
 folio longioribus, sepalis imbricatis basi coalitis, petalis obovatis-oblongis
 inaequalibus. flori-
 bus basi latioribus complanatis, capsula subglobosa-didyma, apice
 bifurcata transver-
 sa in hanc semina subglobosa laciniis — In Arabia montibus Aladji & Boua-
 hit, elevatione 10 — 1400 ped.
5. S. TAYLORIA Boiss. & Heldr. Diagnos plant, orient, nov. X p. 19. — Perennis
 caespitosa rhizomate tenui rufescenti folia fere omnibus radicalibus, petiolo
 longo
 tenui longe elatissimo hirsuto sulcatis parvis, margine subleniter imbricatis, caeterum
 glabris, herbaceis firmis immixtis rariis cordatis subrotundis vel transverse
 lobatis 3—9-crenulato-lobatis, lobis rotundatis obtusissimis mucronatis, scapis
 nudis
 vel foliolis unum alterumve imbricatis vel trifidis fere omnibus, inflexis
 cuneatis
 superne breviter glandulosis. floribus pedicello usque longioribus sulcatis, paniculam
 pauci-
 lioam subcompositam formantibus, bracteis linearibus minimis, calyce glabris-
 tuli laciniis oblongis obtusiusculis, petalis albis rubropunctatis ellipticis obtusis, ca-
 lyce
 hinc longioribus, capsula oblonga apice emarginata, siliis divergentibus
 super-
 rata, seminibus brevissimis oblongis angulatis — S. *Olympta* var. *mici ophyll**
 Boiss mss. — Crescit in rupibus muscosis umbratis humidis Tabeti superioribus
 infra nives
- 6 S. PLEURANTIA Toir in Int. ex Benth. PI Haitw 311 no 1770 — Rhizomate
 caespitosa folia longioribus petiolatis ellipticis amplexicaulis orbiculatis,
 ambitu lobatis
 et incisivo-dentatis membranaceis, scapis subnudis, apice cymosis glandulosis,
 calyce
 tubo breviter campanulato, lobis ovatis obtusis, petalis obovatis-oblongis,
 car-
 pellis distinctis — Species ab omnibus hucusque cognitis distinctissima, character
 laminae
 floris omnino *Sauvayae*. Rhizoma caespitem in tenam vel sub aqua repens,
 squamis
 orbiculatis latis obicibus. Tota planta glabra, sed petioli, nec foliorum
 vix
 vix in praecursum mucronatis glauculis in scabie cuncta Folia cuncta, petiolo

bipedali. Lamina 6—8 poll, diametro, medio concave afflia, lobis valde inaequalibus ovatis, sinibus interdum foro ad dimidium radii attingeniibus, margo loborum dupliculo-dentatus vel breviter lobatus. Scapi bipedales, folio parvo cuneato lobato vel dentato infra cymam instructis. *Cyrea floribunda*, io specimine 4 poll, diametro, ebractata, more *S. cordifoliae* ramosa, floribus quam in illa specie paulo minoribus, roseo - albis. Calycis lacinae linea paulo longiores foliaceae glandulosae. Petala 3 lin. longa marcescentia. Stamina 10, filamentis basi dilatatis apice tenuibus, antheris ovatis. Ovaria glabra, basi lata affixa nec aliter cohaerentia, apice attenuata in stylum brevissimum mox concavo - dilatatum, parte stigmatosa incrassata marginaliter oblique subhippocrepiformi. Ovula numerosa. — Crescit ad margines rivulorum in Californiae, etiam in aqua ipsa crescens, in montibus Sacramento.

7. *S. SULLIVANTH Torr. & Gr. — Wlprs. Rept. II. 367. no. 40. — *Sullivantia Ohionis* A. Gray. — A. Gray, Mem. of the Americ. Academy of Arts. (New Ser.) Pl. tab. 6.

4668. **HYDRANGEA** Linn,

(DC. Prodr. IV. 13. & 666. — Wlprs. Rept. II. 375. V. 835, Annal. I. 338.)

- * H. PUBESCENS Dene, in Van Houllc, Flore des serres IV. tab. 378. 379. — Foliis oppositis longe petiolatis ovatis vel ellipticis acuminatis, argute serratis, supra glabris, auhius pubescenti-tomentosis; paniculae amplae patentissimae planae ramis divaricatis pubescentibus; floribus sterilibus albis; pedunculis pedicellisquo pubescentibus; bracteis setaceis deciduis; floribus fertilibus trigynis glabris. — Japooia'

4672/ **ADAMI A** Wall.

(DC. Prodr. IV. 16. — Wlprs. Rept. II. 377, Annal. I. 338.)

- * A. CHIKENSIS Gardn. & Champ, in Nook. Kw gard. misc. I. 311. — Foliis oblongis vel ovato - oblongis, utrinque acuminatis mucronato - dentalis; cymis depressis compatiis. — Frutex ramosus. Rami obscure tetragoni glabri, ramulis puberulis. Folia opposita petiolata oblonga vel ovato - oblonga, utrinque acuminata, mucronata serrato-dentata pennivenia, subtus pallida et grosse reticulata, utrinque puberula, 5 — 7^{1/2} poll. longa, 1^{1/2}—2^{1/4} poll. laeva, petiolus pilosiusculus, 9—12 lin. longus. Cymae paniculatae terminales multiflorae pubescenti-pilosae. Flores pedicellati, pedicellis 4—6 lin. longis. Calycis tubus ovario adnatus pilosus, 2 lin. longus, limbus quinque-dentatus, dentibus latis acutis. Petala 5 subcarnosa oblongo-ovata acuta, dentibus calycis interna, disco epigyno inserta. Stamina 10, cum petalis inserta, filamenta complanata aciculata. Antherae oblongae introrsae basifixae biloculares, loculis longitudinaliter dehiscentibus. Ovarium inferum, incomplete 5-loculare, placentalis semiseptorum marginibus adnatis multiovulatis. Styli 5 patentes, stigmata clavata compressa integra, stigmae stigmatosa. — Crescit in monte Victoria insulae Hong-Kong.

f **leones addendne.**

- A. VEHSICOLOR Fortune. — Wlprs. Annal. I. 338. no. 1. — Paxt. & Lindl. Flow. gard. W. tab. 5. — Paxton, Magaz. of bot. XVI. p. 322. (c. ic.)

4674. **KSCALIIOBTIA** Mut.

(DC. Prodr. IV. 2. & 665. — Wlprs. Report. II. 377. ft 937. V. 837, Annal. I. 338.)

- ¹ *E. MACRANTHA Hook, a Am. — Wlprs. Report. I. 378. no. 5. — Hook. Bot. Magaz. lab. 4473. — Morr. Ann. do la soc. d'agricult. do Gand V. 371. tab. 280.

467H AWOFTUUS LabiU

{DC. Procl. IV. «.;

1 || (JLAMULOSA Laliill. — DC. 1. c. — Hook. Bot. Mag. tub. 4317.

468i/3. PIKROTIA Illume.

(Rlume, Mus. bot. Lugd. Balav. p. 179.)

Calyx liber qiiinqieparlitus, laciniis o\alibus coriaccis imbricalis, cum corolla persislenlihus. Pclaln 5, imo cahci inserta, ejusdem laciniis alterna, ureclo-coimhenlia, praelloialionc imbricala. Discus annularis carnosus deccinlobus, ovariuin cingciib. Stamina 10, disco cxlus inserta, cjusdum Jobis oppobila, longi^sime exscila, filamenla coinpresso-iilifonna, anlc antiosin inrolluxa, anlhcran oblongac, dorso affixac, hiloculares, longiludinaliler deliiscentes. Ovarium liberum, disco cinclum, globoso-pcnlagonum, quiiiquelotulaic. Ovula ju\ta jnedium dissepimenlorum ulrinque solilaria, anahopa, microp^lu deorsum specclanle. Stylus bre\is, snlcalus, sd^ma ienuiualc, discoideo-pcnlagonum. Capsula ovoidco-obloiiija quinqsulcala, scplicide quiiiquieparlibilis, locidi^ (s. carpellis) inlus Jon^iludinaliler dchiscentibus, dispormis. Semina dissepuncnloruni niarginibus nicdio afflxa, scobiformia, inversa, testa inembrancaea, ulrinque ultra nuclcum producla cl ab codem solula, basi bilida. — Arborus Suinatranac.

1. P. LUCIDV Dlumo 1 c. p. 180. no. 411 — Foliis bre\issime pctiolalis obsolete serratis, unis trnsvcrsalibus simpliibus: llorum pclicellis pctiolo longioribus. — In Sumatra.
2. P. HUTIGULATA Illiune I. c. no. 412. — Foliis lunge pctiolalis inlcgrrimis rciiculalovenosis: florum pedicellis pctiolo nullo brevioribus — Sumtra

Ordo GIV. UMBELLIFERAE j_{ms}

(DC Pindr. IV. f5. It (J67. — Wlprs. Report. II. 381. R 937. V. 838, Annal. I. 339. 11977.)

Subordo I. OMTHOSPEMMEJIE DC! l.c.59.

Tribus 1. IJYDIWCOTYLEAE DC. 1. c.

4355. HYDROCOTYLE Tourncf.

(DC. Pro.lr. IV. 59. it 667. — Wlprs. Ueprcl. II. 381. & 937. V. 838. Annal. I. 339. ft 977.)

- 1 If. {EulujdrocLylc) MJHIDA Uance, Diagn. pi. nov. Auslro. Chincns. **incilit. I. p. 2.** -: Cnuleolonpnio pmsirnto. ml no«los radironic Inliis longc pctiolatis rcniformibus, loll*

ludine longiobus, sum piofuudo, subacqualici 16 —2j-cicnalis 5-ncivii», sup cine gldbiispbutus el m petiolu subpilosus, umbellib podunculatis tcinis avillanbu* 3-flois, pedunc u<> pcliolo mullo buvioribiis subvillosi*, i^olucn loliolis 2 ova lib fiucludimidio bicviobus, fiuclibus sessilibus suboibiculalts VMO^ULIS mguldso-icliculalis subecostalis una cum llonbus lunde puipuicis.— Folioiuin pclioli 3/« poll. Umbi 1 poll lungi. Fiucclus 2 liuoas lali. — In giaminosis liumidis ins Hongkong

* II PLIHAIGUV Hanco I e — Minuta, glabcmia cmle elongalo piosli Uo, ad nodo> ladicante, fliib longc pcliolali* oibiculato-iemfoimiluis nilidis 7-nci vus 7-lobis, lobis lalis 3-denticulati:> umbelli;* peduncuJalis axillauhus suhi>olilaiisi 5—IO-llouis pedim-<UJS pcuoluni subjcquaniibujj, lloibus sissilibus pclulis nldidj* apicc camel*, liu-clubus oibicuhlii., |U\cnjlibusMiidiljjs, iinliiu* badij^, iioiicaipus UUIKIUC HLO«kati» — Ptloli si&quipollitaics 1 ulioiuui laminae i linear Lilac — In iu*ula Hongkong loets umbi is subumbiosjs.

J H WIMMA Hoelisl mss LX | Uicli Ttnl (1 \bjs,s I 31> — rcuci a Galimu \oj. in Ab)6M III 13i no 71 — (aule ramoio leptnic ^IMIU glmbio, 2— 3 uncias lon^o, folii* biLMtci ptlioldiib, ba^i bisiipuhLit, lenilouin - sulioibiculanbus 5-lobi6 glabus, bisi li>bi>, lobis sciniuibituKujljus, obtn&ib, IDNMDCCIO vix mnjoi pedunculo imrijino, aj>ce J—4-floio, ilunbub sessilibusglumciulaiib, fiuchbus suboibicualis com-jn<ssi->, meicarpis 5-iosiali>>, co^li6 aculis — In Abjssiniae nionle Selki clevaiioin 10000 pedum

4 " I'ILIFLRV Tuic/ Uulleliu de la SOUCIL imp des inluiul. de Mo&cou \XH I'ui II p 2b — Annua debilis, caule &subsnplici pcliolis peduiculisque pi/s densis palu-> vcMiii*, folns coidalo-ieniforimbu<> 5-p.iililis 5-ncivi.s fflabus, segmentislalcidlibu> ^, mediii, 3-ildi>, denubus oblusii pedunculo petioJos supcranlibus, umbt His 8 — 12- lons, flonhus pedicellatib, mentupii!> \alde compiessis, uirmque nniLO^Inlis, vallec F* inlorionbus, ics.peclu commissuac, ob mcutaipia a lattip vilde compicssa exlt- rones> nppironl, ingis innsvcisnlibus piclis, ad loslimque munculalib — Plnlla 1—5 pollicaris, lolia paiva |i| iilincalu, sinu bibio* lalo SnuLio scanosno miegino Pedicell jam in uinbellis lloicnlibub mamlo^tac, in fiuclibu<> lon^iores. Folia feic H pulunculaus R. lii. (cujus Linlum specinuna Sitbciana auctou nola), aquadonbus "i umbella inauife^tc pedicillali^, pedunculit pctiolos scmpci el saepe mullo supuaubus aique alleculb intcuoibub eleganci lu^Oib munculalisque ball6 di^lmela csse lulciui. — Habitat m No\ a Hollandia ad flumen Cjgnoium.

J ^UGULOSA Tuicz 1 cil pag 27 — Glabcuma annua pusilla foliib pcliolalib corqatp-afmcu s Instctis, lobisbi-Ac! luudib, lauiuis saopc bilidis obtu^is; umbclhs ^iditilibitb ct a\illaul>u*> 2—3-flois pedunculate llonbus pedicellulalis, niciicaipna uirmque unicosialis, \allr culia- luguloso-ftncobbi, caipopliuro peisistenle bievissimc piciui — Pianiuh 1—3-pullcais, uni- \cl mullitaulis, trecliusculn aut caulibus Inf- lalibus (accumbeniibus simpliibus Atl lamo&i* Folia scmmalia ploiumquo persisten- lu, biexisMnic petiolala o'alia oblusu stibliineivia. caulma piofundo tusecia mullin^i- via. Peduncuh pleiunique pcliolis brevioits, sinnmi inleidum subacqualos Slipulac v^tacc albac cilnlae Floies albi rnuiuum \alleculao inleidum 1—2 granulaiao II ibuu ad 11 tnpailiam accodit, caipophoio inanilslo tl posl lapsum frucluum pei- ^atenie a chaiatluc gentuco iccedii, sed cum mior species jmi descnpiQs dalui species eupopboro llssih donaia, nempe /i. leupidula Bge , nee hauc sepaiaic voluit aucioi. — Habitat (in ^ova llollandm?)

6 " MI DIC\GLNOIDLb Tuicz 1 c -- Annua pusilla, pilis palulib Iuultlla lulu^ coi- daiu-oibuulalis lulobis glabiu*. lobia uidcnlalis, pedunculo pcliolos lonje supeianli- ^J^ umbellis capiialis sub—10 llois fiuilibus sr ssilibus imbncalis meicaipiib ulun- que l^osse unijugis, >dlleculit> iugulosi& —Heibula 1—1^2 pollicius, liabitu feic Me- dicaginum, pia<6eitim f ipitulis Iuclifeis, piinio d pcclu illi Mduarjms Inj ulmac menbcnibus (diploplioiuni uullum — HabiUil in No\ i lloll uidia

7. II (*CMIPUOUILH*) MURICULATA Turcz 1. cit pag. 28. — Annuā glabrid pusilla, plerumque acnulis, folus omnibus umbellis que radicalibus, lanus caulescent caulibus 2—3 umbellilens, ad exoitum umbellai urn lateralium folufens, folus cuneatis tufldis, lacinus 3-dentalis umbellis 10—12-fions, flonbus latcialibus paucis interdum sicnlibus pedicelluib, centialibus sessilibus feililibus, fructibus subicniformibus, bisi apicque cnaigmalis, incricaiiis ulunque bicoslalis, marginibus in alam-cxpansis, valleculis mmule niuruualis — Memoi lbilis fiuclibus alalis, sectionem piopmm foimans, nam nec ad *ruhifdiucotyts*, nec ad (*cnlellas* leluri potest ob caulcm lierbjceum simulque folia cuncun Caljcis. margo obsolete* pitalaque *Ilijdrocotyla* Plantula laro polliccm excedil Munculac in \alcculis interdum breves fere granuliforraes. mterdum longiusculae scitifoimes. — Habiat in (isova Hollandia?)
8. II VLRTICILLATA Turczan 1 c — Annuā glabra lamosa, folus potiolali* cuneali* in poiolum longe oitnuatis tnsctis, scgmenlis in lobos 3—5 acuminatos dmsis, umbellis oxillaribus sessilibus muluflois, ad apiccm caulis in spicara interruptain collectis, mencaipus cjugatis v utnnque obsolete umjugi^lacvibus, doisoacutis, carpophoio persislenle biciun — Ihibit in IN ova IloKdiulia.

4358. DOIETOPIA *Dt.*

t/H Piodi IV 71 — Wlpis Ilcepil II 381 V 840, Annal I 340)

- 1 J) AMSOF AHPA Tuiczan Bulet tie la sex des natur de Moscou XXII Pait II 29 — Sci>> ciassfusculi* bit la oulc elongato, folus ndicalibus ti. caulimsimis 5-fldis, caetens 3—5-pai mis, hemns 2—3-fldit> atutis, involuēn umbella brcvions foliolis a basi laliuscula suiulati^ mncarpio altoro exiguo anguslissmio slcnli, quam feitile obsolete lugulosuin mullo lrrnoie — Caulis scinipedalis, folia glabia v scti> raris glandulosis tecta. — Habitat in ISova Ilollandia.
- Z D GHAMJIS Tuiczan I c. — Sci>> glandulifons raris lunc mdc lecta, folus lon^e pcuolaus, basi cuneatis iriscctis, scgmentis in lobos Jincares elongatos 3 — 4 parti us, lacinus acutis, involuēn foliolis lincanbus, basi in annulum connate, mncarpio aliero anguslissmio stenli, ferlili muncato mullo lninoie, — Herba 2¹A-pcdalis Petala ut in pracedente (scd ab auclore non desuibuntui ")• (juacum scctioneni pcculiaiem *Amsocarpacam* nominandam (scd ab nuclore non dehniam") foimat — In Nova Hoi-landn

4359. EMGEIVIA *Nutl*

(DC Prodr. IV. 71 — Wlprs. Reperi. II 384)

- 1 L DULUUSA ^uu — DC 1. c — Wlprs. 1 c. — Rhizoma tuberosum nec bulbosum profert' — Ton Flor of New \ork I. 203. f tab. 39

4362. TRACHIMEME *Mge.*

(DC Piodr IV 72. - Wlpis Repeit. U. 385 V 840, Annal, I 340)

- 1 TR (*Dcn&iomene*) STEPLJENSONII Tuiczan. Bulet a la soc. des natur. deMoscow XXII. Part. II 30 — Folus bi cuter peiolaiis, dense imbricatis, profunde tnpartitis. lacing lmean-lanceolaiis calloso-^cumlnatli scabris umnciMis, umbellib teiminalibus confertis iolns subbreuionbus \dlleculi& lubrcrculatis—Folia caulma profunde tnparlila,, lacinus lateialibus lanus deuiiculo auclis, juniora floubus approximata bipartiW \d biloba latioia Species in scctione *Dtndiomcnc* dislintlissima, ctiansi habilu ad , f *cmoidcm* et affines accedere ^idelui. - Habitat in INova Ilollandia

2. TR COMMUTATA Turczan. I c — Fruticosam ramis angulatis compressis folisque
 l-ieviv>simc pctiolntis linuanbus, basi attenuate calloso-acuminatis scapynusculis, uni-
 *el obsolete tnnervus. umbellis 4—5-rndiaais composjus, in ramulis soliiams et ter-
 nunalibus, involucre caduca vix superanlibus. fructibus orbiculatis, jugis tenuibus,
 AMCCULIS reticujairs — Habitat in Nova Hollandia, Swan river.
- ³ 1H EFh USA Turczan 1 c 31—Fiulicosa ramis teictiusculis folisque subsessilibus
 lincanbus, bnsi ntenuatis calloso-ncumnniis vix scabuusculis uni- vcl obscure tnnerv-
 MIS umbellis in ramulis teiminalihus et lalcralilms 3 — 5, involucra caducissima mul-
 toies superantibus, terminalihus 5—10-, laieiahbus 3—5-radiatis composais, fructibus
 oibiculatis, jugis tenuibus, vallecuis reticulatis — Habitat in Nova Hollandia
- 4 TR DEFLEXA Turczan 1 c. — Fruticosa glabra ramosa foliis in petiolo basi dilata-
 tulo deflexis lmeari-lanceolatis carnosulis acutis tinnervns aut nervis lateralibus mar-
 gim appronmalis subunincmib umbellis in ramulis lerminalibus umbellulisque 4—5-
 radiate, involucrus foluformibus calucis, mvolucclhs mmutis setaceis, mncarpus (ju-
 nionbus) lugulosis granulatisvc — Habitat in Nova Hollandia

4362A. PI-ATYSACJB *Bnge*

(Wlprs Report. V. 841)

- ¹ PL. FLEXUOSA Turczan. Bullet de la soc. des natui de Moscou XXII. Part. II. 29.
 •— Heibacra niullnaulis lamosissima caulibus angulatis. ramis et praesertim ramulis
 ^olde flexuosis, folus pauci& lineanbus, apice m lacimas angustas tnpartitis, summis
 smpliciusculis, umbella composita umbellulisque plunradiatis, involucru foliohs linen-
 bus simplicibus 1—2-dentatis tuparlitisve, mncarpus gianulosis utrinquo uuicostatis
 ^ cras, vallecuis pi ope costas utrinquo univiliatis. — Caulis et rami ud angulos aspen,
 calycis denies obsoleti — In Nova Hollandia.

4364. XA3TTHOSIA *Rdge.*(Wlprs. Repeit V. 841. — *Lucolaena* R. Br — Wlprs. Ropert. II. 385J)

- ¹ ^ (CMlanihosw) YILLOSA Turczan Bullet, de la soc des natur. de Moscou XX. Part.
 II 32 ~_ Xota pihs alns siellatis bievibus, alus simplicibus clongalis tetta loins tri-
 s eciis, scgmentib hnean-cuncatis, obsolete scnalis umbellis axillanbus pedunculalis
 s|ni|licibus bilious, involucra teliaplilja vix eicdentibus — Mcucarpia mullijuga, caly-
 cis lobi lanceolati acuti. pntala stipitata oblongo-cuneata. — Habitat in Nova Hollandia.
- ² x. (Chloiosia?) RIOMDOIDha Turczan 1 c f— Caule, minis petiolisque pilis densis
 P^hls albis vstitis, folus rhombeo-ovotis acutis, basi attenuatis, giosse et innequaliter
 dentaiis 3—5-nervns, junionbus pubescentibus, adullis feie glabns, pedunculis axilla-
 ribus plerumque elongatis, umbellis multifloris involucra suboequantibus: moncarpns
 Ciunioubus) paucijugis sepahsquo villosis — Habitat in Nova Hollands.

Tnbus U. MULJNEAE DC. 1. c. 78.

4368. BOIiAX *Connners.*

(DC Piodr IV. 78.— Wlprs Repert II 386, Annal 1.341)

- ¹ B 1TLIFERA Turczan, Bullet de la soc des natur de Mosc XXII Part II 32. — Petiolis
 Pilis longis simplicibus aut basi coadunalis stellalis> >cstis, limbo foliorum trifido,
 flutiibus glabns — Habitus el aftniias suinma *Jiulaas glebuiic* Commois, scd firu-
 ctus & folioium limbus glabri — Habiat in Andibus Quilciiibus

4370/!. TKITAE ^IUHI *Turtz* (nee 'lulucmanu.)

(TUILZ. Bullet, de 1 atad. do Mosc \AI 591 - Wlprs, Aiinal I 342,

Tribus III. SAMCULEAE Koch. — Endl. Gen pi. p. 7GG

4382. SAWI€UI«A *lomncl.*

(DC Piodi IN 84. — Wlpris Rej»oil II. 387. A. 8J5, Ann il 1 3^J)

1. 'S. CANADLiNSIS Lmn. — DC 1. c no 2 — Ton. Floi. ol New ^oik I 2b5 - tab 32
2. *S MAR\LAI\DIC\ Lmn. — DC. 1 c. no 3 — Toir. 1. c. 261 -| tab J1.

4385. ATi&Pf DE. i *Laroch.*

(DC. Piodi 1\ 87 — Wlprs Repeit II 3S8)

- 1 A IM DU.NCILAIUS Meudel ms» ev A Kieb Tom 1L Abys.6 I 320. — Caule ci c< U» ^ctqiiipcdlli, bdsi Minplici, slualo ^Iabio foln> allcinib scssilibus coidalno-nuuuilali* oblongo - Iantcolalii. ntulis, jiiifcionhiib suboblusis, inai^ine jsectoso-tjllialis, ulunquc ^iJ)ii->, capitulis |)isifounilm& longe peduculaus scilulalis, involutii monophylli ia-diaii albidu 1 lciuis campanulalo - pntulis Iantcolalii inae<ua|ibu'> inlegiis aut \p11015 pailtni SII>CI IOI cin 1—2-bClo->o-ciliali'> — In Abjssinrac inonlc Uounlul

4386. BKYHTGIIJM *Toumef*

(DC Pi oili IV. 87 a b68. — Wlpih Itepcit II 3SS. V. 8*0. Annul I. 343. a JTU.)

- 1 L. DUUI\CAMJM I. Gaj, Annales de& scicnc. nal. [3 Sci] IK pag. 155. f — llicnc' ci pcicnc: laduo fusiform i, in losnlam ancmbriim, gem mis ex collo natis adventiis, passim icnovandam, abunto, folns IOMilium steiliuni spathulalis inciso-dcmnlib cnsपालo-spino^i^, m ptuolnm Ionium inlegrunuiiuiiic b^M alicnualis. taftlo o\ losulae cxbastae OUMIS> medn* UIULO, siutle ertlo, allernc nullifolialo, apire m lamos allcinob bievis^imos pncisaimo< el nionot c>|ialos divisio folns cauluis mfc* iioubus coiueslii>, spailmlaii* intiso-dLiitalj^, muliib supcionbuM|uc laxalis, subbCS-~~alibus~~, ulumis scssilihus scnn implexicanlibus o\alis, a bast pinnaliflido-5—()-lobalis t \p11015 canlem riunilusi[uc toronaniibiib pednntulalis cjlmdi ittis, 128 — 21S-non»» j\i Iloniiu columniij ilongiilo. nnuluiio S—12-pbjllo, basMerlicillato-S—12-sjnnosO. plqllis diinidiinn cnpiluluin siipcianlibns, libcus line ni-lanccolali9 n^idissiniis pungenu-ubiiN, mfiij iietliim utiitqnc 1 — J- \tl 4-^pinoiis, ba&i line.ni nou amj)lc^anc net(Oⁿ in it Jiula palcis. 130 — 220, Jloie |iulo lon_a'ioiibns, li!iformi-lu_B'onis ngidulis, apic^o liiuiipidaiis dihcib inbu ^lobobO-ellipsisuideo, \csiculis confciiissinih lolo ledo; petaloiini Kuinuh iillev.i neutiNMUia inlo_ociinia, l>IUopodio annul in, viiits ~~stiformibus~~, oleum nelhcicnm pat cum (aj>ienlib>u< — *lymnum ihijulnim* Biol — Ciescil in non-tibu^ Lubiiaiu boitali^ d m montibus A^lunae Hi^panic
- 2 L MMPMIUM1 (,aj 1 (il pa_o' 171. i tab. 11 — lliuiillimum poicnuc lading ~~unco~~ bir\issiuo luannniM), fibiib caiullaubus pluimns cinclo, in losnlam Qpmnia prop*'' ^ iulam suisum abeuule, i aulilms mui JI clo upilulo, ex una ladnc plunbus. ~~humid~~ s?) (IKIUIOIII> lamosisMuis foliis I uliciluluis cMoiuubus piaecocionbu, ~~linea~~ - ~~lan~~ ~~ceolati~~ lopamlo-cioiuihiis. in piiuhuu Ionium uue^ciIinumque ailenuati>. ~~inuis~~ ~~subscwhbus~~ piniMiildi^ \el palm u_N ciulinis oppoMlis, omnibus ^tssilibus ~~pabato~~ } — 5-pai mis,, laLimii Imcai i-Kuitcul.uis inciso-seiatis, ullimoiini lloialium ~~aville~~ ~~amul~~ m IobUhm iuln.<iuni diinuii amplitcauldb ictonJeilibu*'. capitulis scssili-

bus paivis 5-8-flois, depresso hemisphaeiicis. rigulule involucriatis. axi nonfero VII ullo. involucio penlnplijllo, basi nudo. phyllis tnplum capilulum longis. libens ovulo lanccohtis, basi ample\ante late membianaceo-maignata et biaunculaia. lamina n]a_niubcula. 1-rauub 2-spmosa infcrnc, palois 1-4. quam phylla bievionbus angustion'uisque, hinc unispmulosis vel ulnnque incrmibus. basi coarctata. calycis tubo ellip-^oidco-globoso. sctuhsbrevibus emote umspriatis apico adque hemicarpiorum margines cincto. caeterum nudo |e| setulis domhbus lantissimis conspeiso; pctalorum lamina mflexa laic linca, apice indeniata. stjlopodio heraispliacno, vitus fllifornlibus. oleo actlierc carcnlibus — *Lujngwm punllum* Boiss. — Crescit in ulicetis Airacnia occidentalis mantimie slerihssimis

- J L. BVHRLLIhU Bois* Annales des sciences natuicelles [3. Sei] IX 175. — Humil peicenne- radicis Uunco bicvissimo pmcmorso. flbus plunm.s ciase Qlifformibus CII-cuimallato, in rosulam gcmis piopagandam sin sum abeunte. caule unico erecto vel asomdcnte. supeme d.chotome lamoso, mlia diciotomiam simpljc.ss.mo aphylo ^el nucrno paucifoliato inque lamulum unum alleciumve d.viso, rosulae foln, lanceolais vel oblongs, omnibus indmsis, m petiolum longiim inieginnumquo attenuatis. exte-^lwilbus praccociobus icp-indo-cienuldti*. luiccionbus spinuloso-scncatis. caulinis in-^tradicciotiiiiialibui subsessilibus, cacteiun confoim.bus, florahbus oppositis sessilibus ^laJmato-tupQiliu., lacrnns linean-lanceohlis mciso-serratis. capitulis subsessilibus ^lpaivis, 10-iG-flois, dtpie^o-licmi^ihaencis. a]i nonfcio m ullo. involucio penta-^vh]i'o basi nudo phjMis cipiulum u^que scvtujilum 10MMS libens lmean-lanceolalfs ^{co}'''aio-lii^onis njidissimi* pun^enlibi!,. basi amplexante laic membianacco- margin ⁿ*w ct biuiculala, lamina basi utunquc uni^inoj, i paleis 6 — 12, phjloium mdolo ^{et} loinn, sed paulo longioilbu* basiqnc angusius marginalis. omnibus praeter unam ^{al}icraime e\teiiioicm inermibus cihcis tubo tuibinato, apice adque hemicarpioium ^{lia}gines vesiculis longis uniscuatis emcio, utioque dor>o sqnamis bievibus dense ^ll/lf<culato, pctploium lamina inflevi lato lincau, apice dilataia ibidemque pcttinalo-⁵—J-dcnaia; stjlopodio hemi&phapiico, vitis lincaubus, oleo aetberco scalentibus — ^{Ln}Jn<jium punllum plauum Moutom 1 ob Slnp lust (1576), p 491 + — 7 *planum minus c Dauhm* — 7. *pumilum polyiihizon* Uair — *E loins I adicahbus oblongis w-* ^c*# caule dicholomo, flutibm >c>silibu<i |M Iopens Lmn. Hort. ChIT — *L pw>illum*

4. ^lp¹¹¹ ~ ~ ^ J¹¹¹ >>> A Delaiohc — In Hispama d Lusitania.
 • "LLDRLLIGIHI Boiss Diagnos plant oucnt nov X p 20 f — Peicenne glabeui-^m m pillule iicns collo longe denscque libullifero, folns udicalibus longe pctiola-^tis, p^{cl}olo canaliculalo, limbo paivo oibiculato bistupailto, pailitionibus uerum pro-^fndo lobais, mie di\isiones spmoso-deniatis. lacrnns lanceolatis in spmam bievcm ^{fl}a^iddin abeuntibus, foliib caulinis pctiolo bicvissimo dilatato suffultis minus mullifldis, ^{ed}uiibus ciectis simplicibus apice 1—5 capiula subunibellata hcnnspheica feicntibus.
 in*o lucn phjlls capnulo tuplo longioubus lanceolatis. dorso cannatis plunnervus pun-^{ge}ntibus iniegus |c| lauus dente uno altciovo medium veisus auctis, paleis su-^{bu}latis spinosis, caljccs paulo superantibus, calycis tubo papilloso. lacrnns a basi ob-^lo n? a nervo ciasso percuisa subulalis, coiollam paulo supeiantibus — *E Dxllardteit*
 le>di non Delar — Ciescit in monio lioudioun Pisidiae alt. 5000' et in monie Gebcl
 5. [^]Cu^{cl} Anihbani alt 7000-9000 ped
 • PALMITO Boiss. & Heldr 1. c. 21. f — Pcrenne glaberrimum pallide Mrens collo ndictis nigiac dense fibnlloso, folns i adicahbus lfenonbusque ad apicem petioli ca-^{nal}icul> i palmatum 5—7-paititis. parliiionibus grammois anguste lmeaiibus longissimis ^{plan}is paiallele multinerviis mtcgn, i^nus bine inde denliculo uno alteiove obsilis.
 cauln > Iripailitis pctiolo dilatato Aaginanti suffultis, lacrnns abbreviatis. suminis ad ca-
 Pituloum basin silis id vaginam e basi oblonga denliculala longibsimc acunnnalari
 ^ngntcm reduclis, caulo simplici folioiuin iddiciuiuu lacrnns siibrcMon ipicc 5—1
 <sup>dPilul^a subiotunda praeter supieum pedunculalunl ad vaginas supicmas subspssilia
 >sup>tana vel bina trnavefiente, involucii phylli> lanceolatis subcaunalis albo-ncivosis
 >sup>nmatls pungonlibus. ulunquc veisus basin 1—2-dcnlicuhlis, cnpiulo subduplo lon-
 >sup>ntibus, palcis lanceolaio-lincanb<<< puiffri iibus, iuno \ilido insimed^, (aljr<5

acquantibus; calycino tubo densissime albo-papilloso, laciniis oblongis, nervo medio crasso in mucronem brevem pungentem producto. — Crescit in aridis pinetorum umbrosorum in faucibus montis Anemas Lycaoniae.

- C. E. RAVENELI A. Gray. Bost. Journ. of Nat. Hist. VI. 209. adnot. — Caule simplici; foliis linearibus elongatis complicato-convolutis subtectibus nervulosis obsolete denticulatis, involucralibus Hindis capitulo nequalibus; paleis receptaculi uninervalis aquilifer 3-spinosis, calycis lobos mucronato-acuminatos superantibus. — Crescit in republica Texensi.
7. E. VIRGIMANUM Lam. Diet. IV. 759. — DC. 1. c. 95. no. 57. — A. Gray I. c. 210. adnot. — Caule simplici vel apice cymoso; foliis linearibus lanceolatis planis, inferioribus venulosis subspinuloso-serratis, dentibus uncinatis, radicalibusve fere integerrimis, superioribus spinulosis seu laciniatis, involucralibus trifidis vel 3—5-cuspidatis, capitulo fructifero subaequalibus; paleis receptaculi trinervatis tricuspidatis, cuspe medio longiore lobos calycis fructiferi acuminato-aristatos subaequantibus. — *E. lacustre Virginianum* etc. Pluk. — *E. aquaticum* (S Linn. — *E. Plukenetii* EH. Sk. — Crescit in republica Texensi.
8. E. PRAEALTUM A. Gray I. cit. 210. adnot. — Caule 4—6-pedali, superne ramoso; foliis lanceolatis planis venosis serratis, utrinque alienualis, radicalibus magnis longe petiolatis, costa valida, summis linearibus spinuloso-dentatis incisive, involucralibus capitulo 2—3-plo longioribus; paleis receptaculi trinervatis, breviter tricuspidatis lobos calycis fructiferi subulato-acuminatos vix aequantibus. — *E. aquaticum* Michx. (nec L.) — *E. Virginianum* EH. Sk. — Crescit in Carolina et Georgia.
9. E. HETEROPUYLLUM Engelm. Sisk. of the Bol. of Wisl. exped. p. 22. adn. — Glaberrimum: caule erecto; foliis radicalibus oblanceolato-linearibus aculis penninerviis serratis, serraturis cartilagineo-marginatis aristatis, foliis caulinis inferioribus serrato-pinnatifidis, superioribus palmato-partitis, segmentis linearibus incisive; foliis involucralibus 10—13 linearibus acuminatis spinoso-bidentatis, rarius integris, capitulum ovule longe superantibus; bracteis coerulis subulatis (lores superantibus, interioribus longioribus. — In Mexico boreali.

Tribus IV. AMMINEAE Koch. — DC. 1. c. 98.

4392. ZIZIA Koch.

(DC. Prodr. IV. 99.)

1. * /. CORDATA Koch. — DC. 1. c. 100. no. 2. — Torr. Flor. of New York I. 270. tab. 33. — *Thaspium cordatum* Torr. et Gr. — Wlprs. Report. II. 403. no. 1.

4400. PTYCHOTIS Koch.

(DC. Prodr. IV. 109. — Wlprs. Report. II. 392.)

1. PT. TRACHYSPERMA Boiss. Voy. bot. App. p. 731. f. — Annua glabra: caule paulo supra basin divaricato-ramoso; foliis radicalibus ambitu breviter lanceolate linearibus pinnatis, segmentis parvis, ambitu ovalis multifidis, laciniis seic abbreviatis mucronatis subpinnatis, foliis caulinis petiolo brevi anguste membranaceo insidemibus abbreviatis subpinnatis vel palmatis multifidis, laciniis setaceis elongatis umbellae involucri inaequaliter 12—15-radiatis, radiis pedicellisque rigidis; involucri phyllis linearibus lanceolato-cuspidatis, duobus spatulatis cuspidatis; fructu longo, stylis divergentibus denatis stylopodium aequantibus, mericarpiis aculeolis asperdentibus scabridis. — In Hispania prov. Granatensi.

4402. SISOST Lag

(DC. Prodr. IV 110)

- 1 S. EXALTATUM Doiss Diagnos plant, orient nov. X. p. 21 f — Bienne vd perenne glabrum caulo tereti elatissimo ramosissimo, ramis plures dichotomis tenuiter virgatis, folus petiolo dilatato suffultis, radicalibus sub anthesi eiccatis bipinnatisecus, paruiombus subsessilibus oblongo-lanceolatis, lacmus ovaus mucronatis, folus caulinis mfenonbus angustissimis pinnatisectis, segincniis setaceo - fliformibus paucis remotis abbreviate, folus supicmis ad vaginulam apice 1—3 lobos Imcaies breves ferentem leductis, umbollis teiimnalibus parvis longiusculc pedunculalis scxradiatis, radns inacquahbi0, m\olucn pcninpbjhl foliolis lincaubus acutis brcvibus; mvolu-
 cellh phylls lanceolatis dcutis minutissimis, pedicellis maequalibus, longionbus florem vix duplo supeianiibus, petalis nlbis vitta lata lubra tola longitudmo percursis emai-
 &fnatis cum lacinula inflexa, frudu (juniou) ovato a latre compicisso vittis lads ru-
 biis lotam ^allectulnm occupantibus percursio, stjllis stjlopodio conico depiessissimo
 incumbeniibus eoque aequilongis.— Ciescit mtei frutices icgionis montanae cnlidions
 K<ibni

4406. CABU1S Koch.

(DC Prodr. IV. 114. — Wlprs. Report. II 393 V qg^ Annul. I. 845)

1. ^c (*Tachypus*J FERULAEFOLIUM Bt)iss Diagnos. plant, onont no\ X. p 22. f — Radice bulbosn: folus radicalibus tnpinnatisecclis, paititiombus longe petiolulatis, lacinnis lincaubus elongntis aculiusculis. caule a basi paice et divancalim dichotome flexuoso, umbclhsS—12-iadidiis, involucellis oligophjllis, umbellae fructifeiae stellato-
~~patenus~~ pedicellh. incrassatis iructu piismatico-cylindnco subaequilatis acquilongisque,
~~mericarpib~~ lineanbus maigine pci totam longitudinm contiguus, carpophoro tenui,
~~dentibus~~ calycinis sub maigmis subunduhti fere obsoleti forma fructum lermianti-
 hUs> stylopodio cupulan depiessissimo fiuctus npicc paulo angustiou, stjllis slylopo-
 d>» aequilongis. — *C. divanatum* Koch — *Bunmm ferulaefolmm* Desf. — Crescit in
 affns Dalmaiae, insulaium 6tae*ciae et in insula Creta
- 2 ^ BRACHYCARPUM BOISS 1 c. 23. f — Radice bulbosa. folus ladicibus lri].ailitis, Pnrtilionibus pinnatjpartilis, lacmus paucis angu^te lineanbus obtusis, caule a basi Parce et divancalim dichotomo flexuoso, umbellis 6—8 -radians, involucellis olig%-
 Pnyllis, umbellac fiuctifeiae stellato-patenus pedicellis paium inciassatis fructu pns-
 mauc - cylindrico anguslionbus pauloque longionbus, carpophoro tenui, mencarpiis
 lln<-anbus mnrhme per totam longitudinem contiguus dentibus calycis sub foima calli
 circulans ad apicem fructus persilentibus; stjlopodio cupulairdepressissimo bipar-
 tll o. fiuciu anguslion, stjllis stylopodio aequilongis — Crescit in cultis regionis mon-
 laae Anatoliae occidentals, Mesagi prope Dciwond, Cadmo supra Geyra
- 3 ^c CYL^DRICUM Boiss. Hi Hohen. 1. c. 23. f — Radice bulbosa, folu* iadicalibus
 ll'Pariio-p,nnalipaititis, pdrtilionibus brevitei petiolatis, segmentis oblongis subpin-
 natl partuis, lobuhs 2—3-fldis sublineanbus abbreviatis caule humili fleuoso simpliu
 Hl parce dichotomo. umbellis 5—6-radiatis, involucelli phjllis paucib lariLtolalis an-
 guste mdigmals, umbellae iructiferae stellato - patenlis ptditlchi paium inuassatis.
 fructu clongato cylindrico - pnsmatico brevionbus angusiionbusque, carpoploio lenui,
 mericaipn8 lineanbus maigine pci totam longitudinem inter se contains, dentibus
 LllJcini!» omnino obsolelis , stylopodio conico-obtuso, lruclu anguslion sljllis encinnato-
 HCUIMS, co longionbus coronalo — Ciescit m monte Llbrus pi ope Dcibent Persiae.

4407 BUHTIUWI Aw/i

(U(Piodi IV 115 — Wlpr* Ilcpcil II 393 V. S53)

1 U CASSIUM noiss *Vn gn* plant orient no\ \. p 24 f — dhherninum iidici bulbosi ^loliosl fblns ndualibus , caulinis tiiparuui* pnrpartitionibus pinmti- |itititis hunns Imoinbus clon_b\ilis cmle temn clito juncco angiiato-strnlo, di<ho- toiuic i mioso nnn-> eicclis superno flexuosis uinbellis subicqunlilci et longe 5- rnrinlis unolutn plnlhs 2—5 linnbus acutis brtviSMims liuilicllulis ciam fiuclli- Iens | uvis conliirtis \ idiccllis involut i Hi |>h\lh lineaii - j>cticei vi\ supciinubus fiULLiu oblongo ahteie compicesso >c<|uilongis pctali^ nl>ia piofunde bilobis cil\cmis dentibus obsoletis mentirpjoiuini jugis p irum prominulib vaMctulis 2—3 - viltatis shlopodio depreccsisjjiino fcic absoli to stjllis difl(\is fiut^ dimidiam longitu- dinpm nequanlilnis — Ciet>til in rojjione montini sjhniici nionti^ Cass>i Sjmc botcatis

I || ITSTALO/ZA1 Rois* 1 c f — Glabmm iidn e bulbo»i caulibus tenuissimis ic- nuilci stridtis terclibus juiucis. dichotome et parce ramusis, coijmboso-umbellatis foli> radicalibus t uilinis jniicis in hciniis |>nucas infuste lineicis divi&is, um- IKHIS | edunculii gratilibu^ loig-iusculi^ sufullis sub.iLijinlitLr 5 —8-iadiatis, irnoJu- rn phjllis nullis \cl 1 —2 ininulisiinit ui\olucelli |>bjllib lonccohtis acutis albo- margmatis pulicdlos subnequantibus umtcllulis fruclilciib contractis pedicellis an- gulosis fruclum oblongo-lineaicm brevem subanju mlibus. mcucaipiis lineabus sub- incurvis jugis ilbidu pronwnulis, \alleculij> tiivittitis toionuh dcnlum caljcinorum subnulla, shlopodio *htoko* mamilhn comco-depresso, fiuctu subangustion *sl\|is* de- flexis co acquiJon_b\ib si^raio — Cictit in montanis Ljciae pi ope Limalu.

i U GL\(\ OCARPUM Boiss 1 c 25 f ~ Glabrum radice ovata bulbosa basi dense fibrillifcia taulc pumilo paito sublcrranca valde loituoso divaricaiim et parce lamoso; foliib radicalibus . caulinis pmnatipanuis, lacimis paucis lineabus elongatiff; unibelhi) subacquahter 6—7-radialis involucri plijllis paucis broissimis demum eva- nidis, involucelli phyllis lanceolatis albo -niarginaiu* pedicello tuplo brevionbus, um< bellao frucufrae pedicollis rigidiusculis inaoqualibus extenoiibus longlonbus frucln ovato a laterc compresso subduplo longionbut> uiencarpiis subincurvis, jugis stft< angulosis albidis pncurpio nigro glaucLscenli luguloso, valleculis tnviitatis, dcn- tibus calycinis coionulam subobsolclam foimaniibus, stylopodio bipartito brevitei et obtuse mamillacformi fiuclu dinudio angustion slylis deflexis stjlopodio duplo lon- gionbus — Habitat in Libino inter lipides circa Cedros

<<D (CONOPODIUM) BLTIMOIDrs Loisb ctRcut mss ex Doiss \oj bot. App. p. 736. t — Uadicc bulbosa subglobosa t mlibus pumilis tencns, ba^i flLxuosii* lamosis molliter jmbestcnlibus lulus, tcini^ \al>Liimms ridicilibu^ Inlcin-Uibctis, caulinis bipinnatis, sc(mtniui> ovilib in 1 JUIU i* o\atas aut oblongo-hneais obiusissimas. nervulo subraar- gma2> mucionuhtas pinniulidib, infciionbus pctiolulatis, caetens sessilibus; umbellis longiuscute pedunculate 3—4-radiate nudis, umbellulis pauciflons nudis, petals \l\bs >cl rubclljb obcoifatM cum licmula jiiilexa, mencarpus o\aiis in stylopodium atUumque divicgentem cis tnplo breviorcm aticnuatis, jugis acutis, valleculis tnvit- nus — llnbitii in Hispinn inciidionali in flosuns rupium monlis Siena de Gredos

4410 PIMPIHrCSIiIiA Linn

(DC Piodi IV ll<> — Wlprs Repert II 395 V 854, Anna! I 34b)

t P (*Tiagium*) HIRTELL\ A Ricb lent fl Abyss I J# — liicnnis caule crecto I — 3 - pedali mmoso tertii - siinto in pine infonore sacpiu>> purpuriscntc glabro

- &Imccscntc. folus pctiolatis pinnaliacitis, segment ovalibus tlongaiis, margmo mciso-sciatia. subtus palhdionbus cum pctiolo luilellis, terminal! lation, micgio aut subinlobo. fiuctibus ovoulcis subdidymis busulis. — *Tiagium hntvllum* Hochst mss — In Abjss prov Ghire*
- ^ P GRACILIS Dischoff. Delect scin boil, lheidlb. 1848 p 4 f — Glabia folus omnibus piunalis ('), foliolis mfcnorum late ovalis mciso - serralis, suponoium cuncatobovaiis 2—3-fidis mcisisque. lacuiulis laiucolalis acuininalis, umbellis laxis 5—12-ladiaiis. ladus pulicellis»quo pubesceniibus. frutubus ovalis luspidis, sꝓlopodu dnnidus disjuntlis, bicviler comcis. — In Peisiu boieali.
- 3 P. APIIFOLIA Doiss Dingnos plant orient nov Y. p 25. f — Pcrcnnis, tola sub lenlc bicMssimc cincidscenii-velulma ciulc ciasso acute slnato, ad ramoium ct folioruni inscrtioneni nodoso, inferne Aaldc folioso, supra basin corymboso - ramoso, ramis foliosis clongatis, folus caulims pctiolo piano basi dilatata sccus caulem detuncnii sulTultis bipinnaiipaililis, paiiuombus duabus infcnoiibus pctiolalis, segments oblonjim cuncatis plus imnusvc profunde 3—5-lidis, lobis ouUis acutiusculis, rancis pinnalipaililis. segments cuncalo - lincanbus, mvolucii involucellique phjllis 5 lin^anbus lomcnllis, luscc flores subacquaulibus, umbellis 10—13 - radialis, pedicellis Houfens busulis, lloic paulo longionbus, ovaius dcns»c nivco-villosis, petalis paivis albis, doiso pubciulis . . . ' — (icscil in uioiile Kaiadia Daah Assynae.
- 1 P HIITLKKNA Doiss 1. c 2li f - Pcunnis, tola sub lenlc parcissime pilis brevibus adpitssis pubcrula tel glabioscons caule cloto creclo strialo, jum ima^basi diUioionio ramoso ad dichotomic nodoso. lanus creclis olongatis, folus infcnonbus pctiolo basi ui vagin im amploxicaulcia nervosam dil.itato suffTuliis pinnatisoetis 3 — 4-jugi!>, se^menlis pracler leiininalc sc&silibus ovalis, basi obliqms circuincirca crenato-<lenlalis, folus supcuoubus vagina basi suOTulus pmnalifcciiis, scginenlis angustatis •n laiimas oblongas \cl linoares piolunde flssis, folus summis in lacimas paucas auKusic lineares dmsis, umbellis ad apiccm dichotomiaium tenuiter 12 — 13 - radialis, ftuciilfiis paluhs nec contractis pedicellisque luitulis, involucns involucollisquo nullis ptlalis albis dorso lurtelli* parvis viv ladiantibus, ad terliam parlem bilobis cum lacuna inflexa, fruclu lutescenti pilis albis bicvibus paiulis lursuto ovalo, a lalcre compitssu, npicc sub sijlopotljo nllnnialo, st)lopodus duobus a basi distincliscomcis incie ii pioi uui iipite Litiuiibus in sijlos us paulo longiores aitenuaiis, incncarpus '•tit comings ui all subincuiuis biMliatis, jugis ohsolclis, valcculis icnuujiuie 3—4-villatis — /'. puegiina Kolschy. — Licscit in monlc Libius Peisiac borcahs propc **Deibent.**
- ^ P TUIUVDIATV Uoiis. [c 41 [— PULMIH^ folio omnibus laditalibus ad**prosse puberulis** liumi txpansis, puiolo uo^ido palulo basi \ajmanti suflullis pinniim 2—3-Jugis, scginenlis conactis ovalis oblique cuntatis argute cinalis, lateialibus sessilibus indiMsis, trrninali pctiolulalo magis minusvc piofundu tnsecto, caulibus praclci v »o»us pciioKm «, inlcnoiois folium minimum in lu inias lincan - cunealas tnlldos pin»tUiscitluin fcitntcs nudis, inferne pubciulis, tactcrum glabns, leroiibus, jam a basi r^gide u dicboiomc lamosissimis. ramis subdivanccis ngidis. umbellis lerminalibus b»«Mb luradialis, umbelluhs 6—10-nous, pedictllis imbescenlibus, citciionbus norcm ^i\ acquanlibus. potalis albis dorso pubcrulis eraaiginato-bilobia cum latinula inflexa. *ructu Qunion) o^dto brevier tomenloso, sljlopodio depresso subbilobo stjllisquo divirititi8 longis supnalo — Crescit ID lapid^osis Libani in Coolesjna mlei Aineic ct >eii cl Acbmai
- b /t ADscLMiCNS Dalzell in Hook. Kew gird misc. If. 261. f — Laulibus diffusis "iscncdciitibus loins rndicalibus scnupcdalibus pinnali^ecllis, foliolis b-jugis rotundalobovatis, basi tiuntalis vel cuncati^giosso ct inacqualilci cruaiao-scnatls, folus cauhuis paucib 1—2-juo^is, supitmis pumatisLCiis — Iinuluciuin S-plijUum, involucella 3-phylla uiulateraliala — Ilabilal in India oiicnlali in Couiauo

441J &UJM Koch

OJL Piodi IV 121 LC\1 sect 2] — Wlpr*. Repeit II 396.)

- 1 S (III LOSCIADIUM Hochst ms*) SIML>SC Gay mss ex A Rich. Tent fl Abjss. I 324. — Caule erecto apice tanioso tereti sesquipedali, folns pnnatjfldis, loliobs oppo- site ovalibus acuiis inciso-dentalis gibus umbella nuda 10—11-ladiata, imolucii foliolis 2—3 lincinbub, jnvolucellorum foholis lineaiibus pcdunculos acquaniibus, pctahs obovalibus cmargmatis cum lacinula reflexa fructibus globoso-didjmis, men- carpus ol)solcte 5-costais sulnerrucosis (an siccatione cl in uws exlerne subcamo- sis?) — In Abjssiniac monte Bomhit
- 2 S (CONIIM Hochst. mss) VERRUCOSUM A Rich 1 c. — Caulo bipedalj teiet. stnato glabro. folns pinnatiscciiis, parltionibus opposilis inciso-pinnalifldis, lobuhs incibO- senatis ^labrii, umbilli* tcimmalibus, flonbus dllu*, involucii foliolis 2—4 lincanbus inacqualibus, involucellis completis, foliolis 5 — b, lanccolalis acutissimis, maigine mcbianaceis constntibus, fnutu loboso duhmo, mlcncsc uolaceo, mcncapiib 5- cosiatls gianulosi*, taste UHULO*12> — In Abjssiniac pio\ Cluré.

4414. BUPEiEURUJVE *Toiunef.*

{DC hodi IV. 127 — Wlps Repeit II 396 a 937. V. 859. Annal. I. 347)

- 1 D. PILClirLLUM Boiss ft Heidi. Diagn plant oncnt nov X p. 27 f — Annum caule crecio ^racili angulalo-slnato a basi rmoso, folus> lincanbus 5-ncmis, inar- gme angubte niLmbianaccis acuiis, inllmis basi altcnualis, supci jonbus bisi non lation caulem cin_a(iilibus lamis ttnuibus cictlis pluncs dichotomic, umbellis terminalibus nieguJtii JJUS, inacqualiler ti II ndi iis mvolucn (>In His oblongo-linoaubus ncummatis siiljtincnu>> in\old(rlli lloic subsesquilongIONS phjlli* quin<{ie ovalis mucionatis qiunqncnoiMis hyalinis, net vis omnibus ramulosis, apico anastomosanlibus — Crescit in lupesiiilms Pamphjliac piojtc kouinnlu /
- Z U SUHLM I OIUM Hoiss fk IeKli I c 28 -J — Annum ,l tliiiiunum caule stnato tLitu a b tsi nugulaulci dicbotoino i iiuo-iissiino infi icto -flexuoso, limis tenuissimis pluiios tt'ditholome ramulosis llexuo^is lamulis cipillanbub fle\uoso-rccui\is foliosis pauutilam eiru^issimam formanlibui folns lineaiibus quinquencmis, maigine sub lente obsolete denuculalo-scabiidis, apice SCUHU acuminaii-, infeioiibib basi atlcnualis, lamuloium minimis lmcn-bubulatii ranulo adpie^is, umbellis ad umbellulas solna- ii\is minutisbimab 1 — 3-floias ramulos tciminantes, radio capillan suurulta«> reductu., uivoliiedli phjllis 3 — 4 telaceis aculi-s, lloics paulo superantibus pclahs pallule lu- icis, peditelli6 OWIIO oblongo acute jugato dinudio bicMOiibus — Crescit in Tamo Pamphjlicu mti Mai la ct Adah)
- 3 li DICUOTOMIM Boiss 1 c f — Annum caule pumilo tenui a basi dichotoine ia- niosissimo, lamis lenuissimis ngidulis, folns radicalibus lineaiibus brevibus, caulinis basi nequali caulem cingnubus, margme subrevolutis, omnibus ngidulis pallule vnen- tibur> icutis 6—7-ncrviis, umbellae radns terms capillanbus subacquiibus, involucii pbUJis toims setaccis bre\ibus, involucelh pbUis 3—4-nu> oblongo-lanceolate acutis. /lore fiucluque brevioubus flonbus lutcis, fructu Imcaii lae\i icute jugato, pedicello duplo longion \allcculis ciliali^ — Crescit in regione montana jugi CasMi Sjuac
- 4 U KOrsci\AMJM Boiss 1 c 29 f — Putnne glabeinum ln<i suffruticosum mul- ticaule glaucum coulibus vngali* oicctii ldnosi^imib subangulatis, foln* opdcs glau- cis ngidis huccohto-lincanbus quinquencviii, LIM allcnuaiis, sublus subcumalis tcutis, supenoibus bicMbbimis Inicati- set iccis umbellis lateiilihus f I teiniiaalibus m u qu diti 3 — 4 r d i u s, uivt /m 11 jnvolurelliqui |Ji>lli^ iiiiinulis^iiiiis lanceolatis

icutjs, flonbus luicis. podicollis* liucufens paicnubus fliformibus . ., fmcu pusma-
lico saepe submcurvo sesquilongionbus, jngis fliformibus vix prominuli*, vollculis
anguste tuvittaiis — Crescit in regione mfciori Inoniium Elbrus etDemawend Pcisiac
borealis

4415 HETEROMOBPMA Cham, y Schlcht.

(DC Prodi IV 134 — Wlpr* Report II 398)

1 // ABYSMMA Hochst mss ex A Rich Tenl (1 Abjss I 325 — Glabra caule lig-
noso ramoso, lamis terclibus folns peoulntis, imissima basi nmplicaulibus, saepius
pinnaiisectis, segmenlis seii foliolis 5—3—2 iinssime singulis, lanceolalis aculissi-
niis, Insi sensjni angustitis, lincnii-incnssilis miume subintegns aut u\ sinuatis,
sublms tenui>sime reticuliljs, umbellis teinunalibus nulliadiialis, involucri polyphylli
foliolis micqualibus integiis nnoluccllorum foliolis bicvitsimis integns distinctis.
fiuciibus (immatuiis) oblongs, apico 5-dcnlalis glabus bl\opodio biparlito basi ciasso
^oionatis obtomcib *5-**ilili**^ . ahs obsoltlib, mciicaipus dissimilibus, alteio 3-alato,
Uoio bialato — **Habitat** in Abjssinae prov Tigic

Tubus V SESELINEAE Koch — DC. 1. c. 135.

4423A. DAUCOSMA Engelm. y Gtanj.

(Cngelm. 8. Gray, Bost jouin of nat. hist VI 210)

faç cis dentes 5 subulati persislcnlcs. Pclala obovata emaimala,
CUL> i lacinula apicc emarpmato-biloba inQexa. Stylopodium conicum pei-
Sli> tens, styhs clongatis reflexis. Fiuctus ovoideus, ala angustissima crassa
Cln> ctusi mencaipia jugis 5 ciassis obtusis (in fiuctu juniore subdiph-
cibus aut doiso exaialis). ValJeculae uniMttatae, commissura plana
bl^UaLa, vitlis lahs lccllis Semen semileres. Carpophoium biparlitum
^Utrba annua plabia, odoie foile Dauci (unde nomen)- caulibus 2—3-
Pedalibus lamobib slnatis farctis, foJns tcrnati—quinatisectis, segmentis
lri> Parlifjs, lobis Jacjnialis ACUOSIS JanceoJatis seu foliorum supremorum
lln> can-sclatcis, involucri et imollucelh phjllis plunmis 3—5-paitilis
stlacus, ladios urabellae et umbellulaurm plunmos subaequantibu^,
"oiijju^ aJJ)ls# — c c n u s diffeil a proximo *Cynosciadw* pelahs inflexis, ab
whusa calycç cfuunquedentato, ab *Ouianthc* carpophoro distincto.

#1) PACIMATUM tngclm a Giay 1 c 211 — Ciescit in Amenta j>eptcntnonah

4426 KUSTDJnAWariA Scop.

(DC. Prodi IV 143)

1 K (9) SYRIACARoiss Diagn plant oicnt nov X pp 30 f - Percnms glaboima
Pallid RIACARoiss Diagn plant lb petiolo basi in squamam ovaiam
ide vironis folllfc lcnclst ia d,calibu« numeioais petiolo basi in squamam ovaiam
silll> ungo«om dilinio suffulns. imbitu inongularibu* subicrnato-bipmatiseciis, scg-
lno> niis scssilibus ovntis, basi saepo cuneatis cjicum cuca cibre et obulse scnatis
•ndius,-, vpi jupguhmu 2- vcl 3-fldis, paitiisvo, summo saepius **tiipiitito**, caule
c>ttio «JtMal0 a j>dsi mmosissimo subflexuoso. ramis ramulisque pitulis, folns caulims
lnt> uioribus bieviter peiiolatis minus divisus, scgmenlis anguslioubus cuneilis acutis
tcut< ius senaiis, supciionbus ad vagimm ob'ongo-lincnicm, apitc in lacunas paucas
in>usto lineircs canaliculalas multifidam reductis, umbellis Mubiinoqualiter 15—25-
ul>ialis bicmer podiiuuloli- in\olucn plijMiN ^nnis umbdh nipro **bi c v i o i a u**

(XHEUJFERAE.

4113 SICUM Koch.

Wipra Report. II

SICUM Koch. SIMLASE Gay man. ex A. Blak.
 ... erecti sesquipedali; foliis planis
 ... glabris umbella radiis 10-12
 ... foliis linearibus pedunculatis
 ... in la redosa, fructibus globosis
 ... an necatione et in vobis
 ...
 ... WMMIMMMI Hch.lt. - Causa h
 ... nibus oppositis inciso-pinnatis
 ... fructibus albis, involucris
 ... Schults 5-B, lanceolatis
 ... base dilato, luteo villosis
 ... in Abyssinia prov. Gaba

DUPLEURUM Tournef.

Wipra Report. II. 306. & 307. 7. 600, 601

DUPLEURUM Tournef. *Thymus* plant. orient. nov. I. p. 22.
 ... foliis basi attenuatis, superioribus
 ... foliis dichotomis; umbellis
 ... foliis oblongo-linearibus
 ... phyllis quinque costis
 ... quae anastomosantur
 ... rillu/d-
 ...
 ... - binuum glaberrimum;
 ... affacto-flexuoso; ramis
 ... ramulis capillaribus densis
 ... foliis linearibus quinquecostis
 ... acuminatis, inferioribus
 ... ramulis adpressis, umbellis ad
 ... ramulis terminantes, radio capillari
 ... flores paulo superantibus; pediculis
 ... jugato dimidiato

Mulla et Adaha

UMBELLIFERAE.

701

•icutis; flonbus luteis; podicollis ii-uciifria paicniibus niiformibua . . . ; ftuciu pri
lico saepo subincurvo sesquilongioribus; jugis fliformibua vix prominuiis. vóUocuul
anguste Uivittaiis. — Crescil in regione inferior! inoaiium Ulbrua ot Doinanouil Tersiac
borcalis.

4415. HETEBOMOBPUA Cham. *tf Schlcht.*

(DC. Prodr. IV. 134. — Wlprs. Rept. II. 398.)

1. II. ABYSSINICA Hochst. mss. ex A. Rich. Tent. ft. Ábyss. I. 325. — Glabra: caule I¹
noso raraoso; ramis icriibus; foliis peliolatis, imissima basi amplexicaulibus
pinnatisectis, segmenlis seu foliolis 5—3—2 rarissime singulis, lanceolatis
mis, basi sensim nngustatis, lineari-incrassatis, margine subintegrís am'vix
sublns tenuissime reticulnlis. umbellis terniinalibus nmltiradiatis; involucri
foliolis inaequalibus integris; imolucellorum foliolis brevissimis iitogris, clisincti
fructibus (immaturis) oblongis, apice 5-deniis glabris. sijlopodio bipartito basi crass
coronatis obconicis 5-almis, alis obsolclis, incricarpiis dissimilibus, altero 3-
altero bialato. — Habitat in Abyssiniae prov. Tigré.

Tiibus V.

SESELI[^] *NE Koed.*

4423A. DAUCO

(Engelm. ft C^{rrily})

Calycis *H entes 5* sub...; petiolo
cum lacinula apice em...; pedicellis
sistens, slyjjs elong...; involucri
cinctus...; pedicellis fructiferis contractis
Cibus aul dors...; stylopodio patellari crenulato stylisque
wittata. vitt...; "bus'jalidis prope Bournarbachi prov. Ka-
Herba an...
pedalibus.ram...
tripartitis, lo...
; tñeari - seta...
setaceis, A...
floribus ai...
Aethusa caly...
*.*D. L ACINI ATID...
...; petiolo
...; pedicellis
...; involucri
...; pedicellis fructiferis contractis
...; stylopodio patellari crenulato stylisque
...; "bus'jalidis prope Bournarbachi prov. Ka-
...
...; pedicellis
...; involucri
...; pedicellis fructiferis contractis
...; stylopodio patellari crenulato stylisque
...; "bus'jalidis prope Bournarbachi prov. Ka-

VII. ANGELICAE

4457. ARUANGELICA

(DC. Prodr. IV. 169. - Wlprs. Hope.. "• 4U7. V. «O.)

*A. IIRSUTA *Tm.* & Gr. - Wlprs. 1 c. II. 407. no. 3 — Torr. Flop, of New York
I. 277. f i. 36.

involucelli triangularibus acutis bicvijssunis, pedicellis flon bubaequilongis, petalis* lla-
 >o - viridibus; fructu ... * — Ciccit in Gssuns rupium calcareoium pone uibeni
 Antjochiam sitorum

4430. SESKUM Linn

(DC Pioih. IV 144. — Wlprs Recept II 401 Cc 938 V 864, Annal I 348)

1. S. (*Iltpomm alto oulci*) CORYMBOSUM Boiss. tt Ilelir Diagnos plant orient nov |
 pig 29 i — Bienne vel perctine glaucum, tolum bicvis^ime lomentellum folus Lripm-
 naliscclis, lacinus lincanbus acutis, iadicalibus pcliolo piano suffullis, ambilu clon^alo-
 oblongis, caulims c vagmi brevi ovato-oblonga subinflia znultinervi pmmalim \cl bi-
 pmnaiiscctis, lacinus abbiiviiiis, caule slualo simplici, umbellain nmplam cenlialem
 Mibsessilem mulliradialam htcialesque longe pedunculatas coijmbosas edenti, m-
 volucris nullis vel oligopbjllis. umbellulis liPim&pbaericis densus. imolucelli pbylli&
 oblongo - lancoolalis albo-marginalis, unibtlula bicvioubus, basi in discum expansum
 concrete, fructibus pnsmalicia bicutor lomentellis — S r/ummi/enmi PI Anat cxs
 non Sm — Crescii in nNuns lupium legionib pimfcia nionlis Ancmas Ljcaoniac
 supia Tourtbalai alt 4000 ped
2. S. RADICOSUM Boiss Oc Hobcn I c 30 f- Percnnc: rbizomalc ciasso hgnoso ab-
 bieviato lamoso, caulibus duns vn^tli^ ciccis cl itis subtiluci smaiis trectibus remote
 foliosis simpliciusculis, folus radicalibu^ pcliolo longo, basi plamusculo, superne sub-
 canaliculalo sulTultis pmmaliscclis 1-, lanus 2-jugis, segmenlis sc'S>ilibus coriacei^ ruti-
 di^ pallide Mrenlibus ovalis, basi bicviier cuntatJb. piofunde tupartitis, paititiombus
 acute 2—3-lobis, segmenio tciminnli pctiolalo, basi truncalo, lohoium cauhoiuin
 sessilium parliliombus mdivi^is, folus summis ad foliolium 2—3- partitum icduHis.
 caulo praetci umbellam tenmmalom supenic ramos breMssimos 1—3 umbellaios edenti,
 umbellis lateralibus 5—6-iadialis, ternnnali 8—14-radiala, radus omnibus sub lento
 brevissiiTie et paice tomentellj^, in\olucn pbyllit* 5—8-hncau-lanccolalis bicvibus,
 mvoluedli lincanbus pedicellos subacquinlibus, petals inimmis tomentellib albulis,
 apice jffiflexis, dorso subcanaliculntij>, fruclu pedu olio acqailonjo ovalo n lateie sub',
 compiesso (omentello, jugis VIX disinclis, valleculis laic uniMllatis, commissuia bi-
 villata, denlibus calycims tngul uibus innuinis, shlupodio breviter conico, apice bi-
 lobo, in stjlos defleros co duplo longioies abcuti. — GrbcCit in lupibus ad calaractas
 ber Abi Sther dictas prope Passgala in Petsta.

4438. THASPIMUM lutt (ncc Thapsium.)

(DC Piodi. IV 153 — Wlpis Ilcpul II 403)

- 1 TH > MOMAMJM A. Giay, Plant. Fendler 57 no 27b — Glabeniniuiii taulo eiteW
 giardi c ladice fusifonni riassa, folus bitcinaliscclis, foliolis ruucilornnbus Infidis,
 lobis oblonpis. lanccolaLis(e mine Imcaibus» intcgns \tl nnjunbus incisis, petiol'
 loive spalliacco-dihlalib, jmolucio nullo, mvolucello e foliolib cue 9 setaccis inaf'
 qu*)libu> ptdiceJloi atquaniibua. — Creicil m iSova Mexico.
- t *TH LORDVTUM Toir. a Oi — Wlpis I i no. 1 > Th puipuieum ^uu — Ton
 Flui of ^c\ \ork I. 2'U f t. 34

4442/2. CAIJOSCIAMUJNI I mil.

- (Ludl Gen. plant Suppl IV. p 7. — Amsolome Hook, fil Antaitl voy. of Tcuoi a^{bd}
 Licb I 16 t S. 9. 10 B — Wlpis. Report V. 868 [uec Tiul net Liitemol])
- J *(' LARIFOLIUM Endl mss — imsolome latifoha Hook fil — Wlpn., Recept ' c
 b69. no 1
 - 2 *C ANTIPOUUM Lndl ms*. — Amsolome antipotla Hook hi — NMpis. Recept ' cl
 no 1

4445. *ittEUML Tournef.*

(DC. Prodr. IV. 162.)

¹ M. NEVADENSE Uoiss. Voy. bot. App. p. 73*. f — Perenne glaberrimum: rhizomate fibris. dense stipato; foliis omnibus radicalibus ambitu lanceolatis bipinnatisectis, petiolo brevissimo recurvo insiricibus, horizontaliter patentibus, divisionibus primariis inter se cinctis, infimis basi folii valde approximatis petiolatis, pinnulis pinnatifido-multifidis, laciniis subverticillatis capillaribus aculis* caulibus simplicibus aut prope basin (lexuosam ramoso-divaricatis, sacpo subhorizontaliter deflexis; umbellis inaequaliter 5—9-radiatis; involucri monophyllo lineari integro aut rarius opice tridentato; pedicellis radii muc pruinoso-scabris; fructu ovato pedicello ei aequali suffulto; stylis deflexis stipodii longiudine, mericarpis acute 5-costatis. — In Hispania meridionali in herididis rogonis nivalis.

4448. *COHTIOSEIIBTIJIHE Fisch.*

(DC. Prodr. IV. 163. — Wiprs. Report II. 405. V. 870.)

* " C. CANADENSE Torr. & Gr. — Wiprs. Report. II. 405. no. 3. — Torr. Flor. of New York I. 275. f t. 35.

4449A. *CYSSOPETA IUME Turcz.*

(Turcz. in Bulletin de la soc. imp. des nat. de Moscou XXII. Part. II. p. 25.)

Calycis margo quinquedentatus. Pelala cuneato-obovata, in lacina acuminata inflexa, ad basin sensim angustata. Fructu scitjone Jjansvcisali lereiusculus. Mericarpia suberosa 5-juga. jugis fribus ^tutis, lateralibus multo latioribus in marginem abeuntibus, matura Propter epicarpium facile secedens nucleata. Vittae epicarpio • im- P° sitae, 5 dorsales valleculis oppositae, 2 commissurales. Carpophorum vultum. Semen ad commissuram in angulum elevatum, dorso convexiusculum. — Herba forte annua ramosa glabra, circiter sesquipedalis: caule sulcato; radice fusiformi stippea; vaginis cauli adpressis, inferioribus saepe aphyllis vel phyllodia linearia emittentibus; foliis 2- aut 3-pinnatisectis segmentis rhombicis incis. involucri universali nullo. partiali P^{ol} P^h foliolis setaceis; floribus albis; fructibus glabris pap. ac. v. If — Genus jugis suberosis corticatis ad *Pachypleureas* nonnullas wccat fructu minore tereti ad *Seselineas* vergit, carpophori defectu u«ene. Habitus fere *Conioselini*.

¹, *c. JAVANICUM Turcz. 1. c. p. 26. - Java.

Tribus VII. *ANGELICEAE* Koch. — DC. 1. c. 164.4457. *ABCHAXGELICA Ilffm,*

(DC. Prodr. IV. 169. — Wiprs. Repert. II. 407. V. 875.)

¹, * A. IIIUSUTA Toffr. ft Gr. — Wiprs. I. c. II. 407. no. 3 — Torr. Flor. of New York v. 27? t t. 36.

Tnbus VIII. PEUCEDANEAE DC 1. c. 170.

4457A CRETFOSCIADIOI Dons, y Held.

(Boiss. Diagn plant, orient nov X p 30;

Uljus dentes obsoleti. Petala aequaha alba oblonga, dorso rufescenti-vittata, apice emarginata cum lacinula inilcxa obtusa canaliculala. lruclus dlipticus a dorso subcompressus Stylopodium bicviter conicum apice fiuclus angustius bipaititum in stylos dtllexos attcnuatum. Pencarpium lcnuissimum Mencarpia dorso subconvc\,a, latue lnlenon plana, JULIS quinque acqidistailibus spongiosis obtusis, lalerahbus marginantiJjus ciassionbus, valccuhs 3—4-vi(talis, commissura 6—8-viltata, Millis magnis. Caipophoiium filiforme ad basin tnpaililum (>). Albumen anlice planum — Ilciba Analolica alpina habilu *Ileraclei pumih.* — Geniib inter *Sesehneas* et *Peucedaneas* subdubium, ftuctus junioies tcretcs sunt, matun autem a doiso potius compressi videntui. *Peucedaneis* quoque mehuc ob iuctum mullivitalum ju" lateiaha paulo cras-siora adnumeiandum est

- 1 CR SIFOLIUM Boiss OcIldr. 1 c 31 f — Glabrum pcienne radice subfu&iformi simplici, caulibus ascendcnlibus angulato .sulcatis, infernc loliObib paiccque ramosis, foliib inferioribus pctiolo piano bic\i, basi in vagmam incmbranaceam amplexicaulem dilatno bulfulUb pinnaiiscilis 1—2-jugi^, segmentis scssilibus vcl poliolulalib oblongis cuiuiis, supernc acute cincto-dentati^, supcuon sacpe tuddo, folus dithotomniuin ad vagmam angustam hneaicm acummatam ruluclis, umbellib pautis icimnabilua longe pedunculalis inacqualibus cvimolucratis qumqucradialis, fruclificiib conira-cu&, inxolutelli phyllis 1—2 pedicellos iniqualeb subatquinlibus liuclu ptdiLcllum ciccium slueluni acquanti, stjlis dc\lexis sljlopodio longionbus — Ciescmn licrbidifl^ luinndis ad scatuugines monlis Ancmas Ljcaoniae alt 5000—6000 ped.

4458. OPOPOHTAX Koch.

(DC Prodr. IV. 170. — Wlprs Repeit. V 873)

1. 0 PLRSICUM Boiss & Ildr Diagn plant oucnt nov X p 36 f — Folus ladica-hbu^bipinmtiscctis, sc^menlis OMO-oblongi6 anguste albo-maignatis acute ciculatis allcrms vcl oppo^itis, basi obliquis scssilibus, ldtcie exlcioii dccmienlibus glabris. peliolis pciioluli^que pilis papillanbus apice stelhtis obsitis, cauhnis id vaginas bre-\cs, apice 2—4 foliola oblongi acule dennia basi altcnuata fuentcs leduciis, caul* clato slmlo ramoso rnnns longissimis, pclalis auranuacis, unolucelli phjllis lanceo-latis acutis albo -membianaccis, shlopodio depresso frucliu laiyou, margino crenuloto. siylis rectis eo dimidio breMonbus supcrato, fructu . * — Crescit in monte Elbrus piope pagum Passgala m Persia

4458A. FERCE.AGO Koch.

(Wlpris Report II 407 a 938. \ 874. Annal I 351. — *Iaulae* sect. 1 DC. Piodr. 171.)

- J F. BR\LIH\LODA Bois,s a llcut mss ex lioi^s Voj bot App p^ 733 -f — Glabra cault anguhto-stnato eiccio, su\>cinc sub\ciicillaum lamo^o-Lo\jjinboso folus r\rd!^ caib us pcliolu bicvi itcuno suirultis lioiizonnlibus, untlilu o\ito tinn^uhnbus suprd^ .

decompositis, lacinnis ad costas primanas decussatis crassiusculis canaliculatis oblongis aut breviter linearibus, folus caulinis ad vaginas lanceolatas reductis, umbellis parvis 7—9-radialis, involucri phyllis 6—9 reflexis brevissimis ovato-oblongis aculis, fructibus ovatis pennis pedicello ei subaequilongis suffulcatis stylis horizontalibus stylopodio piano brevibus menciis pedunculatis jugis tibus inlenonibus filiformibus elevatis, lateralibus ulnque in alam semper angustioribus, valleculis Invittatis commissura 14—16-vittata, viltis flexuosis — In Hispania meridionali in collibus Cordubensibus

² F GENIGULATA Guss — Doiss Diagn plant orient nov X p 36 f — Glaberrima folus radicalibus amplissimis circumscriptione inangulibus supradecompositis, lacinus decussatis plants acutis longe mucronulalis foliis caulinis superioribus ad vaginas reductis, caule tereti ad ramificationes ovato-inflato, involucri involucre phyllis ovato-hincolatis brevibus. pedicellis pallide flavis pedunculatis fructifens non menciis credo-patulis, fructu oblongo-elliptico paulo brevibus stylis divergenibus, stylopodio cupulan paulo longioribus, jugis omnibus coiticosis alaiis fungosis, tibus mtenonibus acutis inter se approximatis, ezlenoribus in margine coilocosum jugisintononibus subduplo latiore abeunlibus — Crescit in Sicilia et Italia meridionali.

³ F. NODOSA Boiss 1 G 37 — *T. geniculata* Doiss non Guss — (Repert V. 877 no. 11) — *Peucedanum nodosum* L — *P. Creticum* Linn — DC Prodr IV. 182 no 32, — Baulm Hist III pag 58 Ic Verosimillime hue special quoque *flammato-caulis Crelexca* Tausch in Flor 1834 I pag 347, quamvis in descriptione valleculae 1-vittatae commissuraque bivittata erronee dicantur — Crescit in Attica, ad radices Olympi Thessalicae in Creta

⁴ P. PAUCIRADIATA Doiss & Heldr 1 c f — Glaberrima glaucescens • caule tereti laevi elato, paulo supra basin subdichotomo ramosissimo, ad dichotomias praesertim inferiores subincrassato, folus radicalibus ambitu ovatis supradecompositis. petiolo Patulo costisque longe denudatis divaricatis, lacinnis subdecussatis oblongo-linearibus Planis rigidulis mucronulalis paucis confertis, caulinis primis in Qma ad viginam linearem reductis umbellis longe pedunculatis 3-5-radiatis, involucri involucre phyllis oblongis acuminatis brevissimis, pedicellis fructifens contractis, non incrassatis fructu (junio) ovato ecostato, stylopodio paucis crenulato slyhsque longis rectis superato — Crescit in rupibus calidis prope Bournarbachi prov. Kafaman in Lycaonia

⁹ F SYRIACA Boiss 1 c 38 f — Glabra caule elato tereti duro tenuissime strato recto nudo, interne simplici, superne corimboso-paniculato, folus omnibus radicalibus palmatis tripinnatisectis, ambitu oblongis petiolo superne piano suffulus, lacinnis hinc minus vel oblongo-linearibus mucronulalis, subtus margine subrevolutis, nervo elato Percursis rigidulis, sub lente facie superne eximie punctulatis et margine versus scabrido-denticulatis. caulis ad vaginam brevissimam triangularem-herbaceam reductis, umbellis 9-11-radiatis, phyllis involucri circa 5 triangularibus acuminatis brevissimis angustissime albo-marginalibus. involucri lanceolatis acuminatis. pedicellis erectis non incrassatis. fructu ovato duplo ^{W⁰ TM¹ A f Jj¹ TM*} patellari margine lobulato stylis ^{He¹ s} eo longioribus superato. jugis lateralibus in margine album a.atum crassiusculum. valleculis sublatiore ^{T¹ A¹ T¹ T¹ T¹ T¹} tribus corucosw obusis angustioribus. villis utnque copiosissimis - Crescit in fls suris romm montium pone Antiochiam sitorum. prope Suadia ad ostium Orontis et

ⁿ Antilibano inter Damascus et Berythum

^{6*} P CASSIA Boiss 1 c 38 f. - Caule nudo lenuiter sinato, superne ramoso-^{co}ymboso, folus radicalibus ambitu ovato-oblongis tripinnatisectis petiolo superne ^{P¹ no} suffulus, laciniis linearibus brevissimis mucronulalis subveitucillatis secus ^{co}stas term ordinis confertis. folus caulinis ad ^{*ag}nam cucullatam lanceolatam reductis umbellis 5—7-radiatis involucri involucre phyllis 5—b triangularibus lanceolatis brevissimis pedicellis fructifens subincrassatis fructui obaequilongis, stylopodio paucis depresso stylis eo longioribus superato, jugis lateralibus in margine **H.**

planum valleculis subaequilatum abeuntibus, inferioribus filiformibus subulatis, valleculis utrinque copiosissimis. — Crescit in umbrosis ad radices montis Cassii in laice meridional! Laodiceam versus.

7. *F. FRIGIDA* Boiss. 1. c. 39. f — Caule erecto subangulato striato asperulo, superne ramos paucos valde elongatos rectos apice 1—3 umbellas gerentes cerni; foliis radicalibus ambulo ovalis supradecompositis, petiolis costisque asperulis medulla farctis. laciniis ulliini ordinis brevissime papillari - puberulis rigidis crassiusculis sulcalis in lobis brevissimos morillares mucronulallos confertissimos inter se contiguos fissis; foliis caulium superioribus ad petiolum basi vaginalem rigidum pinnatim 3- vel paucidentatum reductis; involucri involucellique pbyllis 5—6 triangulari - lanceolatis acuminatis albo-marginatis; pedicellis radiisque tomentosis; petalis luteis tomentosis; fructu ? -7 *F. trachycarpa* & *Libanutica* Boiss. — Crescit in regionibus summis Libani et montis Gebel el Scheick (Hermon) Antilibani alt. 8000—9000 ped.

4458/2? *STEGATAE XIA* Hochst.

(Hochst. Flora [0. Z.] XXVf. Besondere Beilage p. 4. — Cf. Endl. Gen. pi. Suppl. IV. p. 8. adn. ad no. 4458/, a.)

Polygama: floribus aliis hermaphroditis, aliis ovarii abortu masculis. Calycis limbus 5-dentatus. Petala lanceolata integra acuminato-inflexa. Fructus a dorso plano-compressus, margine dilatato complanato cinctus, mericarpia jugis tribus dorsalibus filiformibus subulatis, lateralibus obsoletis in marginem abeuntibus, vittis vallecularum iisque commissuralibus (utrinque quaternis) in pericarpio occultis. Carpophorum bipartitum. Semen complanatum. — Planta gummifera truncata et rariis *Araliam* v. *Cussoniam* acmulans.

1. *SIL ARALIACEA* Hochst. 1. c. — A. Rich. Tenl. II. Abyss. I. 328. — Glabra: caule sarborescente, ramulis teretibus glabris, ciliaribus foliorum latorum nolatis; foliis in apice ramulorum aggregatis, maximis longe petiolatis pinnatisectis, segmentis oppositis distinctis viz petiolulatis ovali - oblongis acutis, margine obsolete-dentatis umbellatis longe pedunculatis in parte superiore ramulorum aggregatis; involucri involucellisque pluribus foliolis brevibus constantibus; fructibus obovati-oblongis complanatis, laevibus in alam expansis, apice truncatis, mericarpiis externe costis 9 linearibus approximatis notatis, interne planis. — In Abyssiniae provincia Chiré.

4459. *FERULIA* Koch.

(DC. Prodr. IV. 151. [excl. sect. 1.] — Wlprs. Rept. II. 408. tt 938. V. 877.)

1. *F. SANCTA* Hoiss. Diagnos. plant. orient. nov. X. p. 39. f — Caule clato glauco tereti tenuiter striato, superne paniculato - ramoso, rariis apice ex eodem puncto umbellatis feruleas duasque umbellas masculas paulo longius pedunculatas edentibus; foliis omnibus radicalibus glaucescentibus petiolo longo in vaginam longe dilatato suffultis amplio ambitu triangulari - ovatis ternatim supra - decompositis, segmentis parvis oblongis lobulos oblongos minutissimos. margine subrevolutos, apice rotundatos mucronulatos pinnatisectis, vaginis caulium teneris albidis cymbiformibus oblongo-acuminatis, superioribus ad tricbotomias summas binis in unam biacuminatam concretis; involucris involucellisque nullis; umbellis breviuscule 15—20-radialis; petalis intense luteis; pedunculatis non irrcrassatis fructu caesio elliptico dimidio brevioribus; stylis deflexis stylopodio piano paulo longioribus; jugis interioribus filiformibus tenuibus, exterioribus in margine albido valleculis aequilatum abeuntibus, valleculis trivittatis, commissura quadrivittata. — Crescit in regione calida maritima Palaestinae et Phoeniciae.

2. F. SINAICA Boiss. 1. c. 40. f — Caule elato crasso tereti rubello tenuiter striato, superne pauculato - ramoso, ramis apice saepius umbellam fertilem ampliolem duasque masculas brevius pedunculatas subglobosas ferentibus; foliis albido - glaucescentibus glabris, radicalibus petiolo longo longe in vaginam canaliculatam basi dilatato suffultis, ambitu ovatis ternatim supradecompositis, laciniis planis linearibus indivisis vel decussalim 3—5-fidis obtusis mucronulatis, a costis ullimi ordinis non distingendis; foliis caulinis superioribus vagina lanceolata longissima canaliculata suffultis parvis decompositis; vaginis floralibus ad umbellarura basin parvis lanceolato-linearibus acuminatis, vix ima basi connatis; involucris involucellisque nullis; umbellis breviuscule 15—20-radiatis; petalis intense luleis; fructu. . . . ? — Crescit ad latus boreale montis Stao. Caiharinae Arabiae petraeae in praeceptis.
3. P. ABYSSINICA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 326. — Caule tereti striato (isluloso, 4—8 podes alto rubro - macula to; foliis 'amplis, petiolo dilatato membranaceo, uti vagina caul em prim um obtegente. foliis supradecompositis, segmentis capillaribus ramosis glabris; umbellis numerosis terminalibus, junioribus bracteis latis obovalibus oppositis longissime acuminatis obtectis; involucri involucellique foliolis 2—3 saepius caducis; fructibus. ? — In Abyssinia provinciis Tigre' ft Ouodgerato.

4462. PBrCE»AIVIJM Linn.

(^DC Prodr. IV. 176. - Wlprs. Repert. II. 409. ft 938. V. 882. Annal. I. 351. — *Imperatoria* Linn. — DC. Prodr. IV. 183.)

- * P. MEIFOLIUM Doiss. Diagnes. plant. orient, nov. X. p. 34. f - Gaule crasso striato simplici elato folioso, superne subverticillatim elongato-paniculato; foliis amplis ambitu longis quinque pinnatisectis. supradecompositis, laciniis anguste linear-subulatis abbreviate confertissimis. costis omnium ordinum basi nudis, secundanis petiolul. sr. j. ue dense muricatis, radicalibus petiolo longo suffultis. caulinis multo minoribus, ad apicem vaginae amplae ovatae flavescentis inflatae coriaceae obdargines inter se longe coalitiis urceolae sessilibus; umbellis ad ramorum apicem 3-4-nis, centrali subsessilibus; involucrio nullo; involucelli phyllis ad caucos triangulares oculo armato tantum perspicuos reductis; dentibus calycinis subobsoletis; petalis flavis, dorso late nervosis. ^aP'ce submarginatis cum lacinula inttexa complicata lineari-lanceolata; slylppodio cupuari; stylis deflexis stylopodio triplo longioribus; fructu maturo. . . . 7—*Dorema* ^me»A»lmm Fenzl. — *Peucedanum Schlechtendalii* Boi«. — Wlprs. Repert. V. 883. c. ^s.^{vn}. - Crescit in lota regione intermedia et superior! montis Cassii usque ad cacumen.
- ^{2<} P. PASTINACAEFOLIUM Boiss. & Hohen. 1. c. 35. f— Glaberrimum; caule crasso [^]reti striato duro medulla farcto elato. superne longe laxequo paniculato; foliis radicalibus ^{ca}i»us petiolo crasso rigido sulcato-striato. superne canaliculato suffultis. ambitu lanceolatis pinnatisectis 6-7-jugis. segment oblongis, inferioribus pedicellatis 2-3-p' - J¹¹. Partition inferior! multo minori, costae mediae contigua. segmentis superioribus ^b{*i iruncatis sessilibus. supremis basi anguste decurrenti subconfluentibus. omnibus &**** et acute dentato-lobatis; foliis caulinis 1-2 sessilibus pinnatis multo, mmonibus; [^]bohis secus ramos paniculae elongatos alternatim discus ^S-⁴-radjatis* terminal. ^{ma}iori longius pedunculata; involucri involucellique phyllis 6-7. oblongis acutis albobmembranaceis hisce Hores subaequantibus; umbellis parvis; flonibus sessilibus parvis; ^Palis sordide olbidis aequalibus oblongis. nervo medio virescenti percursis. apice on- ^Suste marginatis cum lacinula inflexa plicata; pedicellus vix incrassalis rigidulis, majore ^J»s fructu oblongo-cinerascenti aequilongis; stylopodio breviter conico. margine ^{bu}lato stylis dellexis eo duplo longioribus coronato; mericarpiis dorso convexis. jugis ^s ml«formibus albidis parum prominulis. lateralibus margini non incrassato, valleculis ^{ae}quilato comiRuis, valleculis late univittatis, commissura concaviuscula bivittata pa-

- pilosa sub linea elevata media canali inani percursa. — Crescit in monte Elbrus prope Derbend in Persia.
3. *P. PETITIANUM* A. Rich. Tent. fl. Abyss. I. 327. — Caule recto leregi glauco sub? glabro ramoso; foliis basi dilata simpliciaulibus tripartito-pinnatisectis, segmentis inciso-serratis nulis, inferioribus pectiolulalis, exterioribus lobulatis hirtellis, subtus reticulatis; umbellis terminalibus; involucro involucrisque oligophyllis maxime variis; floribus albidis, radiis pedicellisque linea pilorum longitudinali notatis; petalis obcordatis. ligula inflexa terminalis; fructibus (immaturis) oblongis compressis, margine membranaceis, utrinque jugis 5 linearibus notatis. — In Abyssinia prov. Ouodgerate.
4. *P. TOMENTOSUM* Benth. Pl. Hartw. 312. no. 1751. — Subcaule tomentoso-pubescente; foliis pluribus pinnatis decompositis. segmentis ultimis linearibus parvis integerrimis 2—3-fidis; involucelli foliolis 5—7 foliaceis acuminatis; fructu ellipso-oblongo dense villosulo. — Caulis brevis, foliis plerisque subradicalibus. Folia, scapi, umbellae et praesertim flores et fructus pube molli albida vestita. Foliorum vaginae dilatatae 1—2 pollicares, petioli infra ramificationem vaginae aequilongi vel paulo longiores, laminae (fere *Abrotani*) circumscriptione sultriangulare 2—2½ pollicares, pluries pinnatisectae, laciniis ultimis confertis 1—2 lin. longis angusto linearibus obtusis vel acutiusculis canescentibus. Pedunculi vel scapi fere pedales, crassiusculi. Umbella 15—20-radiata, nuda vel bractea linearis unica involucrata, radiis floriferis vix bipollicaribus, fructiferis saepe tripollicaribus, in umbella saepius inaequalibus. Umbellulae multiflorae, involucelli foliola a basi distincta, ovato-lanceolata acuminata, basi acuta, flores saepius uccuntia, omnia ad latus exterioris umbellae spectantia. Pedicelli 1—2 lin. longi, post anthesin paulo elongati. Fructus in specimine vix maturus, 6 lin. longus, fere 3 lin. latus, margine laeviusculo, jugis dorsalibus filiformibus prominentibus. Vitae in valleculis 2—3, commissurales 4—6 parum conspicuae. Carpophorum bipartitum. Aflor. *P. dasycarpo* sed tam foliis quam fructu facillime distinctum. — Crescit in California
5. *P. MARGINATUM* Druh. 1. c. no. 1752. — Caulescens? glaberrimum: foliis tripartito-pinnatisque decompositis, laciniis ultimis longiuscule linearibus integerrimis; involucelli foliolis pluribus distinctis anguste linearibus aculis marginatis floribus brevioribus fructu ellipso-pedicello brevioribus. — Affine *P. trilobato*. Caulis elatior videtur, folia multo magis dissecta. Foliorum vagina 3—4 pollicaris, parum dilatata, petioli usque ad vaginam irripulit, segmentis tripinnatisectis, laciniis inferioribus saepe fasciculatis, ultimis 4—9 lin. longis aculis raro simplicioribus. Pedunculi ultra pedales crassiusculi. Umbellae amplae vel depauperatae, radiis semper valde inaequalibus longiore per anthesin tripollicari, fructiferis usque ad 5 pollic., longo. Umbellulae multiflorae. Involucelli foliola pedicello longiore sublongiora, fructiferis multo brevioribus basi clavicula angustata acuta, lateribus albo-marginatis. Pedicelli florentes 1½ lin. longi fructiferi usque ad 6 lin. longi. Calycis dentes parum conspicui. Fructus in specimine vix maturus 5 lin. longus, 2½ lin. latus, anguste marginalis, jugis dorsalibus quinque lenibus, vitae in valleculis solitariae? sed in specimine vix conspicuae. Crescit in valle Sacramento Californiae.

4463A. ALVABDIA Fenzl.

(Fenzl. mss. in Endl. Gener. pi. Suppl. IV. p. 9.)

^ Flores omnes perfecti. Calycis limbus quinquentatus, dentibus minulis aequalibus persistentibus inflexis. Petala aequalia suborbicularia arete involuta, carinae laminae partem inflexam adnectente bilobata, lacinula ovato-acuminata circinato-involuta. Gerraen turbinatislylopedio piano demum depresso, margine decemplicato coronato. Styli recurvi. Fructus obovatus a dorso lenticulari-compressus, margine alaeformi dihitato cinctus, raphae marginalis. Mericarpia 5-juga, jugis

aequidistantibus, tribus dorsalibus filiformibus carinatis, intermedio quandoque obsolete, lateralibus margine inclusis. Vittae quinque jugorum dorso impositae, mericarpiis contrarie compressae, exteriores marginibus inclusae majores, interiorum una alterave oblitterata. Valleculae evittatae, commissura plana bivittata. Carpophorum liberum bipartitum. Semen lenticulari-complanatum, alterius mericarpii saepe abortivum.— Frutex Aethiopicus superne abbreviate-carnosus, sub florescentia aphyllus. Truncus et rami tota longitudine foliorum articulatum deciduorum cicatricibus confertissime lectus, gemma foliipara in trunco post seminum lapsum excrescente, in ramis abortiva. Rami secundarii umbelliferi pedunculares aphylli, versus apicem ramorum primariorum subumbellati, basi vagina squamaeformi decidua fulti. Folia simpliciter pinnatipartita, segmentis remote trijugis sessilibus ovatis et ovato-oblongis proinde crenatis hirtis. Umbellae compositae multiradiatae. Involucra et involucella polyphylla membranaceo-marcescentia. Flores albo-ilavescentes.

1. A. ? Fenzl. — Aethiopia.

4464/la **1.EFEJBCREA** A. Rich.

(Wlprs. Rept. V. 885. — Endl. Gener. pi. Suppl. II. p. 69. — Meisn. gen. pi. vascul. II. 358.)

* 'L. ADYSSINICA A. Rich. — Wlprs. 1. c. — A. Rich. Tent. flor. Abyssin. I. 328. lab. 55.

4467. **AMENIJJ!!** Tournef.

(DC. Prodr. IV. 165. — Wlprs. Rept. II. 413.)

1. A. **CHRYSEUM** Boiss. fit Heldr. Diagn. plant, orient, nov. X. p. 32. - Glabrum: caule nudiusculo crasso sulcato acute anguloso, superne stridite ramosissimo; ramis clongatis subangulatis tenuibus junceis; foliis inferioribus. . . . caulinis petiolo longo complanato convoluto suffullis brevibus bipinnatiseclis, laciniis lineanibus elongatis crassiusculis acutis. apice aculeolato-scabris; foliis summis ad vaginam linearem 3-4-fldam vel iniegram reduclis; uinbelUs muliiradiatis. radiis tenuibus Uavescentibus. fructiferis non incrassatis, nodo in discum.subincrassato; involucro nullo, involucelli Phyllis 5 lineari-lanceolatis acutis, pedicello setaceo paulo brevioribus; petalis intense luteis; shlis recurvo-deaeiis. stylopedio depresso. fruclu angustion multo longion-Jus; fructu pedicello paulo breviori, mericarpiis ellipiicis, jugis dorsalibus fere obsoleteis, laicralibus in marginem album diame.ro seminis dimidio W * « i abeun-tj-bus, viltis in valleculis solitariis latis. commissuralibus bin.s. - Crescil in humilion-bus Tauri Pamphlici inter Maria et Adalia alt. 1000 ped.

4468/,. **ANTHOSCIADIUM** Fenzl.

(Fntl. mss. in Eifdl. Gener. plant. Suppl. IV. p. 9.)

Calvcis limbus auinquedentatus, dentibus incurvis diu persistentibus, florum marSnalium inaequalibus, exterioribus 2—3 majoribus lanceo-latis setaceo-cuspidatis, interioribus setaceo-subulatis, florum centralium subaequalibus subulatis parvis. Pctala florum marginalium subradiantia obcordata, "lobis saepe subinaequalibus, centralium obovalo-

elliptica v. elliptica retusa, lacinula acuta inflexa. Stylopodium pulvinare. Styli florum fertilium filiformes demum reflexi, sterilium punctiformes. Fructus a dorso leniculari-compressus margine dilatato subalato complanato chartacco cinctus, rhabbe exacte marginali. Mericarpi ovalia basi et apice retusa 5-juga, jugis tribus dorsalibus approximates filiformibus acute carinatis, lateralibus remotiusculis obsoletis, medio fere margini impositis, vittae valleculeas intermedias implentes solitariae aut interdum binae, laterales binac v. ternae superne confluentes, commissurales valleculeis lateralibus oppositae 4—6 filiformes. Carpophorum liberum apice obsolete bifidum. Semen complanatum, jugis marginalibus fere contiguum, pericarpio tenui arete inclusum. — Herba Nepalesis perennis, caulis firmus subramosus. Folia 2—3-pinnatisecta, 5—6-juga, segmentis vix decurrentibus, inaequaliter inciso-pinnatifidis, laciniis linearibus, apice inaequaliter 2—3-dentatis. Petioli arete vaginantes. Umbella multiradiata densa. Involucra 1—5-phylla, foliolis linearibus flaccidis. Involucella polyphylla, foliolis inaequalibus, exterioribus lanceolatis longioribus, interioribus subulatis.

1. *A. . . . ? Fenzl. — In Nepalia.

4472. ARCHEMORA DC.

(DC. Prodr. IV. 188.)

1. A. FENDLERI A. Gray, Plant. Fendler. 56. no. 272. — Radice fasciculato-tuberosa; caulo simplici; foliis pinnatis 5—7-foliolatis, petiolis basi spatulatis, foliolis oblongo-ovatis obtusis vel foliorum superiorum lanceolatis inciso-serratis, utrinque virgatis; involucellis nullis; fructibus parvulis anguste alatis. — Crescit in Nova Mexico.

f Icon addenda.

A. RIGIDA DC. I. c. no. 2. - Torr. Flor. of New York I. 278. f. tab. 37.

4473. PASTINACA Tournef.

(DC. Prodr. IV. 188. — Wlprs. Report. II. 414. [excl. no. 3. & 4.] V. 886, Annal. I. 353.)

1. P. ATROPURPUREA Sleudel mss. ex A. Rich. Tent. tt. Abyss. I. 329. - Caule . . . ?; foliis . . . ?; floribus purpureis; involucro . . . ?; involucellis 1—2-phyllis aut nullis, foliolis lanceolatis subulatis; petalis obovatis interne concavis cum lacinula terminali inflexa; disco (stylopodio) maximo depiesso; fructibus violaceis? glaucis oblongo-ellipticis compressis. — In Abyssinia prov. Tigrae.

f Icon addenda.

P. LIGUSTICIFOLIA W. et Am. — (Wlprs. Report. II. 414. no. 6.) — Wgl. Illustr. of Ind. bot. II. tab. 116.

4474. MAIJBANIA Hoffm.

(Wlprs. Report. V. 88\$. — *Leiotulus* Ehrnberg. Linnaea IV. 400. — DC. Prodr. IV. 669. — *Pastinacae* spec. no. 3. & no. 4. — Wlprs. Report. II. 414.)

1. M. KOTSCHYI Boiss. Diagnos. plant. orient. nov. X. p. 42. f. — Tota brevissime sublenie puberula: caule erecto ramoso subangulato - striato; foliis ambigua lanceolato-

linenribus pinnatisectis, segmentis sessilibus oppositis oblongis, iterum pinnatisectis, laciniis acute lobatis; umbellis umbellulisque amplis multiradiatis; involucri celluloque nullis; pedicellis glabris; radiis pedicellisque parce setuloso - scabridis hisce fructu elliptico basi subangulato sesquialongioribus; mericarpiis dorso parce papilloso - puberulis; stylopodio cupulari emarginaturam aequanti stylis elongatis superato, alae utrinque diametro seminis paulo angustioris pariete exteriori incrassata alba, internae pellucidae aequilata, vittis non abbreviatis internis dorsalibus angustioribus, commissura parce araneoso - puberula. — *Af. pinellifolia* Kotschy. — Crescit inter segetes in Persia australi prope Scbiraz.

4477. *HERACIUM* Ilffm,

(DC. Prodr. IV. 191. — WJprs. Repert. II. 415. & 939. V. 889, Annal. I. 353.)

1. II. (*SphontyUum*) LEHMANNIANUM Bnge. Del. sem. horl. Dorpat. 1849. coll. p. 2. ad. — Foliis supra glabris, subtus molliter dense pubescentibus, inferioribus pinnatisectis bi- trijugis, segmentis lateralibus obovatis pinnatisectis, summo tripartito basi cuneato, laciniis omnium ovalis brevibus aculis grosse subaequaliter dentatis; umbella amplissima radiata; ovarii villosi; fructibus exacte oblongis pilosis aculeolis destitatis, vittis clavalis usque ad 1/2 fructu productis, exterioribus paulo brevioribus, commissuralibus clavatis medium fructum vix attingentibus parum divergentibus. — Prope Samarkand.

2. H. STENOPHYLLUM Jord. Graines récoltées au Jardin bot. de Grenoble en 1849. N P>g. 16. no. 10. — Umbella radiis 15 — 18 pubescentibus, supra tenuiter striatis, subtus fere lacibus, exterioribus ascendentibus. umbellis planis radiatis; involucri foliolis e basi lanceolata linearis-sectis pedicellos vix aequantibus; calycis lobis ovatis brevissimis rigidulis patulis; petalis extimis magnis striatis, ultra medium fissis cuneatis, lobis obtusis divergentibus; stylis a basi credo - patulis stylopodium incrassatum subaequantibus; fructibus subelliptico-ovatis, basi rotundatis, apice emarginatis, denique glabris, costis lateralibus prominulis. vittis exterioribus paulo ultra medium productis, interioribus medium vix attingentibus; foliis intense viridibus/subtus pubescentibus, radicalibus amplis undulatis petiolatis ternatis, segmento terminali petiolo amplo ovato dissecto, basi aperte leviterque cordato, lateralibus sessilibus vel breviter petiolatis, basi obliqua basi cordatis ovato - lanceolatis, saepe elongatis incisiventatis vel profunde pinnatisectis, lobis apertis lanceolatis acuminatis acute serrulatis, serraturis mucrone subincurvo terminalis; foliis caulinis sessilibus; caule profunde sulcato erecto ramoso; ramis patulis. — Crescit in lapidosis calcareis inter frutices in montibus Beugesi.

3. B. GLABRESCENS Boiss. ff Hohen. Diagnos. plant, orient, nov. X. p. 41. f — foliis ternatis, supra glaberrimis, subtus glabrescentibus, sub lente tenuissime puberulis, ad nervos et margines minute asperis pinnatisectis bijugis, segoienti* lateralibus inferioribus petiolatis profunde tripartitis, intermediis sessilibus, terminali petiolulato, profunde tripartito, pinnatisectis omnibus oblongis elongatis in lacinas grosses triaangulatas elongatas acuminatas - lobatas divisis; umbellis amplissimis, radiis glabris. podunculis glabris vel asporulis; petalis exterioribus albis amplissime radiatis bijugis, laciniis oblongo - linearibus; mericarpiis obovato - ellipticis ad discum setis papillaribus elongatis sparsis obsolis. raargine apicera versus nuncolonia, vittis dorsalibus 1/2a petioli aequantibus subaequilongis, superne tenuissimis, basi late saccato - clavatis, commissuralibus binis clavatis pericarpium dimidiam longitudinem vix aequantibus divergentibus. — Crescit in humidis faucium montis Elbrus.

4. H. ANISAGTIS Boiss. ff Hohen. 1. c. 41. f — Caule tenui striato-sulcato erecto parce subdilatato ramoso glabro; radicis collo dense fibroso; foliis sub lente parce papilloso - puberulis, radicalibus petiolo elongato, caulinis petiolo brevi basi vaginante

- suffultis. ambitu lanceolatis pinnatisectis 3—4-jugis, jugis praesertim inferioribus inter se valde remotie, segmentis ovatis profunde 2—3 - pariis, summis indivisis, omnibus circumcirca inciso-dentatis, dentibus obtusis, inferioribus petiolulatis, cactens sessilibus. foliis summis ad vaginam oblongam, apice 3 segmenta subsessilia gremem reductis; umbellis valde inaequaliter 9—11 -radiatis, involucelli pbyllis lanceolatis deflexis membranaceis minimis, demum deciduis, pedicellis hirsutis; petalis albis, exterioribus parum radianlibus; fructu elliptico glabriusculo, pedicello paulo longiori, vittis dorsalibus qualuor pericarpium tertiam partem vix excedentibus clavatis, commissura evittata. — Crescit ad radices montis Demawend juxta pagum Ask in Persia.
5. H. CONCANENSE Dalzell in Hook. Kew gard. misc. II. 260. f - Bipedale, totum parce patentique hispidum: caule erecto sirialo dicholomo-ramoso; foliis biternatis, foliolis trilobatis vel ternatisectis, segmentis ovatis basi cuneatis inoequaliter serratis, serraturis calloso-mucronatis, foliis superioribus in petiolum vaginantem reductis. — Involucrum 1—3-phyllum unilaterale. — Habitat in India orientali in collibus Concanensibus.

4478. ZOZOIA *Hffm*,

(DC. Prodr. II. 195. — Wlprs. Reper. V. 891, Annul. I. 353.)

1. Z. RADIANS Doiss. & Hohen. Diagnos. plant, orient, nov. X. p. 43. f — Caule sulcato hirtulo recto, in umbellam terminalem amplam longe pedunculatam sub-20-radiatam abeunti, medium versus saepe 2 umbellis parvis oppositis breviter pedunculatis aucto; foliis radicalibus numerosis expansis ambitu ovatis supradecompositis, laciniis linearibus obtusis, inter se villo denso griseo cohaerentibus; radiis pedunculisquod hispidis; involucri involucellique phyllis linearibus subulatis; petalis albis, exterioribus valde radianlibus bipartitis, laciniis oblongo - spatulatis longitudinaliter 2—3 nervis rufescentibus percursis; umbellis fructiferis contractis; fructu elliptico pedunculo aequilongo praesertim ad discum longe papillam hirsutam, apice angusto emarginato, vittis latis contiguis totam sominis peripheriam occupantibus, alae utrinque seminiferae aequilalae margine valde inflato parti interne pellucidae aequilato. — Crescit in schistosis montis Elbrus prope pagum Passgala.

4480. JOHRSTIA *DC.*

(DC. Prodr. IV. 196. — Wlprs. Reper. II. 416. [excl. no. 1.] V. 892, Annul. I. 354.)

1. J. DICHOTOMA *DC.* (non Boiss.) Doiss. Diagn. plant, orient, nov. X. p. 33. + — Foliis inferioribus bipinnatisectis, segmentis distantibus subjugis in lacinias late linearilanceolatas planas, basi confluentes partitis; umbellis breviter radiatis, fructiferis non contractis; mericarpiis ovatis, area centrali a margine fungoso albo distincta, commissurae planiusculae pericarpio non fungoso linea lenissima elevata ad mediam partem percurso. — Crescit in Libano, ad Antilibani radices ad Rascheya et Cassio.
2. J. FUNGOSA Doiss. 1. c. f — Foliis inferioribus bipinnatisectis, segmentis remotiusculis in lacinias anguste lineares, margine subrevolutas, basi vix confluentes partitis; umbellis longiuscule radiatis, fructiferis contractis; mericarpiis oblongis, latere exteriori convexis fungosis, area centrali indistincta, commissurae concavae pericarpium fungoso linea elevata sulcata ad mediam partem percurso, canali inani inter album, et commissuram mediam sito. — *J. dichotoma* Boiss. non DC. — Crescit in montibus Lydiae.
3. J. JUNCEA Boiss. 1. c. f — Foliis radicalibus antheseos tempore faene destructis caulibus nudis valde elatis virgatis dum's viridibus teretibus striatis, superne alteris

ramosissimis, ramis striatis erecto-patulis; vaginis caulium et ramorum linearibus acuminatis, demum deciduis: urabellis longe pedunculatis, valde inaequaliter 7—8-radiatis; involucre nullo, involucelli phyllis 5—7 linearibus acuminatis submembranaceis pedicellos subaequantibus; petalis luteis late et indistincte viltatis: stylopodio depresso conico, margine lobulato, stylis deciduis; fructu . . . ? — Crescit ad margines agrorum sterilium in Antilibano inter Rascheya et radices Hermonis.

4481A. *AWN&VrOnTniA Boiss.*

(Wlprs. Repert. V. 894.)

1. AI. TRACHYCARPA Boiss. Diagn. plant, orient, nov. X. p. 43. f — Annuā: caulibus pluribus angulosis simplicibus vel a basi parce ramosis ramisque aculeolis brevissimis subdeflexis asperis; foliis breviter pubescentibus, infimis aliquando indivisis ovato-cordatis, caeteris triseclis vel pinnatisectis, segmentis lateralibus ovalis sessilibus, terminali ovato-cordato, omnibus obtuse crenato-dentatis, foliorum supremomm petiolis brevissimis in vaginam dilatatis, segmentis angustioribus acute dentatis; umbellis longe pedunculatis; involucri involucellique phyllis numerosis tenuiter setaceis asperrimis. iUs dellexis, hisce flores marginales superantibus; petalis valde radiantibus oblongo-paihulatis cum corniculo basilari laterali; fructibus pedicello setaceo iis longiori sulfultis; mericarpiis ovatis ad discum et marginem sub lentē tuberculis albis stipptatis dense obsilis, apice nee basi anguste emarginatis, margine albo infnto seminis diametro dimidio angustiori, jugis tenuissime fliformibus, viltis tenuibus dorsalibus, anteriorihiis rectis, exterioribus arcuatis, margine contiguīs, commissuralibus binis secus lineam mediam silis, facie coinmissurali concava. — Crescit in collibus et cultis Judaeae prope Hierosolyma, S. Saba et in descensu ad mare Mortuum.
2. AI. CARMELI Boiss. 1. c. 44. f — Annuā: caule erecto sulcato simplici vel a basi remote ramoso; ramis elongatis strictis petiolisque palule hispido-scabris; foliis petiolatis vel omnibus indivisis ovato-rotundis, profunde cordatis vel superioribus tripartite vel triseclis vel omnibus triseclis, segmentis lateralibus ovatis sessilibus, terminali Petiolulalo ovato-cordato. omnibus utrinque pubescentibus circumcirca rotundatim crenato-lobatis; umbellis longe pedunculatis terminalibus, fadiis patule setosis; involucri phyllis numerosis setaceis deflexis scaberrimis, involucelli setosis selaceis inaequalibus longioribus, flores aequantibus; petalis valde radiantibus obovatis cum corniculo basilari; fructu pedicello eo paulo longiori sudulto; mericarpiis orbiculatis late ^{ar}ginatis, basi et apice anguste emarginatis, marginis utrinque semini parce tuberculo ^{ualo}-punctato aequijati parte interiori rufescenti-pellqcida, exteriori opaca albida Paulo angustiori subinflata. jugis tenuiter fliformibus intra marginem pellucidum ris ^u« ad stylopodium prpductis, vitlis dorsalibus interioribus rectis, exterioribus arcuatis. commissuralibus ad 2 latera lineae elevatae sitis, omnibus tenuibus; fructibus iowanis umbellae saepe urceolatis. — *A. cordata* Pinard. — Crescit inter frutices in U ^{re} se ^{pt} «nlrionali Carmeli prope coeoobium.

4482. TORBYIIUIH *Tournef.*

(DC. Prodr. IV. 197. — Wlprs. Repert. II. 417. V. 895.)

1. T. PESTALOZZAE Boiss. Diagn. plant, orient, nov. X. p. 45. f — Annum, basi praecrtim pilis albis defleis hirsutum: cauMbus nanis ima basi parce ramosis 2—4 umbelUas longiuscule pedunculatas edentibus; foliis radicalibus breviter petiolatis ovalo-cordatis, caulinis paucis triangulari-Janceolatis acutis. basi tripartitis triseclisve, lobis ^{ra}teralibus parvis rotundalis, omnibus obtuse crenato-dentatis; umbellae radiis brevissimis, fruClifera ^{Us} parce setosis; involucri involucellique phyllis lanceolato-linearibus albdimarginatis vaide setosis, illis deQexis, hisce petalis inulto brevioribus; II.

petalis pallide ochroleucis, exterioribus valde radiantibus obovato-spathulalis, basin versus lobo TOlundalo minimo corniculoque brevissimo auctis; pedicellis fructu brevioribus; mericarpiis ovato-rotundis, apice angustissime emarginatis, disco ovato-triangulari papillis albis elongatis sparsis obsilo, margine albo glabro inflatissimo disco angustiori transverse rugosissimo, jugis filiformibus. vitlis dorsalibus nullis, facie commissurali plana albo-pruinosa, vittis commissuralibus duabus subdivergentibus. — Crescit prope Elmalu Lyciae.

2. T. BtACHYTAENIUM Boiss. & Heldr. 1. c. f — Annum, lotum setulis deflexis asperulum: caule tenui basi hispido sulcato-striato, a basi parce ramoso; foliis peliolo hirsuto suffultis subsericeo-puberulis irsectis, segmentis lateralibus sessilibus ovato-rotundis. terminal! petiolulato ovalo-cordato, foliorum superiorum otlongo acuto, omnibus obtuse dentato-crenatis; involucri involucellique phyllis lanceolato-linearibus adpresse setosis, illis deflexis, hisce petala exteriora non aequanlibus; petalis albis, exterioribus ample radiantibus obovato-spathulatis, basin versus lobo rotundalo minimo corniculoque brevissimo auctis; pedicellis scaberrimis fructu brevioribus; mericarpiis ovatis, apice emarginatis, disco breviter et parce papillari, margine albo glabro, seminis diametro diindio angustiori obsolete et tantum superne rugoso, jugis filiformibus. vittis dorsalibus interioribus duabus brevissimis, exterioribus sub margine inflatis, facie commissurali plana albo-puberula. — 7*. *officinale* Heldr. non L. — Crescit in rupestribus collium prope Kourmalu ad occasum urbis Adalia in Pamphylia.

Tribus IX. TETRAPLEUREAE Parl. in Hook. Niger Flora pag. 131.

Fructus a dorso lenticulari-compressus. Mericarpiorum juga quatuor prominentia aequalia.— Tribus ad Umbelliferas orthospermas pertinens, fructus forma ad *Angeliceas* et *Peucedaneas* accedit, sed ab utrisque omnino differt jugis quatuor prominentibus, quorum 2 ex secundariis formata, nee marginalia in alam expansa.

4483/p TETRAPLEURA Parl

(Parlatore in Hook. Niger Flora p. 131.)

Calyx . . . ? Petala . . . ? Mericarpia jugis primariis quinque, lateralibus marginantibus prominentibus» duobus aliis dorsalique obsolete fere nullis, secundariis quatuor, duobus dorsali proximis elevatis marginantium magnitudine, duobus aliis subnullis, unde mericarpia quadrangulata. Vittae solitariae sub jugis quatuor prominentibus, commissure bivittata, vitlae omnes filiformes. Carpophorum bipartitum. Semel complanatum. Albumen carnosum planiusculum.

1. T. INSULARIS Parl. 1. c. — Crescit in insula S. Vincentii ad oram Africae tropicae occidentalis.

Tribus X. SILERINEAE Koch. — DC. 1. c. 199.

4484A? POLYZYCTUS Dalzell

(Dalzell in Hook. Kew gard. misc. II. 260.)

Calycis margo 5-dentatus» denibus exterioribus majoribus. Petala oblonga, acumine in Hexo. Fructus a tergo compressus ovatus glabrus

nitidus multijugatus, inter juga primaria secundaria gemina, omnia subaequalia filiformia, apleria, valleculae omnes vittatae, commissura 8-vittata. Involucrum nullum vel bracteolaeforme, involuceflum triphyllum, unilaterale. Flores aibi, in disco steriles, styJus subnullns, in radio fertiles, styli longi divaricati purpurei. — Herba pedalis, tota glabra: radice tuberosa; caule erecto parce ramoso striato, inferne tereti, superne angulato sulcato; folijs radicalibus caulinisque biternatis, petiolis comniunibus partialibusque subaequalibus, foliolis triternato-pinnatisectis, segmentis cuneatis et ovatis inaequaliter serratis, serraturis mucronutetis; ramis bifariis ex foliorum axillis paucis; umbellis terminalibus axillaribusque nudis.

J. *P. TUBEROSUS Wlprs. mss. — In India orientali.

4487. *ORMOSOLENIA* Tausch.

(Wlprs. Rept. II. 417.)

1. *O. PISIDIGA* Boiss. ft Heldr. in Boiss. Diagn. plant, orient, no?. X. p. 34. + — Perennans: radice cylindrica subnicipiti; foliis omnibus radicalibus glaucescentibus carnosulis, petiolo longo suffuhis, ambitu oblongis trisectis vel pinnatisectis bijugis, segmentis cuneatis profunde et obtuse lineari-lobatis, lateralibus sessilibus, terminali petiolato; coulibus praeter vaginas 1—2 nudis, basi incurvis ascendentibus parce et dicotome ramosis, folia multo superantibus; umbellis terminalibus inaequaliter 3—4-radiatis; involucris involucellisque nullis; petalis luteis glabris; pedicellis fructiferis tenuissimis, fructui aequilongis; stylopodio conico-depresso, margine lobulato, stylis deflexis aequilongis superato; mericarpis ellipticis glabris, jugis tribus interioribus filiformibus prominulis, lateralibus in marginem albidum vallecule aequilatum confluentibus, valleculis trivittatis, commissura seivittata, vittis subflexuosis. — Crescit inter lapides in regione alpina montis Stavros Pisidiae prope Isbarta alt. 6500 ped.

Tribus XII. *THAPSIEAE* Koch. — DC. 1. c. 202.

4491. *CYMOPTERUS* Baf.

(DC. Prodr. IV. 203. — Wlprs. Rept. II. 417.)

1. *C. FENDLERI* A. Gray, Plant. Kandler. 56. no. 274. — Pumilus subcaulescens: foliis radicalibus 2—3-pinnato-partitis. ambitu oblongis vel ovato-lanceolatis, pedunculos excedentibus, pinnis segmentisque 5—7 oblongis obtusis incisis, superioribus conuenatis, rhachi latiuscula; umbella glomerata pauciradiata; involucro obsoleto; involucellis unilateralibus herbaceis 3—5-partitis, flores luteos aequantibus, laciniis oblongis; fructibus plerumque septemalatis, alis membranaceis planis. — Crescit in Nova Mexico.

4492. *ASCRAUPITUM* Tournef.

(DC. Prodr. IV. 204. — Wlprs. Rept. II. 419. V. 896.)

1. *L. LONGIRADIUM* Boiss. Voy. bot. App. p. 734. f — Caule striato alato glabro; foliis radicalibus ambitu ovatis amplissimis ternato-bipinnatis bilaternisque, foliolis ovato-rotundatis crenato-dentatis. crenis mucronulatis, lateralibus basi rotundatis, saepe brevissimè peiululatis, terminali breviter cuneato indiviso vel trifido: umbellis looglis-

sime pedunculatis sub-10-radians, radns stnotis glabns longissimis, involucro nullo, involucelli polyphylli foliohs setaccis pedicellos aequantibus, umbelluhs subglobosis; pelalis obcooidatis", Insi cuneatis albis roseis, fruclu cjilindnco-angulalo podicello suo longiou, shhs rectis stjlopodio longioubus, mencarpu glabn ahs inter se aequalibus mtegnis angusus ux vallearum latitudine — Habitat in Ifispama in umbrosis Sier-
rae Nevadae

2. L. PETHOPHILIM Boiss ft Heldr. in Bois*. Dmgn. plant orient nov. X. p. 46. + — Glabrum fohis radicalibus numeiosis tnpmnatisectis, ambitu ovatis, petiolis basi dilatatis costisque secundams longe denudatis, segmentis abbreviate in lacinas oblongo-lineares ncutas, margine subrevolutas rigidulas parvas piofunde paititis; caulibus tere-
tibus urgatis fere a basi dichoiome ramosis, folus caulims supenonbus ad vagmam linearem elongatam apice in lacinulas breviasimas hneares pinnaliseclam vel indivisam reductis, umbelhs lerminahbus subaequahler 5—11-radiatis, involucn phyllis 5 minu-
tis lanceohtis longe acuminatis submembranaceis, umbellis subglobosis parvis, invo-
lucelli phjllis 5 lanceolatis membranaceis acuminatis pedicellos aequantibus, petalis
luteolis nequalibus parvis, apice emarginatis cum lacinula mtlexa, fructus oblongi *
latere subcoïnpressi mericarpsn prismaticis, jugis pnmarus fliformibus, secundani*
in ala& integias earum iniervallo vix laliores expansis, stjlopodio depresso, slylis de-
flexis eo paulo longioubus superato. — Grescit in flssuns rupium moatis Boudrouo.
in montibus Lyciae supra Elmalu alt. circa 5000 ped.

Tnbus XIII. DAUCINEAE Koch. — DC. 1. c. 208.

4496. ORLAIA *Ilfm.*

(DC Prodr. IV. 209. — Wlprs Repert. V. 899)

1. 0.⁹ AMSOPODA Boiss Diagn plant, nov orient X. 46 f — Annuā radice verticali
longa gracili, caule feie a basi dmsō slnato glabrescenti, raims patulis, folus radiCf
libus et ad djcholomias sitia ambiu oblongo-tnangulaiibuj* bipinnatisectis, segment
ovatis, in lacinas hneares bieves ad basin usque parutis, sub lente parce setulos
peiiolo glabio bnsi in vaginulam brevem ainplexicaulem longe birbatam dilataio, B^
belhs oppositifolus, infima subsessili vel pedunculo brevis&nne recurvo subincrass
su/Tulta, superioribus longe pedunculatis, omnibus inaequalitci pauciradiatis, involu
mvoluccllique phjllis hnean- lanceolatis angustissime albo - marginatis, hisce flore
supciantibus, umb(lhihs parvis, petalis albis, extenonbus modice radiantibus vo
subacquablei bipartitis, lobis rotumlato-cuneatis, ovano ovato papilhs albis birsu
sjnio. — Ciescit in vallibus Palaestinae in provmcia Samaria

4497. DAUCUS *Tournef.*

(DC. Prodr. IV. 209. — Wlprs Repert II. 419. 8t 939. V. 899, Annal. I 354. fit 930.7.)

1. *D SETIFOLIUS Dsf. — DC 1 c. — Boiss Voy bot. App. p 734. — *Daucus braM.*
lobus Boiss — Wlprs Repert II. 419. no 3
2. D MICROSCIADIUS Boiss Diagn plant, orient, nov. X pag 47 f — Annuus*
giacih elato dichoiome et i emote rmo&o, pilis patulis sparse longis hispido, ft
bipinnatisectis, ambitu oblongo-lanceolatis, lacimi* remotis angusie lineanbus su^f
voluiis acuiis adpies»sc scabndis, umbellis parw» longiuscule pedunculatis subaeq-
ter radians*, involucn phjlli» scabiia palulis, umbella paulo brevionbus tnfldis, 1
seiaceis. imolutelli phjllis lineau-setaceis. basi albo-marginatis flores aequai
floribu^ albis, central! umbellae centralis sierih. petalis marginalibus vix radiu

fructus oblongi jugis secundariis in aculea albos tenuissimos, apice glochidlatos, basi triangulari dilatata in cristam anguatam coalitos, mericarpii diametro sesquilongiores dilatatis, facie commissurali setulosa. — Crescit in planitie elata inter Aleppum et Amiochiam sita.

3. 0. ABYSSINJCUS Hochst. mss. ex A. Rich. Tent. 0. Abyss. I. 331. f — Parvnis annuus: caule 1—8 uncias alto, parce ramoso tereti; foliis trjpinnalesectis, segmentis angustis acutis bi—trifurcatis, subtus pilis raris aculeiformibus conspersis; umbellis pauciradiatis sessilibus axillaribus; petalis albido-roseis, lacinula inflexa apice emarginatis; fructus oblongi, aculeis diametro excedentibus glabris, apice hamatis. — *Cawcalis Abyssinica* Hochst. mss. — In Abyssiniae prov. Chire*.

Subordo II. *CAMJPYJLOSPXMJMEAE* DC. 1. e. 315.

Tribus XV. *CAUCALINEAE* Koch. — DC. 1. c. 216.

4502/x. *ČtiLOCHIDOTmSCA Fnzl.*

(^pnzl. in Russegg. Reise I. 2. p. 970. adn. ex Endl. Gener. pi. Suppl. IV. p. 12. — *7brgeniopsis* Boiss. — Wlprs. Repert. V. 902.)

- *• *GL. FOENICULACEA Fnzl. 1. c. — *Turgmiopsis foeniculacea* Boiss. — Wlprs. 1. c. no. 1. — *Turgenia foeniculacea* Fnzl. — Wlprs. Repert. II. 421. no. 1.

4503. *TOBIMS Adans.*

(DC. Prodr. IV. 208. — Wlprs. Repert. II. 421. V. 903, Annal. I 358.)

- *• ?• TRIRADIATA Boiss. ft Heldr. Diagn. plant, orient, nov. X. p. 48. f — Annuā: caule ©recto flexuoso, a basi dichotome ramoso tereti, setis sparsis adpressis minntis striguloso; petiolo foliorum inferiorum elongato, superiorum in Yflginam linearem canaliculototam difatato, foliis viridibus sub lente strigulosis, ambitu oblongis bipinnatisectis, segnaentis in lacinias breves oblongo-lineares acutas ad basin usque partitis; umbellis axillaribus triradiatis, radiis subaequalibus patentibus; involucro nullo; ombellulis minim's; involucelli phyllis lineari-setaceis, ovaria aequantibus; floribus sessilibus dense €ngestis, marginalibus roseis subradiantibus, ovario aequilongis; fructu ovato nndique luberculis flavidis brevissime aculeolatis obsito, stylis rectis subdivergentibus. — Gres^{cit} in saxosis Pamphylliae prope Adalia.

Tribus XVI. *SCANDICINEAE* Koch. — DC. 1. c. 220.

4504. *SCAH1NCK Grtor.*

(DC. Prodr. IV. 220. — Wlprs. Repert. II. 421. V. 903.)

- *• SC. PISIDICA Boiss. ft HeWr. Diagn. plant, orient, no?. X. p. 49. t - Annuā: caulibus Piliis patulis albo-hirsuiis; foliis breriter et paroe hirsutis, lacinulis incurvis elongatis Qnguste lineari-setaceis; umbeUae radiis glabris; involucelli phyllis deflexis brevibus oblongo-laoearibus crispo-laoatis bifidis; petalis parum radianlibus, exterioribus bi-

lobis cum lacinula inflexa, cacteris indivisis, in lacinulam inflexam attenuatis; fructibus breviter jedicellatis longis rectis subteretibus, tota superficie sparsissime aculeolatis, rostro complanato, semine triplo longiori, marginibus tantum aculeolato-scabris; stylopodio cupulari, stylis longis subparallelis supernto. — *Sc. Iberica* Heldr. non M. B. — Crescit inter segetes Pisidiae ad Egirdir.

4504/. CYCIOTAXIJS Boiss.

(Boiss. Diagn. plant, orient, nov. X. p. 48.)

Calycis dentes obsoleti. Petala minima aequalia alba oblongo-lanceolata acuta, apice intus inflexa evittata. Flores omnes hermaphroditi, centralis sessilis ovario aliis duplo majori donatus, marginales pedicellati circa centram circulariter dispositi. Ovarium lineare stylopodio eo latiori discoideo bipartite-stylisque rectis superatum. Fructus omnes fertiles longe rostrali, centralis indehiscens pericarpio spongioso-incrassato donatus periphericis multo crassior conico-attenuatus teres, fructus peripherici a latere compressi, in duo mericarpia dorso convexa ab apice rostri secedentes, pericarpio tenuissimo donati, jugis quinque filiformibus fere obsoletis, vittis 2—3 parum perspicuis inter se valde approximatis in intervallis junctis. Commissura canaliculata. Albumen in omnibus fructibus comeum sulcatum, marginibus involutum. Carpophorum apice bifidum. — Herba Palaestina facie *Scandicis*. Genus fructus dimorphia ad *Echinophoras* accedens, sed magis affinis *Scandici*, quae ab eo differt petalis radiantibus fructibusque liomorphis.

1. C. PALAESTINA Boiss. 1. c. — Annu herbacea a collo ramosa: caulibus brevibus expansis dichotome raris foliosis teretibus; foliis ambulo oblongis tripinnatisectis, lobulis tenuibus breviter et anguste linearibus acutis, petiolis brevibus, basi in vaginam linearem striclam caulera amplectentem dilatatis; umbellis breviter pedunculatis 6—12-radiatis; pedunculis, radiis pedicellisque post anthesin spongioso-incrassatis, apicem versus dilatatis; involucro nullo, involucelli phyllis linearibus florum pedicellos aequantibus ciliatulis, apice breviter bifidis; fructibus periphericis ad latus externum secus semen et rostrum breviter aculeato-scabridis; semine pedicello sublongiori, rostro suo dimidio breviori; fructu centrali laevi.

a. *glabriuscula*: caules et folia glabriuscula; fructus centralis glaber.

P. *papillais*: caules superne et folia breviter tomentella asperula, fructus centralis papillis albis longis mollibus crispulis obsitus. — Crescit in pinguibus hyemalibus inundatis planitiis Galilaeae.

4506. CHAEROPHYLIUM Linn.

(DC. Prodr. IV. 224. — Wlprs. Repert. II. 422. V. 905.)

1. CH. CRETICUM Boiss. f. Heldr. Diagn. plant, orient, nov. X. p. 51. f — ~~Perennans~~ vel bienne; caule tereti subtiliter striato glabro folioso, superne corymboso-paniculato; foliis ad petiolos et costas patulis vel deflexis hispidis, petiolo in vaginam inferne dilatato suffultis, ambitu oblongis tripinnatisectis, segmentis tomentellis in lacinias minutas breves oblongo-lineares acutas partitis, foliis superioribus minoribus in vagina sessilibus subsessilibusve; umbellis mulliradiatis, lateralibus minoribus, omnino vel fere omnino sterilibus; involucri involucellique polyphylli foliolis oblongis acutis membranaceis albidis punctatis, hisce pedunculos aequantibus; petalis luteolis glabris ^ d. i. cello vii incrassato, fructu quadruplo breviori; fructu longe laeviori cylindrico laevi

eiimie costato, apice vix attenuaio, st̄lopodio depresso patellari ei aequilato stylisque divergentibus tenuibus stylopodio parum longioribus coronato; carpophoro apice tantum bifido. — Crescit in planitie Omaļo monium Sphaeticorum alt. 3500 ped.

4507. BUTIJt̄fIA *Boiss.*

(Wlprs. Repert. II. 422. V. 906.)

1. B. CRETICA Boiss. ft Hldr. Diagnos. plant. orient. nov. X. 50. f— Perennis, praeter vaginas foliorum ciliatas glaberrima: radice globosa; caulibus pumilis teretibus, in feme nudis, poulo supra basin parce dichotomis, ramis divaricatis; foliis radicaibus petiolo longo tenero suff'ullis ternalis. parliiombus petiolulalis, ambitu ovatis bipinnatisectis, segmentorum Iaciniis abbrevialis oblongis mucronulatis, foliis caulinis in vagina oblonga subsessilibus pinnatim vel bipinnalim sectis, Iaciniis paucis; umbellis 2—4-radiatis; involucro nullo, involucelli phyllis circier quinque oblongis acuiis albo-marginalia, pedicellos subaequantibus; fruciibus pedicello aequilongis oblongo-linearibus; siylopodiiis conicis in stylos subdivergentes iis longiores attenuatis. — Crescit in lapidosis monium Lassili Cretae ad nitem deliquesceniera alt. 5000—6000 ped.

4512. TAUSCHIA *Schlcht.*

(Wlprs. Repert. V. 907.)

- *^T. (*Museniopsis*) TEXANA A. Gray Bost. Journ. of nat. hist. VI. 211 — Glaberrima: foliis omnibus radicalibus, ulrinque viridibus pinnato-decompositis, nempe pinnis 3—5 cum impari. inferioribus petiolulalis (petiolulis ac petiolo gracili apteris) pinnato-3—5-pariitis, segmentis cuneiformibus 3—5-fldis, lobis oblongis obiusissimis; scapo simplicissimo nuco; involucro parvo 1—2-phylo aut nullo; involucello dimidiato e phyllo unico palmato-3—5-flo; radiis umbellulae fructu didymo brevioribus; mericarpis laevigatis 18—20-vitaiis, jugis obsoletis. — Crescit in republica Texana.
- *^T. T. CODLTERI Gray & Harv. mss. Bost. Journ. of nat. hist. VI. 211. adnot. — Breviter caulescens: foliis ternati__quinaiisecti?, subtusglaucescentibus, segmentis ovalibus, basi *ubcordatis cuneatisve, saepius trilobatis duplicalo-dentalis, dentibus mucronalis; involucro et involucello e phyllo unico lineari integerrimo aut nullo; radiis umbellulae fruci plus duplo longioribus. — Crescit in republica Texana.

4515. OSMOBRHifcA *Raf.*

(DC. Prodr. IV. 232. - Wlprs. Repert. II. 423. Annal. I. 386, ft 980.)

- ¹*⁰. LONGISTYLIS DC. 1. c. no. 1.—Wlprs. Repert. 1. c. no. i—Torr. Flor. of New York I. 281. f tab. 38.

Tribus XVII. SMYRNEAE Koch. — DC. 1. c. 238.

4521. PITCSOCYCIiA *Royle.*

(Wlprs. Repert. II. «M. V. 911.)

- ⁱ% ?*^{ABY} SSINICA Höchst. mss. ex A. Rich. Tent. fl. Abyss. I. 937. ^ Radice p«renni; ¹*¹ foliis inferioribus longe peiolatis, basi dilaiata amplexicaulibus trifurcatis-divisig, ^vdivisig ^sonibus linearibus teretibus glabris: caule erecto 1—2-pedali gracili, parce ramoso.

tereti pubenti, fere nudo seu foliis enulinis destitute*; umbellis ternoinalibus floribus albido-roseis densis et quasi capitulum *Scabiosae* efformantibus; umbellae radii numerosis brevibus griseo-tomentosis, umbellularum pedicellis brevibus inaequalibus. externis longioribus; involucri polyphylli foliolis linearibus radios fere aequantibus tomentosis; involucellorum foliolis lanceolatis acutis inaequalibus; petalis inaequalibus, externis majoribus, internis obovatis fassis bilobis, ligula lineari subulata inflexa hirta colorata, a basi petali enata; fructu fertili centrum umbellulae occupanti ovoideo-oblongo, limbo 5-dentato terminato tomentoso, ulrinque 5-jugo, saepius monospermo. — In Abyssiniae provinciis Chire & Ouodgerate.

4522. ECHESTOPHORA *Tournef.*

(DC. Prodr. IV. 234. — Wlprs. Repert. V. 912, Annal. I. 980.)


1. E. ANATOLICA Boiss. ft Helder. Diagnos. plant, orient, nov. X. p. 56. f — Tota sub lente indumento brevissimo velulino subpulverulento obsita: caule sulcato obtusangulo tortuoso, superne ramosissimo in paniculam rotundajo-corymbosam abeunti; foliis bipinnatisectis, petiolo piano basi in vaginam amplexicaulem dilatato suffultis, laciniis linearibus canaliculatis in spinam abeuntibus; involucri involucellique phyllis lanceolatis spinoso-acuminatis, facie superiori planis, inferiori carinatis, hisce flores superantibus; petalis albis parum radiantibus, dorso brevissime pulverulento-velulinis; fructu. . . . ? — Crescit in collibus arenosis Anatoliae interioris, in Pisidia ad Isbarta.

4525. CACMRIS *Tournef.*

(DC. Prodr. IV. 236. — Wlprs. Repert. II. 424. V. 914.)

1. G. GONIOCARPA Boiss. Diagnos. plant, orient, nov. X. p. 53. f — Glaberrima: caule elato tereti striato striate ramosissimo: ramis corymbosae subtrichotomis; umbella centrali brevius, lateralibus longius pedunculatis; foliis omplis supradecompositis petiolo piano suffullis, laciniis tenuiter et longissime linearibus flexuosis plicatis; umbellis 8—14-radiatis; involucri involucellique phyllis lineari-setaceis elongatis; fructu ovato* rotundo, a latere subcompresso obtusissimo, apice depresso; stylis stylopodio depressissimo triplo longioribus; mericarpiis valde spongiosis hemisphaerico-peniagonis, jug¹⁸ acutis apteris, valleculis planiusculis. — Crescit in arvis fertilibus Palaestinae lioralia circa Asdod et Ramla.
2. G. ABYSSINICA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 333. — Caule erecto bipedali tereti glauco glabro laevi aut vix siriato; foliis petiolatis (petiolo dilatato - marginato - branaceo subvaginataeformi siriato, basi tantum amplexicauli) decomposito-pinnatisectis* segmentis linearibus teretibus dichotomis, apice rigide acutis glabris; umbellae teimK nalis radii's crassis rigidis tomentosis inaequilongis, umbellularum pedicellis brevioribus inaequilongis; involucri foliolis radios aequantibus obovatis-oblongis obtusissimis albis striatis, margine tenuioribus dense puberulis; involucellorum foliolis obovatis-oblongis acutis apice longe acuminatis; fructibus oblongis dense albido-tomentosis* stylopodio crasso conovo bipartito terminatis. — In Abyssinia.

.4525/x. HIPPOBATIIBUM *Ink.*

(Lnk. Emmerat. pi. hort. Berol. 1. 217. - Wlprs. Repert. V. 914. — *Cachrydis* 
Aegomarthrum DC. Prodr. IV. 237. — Wlprs. Repert. II. 424. no. 3. ft *)

1. H. CRASSILOBUM Boiss. ft Helder. Diagnos. plant, orient. *ov. X. p. 54. f — Fructu
brun; caudibus crassis striatis ramosissimis; ramis subaogulatis; foliis

amplissimis, petiolo angulato crasso, basi canaliculate, suffultis triternatisectis, costis laciniisquo duris, hisce longissimis lanceolatis rigidis acutis subpungentibus planis, facie superiori margine subrevolutis, inferior! acutiuscule 2—3-costatis, foliorum caulinarum breviorum laciniis paucioribus; foliis supremis sessilibus indivisis lanceolato-linearibus pungentibus; umbellis nullis subac^ualiter 3—5-radiatis, radiis rigidis; involucri phyllis 5 brevibus lanceolatis aculis, involucelli sessilibus pedicellis brevioribus; petalis pallide luteis, dorso puberulis; ovario sphaerico papillis albis, basi lalioribus elongatis dense obsito; dentibus calycisg^angularibus obtusis; stylopodio lato patellari margine undulato, stylis brevibus superato. — Crescit in campis Pamphyliæ prope Uinas urbis Pawa.

4525/a. ACAHTTHOPL, ECRA C. Koch.

(G. Koch in Schlichtd. Bot. Zeit. VII. 408.)

Involucra utraque polyphylla. Calyx quinquedenlatus. Petala obovata in unguem attenuata, ex apice incurva. Acheniorum ex dorso compressorum late oblongorum juga primaria quinquealata, duplici serie setarum instructa, secundaria major a, undulata, simplici serie setarum obsita, ficutae dorsales quinque, jugis secundariis tectae, commissurales 2 super-J'ciales, carpophorum usque ad basin partitum; semen facie planiusculum, ex marginibus paululum curvulum.

* *A. INVOLUCRATA C. Koch 1. cit. — *Cachrys involocrata* Pall. — DC. Prodr. IV. 238. no. 9. — Roem. & Schult. Syst. veget. VI. 447. — *Laserpitium*. Trevir. mss. — Crescit in Persia.

4526. FRANCOS Lindh

(DC. Prodr. IV. 239. — Wlprs. Repert. II. 425. V. 915.)

1. * P. ASPERULA Boiss. Diagnos. plant. oriental, nov. X. p. 54. f — Caule glabro elaiote ramosissimo; ramis elongatis opposite subvericillatim corymbosis; umbella ceteri majori feraciori brevius pedunculata; foliis araplissime supradecompositis papillis brevibus albis pellucidis undique asperulis, petiolis costisque striato-subangulatis, laciniis anguste linearibus acute planiusculis rigidulis; umbellis 10—12-radiatis, involucriline involucellique phyllis parvis lineari-setaceis tortilibus; petalis aureis hispidulis; pedicellis fructiferis acute angulatis vix incrassatis, fructu paulo brevioribus; fructu oblongo stylopodio cupulari depresso stylisque stylopodio duplo longioribus coronato. ttiericorpiis quinquealatis, alis grosse et valde undulatis rubellis, seminis diametro 2 p³ S³ J³ i³ o³ bug. — Crescit in collibus circa Rascheya Antilibani.

* <. PESTALOZZAE Boiss. 1. c. 55. f — Gollo radice denso fibroso; caule nano 2—4 umbellas pedunculatas edenti, praesertira inferne pilis crispulis albis lanato; foliis petiolo brevi canaliculate* dilalato suffultis, ambitu ovntis bipinnatisectis, costis pilis sparsis crispis obsitis, segmentis minimis glabris subrotundis, secus costas secundarias sessilibus oppositis. inter se subdistantibus, in lacinulas lineares abbreviatas teretiusculas acutas confertissimas mini mas multifldis, foliis caulinis ad vaginam canaliculatam brevem hirsulam. apice lacinulaiam reductis; umbellis 5—8-radiatis; involucriline involucellique phyllis lanceolalo-linearibus cillatis. demum deciduis; petalis. fructu ov&to pedicello sublongiori. stylopo^o cupulari depresso stylisque stylopodio triplo longioribus superato; mericarpiis a basi ad apicem alis 5 sub undulatis, margine denticulatis obsitis. — Crescit in montibus circa Elmalu Lyciae.

3. P. PAUCIRADIATA Boiss. ft Hohen. 1. c. 55. j. — Glabra: radice tenui vertical!; collo Petiolis ve lust is vestito; caule, tenui erecto, superne in 2 — 3 ramos strictos totidem

umbellas gerentes diviso, (pin* radicalibus glaucescentibus, peliolo longiusculo bnsi dilataio suffultis, ambilu pams brevitoi oblongis pinnaiiserus. scgmcnlis 5—7 sessilibus oblongis, infeiioubus remoimsculis, omnibus iterum subbipinnaiiparlilis, laciniis. oblongo-hnceolaiis acutis, vaoms ad dichotomias brevibus in lacinulas paucas pinnatisectis, umbcllis. 4—5-radidlis involucln imoluccllique phyllis Imfanbu;, acummatiss fere omnino membianaceis, hisce pedicclu* paulo breuonbus, pelalis flams glabris, apice involutis, iructibus (junionbus) ovatis. stylopodio cupulau stylis deflexis eo longionbus coionato superatis, mencarpns 5-alatis^alleculis inler alas papiUis albis cylindncis crebns obsitis. — Crescit in monte Duderck jugi Llbis m Persia.

4526A. MEMOCARPUS Boiss.

(Wlpm Report V 918)

- 1 M MK ROPARPUS Boiss Du^nos phnt oupnt nov X p 53 + — Foliis infciiioiibiis bipinnausi cLis 4—5-jugis ptliolo bievi vagiiianu coslisque margine lacvibus-, divisionibus mlimis peulolulatis scgmcnlis oblongo-lanceolatis aculiiiscule crenulatis 'foliis (nliin>> iriinonbus pnnaliscctis, involucln involuccllique phylls oblongis acutis, fiuclu pidiccllo co sc&quilonion sulTulto parvo oblongo, alis dor&alibus crassiusculis angustionbus in utroque mencaipio saepiu^ numero dissimilibus solilarus vel bims, lalerallibu^ lationbus, ad basin lelusam fiuclus mimie anguatatis, albumine usque ad V* pcnorpii jnducto — Ciescit in Suiia.
- 2 M PI DU\CULARIS Boiss 1 c 52 f — Foliis pnmoidalibus oblongis, basi coidatis indivibis vel tcinatis, lobis ovatis sessilibus, lermlnali majori, radicalibus peliolo complanato plicato valde slualo maigine denticulato sulTuU^, bipinnati&ectis, segmenlis oblongis obtu!>is sessilibus vel ba*i bievider atlcnuatis, omnibus oblusissnae crenatis angustequo albo-maiginatib, foliis caulinis infenonbus snnplicitci pinnatiseciis, summis ad vaginas reduclis, umbcllis longiSMme radians, involucln involuccllique phyllis brenter lanceolatis acuniinalis vindibus, peduaculis fructifcns contractis fiuctu elliptico 2—3-plo longioiibiib, jugis icinubus alaMs, alls dorsahbus anguslionbus in utroque mencaipio numeio dissimilibus 1— 2—3-nis veii>us basin fiuctus attenuate, niarginalibue> latis ad basin lrucius subictusis, albumine poncaipio dunidio brevion — Crescit in dumosis legioms monlnnae montium mtei Laodiceam et Suadieh sitioium in Syria boieah, ad radices, oueniales monlis Cassii copio^us.

4541A. SJttYRHTIOPSIS Boiss.

(Wlpis Repert. V. 922)

- 1 SM SYRIACA Boiss) Diagnos plant orient nov X p 51. f—Caule clatissimo glabrO vcrlicilhlum et longe ramoso, lamis distanter et veiticillalim raraulosis, pamculas eloiH galas thyrsoideas foimantibus, foliis amphssimis, ambitu late ovatis tupinnaliscelfo; segmenlis ses&ilibus ovato-cuneati», latere exteuon saepe breviter decuri enjibus cir cumcirca grosse serratis peliolis petiolulisque papillis sparsis brevibus conicis duria asperulis, foliis lamealibus ad dichotomias terms quaiernisve subverticillatis subseae lilm pnnaiibcctib \cl luscctia, &cgmcniis oblongo-spatbulatis, ba^i longe cuneatis, apice acute seriatis, foliis summis ad foliola 2—4 oblonga, basi attenuata in tegu rima flavida leductis, umbellia ad lamuloruin apicem bublern^, intermedia longius pedunc hia, involuclu involuccllique plijllis 3—5 lancēolato-acuminate flavidis abbreviat sijlopodio depresso-cornco, apice bifido, margine lobulalo ciicumccto, stylis deflexo longionbus superalo, fiuctu » — Ciescit in umbrosissimis rupium Arabiam intci /cbdani et Zacle et in ugiouc supcrion nionlis Cassu.

4543/a. DEWEYA Ton. *if Gr.*

(Wlprs.-Repert. V. 922.)

- f. ^.? sp. nov. Biuli. Plant. Harlw. 312. no. 1748. — Tn monlibus Sacramento Californiao. — Fructus nondum maiurus et genjjs incertum. Generis *Deweyae* forte species nova, a specie Nuttaliana autem evidenter differt foliis multo magis disseclis, umbellae radiis elongatis, invojucollis elongatis foliaccis. An *Archangelicae peregrinuc* Nutt. affinis?

Ordo CV. ARALIACEAE *jw\$.*0*11. Prodr. IV. 251. & 670. - Wlprs. Repert. II. 429. & 939. V. 921, **Annal. I. 357. & 961.**)

4550. PAITAX Linn.

(DC. prodr. IV. 252. & 670. — Wlprs. Repert. II. 429. fit 939. V. 924, Annal. I. 357.)

1. ^p. PINNATUM A. Rich. Tent. fl. Abyss. I. 335. f — Canle subarborescente; ramulis horbaceis, cicatricibus foliorum deiapsorum noiatis floccoso-tomentosis; foliis in apice noium congeslis paiipinnatis longe petiolatis, sacpius 5—7-jugis, foliolis oppositis petiolulatis ovali-oblongis 9cutis, basi subcordatis, margine integris, glabris subbaucis, pctiolo tereti glabro fere pedali basi dilatato; umbellulis numerosis in rnce-^mosis siqipii^{ces} ad apicem ramulorum conge9tos floccoso-lanalis dispositis; petalis sessibua ovali-oblongis acutis; ovario striato glabro; disco conico crasso; stylis 2 brevissimis; ovario biloculari; fructibus...? — *Aralia yinnata* Hochst. mss. — In Abyssinia ad fluvium Taccaze".

4552. CUSSO1YIA Thnbrg.

(DC. Prodr. IV. 255. — Wlprs. Repert. II. 430. V. 925.)

1. ^c. ARDOREA Hochst. rass. ex A. Rich. Tent. A. Abyss. I. 356. 1. 56. - Caule orborecente; ramulis incrassatis cicatricibus foliorum deiapsorum notatis; foliis longissime petiolatis. limbo fere usque ad basin digitato-5-partito. lobis obovali-oblongis, basisen-^{slm} angustatis, apice longe et acutissime acuminatis. margine obsolete et obtuse serratis, superne scabrellis, subtus praeserlim in nervis subferrugineo-tomentosis; floribus f^e silibus polygamis in rhachi crassa 3-6 uncias longa tomentosa spicatum dispositis; ^Ulimbo calycino obsolete 5-dentato coronatis glabris, ^{Pyrenis} pyrenis laevibus chrtaceis. - Habitat in Abyssinia provinciis lihirci & Semiene.
- * ^c. UMBELLIFERA Sonder, Linnaea XXIII. 49. f - **Fplils** subquinis, foliolis longe petiolatis oblongis, basi cuneau's undulato - serratis integerrimisve, apice emarginatis Ktaberrimis, supra lucidis; umbellis terminalibus proliferis paniculatim dispositis; urn-^{bel} lulis multiiradiatis; ovario tiirbinato. slylis 2 brevissimis; fructu subrotundo. — *C. Vanir*^{Me} ^{sg}. — Naln^{lbay}.

4558. *ARALIA* Linn.

(DC. Prodr. IV. 257. — Wlprs. Reper. II. 430. 8c 939. V. 925, Annal. I. 358.)

1. *A. HYPOLEUCA* Prsl. Epimeliae boianicae pag. 250.f — Arborca (?): petiolis pedunculisque basi aculeis brevibus rectis sparsis armatis; foliis bipinnatis, pinnulis breviter petiolulatis ovalis acuminatis, remote mucronulato-serratis glaberrimis, subtus albidis, basi subacqualibus; panícula ramosissima glaberrima; floribus umbellatis. — *AfQnis A. spinosae*. — Habitat in insula Luzon provincia Albay et Tayabas.
2. *A. ADYSSINICA* Hochst. *mas.* ex A. Rich. Tent. fl. Abyss. I. 336.— Caule subarboresco; foliis longis petiolatis digitato-7-foliolatis, foliolis longe petiolulatis obovatis longe et abrupte acuminatis, basi oblongis et subtruncatis, margine obsolete denticulatis glabris, subtus tenuissime reticulatis; umbellulis pedicellatis, racemos elongatos in apice ramulorum aggregatos et tormantibus; petalis semiellipticis sessilibus, apice agglutinatis; stigmatibus saepius 6—7 in flore approximatis; fructibus carnosissimis limbo calycino marginato et stigmatibus divaricatis coronatis, 6—7-pyrenis. — In Abyssinia circa Adoua.
3. *A. FARINOSA* Delil. mss. ex Ferret et Galinier, Voyage en Abyssinie HL. p. 135. no. 72. — Caule arborescente; foliis pinnatis glabris 7—9-jugis cum impari, foliolis e basi cordata sensim angustatis lanceolatis, jugis inferioribus majoribus; florum paniculis amplis; tomento per glomerulos subaxillares sparso ad exitum ramulorum paniculae ramulorumque et petiolulorum. — Habitat in Abyssinia.

f Icon addenda.

A. NUDICAULIS L. — (DC. 1. c. no. 1.) — Torr. Flor. of New York I. 285. f tab. 40.

4560. *HEDEBA* Linn.

(DC. Prodr. IV. 260. & 670. — Wlprs. Reper. II. 431. V. 926, Annal. I. 358.)

1. *H. HYPOGLAUCA* Hance, Diagn. pi. nov. Austr. Chinens. inedit. II. 5. — Diffluso-scandens inermis glaberrima: caule angulato; foliis pinnatis bijugis cum impari, foliolis ovalis vel ellipticis, apice acuminatis, basi obtusis vel cuneatis, parvis inflexis et foliolo terminali basi aequalibus, parvis superioribus inaequalibus vel aequalibus coriaceis remote paucis serratis, supra lacte viridibus lucidis, subtus opacis caesio-glaucis, minute et crebre pellucido-punctatis, petiolatis, petiolulo terminali contiguos laterales 4—6-plo excedente, inferioribus parum superante; paniculis corymbiformibus bracteatis laxè plurifloris; pedicellis ternis, calycis campanulati limbo obsolete; petalis liberis expansis, margibus apicem versus paulo inflexis albido-virentibus; staminibus 5; stylis acutissime cohaerentibus stylum simplicem simulantibus; baccis depresso-turbinatis subsulcatis minute verrucosis albidis, magis minusve intense roseo-coloratis, visu sed revera 2-ocularibus, loculis dispersis. — Proxima videtur // *Lachenaultii* W. fit *AJ*** Folia pellucido-punctata affinitatem *Araliacearum* cum *Myrtacets* monstrant. — **Habitat** in insula Hongkong Sinarum.

4561. *PARATROPIA* DC.

(DC. Prodr. IV. 265. — Wlprs. Reper. II. 433, Annal. I. 359.)

1. *P. HETEROPHYLLA* Prsl. Epimeliae botanicae pag. 250. f - Arborea (?): foliis pinnatis bijugis, summis simplicibus pinnisque petiolulatis ovato-oblongis acuminatis **late**

gerrimis, basi acutis inaequalibus; umbella terminali composita ferrugineo-Ieprosa. — Habitat in Malacca.

2. P. CUMINGIANA Prsl. 1. citr + — Arborca (?): foliis pinnatis quadrijugis, plnns distantibus longiuscule petiolulalis, breviter cuspidato-acuminatis integerrimis, inflmis ovatis, superioribus ovato-oblongis, basi acutis; paniculae glaberrimae ramosissimae rarais spnrsis oppositis verlicillatisque; floribus umbellatis; stigmatibus duobus'conniventibus, demum in fructu divaricntis. — Habitat in insula Mindoro Philippinarum.

t C*enu§ exclusum.

4564. MIQUELIA Meisn. ad MENISPERMACEAS relata cst, Cf. supra pag. 22.

Ordo CVI. HAMAMELIDEAE fl. *Br. hoc loco delendae jam supra post RHAMNEAS (pag. 272 — 276) enumerabantur.*

Ordo CVH. CORNEAE DC.

(DC. Prodr. IV. 271. ft 670. — Wlprs. Report. II. 435. V. 932. Annal. I. 359. ft 982.)

4573. BEWTHAMIA Lindl

(Wlprs. Reper. II. 435.)

*. *B- FRAGIFERA Lindl. — Wlprs. Reper. 1. c. no. 1. — Wght. Illustr. of Ind. bot. II. ^{ta}b. 122. A.

4574. CORPUS Tournef.

(DC. Prodr. IV. 271. ft 670. [ex p.] — Wlprs. Reper. II. 435. V. 932. Annal. I. 359.)

- C. (*Thelycrania*) BRACHYPODA C. A. Meyer. Memoires de l'acad. de St. Ptrsbrg. (6- Ser.) Sc. natur. V. 222. f — Foliis oppositis late oMongis subellipticis acupiinatis, basi attenuatis, subtus tuberculatis glaucis. setis brevibus sparsis adpressis bipartitis scabris adspersis, nervis lateralibus utrinque octonis: cyma panjculata subglabra, pedicellis ovario brevioribus; calycis dentibus disco depresso (cyathiformi) longioribus ^{Ov}aiis; stylo apice la&vi clavato; nuce. . . . ? — *C. alba* Thnbrg. Flor. Japonic. 63. (Cf. ~~CP~~ syn. ?) — Species bene distfocta, *C. anstrali* C. A. Mey. ft *C. sericeae* Linn. (Cf. ~~Wl~~prs. Reper. V. p. 933. ft 934. no. 8. ft 10.) afftnis. — In Japonia.

f **Icon addenda.**

- c- PANICULATA He"rit. — (DC. Prodr. IV. 271. no. 2.) — Torr. Flor. of New York I. *B. t tab. 41.
-

Ordo CVIII. LORANTHAGEAE *Lindi.*

(IK., Prodr. IV. 277. tt 670. — WJpis. Report. II. 436. a 940. V. 935, Annal. I. 360. ft: 982.)

4583. AKCEITHOBIIM *M. Biel).*

(Wlprs. Reprt. II. 437. Annal. I. 361.)

1. A. AMERICANUM Nutt. mss. ex A. Grny, Boston journ. of nat. hist. VI. 214. adn. — Caulo ramisque fnsiculatis teretibus grncilibus patulis; squamis truncatis in vaginulas dilatatas cupuliformes connatis; floribus masculis axillaribus terminalibusque nee spicatis. — In America boreali (Oregon) in Pinibus.
2. A. CAMPYLOPODUM A. Gray 1. c. — Ramis opposiis seu dichotomis compresso-quadrangulatis; squamis truncatis breviter cuspidatis in vaginulas subcylindricas cupuliformes connatis; floribus axillaribus terminalibusque plerumque in spicam simplicem seu compositam aggregatis, masculis singulis vel binis ternisve, foemineis in quavis axilla singulis; baccis exserto-pedicellatis palulis seu recurvis.
 var. a. *macrarthron* • caule compresso vix angulato; ramis plerumque gracilioribus, articulis magis minusve elongatis; floribus foemineis 6parsis et in ramulis brevibus paucis seu in spicas simplicis aggregatis.
 (5. ? *brachyarthron*: caule toicii robusto; ramis robustis, articulis abbreviatis diametro vix longioribus; floribus foemineis in spicas densas compositas aggregatis. — Crescit parasiticum in America boreali.
3. A. CRYPTOPODIUM A. Gray 1. c. 214. adnot. — Caule ramisque acute quadrangulatis robustis, articulis brevioribus; squamis truncatis in vaginulas cupulatas connatis; floribus in spicas densas compositas congestis, foemineis ovatis in quavis axilla singulis; baccis brevissime incluso-pedicellatis ereclis. — Crescit ad Slam. Fc parasiticum in Pinibus.

4583A. PHOKADETOROIV *Nutt.*

(Nutt. mss. Bost. Journ. of nat. history VI. 212. adn. — *Spiciviscum* Engelm. mss.)

Flores dioici globosi. Fl. masc: Perianthium 3-(raro 2-seu 4-) lobum, antherae loborum basi adnatae transversae biloculares, poris seu rimis verticalibus duabus dehiscenles. Fl. foem.: Perianthium 3-(raro 2-seu 4-) lobum. Ovavium inferum, tubo adnatum uniloculare, **ovulo** unico pendulo. Sligma sessile, magis minusve bilobum. Dacca globosa pulposa semipellucida monosperma, perigonio persistente coronata. — Frutices Americani.

* *Folwsa.*

1. PH. FLAVESCENS Nutt. mss. ex A. Gray. Boston Journ. of nat. hist. VI. 212. adn. — Ramis terciibus; **foliis** oblanceolatis obavalis, nunc orbiculatis obtusis in petiolum brevem attenuatis uinerviis; spicis masculis subverticillalis, folium aequantibus, **aril***

- culis 4—5, 15—35-lion's, foemineis suboppositis folio brevioribus, articulis 3—4, 4—10-floris; floribus depresso-globosis annulato-carinulis ciliatis subtrifidis.
- var. *glabriusculum*: foliis oblanceolatis seu obovalis Irinerviis in petiolum sensim attenuatis glabris, ramis junioribus puberulis.
- (3. *pubescens*: foliis ut in a, sed puberulis. ramulis canescentibus,
- y. *orbiculatum*: foliis obovalo-orbiculatis in petiolum brevem abrupte contractis vix irinerviis subpubescentibus. — Crescit parasiticum in Quercubus Americae borealis.
2. *PH. (VISCUM DC. Prodr. IV. 670. no. 35a.) TOMENTOSUM Null. mss. 1. c.
3. PH. VILLOSUM Nutt. mss. 1. c — Tomentosum: ramis terebintibus; foliis oblanceolatis seu spatulatis oppositis in petiolum brevem attenuatis, obscure irinerviis seu subnerviis; spicis foemineis oppositis seu verticillatis abbreviatis 2—3-articulatis; bracteis truncatis; articulis brevibus, inferiore 6—8-floro, superiore bifloro; floribus depresso-globosis annulato-carinatis puberulis trifidis. — Crescit parasiticum in Quercubus in America boreali.
4. MI. LANCEOLATUM A. Gray. Plant. Fendler p. 59. adnot. f — Glaberrimum: ramis terebintibus. foliis lanceolatis elongatis subfalcatis obtusiusculis in petiolum brevissimum sensim attenuatis 3—5-nerviis; spicis masculis folio brevioribus; bracteis triangularibus connatis, articulis 8—18-floribus immersis globosis 3-(nerviis-4-) Jobis. — » republica Texensi (Live Oak).
5. MI. OIHUCULATUM A. Gray 1. c. f — Rapiis terebintibus; foliis orbiculatis seu obovalo-orbiculatis breviter et abrupte petiolatis indistincte irinerviis pubescentibus, demum glabris; spicis folio brevioribus puberulis. — Crescit in republica Texensi.

••• *Squamala.*

- MI. CALIFORNICUM Nutt. mss. 1. c. 213. adn. f — Glabrum: ramis elongatis striatis glandulosis terebintibus; squamis ovato-lanceolatis patentibus, basi connatis tenuiter obovatis; spicis foemineis lateralibus oppositis 3—4-floris; floribus globosis trifidis glabris in quovis articulo singulis seu binis, cupulae ciliatae immersis; spicis fructiferis cloneis; baccis globosis. — Crescit in California parasiticum supra arboros (Prosopis).
- MI. JUMPERINUM Engelm. mss. ex Gay 1. c. 58. f — Glabrum: caule articulato divaricato ramosissimo ramisque terebintibus ramulisque compressis; foliis squamiformibus connatis truncatis vix cuspidatis pelviformibus breviter ciliatis; spicis foemineis terebintibus oppositis abbreviatis bilobis; floribus bractea inferiore majore et duabus bracteis in cupularo connatis ciliatis fullis, globosis. 3- vel rarissime 4-lobis, — Rescitur parasitice in America boreali in Juniperis.

4584. VISCUM *Tournef.*

(DC. Prodr. JV. 274. & 670. — Wlprs. Repert. II. 437. V. 936. Annal. I. 361.)

- *^v NERVOSUM Hochst. mss. ex A. Rich. Tent. tt. Abyss. I. 338. f - Caule lignoso ramoso luteo tereti; ramulis angulatis (an siccaione?) glabris; foliis subsessilibus subacutis. rarius obtusis. coriaceis; basi 3-nerviis, margine eubundulatis glabris; floribus dioicis parvis, cymas plures axillares breves 3-floras efformantibus; bracteis basin florum minimis obtusis; fructibus ovoideo-oblongis laevibus subdiaphanis. — In Abyssinia prov. Tigre. parasitice in diversis arboribus.
- *⁸ TUBERCULATUM A. Rich. I. c. f - Caule lignoso ramoso tereti glabro; ramulis subangulatis; **foliis** obovato-oblongis obtusissimis coriaceis crassis, margine integris, sensim attenuatis et petiolatis. subtus basi 3-nerviis, glaberrimis; floribus monoicis sessilibus axillaribus, basi bracteis binis obtusis stipitis, solitariis aut geminis; baccis pisiformibus ovoideis tuberculatis. — In Abyssinia, parasitice supra ar-

3. V. THYMIFOLIUM Prsl. Epimeliae bot. pag. 251. f -* Ramulis alternis opposiisque nutangulis; foliis oppositis sessilibus ovalis mucronulnis, sublus trinerviis, basi aculis; capitulis axillaribus sessilibus bi — sexfloris solitariis; floribus focmineis quadrifidis; ovario oblongo. — Habitat ad Capul bonae spei.
4. V. LINIFOLIUM Prsl. 1. c. f — Ramis ramulisque alternis oppositisque teretibus; foliis oppositis allernisque lineari-lanceolatis acutis mucronatis, in petioluin brevem angustatis. praeter costam sublus prominulam obscure pfnnatinerviis; capitulis axillaribus pedunculatis trilloris solitariis; floribus focmineis quadrifidis; ovario globoso. — Habitat in Mexico.
5. V. GLOBULIFLORUM Prsl. 1. c. f — Ramis ramulisque oppositis compressis, acute ancipitibus, utrinque tristriatis; foliis oppositis ovato-lanceolatis mucronulatis enerviis in petioluin brevem angustalis; capitulis axillaribus sessilibus globosis solitariis; floribus foemioeis Hindis; ovario globoso bracteeae cupuliformi semiimerso. — Habitat in montibus Huanoccensibus Peruviae.
- G. V. MICROSTACHYUM Prsl. 1. c. p. 252. f — Ramis teretibus striatis; ramulis oppositis tetraquetris, basi breviter vaginatis; foliis oppositis oblongo-lanceolatis obtusis quinquenerviis. in petioluin brevissimum angustalis; spicis axillaribus solitariis cylindricis petioluin superantibus; floribus vaginula tfinarginatu utrinque obtusa immersis. — Habitat in Brasilia ad Rio de Janeiro.
7. V. CRASSULOIDES Prsl. 1. c. p. 252. f — Ramis ramulisque oppositis teretibus; foliis oppositis obovato-subrotundis enerviis, in petiolum angustalis; spicis foemincis axillaribus solitariis folio duplo brevioribus uni—biarticulatis, articulis globosis; bracteis connatis cupulaeformibus ciliolalis; calyce marginiformi elevato; corolla trifida. — Habitat in montibus Huanoccensibus Peruviae.
8. Y. PORTULACOIDES Prsl. 1. c. + — Ramis ramulisque oppositis teretibus; foliis oppositis obcordatis enerviis in petiolum angustatis; spicis masculis axillaribus solitariis binisve ternisve foliis longioribus aequantibusque arcuato - reflexis uni — biarticulatis, articulis floridis cylindraccis. basi floriferis; bracteis connatis cupulaeformibus; florum bifidis rarissime quadrifidis. — Habitat in republica Ecuador.
9. V. LIGUSTRIMUM Prsl. 1. c. 252. f — Ramis simplicibus oppositis teretibus; foliis oppositis sessilibus ovatis lanceolatisque obtusis septemnerviis obscure venosis; spicis foemineis axillaribus solitariis sessilibus cylindricis folio duplo brevioribus; bracteis ovatis patentibus; floribus quadrifidis immersis; stylo corollam aequante. — Habitat in Mexico.
10. V. CORDIFOLIUM Prsl. 1. c. p. 253. f — Ramis teretibus ramulisque ancipitibus oppositis; foliis oppositis sessilibus cordato-ovalis obtusis septemnerviis obscure venosis; spicis foemineis axillaribus solitariis binisque pedunculatis cylindricis folio brevioribus longioribusque; bracteis somiorbiculatis concavis horizon talibus, bracteolis lateralibus. oppositis, infra marginem em cavitatis pro flore recipiendo insertis; floribus trifidis immersis; bacca ovali-globosa exserta. — Habitat in Panama.
11. V. ODLIQUUM Prsl. 1. c. f — Ramulis tetragonis, basi medioque vaginas breves bilobas obtusas gerentibus, apice foliiferis; foliis oppositis petiolatis securiformibus obliquis acutiusculis enerviis crassis, basi in petiolum latum angustalis; spicis axillaribus solitariis sessilibus cylindrico - moniliformibus articulatis, folio duplo triplove brevioribus; bracteis cupuliformibus medio minute emarginatis, articulis ovalibus; floribus foemineis trifidis semiimmersis. — Habitat in Mexico?
12. V. CORNIFOLIUM Prsl. I. c. p. 254. f — Ramis ramulisque teretibus oppositis; foliis¹ oppositis brevissime petiolatis ovato-ellipticis obtusis obscure pinnatinerviis, basi aculis; spicis axillaribus binis ternisve quaternisve sessilibus linearibus articulatis, folio¹ duplo brevioribus; bracteis cupulaeformibus obtuse bilobis; floribus foemineis trifidis subsemiimmersis. — Habitat in Mexico.

13. V. SALICIFOLIUM Prsl. 1. c. f — Ramis teretibus ancipitibus, ramulis tetraquetris; foliis oppositis breviter petiolatis oblongo-lanceolatis obtusissimis in petiolum angustatis trinerviis (obsolete quinquenerviis); spicis axillaribus binis (rarissime ternisve subsessilibus linearibus articulatis, folio duplo brevioribus; bracteis cupulaeformibus subrepandis; floribus foemineis trifidis subseraiimmersis; baccis globosis. — Habitat in republica Ecuador ad Quito.
14. V. CHRYSOSTACHYUM Prsl. 1. c. f — Ramis ramulisque oppositis compressis ancipilibus, supra basin vaginulatis; foliis oppositis lanceolatis obtusis, in petiolum brevem angustatis trinerviis (obsolete quinquenerviis); spicis axillaribus solitariis subsessilibus lineari-clavatis apiculatis quadrangulatis articulatis, folio tri — quadruplo brevioribus; bracteis cupulaeformibus truncatis; floribus foemineis trifidis semiimmersis. ~ Habitat in montibus Huanoccosibus Peruviae.
15. V. LAURIFOLIUM Prsl. 1. c. p. 255. f — Ramis ramulisque teretibus oppositis; foliis oppositis subsessilibus oblongo-lanceolatis pinnatinerviis obtusis, in petiolum angustatis; spicis axillaribus solitariis ternisve linearibus sessilibus articulatis, articulis obovatis; bracteis cupulaeformibus acute bilobis; floribus foemineis trifidis semiimmersis. — Habitat in Mexico, in regione temperata.
16. y. CUMINGIANUM Prsl. 1. c. f — Ramis ramulisque teretibus oppositis; foliis oppositis petiolatis lanceolatis obtusis aut obtusiusculis, utrinque angustatis trinerviis (obsolete quinquenerviis); spicis axillaribus solitariis binisve ternisve pedunculatis linearibus articulatis, folio duplo triplo brevioribus, basi saepe monoid's, articulis teretibus; bracteis cupulaeformibus truncatis; floribus oppositis solitariis sessilibus, foemineis trifidis; ovario ovali baccaque obovata transverse rugoso. — Habitat in insulis Philippinis.
17. V. HELFERI Prsl. 1. c. 256. f — Ramis ramulisque teretibus oppositis, basi vaginulatis; foliis oppositis subsessilibus obovato-cuneatis obtusissimis retusis in petiolum longissime angustatis, basi quinquenerviis, medio venosis; spicis axillaribus solitariis folium subaequantibus linearibus articulatis pedunculatis, articulis teretibus; bracteis cupulaeformibus truncatis; floribus foemineis oppositis sessilibus binis ternisve trifidis; ovario ovali. — Habitat in Martabania ad Moulmine.

4584/. IAJJtTHORUS Prsl.

(Prsl. Epimeliae botanicae pag. 256.)

Calycis tubus cylindricus, cum ovario connatus, limbus brevissimus ~~obsolatus~~ ^{ue} quinquedentatus. Corolla pentapetala, basi globoso-inflata ~~fan~~ ⁱⁿ in alabastro apice globoso-clavata; petalis lineari-lanceolatis ^{ff} ^{is} ^a cutiusculis aequalibus, basi dilatatis bialatisque. Stamina quinque, filamentis medio petalorum insertis, antheris ovalibus adnatis. Ovarium uniloculare uniovulatum. Stylus corolla brevior, infra medium articulus, articulo inferiore brevior quadrangulo, superiore longiore tereti ^{en} ^{ui} ^{ore} stigma subglobosum. Bacca cylindrica, calycis limbo coronata ^U ^{ocularis} monosperma. — Frutex insularum Philippinarum parasiticus ^{si} ^{aberj} ramis teretibus ramulis oppositis apice compressis; foliis oppositis ^u ^{is} rarius sparsis, coriaceis petiolatis ovatis obtusis obsolete pinnatis ^{ervii}, racemis axillaribus solitariis binisve folio brevioribus; floribus ^u ^{bsessilibus} parvis, pedicello apice extus bractea ovata acute ciliolata ^{ca} ^v ^a instructo; corolla rosea. — A *Lorantho* differt corolla, stylo et st ^{mate}.

18. *L. SPICIFER Prsl. 1. cit. p. 257. f — Habitat in insulis Philippinis.

4586. I.ORA1VTHLTS Linn

(DC Piodi TV. 28b a f-7L. — Wlpi*, Report II 439. & 940 V 957, Annal. I 362)

- 1 L *fHuloi anthusj* LEPIDOPHLLUS Wlpi s m>s — Fiuticoaus iamosissimu⁹ lamulis folnsqve junionbus lepidibus minulis feciugincis (ut in Lluiagms) tectis, loins bievilci pcliolutis oppObilis vcl subalterns coiiceis obovatis obtuaissimis oibiculaubu&ve, spici-i axillaubus solnauis folia aequantibus multillons, flonbus in ihachi scssilibus, pctalis 4 lincaibus, apice gibbis, ovano dcpies&o caljcis Imibo quadndenticulalo colonaio sijlo filifoinn pusislencic, slip^pmate capilato. bacca pai\ a globosa — *L Arnotianu** Wghl in M (lelland s Calcutta jouin of nat hi*t VI 361. (nee Krthls. — Wlpi s. Report II 443 no 35) — In India oucntali (Couitalloum) paiaisiticus in aibonbus.
- 2 L INTERMEDIUS Wght. in M Glelland s Calcutta journ of nat lust VI 361 — Glaber lamis teictibus, folns obovatis obtusit> saepeque apice ittusis, basin >ersus cunealis, racemib ixilhihu<> fasciculate singulis vcl binis> teim^vc fasticula\j-s, folia aequantibus> vcl mlcidum superanlibus, flonbus >cdicellaLi&, biaclea smgula lateiah cucullata od basin ovani, peldlis 4 lmeaiibus apict inciassaLis, llorum ahabastio quadiangulaa, an- {ulk> apicem vcisus subalalis, o^auo subgloboso truncato, baccib globosis pisiformibus — Habitat in India oucntali (Neilgbeines, Tra\ancore).
- 3 L BMJMEANUS Wght 1 c. 362 — Glabei ramis tLietibus, junionbus furfuraceis. foliis. bievivui pctioluis hlc ovjtis |i| basi subcoidatis, subacunnatii., lacemis simplicibus axillaubus vcl binis teim^vc ad lanioium nodos la^ciculatis, quam folia multo brcMOiibus Uoiibus pedicellate biaclea anleuore, infia gibba, florum alabastro cylindnco acuminato furfuiaceo, cahce tiuncalo mtegro, pctalis 4 lincaibus acutis; ovano globoso — Habitat in India onentali (Couilallum).
- 4 L NUTANS All Cunn m Mitchell, Journal of tiopical Australia pag 158 adnot. — Totus incano - glaucc^cens foliis oblongis cllipticis sublanceolalis obtuse coiiceis obscure tnnorvns lenui - mbio - mai^imtib, basi in petiololum mediociem attenualis. pedunculis axillai ibu^ longitudine petiolouin lacemosis compoiitis, flonbus terms nutantibub, cahcibus globo^o-campanulatis, oie tontiaclo, pctalis lmeaubus.— Crescit in Australia onentali tiopica
- 5 L LINEARIFOLIIS Hook in Milcbell 1 c 102 adn — Folns linean-illiformibus acutis carnosus glabus teictibus, pedunculis axillanbua bievibub bifloiiib, cahcibus cylindiacis truncalis coniacli<>, petals sex lineanbua, supia basin coalilis — Crescii in Austialia onentali tiopica
- h. L. AURVNTIACUS All Cunn in Mitchell I c 101 — Ramis elongatis laxis gucilibus. folus oppositib longe peiolalis oblongis obtusis lanceolatisve acuminatis glabus 3—5-nemis lenuiler marginatib pamculis folio bievionbus di—tiichotoinis flonbus eiectisi enljcibus subqlindiaci* supeme lationbus truncate, pctalis hneanus 6, stylo infra apicem gemculato, stigmatc dilaiato tiuntalo — Cic*cit m Australia onentab tiopica
- 7 L CIILORAMHUS Miqu Stu p Sunnameiis select 205 f— Rarau, tei etibus, supern* teliagoms rubigmoso-lepidotis ghbiCbcentibu*, folns densus dccust>ato-oppositilis, raO-suboppoini:> bievitei pcliottii>. ovuo- >d oblongo-cllipticii> obtusis, mucionulatis CO* naceis glabiis, junionbu^ secus maigine^ scpiamulosis, nevo medio tenui sursiU* evanccsscente submultiplncnio bpici^ avilhubus folio multum brcMOiibus, solitarii* vcl saepe ternis, flonbus* tetrastichis oppositis, ibachis glabiae foveis immersis, ba3* biactea latissima bie\i suffultis caljculi (calycu>) seraigloboM limbo truncato, sepal*⁹ (potalis) sex, eo wx duplo longionbus staminibus his paulo brtvionbus. anther^ ovatis baccis alto emerr.is bubmciohio - oblongis subtruncatis. pnpillosis — **Cresci** in burimm m orbonbus dneisis paiaisilans

- 8 L (*Symphyanthus*) MACROSOLEN Steudel mss. ex A Rich Tent n. Abyss I. 340. • Ramulis pulveulenlo-ferrugincis, foliis lance olalis petiolatis acutiusculia, bnsi sepsq| angustatii coiiaceis, utrinque glabus, flonbus sacpiui tnbu, brevissime pedunculatis lamulos terminantibus, biactea latoiali, angusta crassa, eolyeem aequantc, calyce subgloboso-lurbmato pubente obsolete 5-deninto, margine ciliato, corolla longe tubulosa biunciali et ultra giacili glabra, apice 5-flda et usque ad medium longitudinaliter ilssa, lacinnis spathulatis subacutis fructibus ovoideo - globosis extremilatam digiti acquanubus, camosis glabns — In Abjssinia prov Semiene
- 9 L HCTEROMORPIUS A Rich 1 c — Caule ramoso, ramulis subferrugineo-lomcn- (osis subterctibus, foliis pciolatis maxime vams, nunc ellippius, ulnquo oblusis, mine ovali-oblongis, apice basique aculis, mine lanus obcoidatis, coiiaceis, utrinque subcinereo - vclutinis, pedunculis avillatibus biCM^imis, apice (lores 2— 5 breviter pedicellatos subsertulatos gtientibus biacica unilaiciali oblonga acuta, coiolla longe tubulosa scsquiunciah, basi dihilala, fenuginco - subtomentosa, apice 5-flda — In Abjssinia prov ChirC
- 10 L GLOBIFERUS A Rich 1 c 341. — Caule lanoso. ramulis glabus glaucescentibus, vix compressis, foliis bievissime petiolatis, flgura vams ellipticis, utnque obtusis aut acutis, lanceolatis acutis aut obtusis, glaucis subconaceis, flonbus subsessilibus fasciculatis glaberninis, bracteola minima subcupulaeformi obtusa; corolla tubulosa unciali, basi abrupte in globulum pisiformem inflata* apice 5-flda. lacinnis obtu-^{s18} — In Aljssmia, in cortice Mnosearum.
- ** L PLATPHYLLUS Hochst. mss ex A Rich 1 c — Ramulis glabris glaucescentibus, folns saepius alteinis petiolatis ovali-oblongis obtusis integns glabris glaucisque ^cnosis, pedunculo axillan, petiolis brevion, solitario npice flores 5 — 8 brevis'ime pedicellatos glabernmos gercnle, bracteola laterali brevissima obiusa, corolla gracili tubulosa, basi non mllata, apice 5-flda — Habitat in Abjssinia, parasiticus in Tere-
--- .18
- 12 L SCHIMPERI Hochst mss ex A Rich 1 c — Ramulis pulverulento - pubentibus glaucis. folns alternis parvulis breviter petiolatis ovalibus aut elliptico - oblongis obtusis coiiaceis glabris, pedunculis axillanbus brevibus fasciculatis, calyce longe tubuloso teieu, margine 5-dentato et ciliato calculo calyce brevior turbinato, 4-dentato, ciliato ulloso, corolla infra medium 5-flda, lacinnis angustis subobtusis, fructibus ovoideis camosis apice parte supenon et tubulosa calycis coronatis. — Habitat in Aljssmia cnca Adoua
- 13 L GIBBOSULUS A Rich 1 c 342. — Ramis glabrfs teretibus, foliis basi broviter Petiolatis elliptico - oblongis aut lanceolatis, apice obtusissimis, basi saepius angustalis 'ntcgris,, valde coiiaceis glabris glaucisque. pedunculis axillanbus 1 — 3 petiolo subaequalibu^, apice 1—3-lions flonbus pedicellatis, bracteola cupulaeformi. nunc production bievi et obiusa, calycis margine dilatato submtegro. corolla glabernma subcarnosa, basi tubulosa. arcuala. ultia medium 5-flda. ad basm mcisionum 5-gibba. lacinnis angubtis acutis — Habitat in Abyssinia prov Tigrd
- H L OBLONGIFOLIUS L Meyer mss ex A Rich 1 c. 342 - Ramulis ferrugineo-¹⁰mentosis, folii. breviter petiolalis ell.pticis aut ovalibus obtus. conace.s. subtus Praesemm m .un.oribus tomentosis. pedunculis brevibus ferrugneo - lomentosis, apice ³-nonssubfasciculatis. bractea ovali concava brevi cupulaeform. obtusa tomentosa °d basin smguloium florum. calyce tubuloso longusculo tereti senceo. ap.ee subintegro ot senus inaequaliter rupto. petalis 5 lineanbus. quarta tantum pane basi coa-^{Mit}»s, exierne dense et longe sericeis. subacutis, interne glabns, fllamentis m petalis "isertis glabns, basi tenuionbus. anthens oblongo-lineanbus terminalibus, fiuctibus • • • ? — Habitat in Abyssinia prov Tigrd prov Gapdia.
- 15« L SUBFALCATUS Hook, in Mitchell. Journal of tropical Australia pog. 224. adn. — Ramis dichotomis patentibus. folns oppositis lineanbus linean - lanceolausie oblusis

- subfalcatis glabris trinerviis; floribus axillaribus binis arcte pendentibus brevissime pedicellatis; calycis contracti cylindranei ore dilatato; petalis sex linearibus glaberrimis, supra medium coalitis. — Crescit in Australia orientali tropica.
16. L. (*Scurrula*) LEPTOLOBUS Benth. in Hooker, Niger Flora 375. f — Glaber: ramis vix compressis; foliis petiolatis ovatis obtusis, basi rotundatis; pedunculis brevissimis fasciculatis, umbellatim paucifloris; bracteis parvis appressis; corolla tenui scabra, basi aequali hinc flssa, limbi lobis quinque angustissime linearibus. — Crescit in Africa tropica occidental!* (Nigritia).
17. L. NIGRITANUS Hook. ill. mss. ex Benth. 1. cit. 376. + — Ramis ferrugineo-villosis; **foliis ovali-ellipticis oblongis sublanceolatisve, supra glabris, subtus ferrugineo-tomentosis; pedunculis brevissimis umbellatim 3—5-floris; bracteis orbiculatis patentibus ovario** longioribus; **corollae ferrugineo-hirsutae, basi gibbae, apicē hinc fissae laciniis** 5 lineari-cunealis. — Crescit in Africa tropica occidental! (Nigritia).
18. L. EUPHORBIAE Wght. in M'Clelland's Calcutta journ. of nat. hist. VI. 363. — Glaber erectus ramosissimus: foliis breviter petiolatis ellipticis vel orbicularibus, exsiccatis basin versus subattenuatis, obscure trinerviis succulentis venis virentibus; floribus sessilibus axillaribus vel circa nodos fasciculatis; bractea laterali ovarii basin cingente obtusissima; calyce truncato integro; corollae tubo tereti, limbo elongato indurato, ante expansionem acuto, laciniis limbi subulatis, elastice involutis; filamentis rubris, antheris subulatis; stigmatē clavato; bacca rubra magnitudine circiter fabae minoris. — Habitat in India orientali parasiticus in Euphorbiis antiquorum fructu tortili.

f **loon addenda.**

- L. (*Strutanthus*) CUSPIDATUS Don. — Miq. Stirp. Surinam, select. 206. f tab. 61.

Ordo.CIX. LONICERAE Endl.

(Wlprs. Rept. II. 446. VI. 3. 8c 697, Annal. I. 365. ft 983. — *Caprifoliaceae* A. Rich. — DC. Prodr. IV. 321. ft 672.)

3334. SYMPHORICARPLS DHL

(DC. Prodr. IV. 338. — Wlprs. Rept. II. 446.)

1. S. SPICATUS Engelm. mss. ex A, Gray, Bost. Journ. of nat. hist. VI. 215. adnot. — Foliis obovatis obtusis brevissime petiolatis, supra demum glabris, subtus pubescentibus pallidis; floribus (15—30) in spicas axillares arcte glomeratas congestis: corollis* intus barbatis; baccis rubris. — Crescit in republica Texensi ad New Braunfels.

3336. DIERVIMJA Tournef.

(DC. Prodr. IV. 330. — Wlprs. Rept. II. 447, Annal. I. 365.)

- 1 *D. (WEIGELA) ROSEA Lindl. - Wlprs. Annal. I. 365. no. 2. - Hook. Bot. Magal. tab. 4396.

3337. *LOBTICERA Dsf.*

(DC. Prodr. IV. 330. — Wlprs. Repert. II. 447. VI. 4. ft 677, Annal. I. 365. — Die ~~Sont~~ccren be« rufffffcen {Rétted, gefdjtdjtftd) unb îritffa fcefcontoeft. (Sine fltyanblung jur (Srlan- gung bet ffürte étned SWagiftra ber WWW t>erfalt unb mit Qenetyimigung einer Ijofy toewrbneten v^tlof. ftafuttat t>et tf atferl. UntoerfiM gu ©orpat flffentlfdj wertyeibigt von \$ e • ter Jttriloru, 9trjt u. f. to. — *tootpat* 1849. 8vo. pp. 72. — Gf. Schlichtd. Dot. Ztng. VIII. 48. — Hanc dissertationem non vidi.)

1. *L. (Coprifolium) INTERRUPTA* Bntb. Pl. Hartw. 313. no, 1759. — Subscandens glaber- rima: foliis ovatis basi in petiolum brevem angustatis, ramulorum florentium parvis sessilibus, summis connatis; floribus inicrripie verticillato-spicatis; spicis paniculatis, corollae tubo basi vix gibbo lirabi tubo subbreuiore, labio superiore quadrideniato, inferiore iotegro. — Habitu *L. subspicatae* approximatur. Frutex 8-pedalis, ramis flexuo- sis subscandentibus glaberrimis Jaevibus glaucis. Folia 1—1V₂-pollicaria, pleraque obtusa, crassiuacula reticulato-rugosa, utrinque viridia et glaberrima. Rami pars florens paoiculaia, ramuli oppositi 2—4 - pollicares apice tristichi vel ilerum ramulosi, foliis parvis sessilibus, basi latis, paris supremi semper connato-perfoliatis. Spicae 1—2- pollicares, verticillis florum 2—6 inter se distantibus, singulii 4—6-floris. Bractee ovario breviores ovatae aculae, bracteolae iis aequilongae orbiculatae obtusissimae. Flores sessiles, sordide flavicantes semipollicares glabri. Calycia denies breves lati obtusissimi. Filamenta glabra. Ovaria distincta bilocularia, ovulis in quocunque loculo 4—6. — Crescit in California iuxta flumen Carmel prope Monterey.

f *Icones addendae**

- L. *ANGUSTIFOLIA* Wall. — (DC. Prodr, IV. 337. no. 43.) — Lindl. Journ. of the hortic. soc. III. 238. (c. ic.)
 L. *CILIATA* Mhlnbrg. — (DC. 1. c. 335. no. 29.) — Torr. Flor. of New York 1.299. tab. 42.

3340. *VIBURNUM Linn.*

- (DC. Prodr. IV. 323. & 672. - Wlprs. Repert. II. 450. VI. 7. ft 697, Annal. I. 365. ft 983.)
 * v. *PLICATUM* Thnbrg. — DC. 1. c. 329. no. 48. — Lindl. ft Paxt. Flow. gard. 1. 147. tab. 29.
 2. *V. PUBESCENS* Prsh. - DC. 1. c. 326. no. 26. - Torr. Flor. of New York I. 306. f lab. 43.

3341. *SAMUJCUS Tournef.*

(DC. Prodr. IV. 321. — Wlprs. Repert. II. 453.)

- * S. *PAUCIJUGA* Steven, Ann. des scienc. natur. (Ser. 3.) XII. 375. - Caule herbaceo; ^s«pulis foliorum Hneari-lanceolatis. foliolorum nullis; foliis bijugis cum impari; cjmae ^e»Pansae ramis primariis ternatis. - Affinis 5. *Ebulo*. — Crescit in provincia Salian
 ** ostia Cyri.

Ordo CX. RUBIAGEAE *Juss.*

(DC. Prodr. IV. 311. & 672. - Wlprs. Report. II. 454. «t 911., VI. 8. & 697, Annal. I. 366. & 983.)

Subordo I. *COVJFBJLCMSJLB* Endl. — Wlpr*. Kepert* VI. 8.

Tribus II. *STELLATAE* Cham. & Schl. — DC. Prodr. IV. 580.

3098. *TAIIiIAKTIA* DC.

(DC. Prodr. IV. 613. - Wlprs. Rcpert. VI, 697.)

1. 'V. MURALIS L. - DC. 1. c. 614. no. 1. — Wght. Illustr. of Ind. boi. II. tab. 128bis D.

3100. *GALiIOI* Linn.

(DC. Prodr. IV. 593. — Wlprs. Report. II. 454. VI. 9. & 697, Annal. I. 366. ft 983. — *Ilubiae* §. 2. fit 3. DC. Prodr. IV. 590. ft 592.)

Series I. *ANNUA*.

1. G. (*Aspera?*) *ASPERRIMUM* A. Gray, Plant. Fendler. p. 60. no. 289. — Annum? caulibus di flu si s angulis r^otrorsum aculeolatis; foliis omnibus senis lanceolatis basi attenuatis vel inferioribus obovato - lanceolatis, apice setigero - acuminatis glabris nitidis, marginibus carinaque sublus retrorsum aculeolatis asperrimis, ramcalibus parvis pedunculo multum brevioribus; cyinis paniculalis plurifloris trichotomis; potalis albis majusculis; ovario pilis brevibus uncinatis dense tecto (fructu ignoto). — Crescit in Nova Mexico.
2. G. (*Euaparinc*) *SORORIUM* Hance, Plant, nov. Austro-Chinens. Diagn. ined. I. p. 1.— Annum: caule debili recumbente subramoso tetragono, secus angulos aculeolis retrorsis aspero; foliis 6—8nis oblongis aut oblongo-spatulatis apiculatis, supra scabris, subtus glabris, carina margineque subrevolulo parce antrorsum aculeatis; pedunculis axillaribus et terminalibus simplicibus hifid is v. trichotomis glabris 5—6-floris, primario brevissimis, fructiferis accrescentibus; fructibus oblongo - didymis setis apice uncinulatis hispidis. — Habitat in ins. Hongkong. Corollae albo - lutescentes.
3. G. *MONACHIMI* Doiss. & Hcdr. Diagnos. plant, orient, nov. X. p. 67. f — Annum; glabrum: caulibus pluribus brevibus, tenuiter filiformibus decumbentibus, ad arlicillos remotiusculos infractis. rubellis obsolete angulatis laevibus; foliis senis rainutis oblongo-ellipticis, utrinque attenuatis acutis mucronulatis, margine vix revolulis scabridis, caeterum laevibus; pedunculis ex axillis supremis terminalibusque paucis foliis 2—4-plo longioribus trifloris; pedicellis glabris bractea, oblongo - lineari, (lores aequanli suffultis flori aequilongis, fructiferis erectis, fructa vix longioribus; floribus minutissimis hermaphroditis; corollae glabrae roseae ovario albo-bispido angustioris laciniis oblonga

obtusiusculis, antheris luteis, stylo superne bifido, stigmatibus globosis^albis fructu? didymi mericarpi globosis, pilis a basi brevibus apice subuncinatis denso hispidis Ciescit in lapidosis montium lassiti Cictac in montia Lazzaro at. 4000—5000 pedum

- ⁴ G (*Aparme*) PISIFERUM Boiss 1 c f — Annum viride glabrum caulibus longis ilaccidis ascendentibus quadrangulis retorsum aculeolilis, foliis 6—7-nis, inferioribus oblongo-spathulalis, basi in petiolum brevem attenuatis, apice rotundatis mucronulalis, superioribus angustulis elliptico-lanceolalis aculis, omnibus univervis, margine cili subulso ad nervum medium retrorsum a basi aculeolatis pedunculis ex axillis superioribus terminalibusque breviter corimboso-paniculatis ramulis pedicellisque setaceis, flore sesquialongioribus divaricatis retrorsum ituleolali*, fructifera incrassatis lecurvis bracteis* minimis imbricatis setaceis acutis. floribus polygamis, centrali trichotomiarum herniaphroditio, lateralibus masculis corollae glabrae lacteat lobis oblongo-lanceolatis aculis muticis nullis IUPIS siliis a basi biparvis fructu ob pedicellum recurvum pendulo mericarpio olivaceo semper abortivo, altero glanduloso laevi globoso magno, mericarpio albedo membranaceo subinflato a semine soluto, semine sub lente tuberculato-punctato — Crescit in umbrosis* rupibus Palaestinae

- ^a G (*tiainnae*) CASSIUM Boiss 1 c 68 f — Annum glabrum caule obsolete tetragono filiformi fere a basi dichotome et divaricatum ramosissimum, ramis rigidis capillanibus elongatis minucinis foliis 5—6-nis elliptico-linearibus angusteque linearibus margine scabundo revolutis obtusiusculis muticis patulis vel deflexis, supremis sciaccis oppositis brevibus mequetibus, pedunculis setaceis folia axillaria superajati¹⁾us, umbellulas densifloras paucas contractas lenticibus, bracteis setaceis (lores non ^{su}erantibus pedicellis floris subaequilongis, corollae pallide ochroleucae lobis oblongis & obtusiusculis muticis fructus minimi mericarpiis & subglobosis

" *lasiocarpum* Fructus pilis longis albis subuncinatis dense hispidus.

P. *calvescens* Fructus adpressifloro stigmatulosus — ducuntur ambo formae mixtae in umbrosis regionis inferioris montium Cassii inter Laodiceam et Suadiah

- ^b G FEMCILLATUM Boiss 1 c 68 f — Annum, siccitale nigrescens caule filiformi erecto pumilo, a basi patule ramoso obsolete quadrangulo scabundoque glabro, foliis 8'abns 6—8-nis anguste linearibus, margine valde revolutis scabundis breviter albo-fuscis pedunculis brevibus pedicellisque nudaeriosis subumbellatis, flore sesquialongioribus glabris capillanibus, bracteis foliisque supremis puberulis longe setaceo-acuminatis corollae albae lacinus oblongis, apice pumiliter pilosis in seta us dimidio brevioribus, fructu glabro laevi pedicello recto dimidio brevioribus. — Crescit in Mesopotamia inter Oifa et Sucrek

- ⁷ G FLEUROTII Joid Giamis lectus au jaid bot d'Gienoble en 1849 pag 15 no. 7 — Paniculae oblique subovatae inaequalis ramis brevibus erecto-patulis vel fere divaricatis corymbulosis, pedicellis fructifera erecto-patulis, corollae albae parvae lobis oblongis acutis, stylo ultra medium flosso, fructu medio laeviusculo subfusco. foliis paucis nitidulis siccitate munitibus parum crassis, caulibus suboctavo deflexo-patulis cum apice surrecto imbricatis. inferne paululum angustatis. apice acutissimis mucronatis. nervo dorsali tenui parum inflexo prommuto mstrucis, ad marginem laevibus. utraque patenter pilosis vel omnino glabris. caulibus tenuibus humilibus flexuosis, in caespitem humifuium densissime intricatis, basi haud iadicantibus e caudice abbreviato prodeuntibus ascenduntibus. — Crescit in arenosis Burgundiae.

- ⁸ G (*anthapaune*) PAMPHYLICUM Boiss & Heldr 1 c 69 f — Annum glabrum caulibus tenuissimis eictis quadrangulis obsolete scabundis rubellis, superne ramosissimum corymbosam nebulosam tenuissimam edentibus foliis inferioribus quibus sublaeviusculis oblongis, basi attenuatis acutiusculis, superioribus subseplenis anguste linearibus, omnibus univervis, margine subrevolutis scabundis caeterum laevibus, pedunculis divaricatis pedicellisque ilore 2—4-plo longioribus* setaceis glabris, corollae glabrae flavo-virentis lobis oblongis mucrone us triplo brevioribus terminatis, fructu glabro

vel pilis brevibus albis uncinulatis tomentello. — Crescit in collibus saxosis apricis ad Kourmalu Pamphyliæ.

9. **G. JUDAICUM** Boiss. 1. c. + — Annum multicaule, to tum* dense et breviter hispidulum: caulibus ascendentibus fere a basi dichotome ramosissimis, ad dichotomias infractis quadrangulis; foliis quinis elliptico-linearibus obtusiusculis, basi attenuatis, margine subrevolutis hispidulis muticis; pedunculis folia axillaria vix superantibus paulo - divaricatis saepe deflexis crassiusculis divaricatis 5 — 9 - floris; pedicellis hispidulis divergentibus capillaribus flore 2—4-plo longioribus; corollae luleae valde hispidae lobis oblongis, mucrone albido brevissimo terminalis; fructu didymo setis albis longis apice subuncinatis dense hispido, mericarpiis oblongis subincurvis. — Crescit in rupestribus Palaestinae, prope Hierosolyma et prope Bania in Galilaea.
10. **G. VULCANICUM** Boiss. ft Hohen. 1. c. 70. f — Annum: caule nano erecto paulo supra basin ramoso, breviter et effuse geniculato rubello quadrangulo laevi glabro; foliis subsenis anguste linearibus valde revolutis, superne et margine parce scabridis glabris albo - mucronulatis; pedunculis foliis axillaribus paulo longioribus multifloris pedicellisque divaricatis, (lore triplo longioribus setaceis rigidulis valde hispidulis; corollae purpurascens vel sordide flavae minirae extus hispidae laciniis oblongo-lanceolatis in cuspidem setaceam aequilongam intus reflexam abeuntibus; fructu pilis brevibus subuncinatis hispidulo, mericarpiis breviter ovatis. — Crescit in glareosis vulcanicis montis Elbrus prope Derwend.
11. **G. PHILISTAEUM** Boiss. 1. c. 71. f — Annum. totum viride glabrum valde scabridum; caule ascendenti a basi ramoso ramisque quadrangulis retrorsum aculeolatis dense foliosis; foliis 6 — 8-nis internodia aequantibus, inferioribus oblongo - ellipticis, superioribus linearibus, omnibus acutis planis vix revolutis scaberrimis teneris; floribus in umbellulas densas breviter pedunculatas, bracteis flores fere superantibus suffultas dispositis; pedicellis florum longitudine; corollae luteolae extus hirsutae lobis oblongis, mucrone brevissimo terminatis; ovario albo - hispidissimo. — Crescit in Palaestina prope Gaza.

Series II. PERENNIA.

12. **G. (Trichogalia) LYGIUM** Boiss. 1. c. f — Perenne, basi suffruticosum: caulibus numerosis intricatis erectiusculis, corlice albido vestitis, sub lente tenuissime puberulis quadrangulis fragilibus; foliis senis ellipticis tenuibus planis vix subrevolutis lucidis glabris, margine et facie parvis et minute scabridis. superioribus diminutis oblongo-linearibus; ramis patule et breviter hispidulis; floribus secus ramulos subverticillatis. pedicellis setaceis hispidulis iis duplo longioribus divaricatis suis numerosis minimis, paniculam effusam formantibus: corollae purpurascens extus hispidulae lobis oblongis in mucronem setaceum lobo triplo brevioribus attenuatis; ovario albo-hispidissimo. — Crescit in rupibus prope Elmalu Lyciae.
13. **G. (Erythrogalia) SEROTINUM** Boiss. ft Heldr. 1. c. 71. f — Perenne glaberrimum basi subtrutescens: caulibus numerosis ascendentibus elongatis rigidulis quadrangulis laevibus lucidis tenuissimis paulo supra basin stridite ramosissimis; foliis jam sub adulti thesi exsiccatis angustissime linearibus, margine laevibus revolutis, infimis 4 — 6 - nervis ramealibus floralibusque binis valde abbreviatis; (Wibus minutissimis secus ramulos tenuissimos vel in glomerulos trifloros oppositos sessiles aut brevissime pedicellatos vel solitariis vel oppositis sessilibus; bracteis minimis glaberrimis oblongo-linearibus ovario glaberrimo oblongo; corollae purpureae subclausae lobis ovatis in mucrone inflexum crassiusculum iis dimidio brevioribus attenuatis, stylo brevissimo ad basin usque bipartito; stigmatibus globosis nigris. — Crescit in rupibus Tauri Pamphyliæ inter Maria et Adalia alt. circ. 4000 ped.

- 14 G PESTALOZZAE Boiss 1 c. 65. f — Perenne multicaule laevissimum glaberrimum ticcitate nigrescens caulibus teneris filiformibus quadrangulis foliosis simplicibus *eVm* ctis caespitosis folus senis elliptico-lanceolatis acutis, margine subrevolvens lucidis fere pellucidis pedunculis tominilibus, folia paulo superanubus subtrichotome corymbosis, corimbis paucifloris pedicellis stultis corolla paulo longioribus corollae magnae albae palulae lobis oblongis nervis muticis anihens roseis, stylo apice ionium bifido fuclibus glabus, — Crescit in regione subalpina Libani in via inter Bertum et Damascus supra Khan F/usse in herbis humido
- 15 6 DELICATULUM Boiss & Hohen I c f- Pcinne caulibus e rhizomate saepe crassiusculo nudaerbsis ascendentibus pumilis inflecto-flexuosis filiformibus teneriis hispidulis parce ramosis folus senis pellucidis hispidulis, basi et apice attenuatis mucronuldis, cymis terminalibus brevissimis paucifloris divel trichotomis valde divaricatis, pedicellis ^{capillaribus} glabus, floie subduplo longioribus flouibus albis nectioibus glabus corollae planae lacimis oblongis in mucronem tenuem usquaduplo breviora abeuntibus anihens nigrescentibus stylo ad medium usque bipartito fructu glabro laevi — Crescit in rupestribus montis De ma wend in Persia
- 16 G CRETICUM Boiss & Heldr I c 66 f — Perenne glabrum caulibus brevissimis lucidis obsolete tetragonis tenuissimis tenens erectis, superne parce lamosis, folus ⁴ — 5-njs brevibus *erccus* oblongo-linearibus obtusis, superne margine scabundo subrevolutis, ramis floralibus trichotomis, lamulis divaricatis-paentibus, flonibus ad ramulorum apicem in umbellulas 4—5-floras congestis, pedicellis flore subduplo longioribus ¹¹¹⁰ etiam fuclifen* strictis contractis nee divaricatis, corolla alba glabra mediocris, lobis oblongis acutiusculis muticis trinervis fructu didymo laevi — *G junceum* in Cret. Heldr ezs non SibU — Crescit in pratis paludosis montans Graeciae alt. 1000 ped.
- 17 G DIPLOPRION Boiss ft. Hohen I c f — Perenne siccitate mgnans caulibus herbaceis prostratis, basi filiformibus nudis lucidis, dem parce ramosis incrassatis obsolete angulatis, ad angulos sparsim retrorsum aculeolatis, folus subsenis opacis carnosulis oblongis bievitei acummatls. margine retrorsum et subbifidae uncinato-aculeans, facie laevissimis flonibus in cymis axillares et terminales breviter pedunculatae paucifloras subcapitatae congestis, pedicellis ovato-nequilongis, corollae albae plamscutatae lacinis oblongis acutiusculis muticis, stylo brevissimo bipartito ovario glabro. — Crescit in glaucosis prope Sebah Nesahin montis Totschal prope Teheran.
- 18 G *HeioQahum*) TEXANUM Scheele, Linnaea XXI 597 — Radix perennis perpendicularis. Caulis herbaceus ascendens quadrangulus, basi ramosus, angulis retrorsum aculeato-hispidis Folia subsessilia abbreviata uninervia acuta vel mucronata, margine retrorsum aculeolato-hispida. supra sparse, subtus in nervo hispida, nervosa quaterna laevia breviora, superiora sensu oblonga longiora Flores axillares pedunculatae solitae vel oppositae. Petals (IP). . . Y Pedunculi fructiferi deflexi glabri, fructu breviores Fructus didymus subrotundus. sensu albis Tipice uncinatae dense hispidae. * In republica Texensi prope New Braunfels.
- 19 G (*Xanthogalum**) (CANDLERI A Gray. Plant Fendler. 60 DO 288 — Perenne caulis e basi subligulae assurgentibus gracilibus. pube immixta scabra subcinereis. folus quaternis imbricatis (A unc longis) acutis univernis, undique hispidulo-scabulis subcinereis internodio multum brevioribus. pedunculis axillaribus et terminalibus brevibus 3-7-floris. flonibus pallide luteis breviter pedicellatis, ovario ferti glabro, fructu ignoto
- *ar p. superne subglabrum folus paulo longioribus — In Nova Mexico.

f Jfon satis nota.

- 80 6 SIMENSE Hochst. mss. ex A. «ich. Tent fl Abvss I 344 — Caule caespitoso, basi ramoso ramis 4—6 uncias longis glabris; folus senis obovato-lanceolatis acutis

glabns, flonbus purpurascntibus 3 — 4 pedunculatis axillanbus, coiolla stellata 4-paruto fructibus globosis dicoccls, laevibus. — (Ad *ETylhrogaha* pertinere videtur.) — Habitat in Abyssimae prov Semiene

- 21 G. HAMATUM Hochst mss ex A Rich 1 c 345 — Caulibus elongatis scandenubus angulaiis et in angulis nculeato - scabris, folns sacpius senis lanceolaiis acutis, basi sensmi angustdtis, jnargme indurato reiroisum scabro-aculeatis, apice indurato-mucronatis flonbus purpurascntibus cymoso-dicbotomis, fruciibus globosis glocludiato-echinatis cchinis brevibus apite arcualo - rclflpxis — (Ad *Eiyhrogaha* fortassis pertinet) — Habitat in Abyssinia in ruderatis prov Ouodgrate 8: Semiene

t Icon addenda.

- G ASPERIFOLIUM Wall. — (DC. Prodr IV 598. no 36) — Wght Illusir. of Ind. bot. II tab 128 bis D.

3101. RUBIA Tournef.

(DC. Piodr IV. 588 [excl sect 2 & 3] - Wlprs Repert II 460 VI. 18 ft 699)

- 1 R. BRACIYPODA Doiss. Diagnos plant orient nov X p 57 f — Caulibus fruticosis sarmentosis scndentibus obsolete angulaiis(cortice tenui lucido albicante vestitis, lamis hexagoms, pubc bievissinn patula pubescentibus laevibus, folus senis elliptico-linearibus, ulunque attenuatis acutis mucronulatis, margine subtus subincrassato albido tetrorsum scabndis, secus neivum et ad faciem glabns laevibus lucidis, inflmis deflexis, cymis opposite axillanbus subsessilibus foliorum verticilJo subbrevionbus, bracteolis binis setaceis ad cymae divisionem sitis. pedicellis pubescentibus divanca-Us. floie VIX longionbus, basi nudis, corolla alba glabia subrotata magna, lacinus oblongo - lanceolaiis in mucronem bicvibsum attenuaus, fructu magno carnosulo globoso. pedicello incurvo suffulto. — Ciescit ad inuros, sepes et rupestna Palaestinae enca Hierosolyma et in Caimelo

var (*J. stenophylla* glabrescens, folia angusliora elhplico-linearia 6—7 hn. longa, lineam vel sesquilineam lata — Crescit m Antilibano prope Rascheya et Zebdnni.

f loon addenda*

- R. CORDIFOLIA L. — (DC. 1. c no 1) — Wght IUustr. of Ind. bot. II. tab. 128bis A. .

3102. CRUCIAHTELIiA Linn.

(DC. Prodr. IV. 586. — Wlprs Repert II. 460 VI. 19)

- 1 CR SYRIACA Boiss Diagnos plant orient nov. X. p. 58 + — Annuu, tota minute scabrida glaucescens caulfbus quadrangulis ascendenlibus patule et subdicbotome ramosis, loins inflmis sub anthesi jam deciduis minimis obovatis, caetens senis, an* guste linearibus, valde revolutis rigidis mucionulatis scabris, spicis axillanbus terminalibusque, pedunculo ngido us non longion saepe brevion suffultis linearibus subtetrastichis densis, rhacbide fairsuta. spiculis umflons tnbracteatis, bracteis stnctfl raiDricatis oblongis concavis, in mucronem brevem attenuaus, dorso nervo rotunda to crasso instructis, mferne late albo-margmatis, margine ciliatulis, caeterum lae?ibus; corollae ilavidae tubo bracteis duplo longion, limbi pentamen lobis ovatis in appen* dicem linearem us aequilongam circmnatam abeuntibus, stylo incluso — Crescit id rupestribus Syriae prope Antiochiam.

- 2 OR. BITHYNICA Boiss 1. c f — Annuā, tola minute scabrida glaucescens cauhbus quadranguhs ascendentibus dichotoroe ramosis, folns quatemis, omnibus anguste lineanbus valde revolutis raucronatis scabudis ngidis, spicis axillanhus terminalibusque, pedunculo us longiore suffultis hneanbus subtetrastichis densis, rhachide glabra, spiculis billons tnbracteatis, bracteis arciiuscule imbricatis ovaio • oblongis cannalis in mucionem brevem attenuatis, dorso vindc et ciasse ncrvosis, margine late albo-membranceis cilialis, caeterum laevibus, corollae flavidae tubo biacteis sesquilongioi, scabndulo, limbi pentamen lobis ovatis in appendicem linearem opice subclatam us longiorem. intus reflexam abeuntibus. Styli profunde bifldi, ramo olteio cum siigzate e corolla exseito — Crescit in Bilhyma prope Bolu.
- 3 GR. IMBRICATA Boiss 1. c 59 f— Annuā caulibus erectis stride lamosis quadrangulis laevibus, folus infrais quatemis ellipticis, caetens senis, valde revolutis hneaiibus breviter mucronatis scabnusculis spicis linean-cylindricis, pedunculo us aequilongo suffultis densis, rhachide glabra spiculis umflons inbracteatis imbricatis, bractea extenou longion multoque lation ovato - oblonga vix cannata breviter attenuato-acummata, margine late, albo - membranacea scabndula, lateralibus cannato - plicatis anguste hneanbus, corollae rubellae lenuissimae vix apice subexseitae tubo capillari m limbum vix amphato, lobis ovatis in mucronem reflex um us aequilongum attenuaiis. — Crescit in Syria.

3103. ASPERUIA Linn.

(DC Prodr. IV 581 — Wlprs. Report. II. 460. ft 841 VI 22 a 699, Annal. I. 369)

- * A (*Cynanchicae*) LIBANOTICA Boiss. Diagnos plant orient nov X p 59 f — Perennis multicaulis cauhbus tenens fihformibus ascendentibus pnice ramosis simpheibusque quadranguhs, ad angulos retrorsum scabriduhs. folus quatemis remotis ovatis subtnnervns acutiussuhs, margine scabns, caeterum glabris laevibus pallide virentibus, pedunculis paucis axillanbus terminahbusque subterms ctmas in capitulum dense contractas paucifloias ferentibus, bracteis involucrantibus elliptico - lanceolatis acutis. flores non aequantibus, corollae lacteae glabrac tubo a basi anguslion in limbum eo dimidio breviorē sensim amphato, lacinus amphs ovatis irinervns acutiussuhs, anthers linear) - setaceis nigrescentibus, & stylo apice longe bi parti to exserto sligmatibus globosis, ovano glabro laevi. — Crescit in humidis regioms alpinae et subalpinae Libani et in monte Cassio.
- * A. TAYGETEA Boiss ft Heldr 1 c 60 f — Perennis, ex rhizomate suffi utescenti multicaulis, tola villo hirsuto - tomentosa molhs canescens caulibus ascendentibus ramosia obsolete angulatis fragihbus, folus sems patuhs hneanbus acutiussuhs, margine convolutis, flonbus in capitula rotunda densa ex axilhs supenonbus bieviter peduiculata terminahaque saepe 2—3 approximata congest is; bracteis convolutis patulo - subreflexis flores subaequantibus, corollae in vivo lacteae dense velutmae tubo limbo duplo lonS'on, lacinus oblongis acutis submulicis, antherls oblongo - hneanbus mgncantibus, stylo pane exserta longiuscule bifldo, ovano hirtello — A *incana* Bory ft Chaub — Crescit ad rupes umbrosas faucium prope Androuvista in Taygeto.
- ³ A FASCICULATA Boiss 1. c 60 f — Perennis. basi suffruticosa multicaulis cauh^bs ascendentibus vel erectis elatis simpheibus vel superne parce ramosis quadranguhs glabris vel asperulis, foliis quaterms tenuissime hneanbus valde revolutis in Mucronem brevem atlenuatis, internodio plunes brevionbus mngis minusve scabridis* flonbus oppositis fasciculos capituliformes subsessiles oppositos, secus raroas distantes formanubus. bracteis lanceolatis ovana paium superantibus. corollao albiae tuberculatae tubo m limbum sensim amplinto, lacinus tubo multo brevionbus oblongis erasiscuhs obtusis. anthers hneanbus nigncanubus, stylo incluso ultra medium bipar-

- tito, stigmatibus globosis mgncantibus, ovano glabro — Crescit in rupestribus siccis circa Fden I ibnni
- 4 A MUNGIERH Boiss fit Heldr I c 61 + — Basi suffrutescens multicaulis caulibus tenuibus virgilis cinctis quadrangulis clatis, inferne brevissimè puberulis dense foliosis, superne remote foliosis puce ramosis foliis quincinis mteii so aequalibus inguste linearibus brevissimis in medio viliculis secus caulicem decurrentibus instructis mucionibus basi connatis, inferioribus secus caulem dense imbricatis, caules sparsissimus intermedio multo brevioribus foliis $Z=4$ in fasciculos oppositos breviter pedunculatos sessilisque secus caules ramorumque partem superioriem laxè dispositis bracteis ellipticis acuminatis, ovana paulo superioribus corollae glabrae albæ lubo in limbum eo quadruplo brevioribus vix ampliato, lacinis oblongis, apice subcucullatis aculeis mulicis antheris mgncantibus stylo incluso ad medium usque bifido fructu valde tuberculato — Crescit in monte Tajgato
- 5 A SCTLUSA Boiss I c f — Perennis rhizomate suffrutescenti caulibus pluribus erectis validiusculis rigidis quadrangulis, inferne scabridis, superne parce ramosis, foliis qualiter anguste linearibus mucronatis alde revolutis margineque scaberrimis intermedio multo brevioribus foliis in fasciculos paucifloros breviter pedunculatos dispositis subcoimbratis bracteis oblongis acuminatis ovana subsuperantibus, corollae (e sicco albidae vel carnea) cucullata - scaberrima tubo in limbum subaequilongum sensim ampliato, lacinus oblongo-lanceolatus mucicis, stylo brevi ad basin usque bipartito, ovino selulis adpressis dense obsito — Crescit in aenosis Rossiae australis ad Percypit ad ostia Tjrao.
- 6 A ATHOA Boiss I c 62 f — Basi suffrutescens multicaulis dense caespitosa nana, tota stulis palulis brevissimis caespitosa scabrida caulibus brevissimis quadrangulis, basi praesertim dense foliosis, foliis quaternis parvis angustissimè linearibus rigidulis strictis brevibus mucronatis, subius mteii margines revolutos nervumque medium crassum anguste bisulcatis, inferioribus abbreviatis oblongis internodia aequantibus, foliis 3—4 terminalibus vel ex axillis supremis binis oppositis, bracteis minimis ovana vix superantibus oblongo-lanceolatis acuminatis scaberrimis, corollae e sicco roscae tubo capillari limbo setuloso fructu quadruplo longior, lacinus linearibus obliquis, antheris linearibus nigris stylo incluso ad medium bipartito, ovano breviter albo-setuloso — Crescit in monte Atho
- 7 A. GUSSONH Boiss I c 63 — Rhizomate suffruticoso crasso, caules plurimos filiformes diffusos nanos dense caespitosos edenti, foliis quaternis glaucescentibus dense imbricatis, subius late nervosis oivagineque subincassatis, inferioribus ovalo-oblongis obtusis, caeteris elliptico-linearibus linearibusve obtusis vel aculeis, foliis paucis terminalibus brevibus subsessilibus foliis superioribus basi stipatis, corollae glabrae cameae tubo in limbum eo dimidio brevioribus sensim ampliato, lacinus ovalis apice cucullatis obliquis, antheris ferrugineis, ovano glabro laevi — *A. suberosa* Guss. — Crescit in rupibus excelsioribus Nebrodum Siciliae.
- 8 A BRCVIFLORA Boiss I c t — Perennis pallide virens rhizomate suffruticoso. cortice alido suberoso vesiculo, multiculi caulibus quadrangulis glabris laevibus vel ad angulos subscabridis crebris tenuibus, a basi alternatim ramosissimis flexuosis, foliis semper brevibus, internodio multoties linearibus, basi subabbreviatis, margine scaberrimis, subius breviter aculeis, sub lente punctulatis foliis secus ramos in fasciculos leviusculos sessile* vel subsessile* 3—7-floros, saepius oppositos paniculam effusam formantes dispositis parvis, bracteis oblongo-linearibus ciliatis, ovano brevioribus corollae albidae breviter puberulae lubo brevi a basi campanulato ampliato. lacinus brevibus ovatis mucicis vix duplo longior, stylo brevissimo incluso ad medium usque bipartito, ovano glabro laevi — Crescit in rupestribus siccis circa Eden Libani.
- 9 A (*Gahoxdeae*) PYCNANTHA Boiss I c 64 f — Perennis caulibus crassis alde elongatis imbricatis vel ascendens subsarmentosis quadrangulis papillis, albis crispis

magis minusve liirsutis, superne opposite ramosis elongatim et stride paniculatis; foliis senis octooisve deflexis oblongo - vel elliptico - linearibus acutiusculis mucronatis, facie superiori sub lenie punctatis, subtus concavis, margine scnbridis revoluiisque, ad nervos et rarius facie magis minusve albo-setosis; floribus in pseudovercillos capitato-globosos *dnnssismos remolos* valde albo-hirsutos secus *ramos congests* breviter pedicellatis; bractpis oblongis mucronulatis, flores subaequaniibus; corollae lulene brevis campanulata, exlus sparsim et longe albo-sclosae laciniis oblongis infloxo-mucronulatis; tubo longfoi'ibus; stylo subcxserto opice brevissime bifido; fructu parvo.

a. *lasiocarpa*: fructus albo-setosi. — Crescit in pianilie Oamascena.

(). *leiocarpa*: fructus glabri. — Crescit in vallibus ad septentrionem urbis Lala-kieh ad Aleppum.

t Sectionis dublae.

10. A. DIVARICATA BischoffT, Delect, sem. hort. Heidelberg. 1848. p. 4. — Foliis linearibus acutis glabris, margine rvolulo scabriusculis uninerviis, inferioribus quaternis, superioribus binis oppositis; caule flaccido subelTuso ramosissimo; ramis divaricatis; floribus cymosis; bractloia oblongis ovalibusve oblusis mucronulatis, margine glabris; tubo corollae limbum aequante; fructibus lacvibus. — Habitat ?

£ loon addenda.

A. CYNANCHICA Linn. — DC. Prodr. IV. 582. no. 9. — Wght. 111. of Ind. bot. II. tab. 128bis C.

Tribus III. *ANTHOSPERMEAE* Cham. & Schl. - DC. J. c. 578.

3105. *AUTTHOSPERJJnJJI* Linn.

<DC. Prodr. IV." 579. — Wlprs. Kepert. II. 462. V. 25.)

* A. MURfCULATUM Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 345. — Caule a basi ramoso suffhitescente; ramis virgulis sesquipedalibus pulverulentis; foliis saepius o'ppositis obJongo-lanceolalis acutis, basi sensim angustatis puberulis subrugosis, vagina slipulari brevi laxa, utrinque 4-seta; floribus dioicis axillaribus breviter pedicellatis; fructus mericarpiis obovatis apice nudis pulverulenti - pubentibus. — In Abyssin^aae prov. Ouodgerate.

Tr:ibus IV. *SPERMACOCEAE* Cham, a Schl. — DC. Prodr. IV. 538.

3120. *BORttEBIA* Fisch, *tf* Mey.

(DC. Prodr. IV. 540. — Wlprs Repert. II. 464. ft 941. VI. 27, Annal. I. 370.)

* ft. HEDECARPA Hochst. mss. ex A. Rich Tent. fl. Abyss. I. 347. f — Annu: caule e'recto, parce ramoso pedali quadrangular! glabro, foliis oppositis lanceolaio-linearibus acuiis glabris, margine scabro ciliatis, vagina stipulari setosa hirla; floribus dense ca'Piiato-verHcillutis; capsulis obovato - oblongis, basi pedicellalis glabris acutis, apice oblusis hirtis, laciniis calycinis 4 linearibus rectis coronatis; mericarpiis interne rim a longitudinali dehiscentibus. — Habitat in Abyssinia *in* convalle fluvii Taccaze*.

2. B. NEGLECTA A. Rich. 1. c. + — Annuæ pumila: caule erecto 1—4 uncias alto quadrangulari; foliis oppositis lineari-lanceolatis acutis, superne subtusque scabris, marginibus ciliatis, vagina stipulari hirsuta ciliata: floribus dense capitato-verticillatis; capsulis obovatis - oblongis, basi attenuatis, apice tomentosis, laciniis ciliatis 4 linearibus coronatis. — In Abyssinia.
3. B. PENICILLATA Miqu. Stirp. Surinam, select. 176. f. lab. 51. — Stricta erecta vel decumbens: ramis submarginato-tetragonis, glabris vel glabriusculis laevibus, angulis infra nodos obtuse denticulatis; foliis decussato-oppositis, breviter petiolatis, ellipticis, utrinque acutis. superne angustioribus, utrinque parce pubescentibus, marginibus scabriusculis, sublus flavescens venisque qualernis vel quinque patule erectis, stipularum selis utrinque vulgo octo vaginam superantibus; calycis quadrifidi lobis ciliatis; corollae segmentis apice penicillato-pitosulis; stigmatibus duobus exsertis; antheris cordatis sessilibus inclusis. — Crescit in Surinam superiore.
4. B. PROSTRATA Miqu. 1. c. f — Herbacea decumbens radicans: ramis tetragonis subglabris laevibus; foliis oppositis petiolatis, sublus glabris, supra marginibusque pilis brevibus scabriusculis vel fere glabris, membranaceis discoloribus, inferioribus ellipticis acutis, supremis minoribus sublanceolatis; capitulis axillaribus sessilibus et terminalibus bifoliatis; calycis dentibus duobus longioribus, duobus paulo brevioribus, illis apicalibus valvas coronantibus. — Crescit in Surinam superiore.
5. B. TRICHANTHA Miqu. 1. c. 178. + — Herbacea? ramulis tereti-subtetragonis glabris; foliis breviter petiolatis oppositis lanceolatis vel lineari-lanceolatis, membranaceis, supra in nervo medio et secus margines puberis, subtus glabris, vaginam aequantibus; floribus verticillatis; calyce quadrifido puberulo; corollae tubuloso-lobuliformis lobis quatuor lanceolatis. intus dense hirsutis; filamentis exsertis; antheris linearibus, dorso paulo supra basin inflexis. — Crescit in Surinam.

3121. SPEBUIACOCE *Linn.*

(DC. Prodr. IV. 552. — Wlprs. Repert. II. 465. II. 29.)

1. SP. MACRANTHA Rnwrtd. Nederlandsch kruidkundig Arch. II. 4. 269. — Caulis tetragono hirsuto (pilis longis albis); foliis obovatis mucronulatis, utrinque hirsutis; stipulis vaginantibus multisetigeris; floribus in axillis dense confertis; capsulis hirsutis. lobis calyciis lanceolatis coronatis. — Crescit in sabulosis Moluecarum.

3123. BIODIA *Linn.*

(DC. Prodr. IV. 561. - Wlprs. Repert. II. 466. VI. 30.)

1. D. BREVISETA Benth. in Hooker, Niger Flora 424. f — Caulis scandente; ramis tetragonis, angulis pubescentibus; foliis ovali-lanceolatis oblongisve, utrinque acutatis scabris; stipularum setis fructu brevioribus; verticillis multisetigeris; calycis laciniis 4 reflexis, fructu oblongo laevi ecostato subtriplo brevioribus. — Crescit in insula Fernando Po.
2. D. (*Hexasepalum*) VAGINALIS Benth. I. c. f — Procumbens glabra: foliis sessilibus⁸ oblongo-vel lineari-lanceolatis rigidis; ciliis stipularibus rigidis subdilatatis; fructibus^{*} oppositis a dorso compressis acute costatis, calycis laciniis subsens coronatis. — Habitat in Nigritia.
3. D. SPICATA Miqu. Stirp. Surinam, select. 179. f — Fruticosa erecta: ramis inaequaliter tetragonis. tenuissime puberulis; foliis lanceolatis acute acumatis, marginibus^{**} serrulato-scabriusculis, supra glabris, sublus pallidis puberulis venisque circiter «n»

Imeatis, vagiaarum sens elongatis, utnque cucnei octo, flonbus vcriicillatis axillan-
 ↳B et superne, foliis depauperatis, interrupte spicatis. brevissime pedicellatis. calyce
 subgloboso aequaliter quadridenuio corollae parvae dentibus obtusis ciliolatis, fila-
 mentis mclusis pubens, siigmaubus duobus tereviusculis — Crescit in Surinam, loos
 apricis sylvaram prope Bergendaal

- D SURINAMENSIS Miqu 1 c 180 f — Ramulis subtetragono - cylindraccis lacvibus
 glabns (coloiatis), foliis angusle hneanbus glabns, vaginarura glabnuscularum setis
 utnque octo tubus medns longionbua vaginam circiter aequantibus flonbus verlicil-
 latis calfcis quadriitdt loins lanceolatis puberulis, coiollae /obis extus glabns, mtus
 pubens stamimbns exsertis, antucris ellipucis, stigmatibus duobus capitellalis in styh
 apice sessilibus, capsula oblongo-obovaia, basi glabra, superne pubeiuia quadndenta-
 tata — Crescjt m locis humidis regionum mtenorum secus ripas flurmtus Sunname

3127/?, MYPODEMATITM 4 Rich,

(A Rich Tent A Abyss I 348)

, Differt a *MUracatpo*, capsula biloculan, loculis monospermis, semimbus
 cyiindiaceis ereclis, val^s a basi fere ad apicem dehiscentibus non
 a<ciduis, a *Stadia* recedit calyce quadnlobo.

- ¹ H SPIAEROSTIGMA A Rich 1 c f — Annuum caule erecto ramoso tetragono hir-
 s'uo pedali foliis oppositis oblongo-lanceolaus acutis, basi attenuaiis, margtoe sea-
 'ro - ciliaus utnque subhiisulis vagina stipulan tiirta setosa flonbus *deasia* capi-
 tato-veriicillatis corolla lubulosa mfundibulifoimi giacili, 4-fllda, capsulae glabrae
 •obis cahcims 4 linean-lanceolalis ciliatis — *Mihacarpus sphaerostigma* flochst mas.
 — Habitat in Abj^siniae prov Chire¹
- ² H AMPLIATUM A Rich 1 c 349 f — Annuum caule eiecto, parce ramoso sesqui-
 Pedah et ultra, subietiagono piloso folu» oppoMtis lanceolaus acutis, superne sub-
 'usque hntcllis, m neno oicdio ferrugineo-hnus, vagina stipulan hirt-ptlosa multi-
 se<cta flonbus dense in axilla foliorum aggregatis, subverticillato-capitatis, corolla m-
 ^undibuliformi ampliata stigmatc manifeste bilobo limbi calycini lacinus lanceolatis
 m8rgine ciliatis, capsula obovoideo-oblonga, parte supenore piloso-setosa — *Mitra**
 <<*rpus amphatus Hochst mss. — Habitat in Abyssinia in convalle fl Taccaze*

3130. TESSIERAZ/f.

(DC. Prodr IV 574)

- ¹ T PUBESCENS Miqu Stirp Sunnamens select 176 f — Urbacea subereota* rtpi*
 ter<et i uo l>, infra lolia subtetragonis, glabnsdulid lacvibus, folns opposius petiolatis
 ovato-ellhpticis subacuminatia. supremis elliptico-lanceolaus, utnque puberulis, lae-
 vibus membranaceis, vaguwrum sens utrinque sex vel octo, capsulae valns Jbifldis,
 septo o*vali acuto membranaceo libero, semmibus linejinbus obtusis fuscis laeyibus —
 Cr<eswt IQ Surinam

Subtnbus III. CEPHALiNTHEAE DC, Prodr. IV, 538.

3138. CKPHAIiAHTTHUS Linn.

(DC. Prodr. IV. 538 - Wlprs Repert II 469 \I. 700)

- ¹ 'c OCCIDENTALS Linn - DC 1 c no 1
 P *Cahfornxcus* Bnth PI Haitw 314 no 1765 Glabemmus petiolis brevissimis.

caeteris omnibus forrae vulgarioris. — Flores interdura pentameri, oti saepius tetrameri. Glandulae exteriores ad sinus limbi corollini saepe adsunt in omnibus specimenibus Americanis, minutae tamen et mox oblitteratae. Ovarium nonnisi biloculare, placenta ex apice loculi brevis, ovulo prope apicem affixo pendulo fere per totam longitudinem binluto, adjecto rudimento parvo ovuli alterius. Semen pendulum versus apicem alium placentiae in carunculam dilatatae. Testa membranacea, superne in aliam brevem bifidam producta. Albumen corneum, embryo reclus, radícula (quoad fructum) supra. Genus evidenter, seminibus solitariis tamen obstantibus, ad tribum *Nauclearum* referendum esset. — Frutex octopedalis. — Crescit ad margines rivulorum in Californiae valle. Sacramento.

Tribus V. *PSYCHOTRIAE* Endl. Gen. pi. p. 530.

Subtribus I. *CEPHALANTHAE* DC. Prodr. IV. 532.

3139. *GEOPHILA* Don.

(DC. Prodr. IV. 587. ^ Wlprs. Report. II. 469. & 941.)

1. *G. HIRTA* Kthls. Nederl. kruidk. Arch. II. 4. p. 247. — Hirta: foliis ovato-cordatis nervis, utrinque nervis; capitulis paucifloris, lobis calycinis acutis; fructibus hirsulis. — Crescit ad montem Prarawiu insulae Borneo.
2. *G. HIRSUTA* Finib. in Hook. Niger Flora 422. f — Foliis cordato-ovatis oblongisve acutiusculis, utrinque ad nervos peristylis hirsutis; pedunculis abbreviatis (bracteis subulatis). — Affinis *G. violaceae*, sed folia superiora angustiora, tota planta siccitate nigrescit et multo hirsutior est quam omnes varietates *G. violaceae*. Calycis lacinae pilis longis ciliatae. Specimina flores paucissimos ferunt. Planta dioica? — In Nigritia.

3140. *CEPHALANTHUS* Swartz.

(DC. Prodr. IV. 532. — Wlprs. Report. II. 470. et 941. VI. 36, Annal. I. 372.)

1. *C. CUNEATA* Kthls. Nederl. kruidk. Arch. II. 248. — Foliis obovato-oblongis acuminatis, basi cuneatim attenuatis, utrinque glabris; stipulis ovatis acuminatis; floribus capitatis; bracteis carnosissimis involucrialis. — Habitat in insulae Sumatrae sylvis Sin* galang.

Subtribus II. *COFFEEAE* DC. Prodr. IV. 472.

3145. *CHASAMA* Commers.

(DC. Prodr. IV. 531.)

1. *CH. LAXIFLORA* Dnth. in Hook. Niger Flora 416. f — Glabra (scandens?): stipulis brevibus truncatis subconnatis; foliis oblongis acuminatis, basi acutis; panícula laxa terminali pauciflora; bracteis subnullis; calycis limbo minute dentato disco oblongo multo brevior. — Crescit in Sierra Leone.
2. *CH. PARVIFLORA* Bnth. 1. c. p. 417. f — Glabra: stipulis brevibus connatis brevissime acuminatis; foliis oblongis acuminatis, basi acutis; corymbo terminali multifloro; floribus aggregatis; calycis limbo brevissimo truncato disco late depresso brevior. — Crescit in insula Fernando Po.

3147. PSYCHOTRIA *Linn*

(DC Prodr IV 504 — Wlprs Repert II 471 VL 40 & 700, Annal I 372)

- 1 PS LONGIFOLIA Dal/ell in Hook Kew gird misc II 133 f — Frulicosa erecta glabra folns linearibus, basi in petiolum attenuatis apice obtuse acuminatis stipulis bidentatis in tubum vaginantem connatis inflorescentia terminili paniculaefoimi tricholomd, bracteis sub ramificationibus parvis dentatis fructibus .? — Habitat in India orientali (Canan)
- 2 PS PERGAMENA Knlil« Nedeilandsch kruidk Arch II pag 241 — Ps, pseudoparasitica foliis subretinis obovatis acutis, basi cuneatis, corjmbis terminalibus, trichotomis — (resort in insulis Setan Sumatii)
- 3 PS LEPIDOCARPA Krthls 1 c. pag 242 — Ramulis dense hirsutis (bins ovatis acutis subtus in nervo mediano petiolisque luisutis corjmbis dichotomis fructibus oblongis -- Crescit in sylvn Singaldng eL Meliniang insulae Sumatrae)
- 4 PS CORIACEA Krtbbs 1 c pag 242 — Foliis ovatis breviter acuminatis, basi obtusis vel attenuatis, subtus pubescentibus nervis parallelis stipulis obtusis, corjmbis terminalibus flonibus subcapitatis, baccis subglobosis, siccatis sulcatis — Crescit in insulis Sumalia et Borneo
- 5 PS ANGULATA Krthls I c pag 243 — Ramis canalicatis foliis oblongo-ovatis, breviter acuminatis, basi longe attenuatis ulnque glabris stipulis ovatis, acutis bifidisve, umbella pedunculati flonibus fructibusque in capitulis confertis — Crescit ad montem maiton insulae Borneo
- 6 PS ARGEMEA Krlbbs 1 c pag 243 — Foliis oblongo-ellipticis conatis stipulis ovatis terminibus paniciformibus flonibus terminalibus confertis, medio sessili. — Crescit in sylvis montis Gedang insulae Javae
- 7 PS HETEROMORPHA Kithls 1 c p 244 — Foliis ovatis acutis, basi cuneatis, subtus pubescentibus, nervis parallelis corjmbis terminalibus calycis limbo profunde quinquepartito — A *Ps polynewa* praesertim calycis forma divisa — Crescit in sylvis insulae Sumatrae
- 8 PS REPTANS Bnth m Hooker, Niger Flora 418 f — Caule lignoso reptante vel scandente ramis brevibus cinctis hirsutis foliis oblongis acuminatis subglabris stipulis utrinque in unam magnum cordatum bifidam subconnatis paniculis pedunculatis multifloris axillaribus subterminalibusque corollae lacinis tubi dimidium vix superantibus, apice doiso appendiculatis — Crescit in Sieira Leone
- 9 PS OBSCURA Bnih 1 c 419 f — Glabruscula scandens foliis breviter petiolatis ovato-lanceolatis oblongisve acuminatis stipulis magnis utrinque geminis vel subcapitis singulis ovato-lanceolatis acuminatis paniculis pedunculatis in axillaribus cymis ultimis ebracteatis corollae lacinis tubi dimidium subaequantibus, apice dorso appendiculatis — Crescit in Africa Tropica occidentali (Nigeria)
- 10 PS DONIANA Bnlh I c f - Ramis pubescentibus foliis amplis oblongo-lanceolatis, basi longe angustatis stipulis latis apice bidentatis pedunculis axillaribus brevibus, pectinata cymis ultimis subcapitatis ebracteatis, pyrenis obtuse costatis — Crescit in St Thomas insula in oram Africae tropicae occidentalis
- 11 PS LATISTIPULA Both 1 e t - Subglabra folns amplis ovalis ellipticis breviter acuminatis stipulis late obovato-orbiculatis acutis bifidisve deciduis paniculis axillaribus breviter pedunculatis, cymis ultimis umbellatis bracteis ovato-lanceolatis involucratibus baccis subglobosis pedicellatis acute costatis. — Crescit in insula Fernando Po

12. PS. YOGELIANA Dnth. I. c. 420. f — Hamis pubescentibus; foliis ovali-ellipticis, utrinque angustatis chartaceis, supra nitidulis, sublus pubescentibus; stipulis latis, utrinque acutis bifidis lacerisve; paniculis axillaribus longiuscule pedunculatis trichotomis; cymis ultimis subcapitatis; bracteis late ovatis; baccis ovoideis costatis. — Crescit in Africa tropicâ occidentali.
13. PS. HAJNCORNIAEFOUA Dnth. Linnaea XXIII. 463. f—Glabra: stipulis breviter vaginantibus subulato-dentatis. demum laceris; foliis oblongis lanceolatisve acuminatis creberrime paralleli-venosis; floribus in capilua axillaria breviter pedunculata confertis; bracteis membranaccis calyces membranaceos irregulariter dentatos subsuperantibus. — Habiat in Brasiliae provinciis Minas Geraës fit Rio Janeiro.
14. PS. STACHYODES Dnth. I. c. 464. f — Mollitcr pubescens v. villosa: stipulis amplis ovalis membranaceis; foliis subsessilibus lanceolatis oblongisve, utrinque longe angustatis; floruin cymis in capitula contractis involucratis villosis, ad apices ramorura in thyrsum foliatum dispositis; corolla extus villosa. — Brasilia.
15. PS. IYGROPHILOIDES Dnth. I. c. 465. f — Glabriuscula: stipulis ovatis membranaceis; ramis leretibus; foliis breviter pctiolalis lanceolatis vel ovato-lanceolalis acuminatis, basi acutis, supra scabriusculis, utrinque virentibus; ilorum cymis in capitate, contractis involucralis puberulis glabrisve, ad apices rannorum in paniculam subfoliatam dispositis; corolla exlus puberula.— Drasilia.

3147A. STREBLOSA *Krthls.*

(*Krthls. Nederl. kruidk. Arch. II. p. 245.*)

Calycis tubus semiglobosus, limbus brevis quinque-dentatus. Corollae tubus infundibuliformis, intus glaber, limbo quinquepartito, partibus oblongis, aestivatione subvalvatis. Stamina quinque, fauci corollae inserta, filamenta filiformia, antherae ovatae, supra basin affixae. Stigma bifidum. Stylus filiformis. Ovarium biloculare, disco coronatum. Ovula solitaria, in medio dissepimenti peltatim affixa. Bacca globosa compressa, calycis limbo coronata, exsiccata sulcata dipyrena. Pyrenae intus planae, extus et in medio sulcatae, costatae, semine impletae. Semina testa membranacea tecta. Embryo amphitropus in medio albuminis cornei. — *PJantae fruticosae.* "Folia opposita petiolata. Stipulae interpetiolares vel vaginantes. Pedunculi axillares multiflori bracteati.

1. ST. TORTILIS *Krthls.* I. c. p. 246. — Caule fruticoso: foliis ovatis acutis, supra glabris, subtus prae-septim in nervis subhirsutis; cymis axillaribus terminalibusve, pedunculatis. — *Psychotria tortilis* Blurae, Bijdr. 958. — DC. Prodr. IV. 520. no. 154. — Crescit in Sumatra.
P. cymis sessilibus foliisque ellipticis. — Crescit in sylvis Singalang insulae Sumatrae.
2. ST. POLYANTHA *Knhls.* I. c. p. 246. — Caule nodoso hirsuto; foliis ovalibus, utrinque acutis, supra sparse, subtus in nervis dense hirsutis; stipulis rotundatis undulatis; floribus in racemis abbreviatis confertis. — Crescit in sylvis Melintang insulae Sumatrae.
3. ST. UNPULATA *Knhls.* I. c. pag. 247. — Foliis ellipticis undulatis, subtus in nervis hirsutis; stipulis ovatis acuminatis ciliatis; floribus in axillis dense confertis, bracteis oblongis sustentis. — Crescit in monte Sakoembang insulae Borneo.

3147/2. XWAARDEKROMA *Krthls.*

(Krthls. Nederl. kruidk. Arch. II. p. 252.)

Calycis tubus ovatus, cum ovario connatus, limbus quinque-dentalis. Corollae tubus infundibuliformis, intus glaber, limbus quinquepartitus, paries oblongae, aestivatione valvatae. Stamina quinque, supra medium tubi inserta, filamenta linearia, margine membranacea, antherae lineares, dorso infra medium affixae. Stigma bifidum, partibus linearibus, saepius patentibus. Stylus teres, in disco carnosio cylindrico articulatus. Ovarium biloculare. Ovula solitaria, ab apice loculorum descendunt. Fructus baccatus siccus, calycis limbo connatus, subglobosus dicoccus. Cocci semihemisphaerici, extus convexi, intus plani, sulcati fenestrati. Semina semiglobosa, ventre excavata. Albumen corneum, embryo erectus minutus, radícula teres, cotyledones ovati. — Frutices: ramis patentibus. Folia opposita membranacea elliptica. Flores corymbosi terminales, pedunculis coloratis carnosis.

*Z. LURIDA Krthls. I. c. pag. 252. — *Psychotria lurida* Blume, Bijdr. pag. 919. — DC. Prodr. IV. 521. no. 156. — Habitat in insulis Sumatra, Borneo, Java.

3151. RUDOEIA *Salisb.*

(DC. Prodr. IV. 503.)

- § 1. *Grandes*: Corollae extus glabrae; flores sessiles dense¹ capitati.
- *R. MACROPHYLLA Benth. Linnaea XXII. 456. — Glabra: foliis maximis subsessilibus longe obovato-oblongis, basi longe angustatis; pedunculo brevi, florum fasciculis densissimis in capitulum globosum confertis; corollae laciniis obtusis ecornutis. — Rio Janeiro.
2. *R. NODOSA Benth. 1. c. — *Coffea nodosa* Cham. & Schlecht. — Wlprs. Repert. II. 477. no. 23.
3. R. INTERRUPTA Benth. 1. c. 457. T — Glabra: foliis breviter petiolatis elliptico-oblongis, basi acutatis coriaceis; pedunculo brevi: capitulis sessilibus multifloris interrupte panicatis; corollae tubo longo tenui, laciniis oblongis, apice subcucullatis, baccis corniculatis. — in Brasilia.
- § 2. *Erianthae*: Corollae extus pubescentes v. villosae; flores ad apicem ramorum paniculae capitati v. rarius solitarii.
4. R. LONGIFLORA Benth. 1. c. 457. f — Ramis inflorescentiaque pubescentibus; foliis petiolatis amplis ovalibus obovatisve acuminalis, basi angustatis subcoriaceis, supra nitidis, subtus puberulis; florum capitulis ad apicem pedunculi paucis multifloris, inferioribus pedunculatis: calycis limbo cyathiformi profunde 5-dentato: corollae pubescentis laciniis obtusis cucullatis tubo elongato pluries brevioribus. — In Brasiliae prov. Goyaz.
5. R. PANICULATA Benth. 1. c. 457. f — Foliis petiolatis ellipticis oblongisque, utrinque mucronatis submembranaceis, supra glabris, subtus puberulis; panicula pubescente dichotome ramosa, ramis ultimis trifloris; floribus pedicellatis vel alaribus sessilibus; corollae pubescentis lobis angustatis corniculatis tubo suo aequilongis. — Brasilia.

- 6 *R ERIANTHIA Bnth. 1 c 458 — *Coffea eiiantha* Gardn — Wlprs. Repeit II 476 no 8
- 7 *R VIBURNOIDrs Bnth 1 c — *Coffia tn&umoides* Cham & Schl — Wlprs I c II 477 no 19

§ 3 *Glomeruhfloiae. Coiolla e\tus &labra, flores ad apicem peduncuh iamorum pamculae plures glomcrati v capital,]*

- 8 H SUBSrSSILIS Bnth 1 c 458 f — Ghlna folns sessilibus oblongis \cl anguste obovali-oblongis bieviler icuminatis basi nngustatis obtusisquc glabiis membianaceo-coiidccis floium cipitulo sunplici pcdunculo bievissimo corollae lobis oblusis tubo lato sublongioubus — In Brasilia
- 9 *R I ANfFOLATA Bnth I c 455 — *Coffea lanceolata* Cham & Schlclu - Wlpis Reper II 476 no 6 — *Ptychol) la* sessths Veil Flor Flumin II t 26
- 10 R RETICLLATA Bnth 1 c 458 f — Glabia foln* petiolati* ovatis obovatis oblongisve bre\iter acummis basi acutiusculis membianaceis, subtus pulchie tenmterque reticuhto-\enosis floium capiulis terms breviler pedunculatis — Rio de Janeiro
- 11 R SCHOMBURGKIANA Bnth 1 c 459 — *Coffea aassiloba* Bnth — Wlprs Reper. II 476 no 15
- 12 R HOSTMPsMAE*A 1 c J59 f - Glabn folns amplii o\<ih - ellipticis oblongise acutiuscuhs, basi acuiis peliolalis pamculae pedunculalae lamis sub\oititillalis 2—3-chotomis ultimis cipitato-sub-5-flous coiollae glabrae v minute puberuhe lacinns brevitei coinutis supia ghhuusculis tubo suo sublongioubus — Suunam
- 13 R CALYCINA Bnth 1 c 459 + — Glabra folii* subsessilibus ovah-ellipticis v oblongib utnnque acutiusculis subconaccis paniculie ihyisoideae ramis simplicibus tnfidisve, apite capituhfeis bncteis palmatiddis cahcis lacimis lubo longionbus corollae glabrae launus coinutis supia glabiis, tubo aequilongis. — Brasilia
- U R LRIOLOBA Bnth 1 c f — Glabia folns o\ihbus oblongib\ OLIIUMS bic\itei petrolatts comccis, panicuh brevi subcoiwnbo&a nnii^ scmcl bi\>c trifidis hmc longitudinalitei MIOSIS, apicc cipilulifeus coiollao extus ghbiae lobi!> subcoinulls, supia undique villosis tubo subaequilongis — In Brisiliac pro\ Gojaz
- \o R CARIBAEA Bnth 1 c 460 £ — Glabn folns longiuscule petiohtis o\ah-ellipticis oblongisve acumin dis ba*i acutis conaceis nilulis pamcula subcorjmbosa mchotoma lamis hmc longnudmalitei pubeiuilis, apice 3—5-nons corolhe extus glabrae lobis coinutis supia undique villosis tubo suo longionbus — In insulin Canbaeu*

§ 4 *fttmflotae. Coiolhe ilabne, pamculae lami ultimi tnflon*

- Id R TRIFLOIU Bnth 1 c 460 f — Ghbia folns parvis subsessilibus oblongis lanceohtib\e basi angustitis pedunculi& bievibus sohlarns tenure tnllons tlonbus ses!>ililus cahcis harms obtuse lubo suo biEMOibus corolhe lacinns cornulis tubo gmcili plus duplo breMonbiib — In montibus Oiganensibus Bmsiliae
- 17 R DISCOLOR Bnlh 1 c f — Clabn foliib subsessilibus obovnl - oblongis obtusis submembranacui. subtus pallidis nuentibus pedunculis oimplicibus tnldisve, ramis tuflous cahcis hcinus subuhlis tubo suo 2—3 -plo longionbus, coiollae lacinns cornulis tubo suo aequilomjis — In Biasilia
- 18 R MIERSIANA Bnth 1 c 461 f — Glabia folu_a sub>cssilibu» ovalibus oblongisve aLUtiuscuih vel oblusis submembranaceis subtu* pallidis nitidulis pamculae divaN-catae ramis tnllons, ilonbus lateialibus pcdicellatis. alan sessili. caljcis lacinns ovalis

tubo suo aequilongis, corollae lacinus coinutis tubo suo sublongioubus. — In Brasilia

- J9 R. CLAUSENIANA Benth I c f - Glabra folns subsessilibus ovalibus oblongisve submembraeacis acutis oblongisve paniculae ramis paucis simplicibus infldisve, ultimis trifloris, (loribus sessilibus, calycis lacinus angustis acutis tubo suo brevioribus, corollae lobis breviter coroulis tubo gracili brevioribus — In Brasilia, Minas Geraes.
- 20 R. LORYMBOSA Benth I c f - Ramulis puberulis, folns brevissime petiolatis parvis ovatis, basi oblongisve subcordatisque gibbibus, paniculae truncato-subcorimbosa folia subaequantia (longibus in rarioribus sessilibus, corollae lobis oblongis apice oblongisve cornutis tubo suo dimidio brevioribus — [Quasi Brasilia]
- 21 R. CLAVIPES Benth. I c 462 f — Glabra folns petiolatis ovali-ellipticis oblongisve acuminatis, basi acutis corollae paniculae thysoideae folns longioribus ramis clavato-dilatatis simplicibus biflorisve ullimis trifloris, flonibus sessilibus, corollae lacinus tubo tenui subaequilongis oblongis oblongis obscure coinutis — Brasilia.
- ** R. CORNICULATA Benth I c 462 f — Folns petiolatis ovali-ellipticis acuminatis, basi acutis vix corollae paniculae thysoideae folns sublongioribus lamis leviter dilatatis simplicibus trifloris, flonibus lateralibus pedicellatis, corollae lacinus tubo tenui paulo brevioribus subulato-coinutis — Brasilia.
- ^ R. MIRSIMCFOLIA Benth I c 455 f — Glabra folns breviter petiolatis elliptico- vel lanceolato-oblongis subacuminatis, basi longe angustatis subcorollae paniculae folns brevioribus lamis trifloris flore alari sessili, bracteis seuceis; calycis den-
tibus panibus, corollae lobis brevissime cucullatis cucullatisque tubo subaequilongis. — Brasilia

3152 COFFEA Linn

(C. Prod. IV 49g - Wipps Report II 475 [excl. spec. p. 942 enumerat] VI. 42, Annual I 372)

- 1 *c AHABICA L. — DC J. c 499 no 1 — Wipps Report II 478 — Benth in Hooker's Florula 413 — *C. stenophylla* G. Don — Wipps I c 475 no 3. — Species re-
vera in Aethiopia, nec in Arabia indigena!
- 2 c ELO-GATA Knuth. Nederlandsch kruiskundig Archief II pag 254 — Folns ob-
longis, utrinque acutis, glabris, stipulis inangulatis acutis, flonibus axillaribus dense
confertis sessilibus — Crescit in insula Sumatra
- 3 ^ GLAHRA Knuth I cit p 254 — Folns ellipticis* «utrimque glabris.
«bracteis longe pedicellatis globosis, stipulis acuminatissimis — Crescit in
provinciae Borneo.
- 4 c ? PLORIBUKDA Miq. Linn. XXII 804 f — Ramulis infra folia subcompressis,
lanceolatis glaberrimis, his oppositis modice petiolatis elliptico-oblongis, utrinque acu-
minatis vel basi acutis, subcorollae paniculae venosis, stipulis muerpetiolanibus
«tenuibus conatis, lanceolatis, cuspidatis, nervis squamatis ciliatis vel fissis diutius persistenti-
bus acutis, paniculis superne axillaribus terminalibusque racemosis» dense hirtellis,
bracteis lanceolatis calycis tubo subaequilongis puberulis, denibus. Brevioribus, corollae
On alabastro (inter oblique) extus glabrae tubo brevi nervis pilosulis, lobis quinque
lanceolatis patentissimis, filamentis summo tubo insertis coinplanatis. maiusculis papillo-
so-ciliolatis, antheris oblongis doctis pilosulis obtuse apiculatis, loculis luteis an-
theris. Crescit in Brasiliae provincia Bahia.

f Icon addenda.

> A. G. Wall. - (Wipps Report II 475 no 2) - Wipps Icon, plant, tab 1598.

3152/3. *CREHASPORA* Bnth.

(Bnth. in Hooker, Niger Flora 412.)

Calycis limbus campanulatus quinque-dentatus. Corolla hirta, intus ad faucem leviter pilosa, tubus brevis, limbi patentis lacinae quinque oblongae, aestivatione imbricatae. Stamina ad apicem tubi inserta, filamentis brevibus, antheris oblongo-linearibus. Stylus hirtellus, apice (integer?) acutiusculus. Ovarium biloculare, ovulis solitary's ex apice loculi pendulis. Bacca ovoidea laevis. Semen abortu (an constanter?) sojitarium laeve, rhaps distincta percursum, albumine corneo baud excavato, embryone parvo. — Frutices Africani: floribus parvis, in capitula axillaria subsessilia confertis, bracteis intermixtis.

1. 'CR. AFRICANA Bnih. 1. cit. 412. f — *Coffea hirsuta* G. Don. — Wlprs. Repert. II. 475. no. 4. — Crescit in Sierra Leone.
2. CR. BOCANDEANA B. Webb in Hook. Kew gard. misc. II. 371. adn. f — *^olila* brevissimo petiolatis, utrinque nitidis, venis subtus hirtellis; floribus sessilibus, petiolo dufflo longioribus; corolla calyce hirta triplo longiore. — In insula Gorgona.

3152/4. *MTATAIAWTHE* Sonder.

(Sonder, Linnaea XXIII. 52.)

Calycis tubus brevis subglobosus glaber, limbus superus campanulatus bilabiato-sexdenatus, incanorpuberulus. Corolla infundibuliformis, extus intusque glabra, limbus quadrifidus; lobis lanceolato-oblongis tubo duplo brevioribus, aestivatione sinistrorsum contortis. Filamenta 6 brevia fauci inserta, corollae lobis alterna, antherae medio affixae oblongo-lineares glabrae biloculares, rimis longitudinalibus introrsum dehiscentes. Discus epigynus carnosus, prominulus crenatus. Ovarium inferum biloculare, loculis uniovulatis. Stylus filiformis glaber. Stigmata bilamellatum, lamellis brevibus acutis. Fruclus ignotus. — Frutex Africae australis habitu *Coffeae Arabicae*: ramulis oppositis, apice tomentosis; stipulis basi connatis latis, abrupte subulato-acuminatis, petiolum subaequantibus; foliis oblongo-lanceolatis obtuse acuminatis, basi in petiolum brevem angustatis integerrimis glabris; cymis axillaribus 3—4-floris brevissime pedunculatis; bracteis amplectentibus turbinatis calycibusque incano-subserricis; corolla demum glabra.

1. N. FLORIBUNDA Sonder Kef — Folia maxima 3—4 poll, longa, 1¹/₂ poll. lata. acumine obtuso brevior vcl longiore, subcoriacea venulosa nitidula, glaberrima (juniora in nervo medio pilosiuscula). Calycis limbus lineam longus. Corolla semipollicaris* — *Bunbura Capensis* Meisn. mss. — Port Natal.

3154. *FARAUIEA* A. Rich.

(DC. Prodr. IV. 496. ft 673. — Wlprs. Repert. II. 478. VI. 43.)

§. 1. Stipulis vix aristatis; floribus ebracteatis.

1. F. NODOSA Bnih. Linnaea XXIII. 449. f — Foliis oblongis longe el obtuse cuspidali* basi in petiolum angustatis; stipulis brevibus latis muticis persistentibus; pedunculi* compluribus apice simpliciter umbelliferis; corollae tubo limbo suo brevior calycis* , vix duplo superante. — Folia 3—5-poll. Jicaria, *1¹/₂* poll, lala, cuspidate longo* obtusO*

- Ramuli stipulis brevibus subconnatis nodosi. Pedunculi saepius 3 — 4, ad'apices ramorum sessiles, singuli umbellam unicam 5 — 10-floram gerentes, pedicelli vix linea longiores. Corollae tubus 2 lin., lacinae $2\frac{1}{2}$ —3 lin. longae. Bacca ovoidea. — In Brasilia.
- ? F. CAPITATA Bnth. I. c. 450. f — Stipulis brevissimis latis, junioribus breviter cuspidatis; foliis sessilibus ovatis oblongisve acuminatis, basi obtusis subcoriaceis immarginatis; floribus in capitulum breviter pedunculatum v. sessile conferlis; calyce vix dentato; corollae limbo dimidio tubi brevior. — Rio de Janeiro.
- ³ F. SCHOMBURGKIANA Bmh. 1. c. f — Foliis ellipticis amplis anguste cuspidatis, basi acutis submembranaceis; pedunculis terminalibus 3 — 5 brevibus, apice umbellas simplices ferentibus; calycibus obsolete dentatis; corollae laciniis tubo suo paullo brevioribus. — *F. corymbosa* Bnlh. (nee Aubl.) in Hook. Journ. II. 233. — In Guiana.
- ⁴ F. PETIOLARIS Bnth. 1. c. 450. f — Stipulis brevibus latis muticis; foliis longe petiolatis late ovatis cuspidatis, basi acutiusculis; panicula glabra petiolis paullo longiore, umbellis paucis 5—7-floris; calyce truncato; corollae lobis tubo suo subbrevioribus. — In Columbia.
- ⁵ F. CORNIFOLIA Bmh. 1. c. f — Stipulis brevibus latis vix acuminatis; foliis amplis ovatis acuminatis, basi acutis et breviter petiolatis membranaceo-coriaceis; panicula glabra folio multo brevior; umbellis paucis multifloris; calyce truncato subdentato; corollae lobis tubo suo longioribus. — In Brasilia tropica.
- ^b F. HYDRAJNGEAEFOLIA Bnth. 1. c. 451. f — Stipulis brevissimis latis vix acuminatis; foliis brevissime petiolatis late ovatis orbiculatisve acuminatis, basi obtusis membranaceo-subcoriaceis, axillis venarum subtus barbatis; panicula puberula dense multiflora foliis multo brevior, pedicellis in umbellis brevibus; calyce truncato; corollae lobis tubo suo longioribus. — Minas Gerais in Brasilia.
- ⁷ F. PANICULATA Bnlb. 1. c. — *Colfea paniculata* Aubl. — DC. Prodr. IV. 500. no. 17.
- ⁸ F. MORITZIANA Bnlh. 1. c. f — Stipulis brevibus latis subcartilagineis; foliis petiolatis ovatis oblongisve obtusis, basi acutis v. obtusiusculis; paniculae ramis oppositis cymoso-umbellatis; calycis limbo subcartilagineo laxo truncato; corollae lobis tubo suo brevioribus. — In Columbia.
- *. Stipulis plus minus acutatis; bracteis amplis membranaceis deciduis v. persistentibus.
- ⁹ F. BRACTEATA Bnth. I. c. 452. + — Stipulis acutatis; foliis elliptico-oblongis acuminatis sessilibus subcordatis coriaceis nitidis. pedunculis numerosis brevibus, apice 3-floris; bracteis amplis ovalo-cordatis membranaceis coloratis persistentibus; calycis limbo truncato; corollae laciniis tubo suo longioribus. — Brasilia.
- §. 3. Stipulis aristatis; calycis limbo amplo colorato.
- ¹⁰ F. COLORATA Bnth. 1. c. 452. f — Stipulis aristatis; foliis oblongis obtuse acuminatis, basi in petiolum angustatis coriaceis nitidis; pedunculo brevi umbellam simplicem gerente; calycis limbo amplo infundibulari-campanulato colorato 4-lobo; corollae lobis tubo suo pluries brevioribus. — Rio Janeiro.
- ¹¹ F. SELLOWIANA Bnlh. 1. c. 453. f — Stipulis aristatis; foliis sessilibus oblongis obtuse acuminatis, basi obtusis cordatisve coriaceis nitidis; pedunculo terminali; umbellula composita corymbiformi; calycis limbo amplo infundibulari-campanulato 4-lobo; corollae lobis tubo suo pluries brevioribus — In Brasilia.
- & 4. Stipulis aristatis; floribus ebracteolatis; calycis limbo parvo.
- ¹² F. PURDIEANA Bnlh. I. c. 453. f — Stipulis breviter aristatis; foliis petiolatis oblongis acuminatis, basi acutis coriaceis marginalia; pedunculis compluribus brevissimis

umbellatim 3—5-floris: calyce truncato integro; corollae lobis tubo superne ampliato paullo hrevioribus. — In Brasilia.

13. F. NITIDA Rntli. 1. c. 454. f — Foliis sessilibus ovatis oblongisve coriaceis nitidis cartilagineo-marginntis; slipularum nervo arisiato secus ramuiu ionge decurrente; umbella subsimplici laxa pauciflora; calyce letragono denticulate*; corollae lobis tubo suo brevioribus. — In Brasilia crescit.

3159. SAPROSMA *Blume*.

(DC. Prodr. IV. 493. — Wlprs. Repert. VI. 45.)

1. S. HIRSUTUM Krlhls. Nedcr. kruidk. Archief II. — Caule fruticoso; foliis subsessilibus obovnlibu? aculis, subius rnmulisque hirsutis; floribus icrminalibus confertis, bracteis subulati? hirsulissimis cinclis. — Crescit in sylvis montis Singalang insulae Sumatrae.

3159/ ? TRIBRACHIA *Krthls*.

(Krlhls. Nederlandsch kruidkundig Archief II. 254.)

Flores in capitulum triflorum connati. Calycis tubus subglobosus, ovario adnatus, limbus breviter tubulosus integerrimus vel obsolete denticulatus. Corollae tubus bnevissimus quinquepartitus, partes lanceolatae trigonae, aelivatione valvatae. Stamina quinque, versus faucem inserta, filameata brevissima, anlhrne oblongae, supra basin dorso affixae. Stigma indivisum cylindrico-clavatum, basi excavatum. Stylus teres. Ovarium disco carnosus coronatum biloculare. Ovula solitaria appensa. Fructus immaturus carnosus bilocularis. Semen . . . ? — Frutex pseudo-parasiticus. Folia ovalo-oblonga, ulrinqie acuminata pergamea. Stipulae interpetiolares subconnatae ovalae acutae. Inflorescentia terminalis racemosa; (lores congesti albi.

1. *T. MORIXDAEFORMIS Krlhls. I. cit. p. 255. — Crescit in sjlvls insulae Sumatrae.

3159/2. RKHOnBIdlila *Krthls*.

(Krlhls. Nederlandsch kruidkundig-Archief II. 255.)

Flores cum calycis tuftis ovatis connati, quorum limbus brevis integerrimus. Corollae tubus brevis v. longior, limbus quadiipartitiis patens, partes oblongae, aestivatione valvalae. Stamina qualuor, tubo corollae inserts tilamenta brevia, nnterae lineares, dorso supra basin affixae. Stigma bipartitum, stylus filiformis, glaber vel pubescens. ^ ad basin disco carnosus cinctus. Ovarium biloculare. Ovula solitaria, in medio dissepi⁶ menti peltatim affixa compressa subrotunda. Fruclus difflformis, con* flu\ u plurium formatus, calycis limbis discisque persistentibus coronatum subsiccus. Bacca bilocularis vel abortu unilocularis, endocarpio char* taceo. Semen extus convexum, intus concavum. Embryo in albumin⁶ carnosus-corneo amphitropus, radícula teres, cotyledones ovatae.— ^{Ar¹¹} busculae erectae. Folia oblonga acuta coriacea. Stipulae basi connata⁶ ovatae. Inflorescentia terminalis spicata.

1. R. OVALIS Krthls. 1. cit. p. 257. — Foliis ovalibus aculiusculis, basi acutis; coroll⁸ tubo elongate — Crescit in sylvis Singalang insulae Sumatrae.
2. R. ELLIPTICA Krthls. — 1. cit. p. 257. — Foliis ellipticis. utrinque acutis; corollae⁶ tubo abbrevinto. — Crescit in sylvis prope Doekoe insulae Sumatrae.

3160. FAVETTA Linn.

(DC. Prodr. IV; 490. - Wiprs. Reperl. II. 480. ft 942. VI. 45, Annal. 1. 373.)

I. Asiaticae.

- * P. CILIOLOATA Krthls. Nedcrlandsch kruidkundig Archief II. 4. p. 261. — Foliis ellipticia utrinque acuminatissimis glabris; stipulis triangularibus aculis; corymbis fructiferis patentibus; bracteis sub fructibus sessilibus ovatis acuminatis ciliolatis. — Crescit ad montem in Pation insulae Borneo.
2. P. PSEUDO-AMBOINICA Krthls. 1. cit. pag. 261. — Foliis ovali-oblongis longe acuminatis mucronulatis, basi aculis; stipulis vaginalibus mucronulatis; corollae limbo duplo majore quam in P. *amboinica*. — Crescit in sylvis montis Prarawin insulae Borneo.
3. P. STENOPHYLLA Krthls. 1. cit. pag. 262. — Foliis oblongis subulato-acuminatis, basi acutis; stipulis inierpeioribus, acumine subulato icriminatis, corymbis terminalibus; pedunculis compressis; dentibus calycis aculis; corollae tubo ad faucem barbato. lobis ovalibus aculis. (Tubus 3, 5 c. m., lobi corollae 7 mm.) — Crescit ad ripas ilumini ^{we}, in montibus Bankon insulae Borneo.
4. P. GRACILIS Krthls. 1. cit. pag. 262. — Foliis oblongo-ovatis acuminatis mucronulatis, basi obtusiusculis; corollae tubo gracili, limbi partibus ovalis acutis; calycis tuba basi Wenuato. — Affinis P. *amboinicae*, at ab eadem diversa ovario stipitato attonuato. — Crescit ad montem Pamalion insulae Borneo.
5. P. ACUTIFLORA Rswdt. mss. ex Krthls. 1. cit. pag. 262. — Foliis late ovalibus breviter acuminatis, basi acutis; stipulis connatis subulatis; corymbis terminalibus trichotomis; lobis calycinis oblongis aculis; laciniis corollae fere longitudine tubi, oblongis mucronulato-acutis; genitalibus longe exsertis. — Crescit in monte Klappanungal insulae Javae.
6. P. ACUMINATA Kthls. 1. cit. pag. 263. — Foliis obovatis acuminatis, basi cuneatis; stipulis triangularibus acuminatis; corymbis terminalibus patentibus hirsutis. — Crescit in montibus insularum Sumatra et Borneo.
7. P. OBLONGA Krthls. 1. cit. pag. 263. — Foliis oblongis utrinque acuminatis; stipulis triangularibus subulatis; corymbis inflorescentibus hirsutis. — Crescit in monte fiatoe-nanta insulae Borneo.
8. P. RANDIFOLIA Krthls. 1. cit. p. 264. — Foliis membranaceis ovalibus acutiusculis, basi acutis cuneatisve; stipulis ovalibus subulatis; corymbis terminalibus; lobis calycis coiollinisque acuminatis. — Crescit in sylvis montis Singalang insulae Sumatra.
9. P. CALYCINA Krthls. 1. cit. p. 263. — Foliis ovatis ovalibus, utrinque acutis; stipulis connatis truncatissubulatis; corymbis inflorescentibus mullifloris; lobis calycis oblongis; corollae partibus spatulatis obtusis. — Crescit in sylvis Singalang insulae Sumatra.
10. P. PHOWANTHA Dahell in Hook. Kew gard. misc. II. 133. — Foliis membranaceis elliptico-oblongis, repente acuminatis, in petiolum brevem attenuatis; stipulis connatis mucronatis, inlus pilosis; corymbis axillaribus terminalibusque; corollae tubo longioris, *hinc* oblongis obtusis tubo quadruplo brevioribus; calycis laciniis parvis acutis reflexis. — Tubus corollae 4-pollicaris. — Habitat in India orientali (Purpoo-lee Gam).

II. Africanae.

11. P. GARDEMAEFOLIA Hochst. mss. ex A. Rich. Tent. fl. Abyss. 1. 351. — Ramiulis glabris; foliis obovatis-oblongis breviter acuminatis am acutis, basi sensim angustatis

- a lit oblongo-lanceolatis et brevissime petiolatis; stipulis latis brevibus acutis, margine lanuginoso - ciliatis; floribus albis cymas breves congestas axillares efformanlibus; calycis turbinali limbo obsolete dentalo; corollae limbi laciniis ovali - oblongis obtusis tubum aequantibus aut vix superantibus; stigmatibus staminibusque exsertis; drupis globosis pisiformibus glabris, limbo calycino breviter tubuloso obsolete dentalo terminatis. — *P. longiflora* Hochst. mss. — Habitat in Abyssinia prov. Choata.
12. *P. ABYSSINICA* Hochst. mss. ex A. Rich. I. c. 352. f — Ramulis pubenti-sericeis; foliis ellipticis aut elliptico-oblongis acutis aut saepius acuminatis, basi sensim angustatis, superne glabris, subulsa pilis raris conspersis; stipulis oblongis obtusis aut acutis, in vaginam oblongam pubentem connatis; floribus albis cymis congestas axillares efformanlibus, calycis pubentis limbo 5-partito, laciniis linearibus crectis tubum calycis turbatum superantibus; corollae limbi laciniis ovalibus acutis, tubo dimidio aut triplo brevioribus; stigmatibus staminibusque exsertis; drupis pisiformibus nitentibus, laciniis limbi calycis coronatis. — Habitat in Abyssinia provinciae Tigre & Chire.
13. *P. NEUROGARPA* Benth. in Hooker, Niger Flora 414. + — Glabra: stipulis caducis; foliis petiolatis elliptico - oblongis anguste acuminatis, basi acutis; corymbis terminalibus subsessilibus; baccis depresso-globosis, leniter costatis. — Crescit in insula Fernando Po.
14. *P. LAEVIS* Dull. I. cil. 415. f — Glaberrima: foliis longiuscule petiolatis ellipticis oblongisve, breviter acuminatis, basi longe angustatis coriaccis laevibus; pedunculis axillaribus petiolo longioribus laxo trichiomis multioris. — Crescit in insula Fernando Po.
15. *P. TEMJIFOLIA* Benth. I. cit. f — Glaberrima: foliis petiolatis ovalibus vel oblongo-ellipticis, breviter et obtuse acuminatis, basi angustatis membranaceis; pedunculis axillaribus petiolo brevioribus irichiomis rutilioris. — Crescit in insula Fernando Po.
16. *P. SYRINGOIDES* B. Webb in Hook. Kew gard. misc. II. 371. 372. adn. f — Ramis junioribus pilosissimis; stipulis c basi lata 7-8; foliis lanceolatis glabris, ad nervos hirsutis; corymbis globosis, ad apicem pedunculorum ternatis, in thyrsum terminaleni digestis. — In insula Gorgona.

3161. *IXORA* Linn.

(DC. Prodr. IV. 485. - Wlprs. Repert. II. 481. VI. 45. & 700, Anaal. I. 373.)

1. *I. GASEI* Hance, Pl. nov. Austral. Ghin. diagn. ined. I. p. 10. — Fruescens: foliis elliptico-oblongis glabris inlegentibus acutis 5—6-pollicaribus, basi in petiolum breviter abeunlibus; inflorescentia centrifuga, cymis maximis densis multioris iricliolo divaricatis; calycis dentibus minutissimis acutis; corollae tubo pollicari, laciniis elliptico-lanceolatis acutis tubo 4-plo brevioribus; stylo glaberrimo panem exserto, male bilobo, lobis subrevolutis. — Flores coccinei. — In insulis Carolinis ad „Strong Island.“
2. *I. GUINEENSIS* Benth. in Hooker. Niger Flora 414. f — Glabra: foliis breviter petiolatis elliptico-oblongis vix acuminatis subcoriaccis laevibus; corymbo subsessili multo brevioribus; calycis limbo truncato subintegerrimo; corollae laciniis tubo dimidio brevioribus. — Crescit in Guinea, in colore man's.
3. *I. VENULOSA* Benth. Linnaea XXIII. 446. f — Glabra: foliis oblongis obtuse acuminatis, basi in petiolum angustatis, venulis creberrimis subparallelis; panicula terminali trichotome corymbosa laxiuscule multiflora; corollae glabrae laciniis oblongo-tubo suo brevioribus. — Brasilia.
4. *I. BAHIENSIS* Benth. I. c. 447. f — Glabra: stipulis breviter cuspidatis; foliis sessilibus oblongis, basi cordatis; pedunculis axillaribus solitariis vel terminalibus ternis

tiilloris, folio brevioribus; corollae glabrae Joini oblongis tubo suo paullo brevioribus. — *Faramea axiUijlora* Mart. Herb. (non DC.) — Prope Bahiam.

5. I. TINIFOLIA Bnh. J. c. f — Glabra: stipulis truncatis cuspidalis; pliciolis brevissimis (lilnuis, foliis oblongis vix obtuse acuminatis, basi oblusiusculis coriaceis nitidulis*; pedunculis axillaribus solitariis et terminalibus ternis trichotomis corymboso-paniculatis multifloris; corollae glabrae laciniis angustis tubo suo gracillimo triplo brevioribus. — In Brasilia.
6. I. SCHOMBURGKIANA finh. 1. c. 448. — *Siderodendron macrophyllum* Bnth. — Wlprs. Reprt. II. 484. no. 1.
7. I. GRACILIFLORA Bnth. 1. c. — *Siderodendron laxiflorum* Bnth. — Wlprs. 1. c. no. 2.
8. I. GARDNERIANA Bnth. I. c. 448. f — Glabra: foliis brevior petiolatis ellipticis oblongisve breviter acuminatis, basi aculis v. summis obtusis laevibus, venis tenuibus; paniculis terminalibus trichotome corymbosis paucifloris; corollae glabrae lobis ovatis obtusis tubo suo brevioribus. — In Brasilia.
9. I. BREVIFOLIA Bnh. 1. c. + — Foliis oblongis acutis, basi in petiolum angustatis crebre venulosis reticulatisque caulique glabris; panicula minute puberula terminali trichotoma corymbosa laxe multiflora; corollae glabrae laciniis oblongis oblusis tubo suo longioribus. — In Brasilia prov. Minas Geraes.

f Icones addendae.

- J^r HARBATA Roxb. - (DC. Prodr. IV. 487. no. 17.) — Hook. Bot. Magaz. tab. 4513.
- I. JAVANICA DC. I. c. no. 12. — (Wlprs. Annal. I. 373.) — Morren, Ann. de la soc. J'hortic. de Gand IV. 135. tab. 190.
- *. ANCEOLARIA Colebr. — (DC. 1. c. 488. no. 20.) — Hook. Bot. Magaz. tab. 4399.
- J. LONGIFLORA Poir. — (DC. 1. c. 491. no. 13.) - Hook. 1. c. tab. 4482.
- *. SALICIFOLIA DC. 1. c. 487. no. 14. - (Wlprs. Annal. I. 373.) - Hook. 1. c. tab. 4523.

3163. CHOMELIA Jcq.

(DC. Prodr. IV. 484. — Wlprs. Reperl. II. 942. VI. 45.)

- *. C. PEDUNCULOSA Bnth. Linnaea XXIII. 445. + — Molliter hirsute: foliis petiolatis acuminatis; pedunculis elongatis apice confertis cymosis; calycis laciniis majoribus tubo suo longioribus; corolla extus villosa, laciniis acuminatis. — Brasilia.
- *. *CH. BARBINERVIS. Moric. mss. ex Bnh. Linnaea XXIII. 446. — *Anisomeris spinosa* Prsl. - Wlprs. Reperl. VI. 78. no. 1.

• f Icon addenda.

- C. H. TERNUIFLORA Bnth. - Wlprs. Report. II. 942. no. 1. — Miqu. Stirp. Surinam, select. 174. f. tab. 50.

3167/., PROSCKPHAIETIOT KrMs.

(Kerthls. Nederlandsch kruidkundig Archief II. 248.)

- C. Calycis tubus ovatus, limbus[#] brevis integer. Corollae tubus brevis c. YHndricus; limbus quinquepartitus, partes ovatae, aestivatione valvata. Stamina quinque, infra faucem inserta, filamenta breviter linearia, sub anthera dense barbata, antherae lineares, locellis basi approximatis, aPice magis minusve distantibus, connectivo membranaceo, dorso supra

basin affivae Stigma capitatum subbilobiim lobis tiuncatis, stilus cylindncus, basi disco carnosio cinctus Ovauuni biloculare (hula solitana bisi affixa Drupi tjobosa compiled, disco umbonata dipvicna Puenae osscac elus comexae mgosac inlus planat, medio costatae, serninibu^ impletae Siminum ttsia mcmbianacea Embryo crectus, in medio albumims cainobO-cornei nnnulus ladicula lcreti ucula, coljldonibus lanccolalis — liulc\ pbiudo-pdiasitiuib Folia opposita conacca oblonga utnnqac acummria supia ^cluhno-nitentja (omnbi teirinales tiichotomi

- 1 PR JWVMIUM KuhU 1 t — *Chwtotca laiamca* Blunu — DC Piodi IV 583 no 5 — (rescit in sylvis monianis insuhs Ja\ic

3169. DECLIEUXIA // B Kntli

(DC Piodi IV 479 - Wlprs Repert II 483 [exel no 1] VI 46)

- 1 D SCABRA Bnth Linnaea Will 465 +— buffi uticosa pube brevissima scabrd foliis opl osilia ovuis oblusiuscul s bdsi anpiisntis onus pamculatis lermimlibus densiflons — Brasilia

3175 CUTTHIUIA Linn

(DC Prodi IV 473 - Wlps Repeit II 484 VI 47 & 700 Annal I 374)

- 1 (ANP* \FOLIIM B Webb in Hook kew gmd misc II 370 + idn — Inerme folns late o\Tis> &subcoidalis !>upia ghbicscentibus sublus ad neivos bnsuiis siipuli^ braceisque connatis braceolis sqmmacfoimibus caljce edeniulo coiolla ventucosa. flucc | \leacca annulala st\lo Ion,c exseilo stigm tie ovito bisi sulento — In insula Gorgona
- I C TIUACVMIIUM B Webb 1 c 371 f — Rimia \alidis Sjim, ternalis aunalis ramul^s pubescentibus stipulfs lincinbus folus hnccolato-ovalis ovitisque b F¹ l olundatis. mollibiis \eni:> puberuli^ enhos hciniib htis o\atis teversib coiollh tubulosi intus sub medio pncacea shlo brevikr ex&ciio stigmitt plibeiumo — In in^uh Gorgona
- 3 *C HORIZONTALIE Bnlh in Hook Nigei I Ion 408 — *Phallaua hoi uonlahs* Schum a Thonn — DC Prodi IV 619
- 4 C DlbCOI OR Bnih I c 409 f — Incunevtl lanus sptosum folii^ ovalis, oblongisve icuminilib bisi cuneilis subtus pallidly id vents nmulisque no\cllis rufo-pubescentiibus cjmis pedunculatis lamosis niultiflon^ corollac penlameuc tubo ad mediuoo innul »to — fiesnt in Sicm Leone
- 5 C HISPIDLM Bnth 1 cit f — Folus br\issime peuolatis coidaio-o\atis oblongisve ramulisque pilis longis spiisis Inspidis c\mn& bicMSMfine pedunculatis dense mulu^o flons caljce tiuntato \i\ dentito corollac tubo hciuiis lonp^oioie — Lie*cit in Sierra Lcotie
- 6 L SFHIMPLRIAMM A Rich Tent fl Ab\ss I 3oO — Ineime folus br\iiei petiolili* o\oh oblongis aut elliptitis iciununtib subobiu'sis btsi scniin angubltis glnbri*. supcine nituiis stipula interi euohn basi laja et cum tlten subcoalita npice acumi* nan flonbus paivuli* longe pedicelhtis in axilla foliorum fas,ciculatis pedunculi^ piaeserlim versus bisin subpubentibu^ limbi caljcini deutibus 5 latis mugme cihatis coiollac lubo brevi limbo evplanalo o piitilo sligraac cia»so subteiiti bisi abrupt tiuncato apice \ix bilobo iliupi globoso depres^a compic^sa pjenis> osseis rciU^o loinnbus iugo>is — *thallaria bchimpei* Illochsl ms> — In Abyssimae piov Tigr^.

- 7 C GUEJNZII Sondpi. Linnaea XXIII 54 f - Ramulis mcimibus pubescenubus, foLjjs
br^osei petiolaiis oblongis cuspidalo-acuminatis, basi subcordatis reticulaio-venosis,
venis pellucidis, junionbus ndpresso j>ik<wi>, adultis supra glabria Jucidis, sublus in
neris pilosiusculN cymis nxillnubus poduncirialis bihdis mull/flons lolio 4-plo bra-
vionibu< pecimiclib, pedicellis calvcibusque pubescentibus, caljce 5-denlalo, corollao
extus flabi ic lobiv rL\otulis tubum icquantibus sl>lo e\sfito, aigmaie mitmeformi
~ Porl Natal
- 8 C APPHON\TUM Killils. Nederlandsch Kiuidkundig Aiclief I! p 234 - Inenne
fol^{is} lato eJlpticjs obiuse acuminatis, bābi acuns cymii axillauljus multiflons; fructi-
bus obouns iuncaiin compisesu* — desert m insula Borneo prope Banjcrmassing
- 9 C UMIJ-LLATUM Krllih I ut p 235 - Ineime folus obovahbus dcommatis, basi
ūnoaiis, unibellulib peduuculaiis, cupula biactcarum Misenli^ axillai ibus, frutUbus
obcordatis compressjs sulcatis, basi obtusis - Crescu ad monum Pamaiton insulue
Borneo
- 10 C COVFCRTUM Krllhs 1 c — Inerme folus ellipiicis acummaus, ba>xi atienudtis,
peduuculis aYlllanjus uniiions confeitis coiollae lubo bicussimo frnciibus pynfor-
mibu
- 11 C ULLIFOLIUM Hook In Mitchell> Journal of topical Australia pag 397 adnot —
Foljjs ovalo, oblongis oblusis & laiC<. ^si in petiolm giacilera attenuate, slipulis
parvj⁸ auus, fructibus did}mis — Ciescit in Austral/a onenioli tropjea

3175/2. KRA tSSIA Ithrv

(Wlprs Rcpn VI 47)

- 1 KR LAACKOLATA Somler, Lmnaea XXIII 53 f — Ramis glbnbs quadnsulcatis,
fol^{is} petiolaiis lanceolaiis acumjnaii^ jnirgenms glajns cymit> axillmibus inuluilons
folio litulto breviubus biarieolts opposilis amplecteniibus ciliolalis caljce quinque-
fido acuto corollae tubo breu, fauce subvtllota, filamenua exseitls anilieras sub-
ae^oUrtm> buj> jijj^ante lufido silo tnpio bie\ioie, lobis ciassiusculii revoluts. —
PhaWtals lanceola a E Mey mss* ~ Porl Natal
- 2 KIRCOBI ACAA Sondei 1 c 51 f — Ramis pillidis glabns subangulans, fohis cona-
cuis ldis<ime pctulads oblongia acutiunulis integemrois glabus, matgine subra-
acuis> fjinis axilla! ibus folo mplo bilMonbu^ biatteolis spaisis calyce quinquefido
tnp j^o C010, ae lu, 0 bre>i, fauce birsutissima, anlhens lineanbus exsertis (ilamenta
sup< P<ranlibii5>, sdgmaie bifido stylo subquaduplo bievieioe, lobis trassiusculis
FeVolubJS - Porl Natal

3176 DIPtOSPOBAM:

(DC Piodr. IV 477)

- 1 D ^o/ero) SINGULARIS Krllhs. Nederl kruidk. Arch II 201 - Foliis obovali-
obl^ongis obiuse acuminalis, basi acutis, stipulis acutis flonbus axiliaibu^ supiaaxiU
l^oousvc conferiis — Credit in insula Borneo ad montem Ranlau

3176/1 ? IiACHMkSTOXIA Kithte

(Kithls Nederlandich kruidkumljg Ai chief II 201)

den^olycis iuiius cum o^ano connatus obo\atus, limbo brevi quadu-
> Corollae tubus infundibuhfornus, iauce dense lursuta, limbo

quadripartito, partes ovatae aculinsculae, in medio barbatae, aestivatione subimbricata. Stamina 4 fnuci inscrla, filamenta brevissima, antherae lanccolatae. Stigma biparlilum, stylus teres. Ovarium disco carnosu coronatum biloculnre. Ovula solitniia, infra apicem nffixa descendentia. Fniclns (immalurus) suhrarnosus, calycis limbo coronnlus, podieollatus subglobosus. Semina descndciiliu depresso. Embryo analropus. lihaphc in superficie seminis decurrens.

1. *L. TRIFLORUM Krllils. 1. cit. p.202. +— Crescil in sjlvis Mulintng insulac Sumalra.

f *Genera verosimiliter Coffeacea.*

1. SIPHOHrAWDRA *Turczan.*

(Turczon. Flora [B. Z.] XXXI. 712.)

Calycis tubus turbinatus cum ovario connatus, limbus brevis quin-
quedentalus, dentibus obtusiusculis. Corolla tubulosa quinqnepartita,
laciniis tubo aequalibus linearibus Jonpis. Filament a quinque basi in
tubum, fundo corollae adhaerentem coalita, parte libera filiformi exserta.
Antherae oblongo-lineares biloculares terminales, longitudinaliter de-
hiscentes. Ovarium biloculare, locnlis unioMilalis, ovulis ex apice loculi
pendulis. Stylus filiform's, longiludine fere filamentorum. Sligma par-
vum capifcllatum indivisum. — Arbor sen frutex: foliis oppositis pe-
tiolatis ovato-lanceolatis, utrinque acutis penninerviis glabris; stipulis
interpetiolaribus e basi ovata acuminatis deciduis; cymis in axillis
superioribiis nascentibus foliis brevioribus multiflorisdensis; pedunculis#
calycibus corollisque adpresse sericeis; floribus virescentibus, limbo
fulvo. — Genus distinctissimum filamentorum cohaesione et antheraruro
insertione.

1. *S MEXICANA Turczan. 1. c. — Crescit in Mexico. Oaxaca alt. 3000 ped.

2. CRATERISrERItIIJM *Bnth.*

(Dnth. in Hooker, Niger Flora 411)

Calycis limbus brevis subsinuatus. Corollae tubus brevis, **limbi**
lacinae quinque inflexo-acuminatae, aestivatione induplicato-valvata*
Stamina ad faucem inserta, filamenta brevia, antherae obldhgae, sub*
exsertae. Stylus apice clavatus subinteger. Ovarium biloculare, ovuli^s
solitariis ab apice loculi pendulis. Bacca globosa laevis, abortu (^{all}
consfanter?) unilocularis monosperm^ Semen pendulum hemisphaericu^
extus laeve, inlus ex^cavatum fere pateriforme, albumine carnosu-so?'
corneo, embryone parvo. — Frutex AtVicanus: cymis densis multiflo^{ris}
axillaribus pedunculatis.

1. *CR. LAURINUM Bnth. 1. cit. 411. f - *Coffea laurina* Smeathm. — DC. Prodr. &
499. — Crescit in Sierra Leone.

Tribus VII. *GVETTARACEAE* Kuhl. — DC. Prodr. IV. 446.Subtribus I. *MOMNDEAE* DC. 1. c.3183. **MORIHirDA** Vahl.

(DC. Prodr. IV. 446. — Wlprs. Report, II. 485. VI. 48.)

- *• M. LUCIDA Buth. in Hooker, Niger Flora 406. j- — Arborea glaberrima: ramis subtetibus; foliis brevissime petiolatis ovalibus nitidulis; stipulis abbreviatis; pedunculis oppositifoliis subternis compressiusculis; capilulis parvis globosis. — Crescit in insula Fernando Po.
- ² M. (*Padavara*) JACKIANA Kthls. Nederlandsch kruidkundig Archief II. 4. p. 227. f — Fruticosa hirsuta: ramulis subleiragonis; foliis ovalibus acuminatissimis, basi obtusis, supra et subtus adpresse pilosis pubescentibus; stipulis junioribus brevibus, adultioribus vaginaciformibus; capilulis nullis longe pedunculatis terminalibus umbellatis — Crescit in insulis Java, Sumatra et Borneo.

3183A. **SFHAEBOPHORA** Blume.

(Blume, Mus. bot. Lugd. Bat. p. 179.)

Flores in capitulum globosum aequilaterum. Calycis margo superus lobatus, truncatus. Corolla supera, profunde quadripartita, (v. potius ¹tripartita, pelalis erecto-connatis ima basi inter se coalitis?), ²intus villosa, praefloratione valvata. Stamina 4 inclusa, filamenta brevissima, antherae lineares erectae, dorso ad basin affixae. Ovarium ³inferum, 4-loculare, disco epigyno depresso. Ovula in loculis solitaria, ⁴basi ascendente, anatropa. Stylus filiformis, stigmate subbifido. ⁵Fructus . . . — Fructus scandentes Novo-Guineenses.

- *• ⁶H. GEMELLA Blume I. c. no. 409. fig. 38. — Foliis ovalo-oblongis vel ovato-lanceolatis; pedunculis (c. tuberculis squamulis circumnatis) solitariis vel geminis petiolis brevioribus; capitulis 3—5-floris. — In Nova Guinea.
- *• ⁷PH. GLOMKRATA Blume I. c. no. 410. — Foliis ellipticis vel elliptico-oblongis; pedunculis subumbellato-confertis petiolum aequantibus; capitulis multifloris. — In ⁸Nova Guinea.

Subtribus II. *GUETTARDEAE* DC. 1. c. 450.3190. **M3BFIIIT1DIA** Reinw. (nee *Memphitidia*.)(DC. Prodr. IV. 452. — Wlprs. Report. VWT9. — *Lasianthus* W. Jack in Transact. of the Linn. Soc. XIV. 125.)

- *• M. BRACTEATA Wght. in M' Clelland's Calcutta Journ. of Natur. Hist. VI. 501. (cum ⁹omnibus sequentibus speciebus sub LASIANTHO!!) — Undique, excepta sola foliorum

- pagina supeia, pilosa foln[^] linennbus lanceolatis acuminaus, supra glabns, costa media infcmquo tons fuscscqnti-hiteo-pilos/s bracteis numerosis, exterioribus geminis loliaccis ovato-coidalis acuminatis, mtcnoiibus augustionbus, mtimis lineiu-subulalis, omnibus pilosissimis. floubus axillaubus sessilibus libens, caljce quinquepartilo, laciniis giaciliter subulatis, coiolln „ », ovauo quinqueloculan — Habitat in Malacca
- 2 M JACKIANA Wglit 1 a.502 — Fiuticoaa, undique pihs longis flavscsentibus e basi lation (ghndulau?) oiHindis vctna* ramis tcielibus, mteinodus brevibus stipulis ttiangulanbus bicvibus, bisi lalis mlus (supia) glabns, folns subsessilibus ovato-lanceolati*. brcvJtci abiupeleque acuminatis, iloubus axillaubus subsessilibus aggregatis paacis (teims qualeimsv), bracteis duabu* foliaccis lanccolali* subtensis cilyce profun de qnadiiOdo, laciniis ovalo-lanceolalis, ulrinque pilose, corolla caljcem circiter aequante, mlus ghbra, laciniis ciliatis oiano 3—4-loculan, drupa parva — Habitat in India oncniah (Neilgherncs)
3. M ROXBURGHIIWght 1 c 502 — Tiuticosa bnsula folns brevier peiiolalib lanceolanbus inicgus acummitis (loribus axillaubus sessilibus, quam brucleae njimcrosae lanceolalac inulio brevionbus, baccis pentaspeimis, — *Tnostium husulum* Rxb. — In India oucnldli (Chitlagong)
- 4 M (LASKMIJUS Wghi 1 c 503) WALLICIM Wght a Arn Prodi, fl penins Ind. oi I 30 — Fiuticosn folus subsossilibus oblongis acuminatae, basi inaequalibus, conaceis, junioubus pilos, demuin ghbriuscuh, stipuhs lincan-lanceolalis hispidis; bracteis numcrosis linean-lanceolatis ti incivns hispidis cilialis, coiollam subaequantibus flonbus numerosis axillanbus sessilibuj. caljce quinquefldo, laciniis lanceolatis acuminatis peisistentibus corolh infundibti'iformi hispida, tubo circiter pollican, limbi quinquefldi laciniis lincaiibus obtusis pilosis. tubo bievionbus, ovauo quinqueloculari. gemmulis erecliN, stignnte qmnqutlobo, fiuctu (lmmaluio) baccato⁹ — *hoiatilea hisjnda* Rvb — In Indn ouentali (billet)
- 5 M. M00MI Wght 1 c 501 — Fiuiicosa iamuli« levilci compie»s,js pilose foliis brevitei petiolatis o\alibus cuspidatis v bre\iter acununalis conaceis glabns, superne mtidis, mfa giosse leticulais pilosisque <tipuli[^] brevibus obiusis cum petiolis bracteisque pilis validis dense vctitis bracteis numeiosis bievibus, extenoubus orbicularibus cuspidate, brcMtei acuminatis intciIOibtis giaciliter subulalis, floubus numcrosis axillanbus umbellaliu, bievilei pedunculatis calycibus campanulatis, limbo 4—5-fldo piloso, corolla . ?, o\ano 4—5 - loculan — Habitat in Zejlania msula.
- 6 M GRirFITHII Wght 1 c 505 — Fiuiicosa minis praecipue ad nodos compressis, junionbus pilosis, demum glabns folus late lanceolalis acuminatis. supra medium latioubus, supra glabus infra pubescpnlibus, ad venas pilosis slipuhs late triangulanbus apiculatis flonbus sessilibus nggrrgalis, a bracteaum subularum pilosissimarum in\olucio uiclusis caljcis limbo circitci soptemfldo, lacmiis acuds dense longequ pilosis. coiolla sepleinparlita id faucem lacinusque pilosissimis, slamimbus 7 sessilibus, su\o filifoinu, siiginato capitato scpiemlobo, o\ano 7-loculan — Habitat in India onentali (Malacca)
- 7 M RLTOsa Wght 1 c 506 — Fiuticosa lamulis leretibus pilosissimis folus ovato-hnceolatih acummalis breviter peliolalis conaceis glabns (excepta sola'costa supra)t infra pilosis Aonisque reiiculatis cximie notitis, reticulatiombus supra impressis, iHFA prommulis, stipulis pai w» tnangularibus bracteis subulatis pilosis calycem subae* quantibus dense ngideque pilosis flonbu^uimerosis sessilibus ciljcis quinquepartiu segmentis subulalis pilosis, corolla sepie^RIa, slamimbus septenis, ovauo septenfflo* culan — Habitat in India onentali (Mount Ophir, Malacca).
- 8 M PILOSA Wght 1 c — Fruticosa ramis villis longis nigus hiisutis. slipulis long^s subulato-acuminatis folus sessilibus semicordatis v basi subinaequilateis acuminati>* utunque scd piaecipue infra brevier pilosis, biaclearum caljcisque pilis nigcantibu*

- v obscure fuscis, biacteis paucis anguste lanceolatis, calyce sexfldo, fructifero aucto. laciniis subulalis gracilibus peismtentibus. corollh . ?, ovano 6—8-loculan, fructu P'loso, calycis limbo longe villosa coionato — Habitat in India orientli (?)
- 9 M ELLIPTIC A Wght 1 c 507 — Frulicosa ramis pilosis, loins bre\iter petiolalis ellipticis, utnnque acutis membranaceis, supia glabernmis, infra exceptis vems pilorumque fasciculo ad apicera glabns flonbus paucis axillanbus sessilibus stipulis subscariosis quam petioh longionbus pilosis, in acumen subulatum abeuntibus, bracteis Pilosis linearl-subulalis calyce longionbus calycis limbo quinquepartito. scgmeutis lanceolatis pilosis, corolla pilosa qumqueflda, stamimbus 5, ovano quinqueloculan — Malacca
- 10 M. BLUMEANUS Wght 1 c 507 — Frulicosa glabia lamulis teietibus, foliis bieveler petiolatis elliptito-lanceolatis acuminatis glabns, stipuhs tuaiigulaiibus acutis, ubus aggregatis paucis, biacteis brevibus subulatis pilosis, calycis limbo piofunde <quadnflido, lacinnis lanceolaiis acutis persistentibus glabns, corolla qundnflida intus PHosa stnminibus 4 in fauce corollae subsessilibus, ovano quadriloculan, *stjlo corUam aquante stigmate piloso, drupn globosa — In India oriental) (Coutallum).
- 11 M (SANTIA W^{ht} & Arn — ^PTM Reperl VI 49* no * > VENULOSA Wglil 1 c. vel — Frulicosa glabia folns conaceis breviter petiolatis elliptico-oblongis cuspidas acuminatis, supra glabus, vems utnnque prominulis, infra pilis conspersis, cyrais J^{XI}lanbus brevitei pedunculatis pauciflons, biacteis parvis pilosis, calyce 4—5-partito, ac>nns subulalis tubum corollae aequanlibus. corollae 4—5-fldae fauce lacinusque P^losis, siamimbus 4—5, shlo corollam aquante v saepius supeiante. siigmale 3—5-ovani oculis nuineio stigmalis lacimarum, singulo umgemnilato. gemmulis ar<<ctis — *Lasianthus venulosus** Wght Icon plant tab 1032 ft Spicil Neilgherr I. *o lab 96 — Habitat vulgans in peninsula Indiae onentalis (ODiacamund, Neilgher-nes).
- 12 M &ICHOTOMA Wght. 1 c — Fruticosa ramis glabns teretibus, ad nodos compressis. loins breviter petiolatis elliptico-ovatis vel basi subcordatis cuspidas glabns (ex-Cepl'o petiolo brevi), in venib sparsim pilosis, stipulis lanceolais petiolos aequanlibus ov^vall^s. cymis axillanbus solitanis longe pedunculais semel bisve dichotomic, divisionⁿns racemosis, flonbus secundis, biacteis subulalis spaisim seto&is. caljce profunde 2^{Ua}<luffido, Uciniis lanceolais aculis, saepe fasciculo pilorum apiculatis, corollae tuni subaequantibus, corolla infundibuliformi quadnflida, fauce lacinusque pilosis; stⁿminibus 4 mclusis. stylo exseito, stigmale quadnflido, ovano quadnloculau. — In lQdl^a oueniali (Sheva\$herry hills, altitud. 3000 pcd)
- 13 M CILIATA Wght. 1 c 509 — Fruticosa ramis terelibus tomentosis, folns conaceid^o lanceolais acutis, supra glabns, petiohs foliisque subtus. prai*seriim in vems r^osis, margme ciliatis, stipulis brevibus tnangulanbus utnnque pilosis flonbus ag-^oeat^s axillanbus sessilibus. bracteis minutis pilosis, calyce 3-4-partno. laciniis utnoque pilosis. tubum corollae aequantibus. corolla parva 3—5-fldia pilosissif^a. antheus sessilibus oblongis. stylo brevi. stigmate 3-4-fldo. ovano 3-4-lotu-Ind^{ra} frUCIU pisum majus «ⁿin*enle^r nucibus dorso bullato - corrugatis. - Habitat in d^{la} onentali (Neilghernes).
- 14 M HOSTRATA Wght 1 c 510 - Fruticosa ramulis tereUbus ad nodos compressis pilosissimis, folns breviter peliolatis elliptico-oblongis vel linean-lanceolatis. f^ooiundat,s interdumve attenuatis. ap^hice IO acumen contractis. supra glubus. infra J^{rib}escentibus, praecipue in vems petiolisj^stngosis. stipulis parvis atutis pilosis, Oribus Paucis (1^3-nis> sessilihus. bra^mmutis mconspicuis. caljce pilosissimo J^{Ua}lriQ(io, inciuni late sinuatis. margimbus longe piloso-cilialis. corolla inlus p^{nte}esce^{de}nte. antheus subsessilibus mcumbentibus, slylo tubum corollinum longe exce-^{Sh}de^{te} sllff^{mile} quadnlobo, ovano quadnloculari. — In India onentali (Courallum ft -evagherry hills)

- 15 M PTEROSPERMA Wght 1 c — Fruticosa ramulis valde compressis strigoso-pilosissimae supuliciferae mangularibus aculis quam petioli brevioribus, foliis lanceolatis abrupto acuminatis glabris (exceperis venis), floribus axillaribus sessilibus 3—5-nerviis diggatis, bracteis minimis calyce sparse piloso profunde quinquefido. segmentis brevibus obtusis, ovario 5-loculari, fructu globoso sicco acute angulato-sulcato 4—5-pedunculato, nucibus bisulcatis, dorso triangulari-cosialis — Habitat in Malacca
- 16 M CAPITULATA Wght 1 c 511 — Fruticosa singoso-pubescentibus foliis breviter petiolatis conatis ovato-ellipticis acuminatis vel ovatis oblongo-lanceolatis. apicem versus attenuatis glabris, stipulis minimis mangularibus pedunculis axillaribus petiolos subaequantibus. pauci-(3—4)-floris floribus sessilibus capitellatis bracteis parvis subulatis, calyce 4—5-fido, lacinis latis ovatis obtusis obsolete nerviis, corolla ante expansionem pilosa, ovario 4—5-loculari — In India orientali (Neilghemes).
- 17 M AFUMINATA Wght 1 c — Fruticosa ramulis teretibus pubescentibus, foliis conatis nitidis glabris, ad nervos puberulis, lanceolatis, ulnque acuminatis, apice mucronato-tuspidatis stipulis brevibus subulatis pubescentibus, floribus axillaribus subsessilibus binis terminis aggregatis, bracteis inconspicuis calyce piloso quadrifido. segmentis triangularibus obtuse, corolla tubulosa quadrifida glabra, intus pilosa, stylo tubo jequante vix exserto, stigmate 3—4-fido ovario 3—4-loculari — Habitat in India orientali (Pulney)
- 18 M PARVIFOLIA Wght 1 c 512 — Fruticosa glabra foliis obovato-lanceolatis ODONTUMS, basi attenuate, minusque glabris, venis gracilibus transversalibus inter venas nervos parallelis et c. rectis reticulacionem elegantissimam conficiuntibus floribus axillaribus sessilibus 2—3-nerviis aggregatis bracteis nullis vel nullis, calyce quadrilobo glabro corolla tubulosa quadrifida, fauce lacinisque limbi pilosis, staminibus 4 ad faucem vix exsertis, ovario 3—4-loculari, fructibus pisiformibus — Habitat in India orientali (Coulallum)
- 19 M STRIGOSA Wght 1 c — Fruticosa ramis teretibus strigosis, foliis petiolatis ellipticis acutissimis coriaceis glabris nervisque supra, infra ad costas tam venasque strigosis stipulis brevibus triangularibus acutis, floribus aggregatis axillaribus sessilibus, bracteis nullis vel inconspicuis, calyce campanulato strigoso, limbo breviter quinquelobo, lobis mangularibus ciliatis corollae tubulosae limbo 4—5-fido piloso, antheris inclusis, stigmate capitato exserto, ovario 4—5-loculari, — Habitat in Zeylana insula
- 20 M WALKPRIANA Wght 1 c 513 — Fruticosa ramis sparse strigosis pilosis glabris Unsuve compressis, foliis conatis petiolatis lanceolatis acuminatis mucronato-cuspidatis, supra glabris, infra ad venas marginesque sparse pubescentibus, exsiccatis margine revolutis, venis utnque prommulis, stipulis mangularibus breviter acutis, floribus sessilibus axillaribus aggregatis ebracteatis, calyce campanulato, limbo truncato quadrenulato-dentato. corolla tubulosa quadrifida, limbo fauceque pilosis, staminibus quatuor, stigmate subexserto capitato - quadrilobo, ovario 3—4-loculari. •— Habitat in Zeylana insula.
- 21 M LONGIFOLIA Wght 1 c 514 — Fruticosa glabra ramis leivibus, foliis magma breviter petiolatis lanceolatis acuminatis glabris, stipulis petiolos aequantibus acutis. ad basin supra pilosis. foliis piucis axillaribus sessilibus, calyce truncato minute denticulato, ovario circiter 7-loculari, nucibus tenuibus compressis, doiso convexis. —* Habitat in India orientali.
- n M. CONSTRICTA Wght 1 c 515 — Fruticosa ramulis teretibus ad nodos incrassatis glabris vel versus nodos sparse pilosis foliis subconatis lanceolatis utnque attenuatis, interdum subinaequilatis, nervis cuspulatis, utnque glabris sed ad venas sparse pilosis, venis prommulis, costa prouidente, stipulis minutis acutis, floribus axillaribus sessilibus fasciculatis. bracteis minutis pilosis, calycis limbo dilatato quadrilobo. (corolla?) ad faucem constricta, ovario quadriloculari — In India orientali (Meigui).

- ^3 M PAUCIFLORA Wght 1 c — Ramulis teretibus, versus apicem tomentosis, in femore frequenter pulveraceis foliis subsessilibus elipso-oblongis, basin versus attenuatis, graciliter acuminatis, supra glabris, infra sed praesertim in nervis pilosis, stipulis petiolorum superantibus subulatis acutis caducis, anulum squamellarum setacearum relinquentibus foliis soli tamen sessilibus calyce glabro quadridentato, dentibus truncatularibus obtusis — Habitat in India orientali (Mergui)
- 24 M (7) DLUIA Wght 1 c 516 — Fruticosa ramulis compressis pilosis, adultis glabris foliis petiolatis obovato-lanceolatis, basin versus attenuatis, apice acuminatis, supra glabris, infra pubescentibus et ad costam venaque dense pilosis, stipulis martine scanosis obusis inflorescentia cymosa, pedunculo communi elongato in botomo, nervis omnibus in fasciculum compilatum folium 3—7 sessilium bracteolarum abrupte abeuntibus calyce dense piloso, limbo tubuloso truncato obsolete 5-dentato, intus glabro corollae brevis limbo quinquelobo fauce lacinisque pilosis, antheris magnis subsessilibus exsertis ovano a disco carnosio, ipso majori coenocarpio biloculan, filamentis solitariis erectis compressis orbiculatis, stylo corollam aequante, stigmate bilobo, fructu ? — In ZeUama
- 25 M ? FOETENS Wght 1 c 517 — Fruticosa vel suborborea glabra foliis petiolatis glabris ovato-elliptico-lanceolatis acutis vel subacuminatis, basin versus attenuatis breviter petiolatis, dura crescunt odorem foetidissimum spargentibus, stipulis acutis cuspidatis, pedunculis axillaribus solitariis articulatis, ad nodos bibracteatis unifloris, bracteis geminis minutis ad basin calycis, corolla infundibuliformi quadrifida tubo lacinisque limbi glabris, staminibus tubo insertis, filamentis brevibus, anthera magna oblongis non exsertis, stylo corollam aequante, stigmate subclavato bilobo obtuso, ovano biloculan, ovulis duobus erectis — Habitat in India orientali! (~~Neuberria~~)
- & M. OVATA Krthls ^ederlandsch kiudkundig Archief II p 221 — Fruticosa foliis oblongo-ovatis acuminatis, basi obtusis vel subcordatis, supra glabris, subtus uti et in pedunculis, caule calycique hirtis, capitulis paucifloris pedunculatis. — Crescit in sylvis montis Merapi insulae Sumatrae
- P *ohgoneura* foliis saepe longioribus, nervis paucioribus — Crescit in monte Sakoembang insulae Borneo
- 27 M APIOGARPA Krthls 1 c p 221. — Fruticosa foliis oblongis acuminatis, inflexis basi acutis, supra glabris, subtus in nervis, petioli cauleque senceo-tomentosis, foliis axillaribus conferlis, bracteis lanceolatis tomentosis, fructu glabro pyniformi, calycis partibus communibus coronato — AM *tomentota* differt bracteis inaequalibus, fructu pyniformi nee globoso truncato. — Crescit in sylvis ^ingalang Sumatrae.
- 28 M PLATYPHYLLA Krthls 1 c p 222 — Fruticosa ramulis glabris foliis ovatis, breviter acuminatis, basi acutis, vena parallelis, supra glabris, nervis subtus stenososis foliis conferlis axillaribus. bracteis lanceolatis stenososis cinctis, fructu pyniformi, lobis calycis lanceolatis erectis hirsutis coronato. — Crescit in insula Sumatra ad montem Smgalang
- ^ M GHRYSONEURA Krthls 1 c p 222 — Fruticosa ramulis fusco-fannosis, foliis ovatis - oblongis acutis mucronatis. basi acutis, supra glabris, subtus in nervis chryso-senceis. stipulis oblongis acutis; floribus dense in axillis congregatis, bracteis lanceolatis, fructu globoso, basi attenuato, calycis lacinis incumbentibus coronato — Crescit in sylvis montis Patveha insulae *JamB*
- 30 M MUCRONULATA Krthls 1 c p. 225 — Raris pubescentibus, foliis ovatis mucronulato-acutis, basi cuneatis undulatis, subtus in nervis flavido-pubescentibus. fructu atriUari sexpyreno, stipulis positione inaequalibus acuminatis — Crescit in sylvis montium fialaian et Pamatlon in Borneo et Sumatra

- 31 M RUFIA Krthls 1 c. 224 — Folns oblongo-ovatis ncuminatissimis. basi inaequilatellahbus, utnque hirsulis, slipulis ovatis aculis hnsutis fructu axillan pubescento, lobis calycis hir<utissimis — Ciesut in sylvis monlis Burangiang insulae Javae
- 32 M (*Dywsmta*) DICHOTOMA Krthls 1 c p 224 — Folns ovalibus bieviter acummatiss, basi acutis stipulis minutis tnangulanbus Imsutis flonbus subracemosis dichotomis pedunculo communi elongato — Crescit in s\lvis inontis Gede' insulae Javae.

3191 VABTOCERIA *Commers*

(DC Piodi IV 454 — WJprs Repeit II 486 a 942)

- 1 V. INFAUSTA Burch. Tiav II 258 259 c IC — Sonder, Linnaea XXIII 57 t — ^
tomentosa Hochst — Wlprs Repert II 942 no 1
- 2 V» CANTHIOIDES Bnth in Hookei. rsigei Floia 408 f — Inermis pubescenti - hirta folns ovatis oblongisvc acuminatis, basi rotundatis cymis brevissime pedunculatis subtnilons, corollae pentameræ tubo supia medium annulato — Crescit in Sierra Leone
- 3 V PARVIFOLIA Sonder, Linnaea XXIII 58 f — Ramuhs iufescentibus folns flonbusque veluino-tomentosis folua subsossilibus orbiculaiis subncutis paucinervns avennis, cfQkis nxillaribus sessilibus calycis dentibus aculis hirus corolla duplo brevionbus, ovano quinqueloculan, stigmatè 4—5 - dentnto — In Promontono bonae spei (Magalisberg)
- 4 V. MACROGALYX Sonder 1 c 59 f — Ramulis, folns flonbusque hirta - tomentosis, folns breviter petiolatis ovatis acutis, demum glabrescentibus, cymis axiUanbus subsessilibus p^ciflons folio brevionbus calycis dentibus elongatis oblongo - lineanbus obtusis coWilam superantibus, corollae fauce nuda, ovauo quinqueloculan, stigmatè apice obtuso — In Promontono bonae spei
5. V ABYSSIMCA A Rich Tent fl Abyss I 353 f — Ramulis femigineo - tomentosis. felns oppositis ovali -oblongis aut ellipticls longe acuminatis, basi angustatK breviter jetiolatis, utnque subfei rugmeo - tomentosis slipulis connahs brevibus vagmaeformibus, utnque m setam longam tomentosam productis, cvmis tomentosis brevibus, pedunculis calyceque tomentosis, corolla tubulosa brevi anthers semiexsertis, stigmatè
1 tereti drupa » — In Abyssimae convalle fl Taccaze habitat

3192 GUETTABBA *Vent,*

(DC Prodr. IV 454 — Wlprs Repert II 486 VI 49)

- 1 G (*Laugeria*) VISCOSA Duchass et Walp Linnaea XXIII 753 + — Folns brevissime petiolatis lanceolatis, utrnfque acuminatis, glabemmis mtidis (in vivo viscosis), atipulis tnangulanbus acuminatis brevissimis pedunculis axillanbus, folio paium brevionbus, confertim cjmosis floribus pentamens glabns, cal\cis limbo acute et inaequaliter qumquedentato persistente, drupa obovata subcompressa 5—6 - loculan — Proxime accedit ad *G resinosam* Pers (DC Prodi IV 458 no 25) — Habitat in m-sula Guadeloupe

3194 AtfTIBBOEA *Commen.*

(DC. Prodr IV 459)

- 1 A. STRIGOSA Krthls Nederl. kruidk Arch II p 217 - Arbuscula ramulis senceis; folns ovalibus acutiuscuhs, basi acutis, supra glabns, subtus m nervis hirsutis. flonbus hermaphroditis — Crescit in sylvis humilionbus Doekoe, Padang insula< Sumatra.

3197. TIMOHⁿUS *Rmph.*

(DC. Prodr. IV, 461.)

1. T. (BOBEA) MUTABILIS Krthls. Nederl. kruidk. Arch. II. p. 212. + — Foliis ovalibus acuminatissimis, basi acuminatis, subtus in nervis sericeo-lanuginosis; floribus hermaphroditis solitariis, sterilibus in spicis bifidis, bracteis acuminatis; fructibus 40-vel polypyrenis. — Crescit ad montes Pamatton et Sakaembang insulae Borneo.
2. T. FUSCUS Krthls. I. c. p. 213. *f* — Foliis obovalibus acmiesculis, basi acutis, subtus fusco-tomentosis; stipulis oblongis obtusiusculis tomentosis; floribus spicatis; bracteis ovatis obtusiusculis. — Crescit in insula Mara et Sumatra.

3199. SAHTTIA *Wght Sf Am.*

(Wlprs. Repert. VI. 49. 8t Annal. I. 375.) omnino delenda erit, nam:

- 1- S. VENULOSA W. ft Am. = MEPHITIOIA VENULOSA Wght. (Cf. supra pag. 761. no. 11.)

3212. PACHYSXTOMA *Hochst. (nee Hook.)*

(Wlprs. Repert. VI. 50.)

1. P. LASIANTHUM Sander, Linnaea XXIII. 55. *f* — Foliis petiolatis oblongis vel ovato-oblongis acutiusculis discoloribus, supra obscure viridibus pellucido-vtfalosis, subtus canescentibus glabris, junioribus secus nervos pilosiusculis; cymis bræoer pedunculatis axillaribus, ramis subdivaricatis calycisque tubo hirto-puberulis; calycis laciniis lineari-spathulatis obtusis glabriusculis; corolla exlus hirtella, limbi laciniis lanceolatis acuminatissimis tubum duplo superantibus. — Port Natal.
2. P. LATIFOLIUM Sonder 1. c. 56. *f* — Foliis brevissime petiolatis late ovalis suborbiculatisve discoloribus, utrinque glabris, supra obscure viridibus, subtus pallidis reticulato-venosis; pedunculis axillaribus solitariis, apice bibracteatis trifloris calycibus-~~ue~~ glabris; calycis laciniis lanceolatis; corolla exlus glabra, limbi laciniis lanceolatis acuminatis tubo sublongioribus. — Port Natal.
3. P. ZEYHERI Sonder 1. c. *f* — Foliis oblongo-lanceolatis acuminatis, basi longe angustatis concoloribus glaberrimis, nervis venisque prominentibus utrinque reticulatis; cymis axillaribus folio brevioribus floribusque glabris: calycis laciniis lanceolatis; corolla extus glabra, limbi laciniis lanceolatis aqpmnatis tubum superantibus. — In Promontorio bonae spei ad Magalisberg.

3215. CUVLERA *Dœ*

(DC. Prodr. IV. 468.)

1. C. SUBULIFLORA Bnth. in Hook. Niger Flora 407. *f* — Arborea: foliis oblongis. basi °Wiquis subcordatis; cymis axillnribus subsessilibus floribundis; corollae laciniis longissime subulato-acuminatis. - Crescit i» insula Fernando Po in liltore maris.

3216. DO^jDISIA *DC,*

(DC. Prodr. IV. 469. — Wlprs. Repert. II. 489.)

- * " *. HORRIDA Krthls. Nederl. kruidk. Arch. II. 236. - *Canthium horridum* Blume, Bfjdr. 9«6. — DC. Prodr. IV. 477.

3217A. *WLWttGYIBMA*. Blume.

(Blume, Mus. bot. Lugd. Bat. p. 178.)

- Calyx tubo brevi turbinato cum ovario connato, limbo supero brevissimo erecto, acute quinque-dentato. Corolla infundibuliformi-campanulata, tubo brevi, intus annulo hirsuto, limbi quinquepartiti lobis acutis crassiusculis patentibus, praefloratione valvalis. Antherae 5 cordatae, intra faucem subsessiles erectae exsertae pubentes. Ovarium itoferum, 3—4-loculare, disco epigyno depresso. Ovula in loculis solitaria, apice appensa anatropa. Stylus simplex exsertus, stigma capitatum ruguloso-sulcalum, in vejlice obsolete quadrimamillatum. Fructus . . . ? — Frutex Senegalensis glabriusculus ramosissimus: ramulis teretibus apice pube rara strigosa adspersis; foliis oppositis breviter petiolatis (subpollicaribus) ovato-lanceolatis obtuse acuminatis basi acutis, subtus in axillis venarum puberulis; stipulis pubescentibus in vaginam brevem bidentatam coalitis; pedunculis axillaribus solitariis 1—paucifloris petiolo duplo longioribus; floribus parvis breviter pedicellatis, pedicellis medio v. sub calyce bracteola obsessis.

1. *R. (PHALLAIUA) SENEGALENSIS Blume 1. c., 179. no. 408. — In Senegambia.

**Sub or* II. CUVCHOIVACEJLE Endl. Gen.
pi. p. 215.**

Tribus IX. *HAMELIEAE* DC. Prodr. IV. 438.

3228A. *PARAVIXIA Krthls.*

(Krthls. ex Flora [B. Z.] XXXI. 580.)

Flores monoici raro hermaphroditi. Calyx superus, tubo brevi, limbo 4—6-partito. Corolla aestivalione imbricata, tubo cylindrico, limbo 4—6-fido erecto. Stamina 8 — ^ infra faucem inserta, filamenta brevina, antherae basi affixae, connect^ producto. Germen 8—10-loculare, disco epigyno conico; gammulae numerosae, placentis carnosae affixae; stylus subteres; stigma T—\2-partitum. Bacca calycis limbo coronata. 8—10-ocularis, mucilagine impleta; semina numerosa, placentis carnosae inserta, testa Crustacea foveolata, tegmen membranaceum, embryo in medfo albuminis carnosus erectus. — Arbuscula: folia opposita, stipulae subintrapetiolares; flores axillares bracteati.

1. P. DENSIFLORA Rrthls. I. cit. p. 580. — Foliis oblongis; floribus axillaribus. — Crescit in monte Paravin juxta Tanjong Jav^ Borneo.

3224. *SABJCKA Aubl.*

(DC Prodr. IV. 439. — Wlprs, Repert. II. 489.)

1. S. FERRUGINKA Bnth. in Hooker, Niger Flora 397. f — Ramulis villosis; foliis OIII* oblongisve, subtus ferruginco-tomeniosis; stipulis subcordato-ovatis magnis; floribus

- in capitulo longe pedunculate* involucrato numerosis sessilibus; calycis lacinita lmean-subulatis, tubo subduplo longioribus — *Cephaelis fenugmea* G Don — Wipis Report. II 470, no 2 - Crescit in Sierra Leone
- 2 S CAPITELLATA Benth 1 cit 398 + — Radicibus villosis foliis ovatis oblongisve. subtus dense albido-tomentosis, stipulis brevibus late rotundatis, foliis in capitulis oppositis breviter pedunculatis plumbus sessilibus calycis lacini linearibus, tubo vix longioribus — Crescit in insula Fernando Po
- 3 S VOGELII Benth 1 cit 998 + — Folii ovatis oblongisve, utrinque videntibus ramulisque huius stipulis ovatis umbellulis breviter pedunculatis multifloris calycis lacini linearibus submembranaceis, tubo suo pluribus longioribus — Crescit in Sierra Leone
(5 villosior foliis in capitulo subsessilibus — crescit in Sierra Leone)
- 4 S VENOSA Benth 1 cit 399 + — Folii ovatis utrinque videntibus ramulisque hirsutis, stipulis ovatis, comibus breviter pedunculatis oppositis laxemultifloris. calycis lacini lanceolatis tubo suo duplo longioribus, corollae tubo multo brevioribus — *Nectandra lutea* G Don — Wipis Report II 503 no 1 — Crescit in Sierra Leone et in Senegambia
- 5 S CALYCINA Benth I cit 399 f — Folii ovali-oblongi cordatis, utrinque videntibus ramulisque hirsutis, stipulis ovatis, umbellulis longe pedunculatis multifloris, calycis lacini majoribus ovatis coloratis, tubo raultoties longioribus — Crescit in insula Fernando Po

3227 *FRONTOIDES* Jack y Wall.

(DC Prodr IV 441)

- 1 *U. STRIGOSUM Krthls Nedeil kruitk Arch II 194 — *Axanthes Wexgosa* Blume. Bijdr 1003 — DC Prodr IV 440 no 3
- 2 *U. ARBOREUM Krthls 1 c — *Axanthes arborea* Blume 1 c — DC 1. c no 4.
- 3 *U. MACROPHYLLUM Kthls* 1 c — *Axanthes manophylla* Blume I c. 1003. — DC. 1 c no 1
- 4 *U. CORYMBOSUM Krthls 1 c — *Axanthes coymbosa* Blume I c 1003 — DC. 1 c. 441 no 6
- 5 U. RUBENS Benth in Hooker, Niger Floia 396 f — Folii petiolatis elliptico-oblongis vix acuminatis, basi acutis conatis nitidis ramisque glaberrimis cymis multifloris petiolos vix aequantibus calycis limbo integerrimo — Crescit in insula Fernando Po
- 6 U. HIRTELLUM Benth 1 cit 397 f — Ramis puberulis foliis amplis obovato-ellipticis subacuminatis, basi acutis chartaceis, subtus hirsutis cymis multifloris, cernens lazis petiolos subaequantibus, calycis limbo integerrimo ~ Crescit in Africa tropica occidentali» (Nigntia)

3227A. *AXANTHOPS* Krthls.

(Krthls Nederlandsch kruidkundig Archief II 4 p. 195.)

„ Flores monoici. *Masc.* Calyx patellaeformis, profunde 6- vel 7-dentatus Corollae tubus infundibuliformis. fauce dense hirsuta, lobis 6- vel 7-partitus, partes oblongae, aestivatione valvata. Stamina 5 vel 7, fauci inserta subinclusa, filamenta brevia, antherae lanceolatae. Rudimentum pistilli leres, disco carnosio tinctum *Fern.* Calycis tubus 6- vel 7-lobatus ovato connatus subglobosus, parte libera cylindrica, lobis 6- vel 7-partitus Corolla floris masculi similis. Antheriarum rudimenta 6 vel 7-naria. Stigma 6- vel 7- partitum, partes radiatim dispositae lanceolatae Stylus subangulatus. Ovarium 6- vel 7-loculare. Ovula numerosa, placentis carnosis cum dissepimentis connatis affixa. Bacca

globosa.sulcata, calyce coronata. Semina multa subangulata foveolala, in placentis membranaceis immersa.— Arbuscula erecta: rami patentes, folia oblonga acuminatissima, basi acuta, costata. Stipulae lanceolatae deciduae. Flores axillares conferti albi.

1. *A. ELONGATA Krthls. 1. cit. p. 195. — Ad ripas Pattay in insula Borneo.

3233. **POIHYPHRAGJUOST** Dsf.

(DC. Prodr. IV. 445.)

P. OVALE Krihls. Nederlandsch kruidkundig Arclief IF. p. 216. — Foliis late ovalibus, breviter obtuse acuminatis, basi nculis, subtus costalis, nervis distantibus fusco-sericeis; siipulis lanceolatis fusco-sericeis; floribus mQsculis in capitulum bifidum dispositis. — Crescit ad montem Pamation irisulae Borneo.

Tribus X. **ISERTIEAE** A. Rich. — DC. Prodr. IV. 435.

3234. **ISERTIA** Schreb.

(DC. Prodr. IV. 43T. - Wlprs. Repert. II. 490. VI. 50.)

1. I. COMMUTATA Miqu. Stirp. Surinam, select. 172. f — Foliis ovato-oblongis, abrupte subfataatim longe acuminatis, basi acutis, supra glabris, subtus pilis simplicibus vel geminaWs pubescentibus; siipulis utrinque connatis; thyrso paniculato; calycis dentibus aculis; corolla vix l'A-pollicari, appresse pilosa, kermesina. — *l. coccinea* DC. (nee Vahl.) — Crescit in Surinam.
2. I. COCCIINKA Vahl, Eel. Aineric. II. 27. (nee DC. Prodr.) — Miqu. I. c. 170. f tab. 48. — Foliis oblongis acuminatis, basi attenuato-aculis, supra glabris nilidis, subtus cinerascenti-tomentosis; siipulis liber is: thyrso corymboso lomentello; calyce obtuse quadridenialo; corolla plus quain bipollicari toinentoso-hirta coccinea, superne flava. — *l. hypoleuca* Unth. — Wlprs. Report. II. 490. no. 1. — *l. flava* Miqu. — Wlprs. Repert. VI. 52. no. I. — Per tolara Guianam.

4234/t. **BRUIJVSJIAiraiA** Miqu.

(WlpriMRepert. VI. 52.)

1. *BR. ISERTIOIDES Miqu. Jp^lprs. 1. c. — Miqu. Stirp. Surinam, select. 173. f tab. 49.

Tribus XL **HEDYOTIDEAE** Cham. & Schlchl. — DC. Prodr. IV. 401.

Subtribus I. **HEDYOTEAE** DC. 1. c. 419.

3240. **KEDYOTIS** Lam.

(DC. Prodr. IV. 419. — Wlprs. Repert. II. 491. VI. 54, Annal. I. 376. - *Oldenlandta* L. — DC. 1. c. 424. — *Kohautia* Cham. & Schl. - DC. 1. c. 429. — *Anolis* DC. 1. c. 431. — *Rachicallis* DC. 1. c. 433. — *Melabolus* Blume [ex p.] — DC. 1. c. 435.)

1. 'II. RUGOSA Knhls. Nederl. kruitk. Arch. II. 160. - *Melabolus rugosus* Blume. Bijdr. 991. — DC. Prodr. IV. 435. no. 3.

2. *H. PROSTRATA Krlhls. 1. c. — *Metabolus prostratus* Blame 1. c. 991. — DC. 1. c. no. 4.
3. H. CARNOSA Krthls. 1. c. 161. — Caule suffruticoso erecto quadrangulari; foliis oblongo-ovatis acuminatis, basi acutis, utrinque glabris; stipulis laciniatis; capitulis multifloris sessilibus; calycis lobis ovatis acutis; fructibus dicoccis. — Habitat in insulis Sumatra & Borneo.
4. H. CAPITATA Krthls. 1. c. 159. — Suffruticosa: foliis ovalibus acuminatis, basi attenuatis: stipulis setigeris; inflorescentia corymbosa; floribus pubescentibus, in capitulis dense congestis. — Crescit ad ripas fluminis Banjermassing prope Teliao. Mampon insulae Borneo.
5. H. BARBATA Krthls. 1. cit. p. 160. — Gaule suffruticoso erecto; foliis ovatis acutis, basi obtusis, nervo mediano piloso; stipulis, pedunculis partibusque junioribus dense pilosis; corymbis axillaribus pedunculatis tripartitis. — Crescit ad montem Pamotton insulae Borneo.
6. H. (DIPLOPHRAGMA) TETRANGULARIS Krthls. Nederl. kruidkund. Archief II. 149. — Caule suffruticoso erecto quadrangulari; foliis sessilibus linearibus acutis; stipulis oblongis; floribus terminalibus corymbosis subdichotomis. — Crescit prope Poeloe-Lampe in insula Borneo,
7. H. (DIPLOPHRAGMA) OVALIS Krlhls. I. cit. p. 150. - Caule erecto suffruticoso quadrangulari piloso: foliis ovalibus, utrinque acutis, supra subtusque sparse hirsutis; stipulis triangularibus acuminatis hirsutis; corymbis axillaribus terminalibusve latis. — Crescit prope Poeloe-Lampe in Borneo.
8. H. (DIMETIA) RECURVA Krthls. Nederlandsch kruidkund. Archief H. p. JUM. — Scandens glabra: foliis ovatis mucronulato-acutis, basi cuneatis costatis; stipulis trisectis; corymbis pubescentibus tripartitis; floribus sessilibus, in capitula dispositis. — Crescit ad ripas fluminis Banjermassing insulae Borneo.
9. H. (ANOTIS) LATIFOLIA Dalzell in Hook. Kew gard. msc. II. 133. — Caule erecto glabro tetragono fere tetraptero trichotomo; foliis ovatis apice acutis, basi rotundatis, breve petiolatis, in nervis subjunctis prominentibus hispido. supra laete viridibus, subtus glaucis (1/2 poll. longis, 1. poll. latis); stipulis inferioribus truncatis glabris, superioribus 3—6 setis ciliatis praeditis, floribus in pedunculis trichotomy-ramosis tetragonis longiusculis terminalibus et extra-axillaribus paucis minutis pallide roseis, interdum trichotomiae ramo tertio in florem solitarium breve pedicellatum reducto; calycis tubo breviter apice 4-dentato, dentibus triangularibus. corollae tubo cylindrico dentibus 3—4-plo longiore, limbi segmentis paulo brevioribus, fauce pilosa; capsula puberula vel glabra compressa subdidyma, aetibus calycinis medium versus cincta, supra a calyce libera, basin usque dehiscente 4—12-sperma; seminibus circa placentam sphaeroideam stipitatis glomeratis cupuliformibus. — Habitat in Indiae orientalis provincia Malwan.
10. H. (ANOTIS) FOETIDA Dalzell I. c. 134. - Caulis tripollicaris herbaceus erectus glabra. Parce ramosa: ramis oppositis; caulibus acute tetragonis; foliis linearibus, medio recurvis, supra papilloso-scabridis, pollicem longis, 2 lin. latis, setis stipularum utrinque 4—5; floribus in pedunculis longiusculis binis vel ternis caulem ramoso ne terminantibus capitato-congestis geminis ternis y. quinis: calycis quadrifidi laciniis et ovato triangularibus acutis calloso-mucronatis setaeo-marginatis. basi utrinque deorsum florum accessoriis minutis praeditis, corollae tubo 3-plo brevioribus; corollae purpureae, segmentis ovatis aculis papillosis, aestivatione valvatis. tubo cylindrico dimidio brevioribus, fauce pilosa; capsula valde compressa semiorbiculari papillosa. segmentis calycinis distantibus coronata, lodulis 2—6-sperma; seminibus circa placentam sphaeroideam stipitatis aggregatis scutelliformibus, capsula intra calycem lantum dehiscente. — Habitat in Indiae orientalis provincia Malwan.

11. H. (ANOTIS) CARNOSA Dalzell 1. c. 135. — Herbacea ramosissima, ascendens glabris: foliis lanceolato-ellipticis obtusis, basi in petiolum brevem attenuatis crassis carnis, marginibus recurvis, supra papilloso-scabridis, subtus pallidis, nervis obscuris, pollicem longis, 5—6 lin. latis; pedunculis folio longioribus trichotomis; floribus quinque capitato-congestis, capitulis bracteis foliosis suffultis.— Flores fructusque omnino ut in *H. foetida*, sed planta multo robustior et folia crassa carnosae, 3-plo laliora. — Habitat in Indine orientalis prov. Malwan ndjittus marinum saxosum.
12. H. (ANOTIS) LANCIFOLIA Dalzell 1. c. — Herbacea erecta ramosa: ramis strictis glabris; foliis lanceolatis acuminatis, supra et in nervis subtus pubescentibus 3-pollicaribus, basi in petiolum semipollicarem attenuatis; stipulis pubescentibus, utrinque setis ciliatis 4—5 vaginarum longitudine praeditis; pedunculis patenti-birsutulis tetragonis longiusculis trichotomis; floribus capitato-congestis quinque numerosis; segmentis calycinis breviter hispidis, e lala basi acuminatis parvis; corollae infundibuliformis tubo gracillimo intus glabro segmenta calycina 6—7-plo excedente, laciniis tubo 3-plo brevioribus, extus hispidis; filamentis exsertis; stylo incluso; capsula hispida compressa dentibus calycinis palentibus coronata, apice intra calycem glabra ibique tantum dehiscente, loculis 2—3-spermis. — Semina cupuliformia, circa placentam stipitatum glomerata. — Habitat in India orientali in montibus Syhadree.
13. H. MONANTHOS Hochst. mss. ex A. Rich. Tent. 0. Abyss. I. 359. — Pusilla: caulibus caespitosis prostratis filiformibus brevibus; foliis minime oppositis ellipticis, apice basi acutis, superne glabris, subtus pilis rigidis appressis margineque ciliatis, basi cum stipulis coalitis et vaginam 2—3-setam efformantibus; pedunculis solitariis axillaribus unilobis, folio brevioribus deflexis; calycis lobis ovali-oblongis pilis rigidis ciliatis, basi sinu obluso separatis; corolla brevi subinfundibuliformi-campanulata 4-fida, lobis ovali-actilis, intus barbata; capsula subglobosa lobis calycinis erectis coronata, loculicide bivalvi. — In montosis prov. Choa fie Semi en e in Abyssinia.
14. H. GLOBOSA Hochst. mss. ex A. Rich. 1. c. 360. — Caule erecto a basi ramoso; ramis rectis simplicibus sesquipedalibus obsolete tetragonis pubentibus; foliis oppositis ovatis acutis subsessilibus, praesertim subtus glanduloso-pubentibus, stipulis saepius utrinque 5-setis; cyma dense capitata subglobosa terminali multilora; floribus subsessilibus; calycis lobis laciniis lanceolatis acutis, ciliatis, tubo globoso triplo longioribus; corollae gracilis infundibuliformis pubentibus laciniis lanceolatis apice incurvis; staminibus semiexsertis; capsula globoso-didyma coronata imperfecte loculicide bivalvi, valvis apice bifidis. — Habitat in Abyssinia prope Tecli.
15. H. TRICHORODA A. Rich. 1. c. — Pusilla: caule erecto ramoso spithamaeo subtetragono glabro; foliis lanceolatis acutis glabris, vagina stipulari 3-dentata; pedunculis axillaribus solitariis unifloris, folio ubaequalibus gracilibus erectis; calycis laciniis oblongo-lanceolatis, pilis quibusdam rigidis ciliatis, caeterum glabris; corollae tubo limbum calycinum duplo super ante, limbi laciniis ovali-oblongis; capsula subglobosa laciniis calycinis longis coronata.*— Habitat locis humidis in Abyssinia prov. Chire*.
16. H. DICHOTOMA A. Rich. I. c. 361. — Caule simpliciusculo erecto. 2—8 uncias alto tetragono glabro; foliis oppositis lineari-lanceolatis, margine revolutis (an siccatone?), basi ciliatis; vagina stipulari integra; pedunculis unifloris axillaribus solitariis gracilibus rectis; calycis laciniis 4 oblongo-lanceolatis brevibus acutis ciliatis; corollae tubo limbum calycinum duplo super ante, limbi laciniis ovali-oblongis; capsula globosa didyma glabra, dentibus calycinis brevioribus coronata. — Habitat simul cum praecedente.
17. H. SPERGULOIDES A. Rich. I. c. — Caule erecto gracili ramoso, spithamaeo tetragono, in angulis scabro; foliis linearibus margine revolutis subscabris; vagina stipulari 3—5-seta; pedunculis axillaribus folio dimidio brevioribus, apice 1—5-floris; floribus breviter pedicellatis umbellulatis; calycis laciniis lanceolatis ciliatis, corollam brevem tubulosam quadrifidam aequantibus; capsula minima globoso-didyma, dentibus calycis sat brevibus coronata. — In Abyssinia prov. Chire.

18. H. (KOHAUTIA?) PUSILLA Hochst. mss. ex A. Rich. 1. c. 362. — Caule filiformi erecto simplici aut ramoso, 1—3 uncias-alto glabro; foliis oppositis lineari-subulatis aut lanceolatis, pilis raris rigidis conspersis; vagina stipularum utrinque trisetis; pedunculis 1-floris gracilibus in axilla foliorum solitariis, geminis aut ternis; capsula globoso-didyma calycis limbo 4-dentate, dentibus distantibus, coronata. — In Abyssinia prope Axum.
19. H. SENEGALENSIS A. Rich. 1. c. 362. — Gaule recto pedali, basi simplici, superne ramoso, subquadrangulato tuberculato-scabro; foliis lanceolatis acutis vagina stipulari quasi junctis, margine paulisper scaberulis; floribus albis aut purpureis sat numerosis, cymam ramosam trichotomam multifloram efformantibus; calycis tuberculati laciniis linearibus tubo calycino longioribus et tubo corollinum fere aequantibus; tubo corollae gracili tuberculato, laciniis obovatis acuminatis; capsula ovoideo-oblonga tuberculata, laciniis calycinis longis coronata. — *Kohautia Senegalensis* DCfProdr. IV. 430. — In Senegambia et in Abyssinia.
20. H. (KOHAUTIA) QUARTINIANA A. Rich. 1. c. — Gaule erecto gracili trichotome ramoso sesquipedali, obsolete tetragono glabro laevi; ramis elongatis; foliis inferioribus lanceolatis acutis, supremis linearibus; floribus (in genere maximis) pedicellatis, cymam terminalem dissitifloram efformantibus; calycis laciniis subulatis; corollae tubo gracili subpulverulento calyce duplo longiori, limbi lobis latissimis obovatis acutis tubo aequantibus; capsula globosa, laciniis calycinis longis coronata. — In Abyssinia prope Gondar.
21. H. GRANDIFLORA A. Rich. I. c. 363. — Gaule recto pedali, basi simplici, apice paniculato ramoso subtereti, punctulato scaberulo; foliis lineari-lanceolatis acutissimis, supremis angustis sublinearibus subscabris, margine ciliatis; floribus albis (siccatioe nigrescentibus) in cyma dichotoma ramosa pauciflora, ramis dichotomis gracilibus; calycis laciniis lanceolatis acutis; corollae tubo gracili calyce sextuplo longiori, limbi laciniis elliptico-lanceolatis acuminatis; capsulis globosis dentibus calycinis brevissimis coronatis, laevibus glabris. — *Kohautia grandiflora* DC. Prodr. IV. 430. — *K. noeliflora* Hochst. mss. — In Abyssinia prope Selsaquulla.
- *2. H. (KOHAUTIA) ABYSSINIGA Hochst. mss. ex A. Rich. 1. c. — Pusilla: caule erecto subsimplici, 3—5 uncias alto, gracili tereti tuberculato; foliis anguste linearibus acutis, margine scaberulis; vagina stipulari utrinque 5-seta; floribus parvulis sessilibus subspicatis; calycis tuberculati laciniis angustis linearibus; corollae tubo vix tuberculato, calyce duplo longiori, limbi laciniis latis obovatis-oblongis subacutis; capsula ovoideo-suboblonga tuberculata coronata. — In Abyssinia prov. Ifat & Tigre.
- ²³ H. STRUMOSA A. Rich. I. c. 364. — Pusilla: caule erecto ramoso, obsolete tetragono, pithnmaeo, pulverulento-tuberculato; foliis linearibus acutis, margine scaberulis; vagina stipulari 3—5-seta; floribus parvulis subsessilibus solitariis aut geminis spicas laxas paucifloras efformantibus; calycis tuberculati laciniis lanceolatis acutis; corollae tubo gracili subtuberculato, limbo calycino duplo longiori, limbi corollae lobis brevibus ovalibus subobtusis; capsula globosa subdidyma subsquamosa, dentibus calycinis brevibus maxime distantibus coronata. — *Kohautia strumosa* Hochst. mss. — In Abyssinia.
- * H. (KOHAUTIA) BRACHYLOBA Sonder. Linnaea XXIII. 50. f — Annu. scabriuscula: ramis subcompressis; foliis sessilibus lineari-lanceolatis, margine subrevolutis; stipulis latis membranaceis plurisetis; panícula 2-3-chotoma multiflora; floribus sessilibus pedicellatisque; calycis tubo globoso scabro dentibus lanceolatis duplo longiore; corollae tubo elongato tenuissimo apice staminifero, limbi laciniis linearibus-oblongis; capsula subglobosa. — In Promontorio bonae spei.
- [^] H. (OLDENLANDIA?) GEMMIFLORA Sonder 1. c. 51. + — Suffruticulosa: caule ramisque angulatis scabris; foliis lineari-lanceolatis acutissimis, margine revolutis scabridis; stipulis membranaceis plurisetis; pedunculis axillaribus geminis unifloris, fructiferis deflexis; calycis dentibus subulatis tubo longioribus scabris; corolla minuta, lobis tubo subaequantibus; capsula glabra. — In Promontorio bonae spei (Magalisberg).

26. H. (KOHAUTIA) RIGIDA Benth. in Hooker, Niger Flora 402. f — Ramis trichotomis fasciculatis divaricatis; foliis anguste linearibus obtusis; stipulis vaginantibus breviter setiferis vel nudis; floribus tricholome oorymbosis corollae lobis oblongo-linearibus capsula denies calycinos superante. v Crescit in Africa occidentalis
27. H. (KOHAUTIA) PARVIFLORA Benth. 1. cit. pag. 403. — Foliis lineari-subulatis, margine subrevolutis; stipulis vaginantibus utrinque bisetis; floribus secus ramos paniculae 2—3-chotomos breviter pedicellatis subfasciculatis; corollae parvae laciniis oblongis; calycis dentibus acutissimis. capsulam superantibus. — Crescit in Africa tropica occidentali (Nigritia).
28. • H. MACROPHYLLA Lepr. ft Perr. — DC. Prodr. IV. 427. — A. Rich. Tent. flor. Abyss. I. 359. — *Oldenlandia macrophylla* DC. I. c. 327. — *Pentodon Abyssicus* Hochst. — Wlprs. Report. VI. 54. no. 2.
29. H. (OLDENLANDIA) VERTICILLATA Krthls. Nederlandsch kruidf. Archief II. 152. — Caule suffruticoso erecto simplici tomentoso; foliis oppositis verticillatis ovalibus obtusis, basi cuneatis, utrinque hirsutis; corymbis gracilibus multifloris patentibus glabris. — Crescit in paludosis Krawang insulae Javae.
30. H. (OLDENLANDIA) CILIOLATA Krthls. 1. cit. p. 152. — Caule fruticoso quadrangulati; foliis ellipticis petiolatis, utrinque hirsutis; stipulis laciniatis; pedunculis axillaribus brevibus conferlis trifloris; capsulis pubescentibus. — Crescit in monte Sakoembang in insula Borneo.
31. H. (OLDENLANDIA) SUBULATA Krthls. 1. cit. p. 153. — Caule erecto quadrangulati; foliis linearibus subulatis; stipulis setigeris; dentibus calycinis a cum ina Us; corolla infundibuliformi, calyce duplo majore. — Crescit in graminosis Poeloe-Larapei insulae Borneo.
32. H. (OLDENLANDIA) LAXIFLORA Benth. in Hooker. Niger Flora 404. f — Glaberrima: caule elongato; foliis subsessilibus oblongis lanceolatisve uninerviis flaccidis; pedunculis axillaribus elongatis, apice laxe dichotomis; calycis fructiferi truncati dentibus quatuor parvis remotis. — Crescit ad flumen Nun in Africa tropica occidentali (Nigritia).
33. H. (HOUSTONIA) HUMIFUSA Engelm. mss. ex A. Gray, Bost. Journ. of nat. hist. VI. 216. f — Annuum dichotome ramosissima depressa glutinoso-puberulum; foliis linearilanceolatis, imis in petiolum attenuatis mucronatis crassiusculis; stipulis dilatatis setosis setaceo-dentatis; floribus in dichotomijs solitariis binisve breviter pedunculatis; tubo corollae infundibuliformis lobis oblongis supra puberulis sublongiore, laciniis calycis quodripartiti subulato-setaceam paulo superanti; capsula pendula didyma puberula basi tantum calyci accreta; semibus in loculis paucis ovoideis. — Crescit in republica Texensi ad Neu Braunfels.

t **Icon addenda.**

- H. CILIOLATA Torr. 8c Gr. — (Wlprs. Report. II. 476. no. 37.) - Torr. Flor. of New Yoik. I. 316. tab. 44.

f *Genera Hedyotideae indescriptae.*

THEIODIS_A. Rich.

(A. Rich. Tent. fl. Abyss. I. 365.)

Differt a caeteris Hedyotideis calyce octodentato, dentibus quatuor alternis brevioribus, capsula biloculari indehiscente polysperma.

1. TH. OCTODON A. Rich. 1. c. — Caule a basi ramoso; ramis erectis am diffusis & thamaeis leuragoois glabris; foliis oppositis elliptico-lanceolatis acutis, basi sessilibus

angustatis glabris; floribus minimis in axilla foliorum congestis subsessilibus; capsulis turbinato-globosis hirsutis, calycis limbi laciniis lanceolatis, intermediis brevioribus coronalis, indehiscentibus. — In Abyssinia prov. Chire'.

VIGNALDIA A. Rich.

(A. Rich. Tent. fl. Abyss. I. 357.)

Ad *Hedyotideas* perlinet et differt capsula biloculari bivalvi; valvis apice dehiscentibus, demum iterum apice incomplete fissis.

1. V. QUARTINIANA A. Rich. Tent. fl. Abyss. I. 357. f — Caule basi suffrutescente bipedali, erecto tereti pubenti-subtomentoso; foliis elliptico-lanceolatis acutis, basi sensim angustatis, superne parce pubentibus, subius praesertim in nervis pubenti-tomentosis; stipulis intrapetiolariis in setulis 5—7 breves dissectis pubentibus; floribus albido-subpurpurascens, in cymis terminalibus multifloras densas dispositis; calycis pubentis laciniis lanceolatis acutis inaequalibus, una duabusve quam caeterae duplo longioribus latioribusque persistentibus; tubo corollae gracili fere unciali, pubente laciniis 5 patulis ovali-acutis; staminibus inclusis; fauce dense tomentosa; stylo stigmatibusque exsertis; capsula obovata 5—10-nerviis limbo calycino coronata, apice apiculata, ab apice quadrifido incomplete septicide et loculicide bi—quadrivalvi; seminibus (iraraaturis) ovoideis. — *Mussaenda luteola* Hochst. mss. — In Abyssinia prov. Tigre'.
2. V. SCHIMPERIANA A. Rich. 1. c. 358. f — Gaule basi suffrutescente erecto bipedali tereti ferrugineo-tomentoso; ramis rectis herbaceis; foliis oppositis oblongis acutis, basi vix petiolatis, superne pubentibus, subtus praesertim in nervis ferrugineo-tomentosis; stipulis intrapetiolariis in setulis 5—7 longas lineares rufo-tomentosas dissectis; floribus cymis corymbosus densas terminales efformantibus; calycis laciniis lanceolato-linearibus subaequalibus birtis, tubum corollae aequantibus; corollae tubo hirsuto, apice vix inflato; laciniis ovali-lanceolatis acutis basi barbatis; staminibus supra medium corollae limbi insertis exsertis; stigmatibus lobis oblongis coalitis, saepius inclusis; capsula obovoideo-globosa, laciniis calycinis coronata hirsuta, apice 4-fida dehiscente, biloculari; seminibus ovoideo-oblongis, subcompressis tuberculatis. — *Mussaenda Schimperii* Uochst. mss. — In Abyssinia prov. Tigre'.

Subtribus II. *RONDELETIEAE* DG. Prodr. IV. 401.

3245. **OPHIORHISA** Linn.

(DC. Prodr. IV. 415. — Wlprs. Repert. II. 502. VI. 57. ft 701. Annal. I. 376.)

- * 0. ALBIDA Krtbls. Nederlandsch kruikkundig. Archief II 128. — Caule herbaceo; foliis ellipticis acutiusculis, venis fere destitutis, subius albidis; cymis axillaribus terminalibusve paniculatis pubescentibus. — Calyx subglobosus pubescens, limbi ovatae acutiusculae. Corollae 4 mm. longae tubas ventricosus angulatas, fauce pilosae, limbi lacinae patentes ovatae acutae. Stamina ad basin tubi affixa, saepius exserta. Antherae oblongae. Stigma subbilobum. Stylus filiformis glaber. Bractae filiformes sutulatae. — Crescit in sylvis Siogalang et Melintang insulae Sumatrae.
2. 0. RUBELLA Krtbls. 1. cit. — Suffruticosa, tota purpurascens: foliis ovalis acutis, basi truncatis, supra sparse punctatis; stipulis lanceolatis acuminatis; pedunculis axillaribus triquetris; capsulis bilobis. — Calyx subglobosus, limbi paries ovatae subacutae.

- Capsula profunde biloba, lobi rotundati. Bractee filiformes. — Crescit in sylvis montis Sakoembang insulae Borneo.
3. 0. JACKIANA Krthls. 1. cit. 127. — Suffruticosa: caule pubescente; foliis oppositis vnde inaequalibus oblongis inaequilatris, apice basi acuminatis, supra glabris, subtus in nervis pubescentibus; stipulis oblongis subulalis; cymis paucifloris axillaribus. — Calyx minutus obconicus pubescens, limbi paries ovatae aculae. Corollae 4 mm. longae tubus ventricosus angulatus. fauce constricta pilosa, limbus fere longitudine tubi, partibus ovatis acutis. Stamina inserta, supra basin lobi affixa. — Antherae oblongae. Stigma oblongum. Stylus dense pilosus. Bractee filiformes. — Crescit in insulae Sumatrae sylvis Meliniang.
 4. 0. PARVIFLORA Rwdt. mss. ex Krthls. 1. c. — Caule fruticoso fusco-pubescente; foliis breviter petiolatis ellipticis. utrinque aculis, supra rugosis. subtus fusco-pubescentibus; cymis terminalibus paucifloris. — Calyx minutus, longe obconicus, limbi paries ovatae obtusae. Corollae 4 mm. longae tubus infundibuliformis, fauce pilosa, limbi partes ovatae obtusae. Stamina subserta, ad basin affixa. Antherae oblongae. Stigma simplex, stylus globosus. — Crescit in sylvis Menado insulae Celebes.
 5. 0. HASSELTII Blume mss. ex Krthls. 1. cit. 128. — Caulis herbaceo virescente; foliis oblongis, utrinque acutis; cymis terminalibus fusco-pubescentibus 2—5-partitis; bracteis minimis squamulatis. — Calyx pubescens obconicus compressiusculus, limbi partes triangulares acutae. Corollae 5 mm. longae tubus ad basin ventricosus angulatus, fauce dense pilosa, paries limbi ovatae acutiusculae. Stamina inclusa. Antherae lineares; stigma capitato-oblongum emarginatum. Stylus teres. in medio pilosus. Capsula trigona, apice truncata. — Crescit in sylvis humilioribus Javae et Sumatrae.
 6. 0. BLUMIANA Krthls. I. cit. 130. — Caule suffruticoso glabro; foliis oppositis vnde inaequalibus oblongo-ovalibus acuminatis, basi aculis, supra punctatis, subtus glabrisculis albidis; cymis terminalibus partitis; bracteis nullis filiformibus. — Calyx glaber subglobosus, limbi partes ovatae acutae. Corollae 9 mm. longae glabrae tubus infundibuliformis, partes limbi ovatae aculae. Stamina inclusa, filamenta breviter. Antherae lineares, apice bifidae. Stigma oblongum emarginatum, stylus compressus glaber. — Crescit in sylvis insulae Javae.
 7. 0. RETICULATA Krthls. 1. cit. 130. — Caule fruticoso erecto; foliis longe petiolatis ovalibus acuminatis, basi cuneatis, supra reticulatim costato-venosis, subtus in nervis fusco-pubescentibus; cymis axillaribus terminalibusve, dense fusco-tomentosis tripartitis paucifloris. — Bractee minuae. Calyx subglobosus subcylindricus pubescens, partes limbi ovatae obtusiusculae. Flos non expansus. Corollae dense pilosae tubus brevis, limbi paries oblongae obtusae. Filamenta breviter. Antherae lineares, apice emarginatae. Stigma oblongum emarginatum. Stylus dense pilosus. — Crescit in sylvis montium Singalang insulae Sumatrae.
 8. 0. BRACTEATA Krthls. 1. c. 131. — Caule herbaceo; foliis ellipticis acuminatis, basi aculis, supra scabriusculis, subtus in nervis tomentosis; stipulis ovatis acuminatis ciliatis; cymis pedunculatis, bi- aut trifidis; bracteis oblongis. — Bractee sessiles oblongae ciliolatae. Calyx pilosus subglobosus, paries limbi lanceolatae acutae. Corollae 10 mm. longae tubus infundibuliformis, ad basin ventricosus, partes limbi ovatae acutae. Stamina ad basin tubi inserta, filamenta breviter. Antherae ovatae obtusae. Stigma bilobum. lobis obtusis. Stylus teres glaber. — *0. rugosa* Blume (nee alior.) — Crescit in sylvis montium insulae Javae.
 9. 0. SUBBRACTEATA Krthls. I. cit. 132. — Antheras praecedentis? pubescentia densiore, stipulis lauceolatis acuminatis. — Crescit in sylvis montanis insulae Sumatrae.
 10. 0. ACUMINATISSIMA Krthls. I. c. — Caule herbaceo; foliis elliptico-lanceolatis, utrinque acuminatissimis, supra rugosis, subtus in nervis dense pilosis; **stipulis bifidis**, laciniis linearibus subulalis; pedunculis cymosis dense pilosis. — Bractee sessiles oblongae. Stylus dense pilosus, caeterum vix ab *0. bracteata* differt. — Sumatra.

3251A. *L E R C H E A* Linn.(Wlprs. Reperl. VI. 58. — *Xanthophylum* Blume. — DC. Prodr. IV. 413.)

1. *I. INTERRUPTA* Krlhls. Nederlandschi kruïdkundig Archief II. p. 164. — Foliis oblongis decuminatis, basi attenuatis; spicis axillaribus ternipalibusve obrupte glomerulatis, glomerulis tripartitis, derisis. — Crescit in sylvis Loeboe-Kilangan.
2. '*L. FRUTICULOSA* Reinw. mss. ex Krthls. 1. c. 165. — *Xanthophylum fruticosum* Reinw. — DC. Prodr. IV. 413. no. 1.

3251₂. *PEL.TOSPERHHJ1H* Bnth.

(Bnth. in Hooker, Niger Flora 400)

Calycis dentes 5 breves persistentes. Corollae infundibuliformis faucibus intus villosa, Jimbi lobi quinque subpatentes, aestivatione valvata. Stamina versus apicem tubi inserta, filamentis brevibus. Ovarium biloculare, loculis pluriovulatis, disco crasso coronatum, stylo apice oblongo-clavato subintegro. Capsula dicocca, cogcis apice loculicide dehiscentibus. Semina plurima, placentae carnosae peltatim affixa, orbiculata, roagine hyalina at non alata. — Frutex Africanus. Stipulae utrinque solitariae latae cuspidatae. Panicula terminata, ramis oppositis bifidis; floribus secus ramulos sessilibus.

- † **P. PANICULATUM* Bnth. 1. cit. f — Crescit in insula Fernando Po et in Senegambia in litore rarioris.

3254₂. *ROGIERA* Planchon.

(Planchon in Van Houtte, Flore de serres V. tab. 442.)

Calycis tubus subglobosus, ovario adhaerens, limbo quinquepartito, divisuris brevibus vel longiusculis. Corolla hypocratenformis, limbi lobis obtusis, aestivatione quincunciatim imbricatis, fauce barbata, annulo prominente destituta. Stamina quinque, tubo corollae supra vel versus medium inserta, filamentis setaceis, quam antheris longioribus, antheris linearibus-oblongis, dorso medio connectivi angustissimi filamento affixis, in fauce corollae conniventibus vel plane inclusis, loculis duobus parallelis, rima verticaliter dehiscentibus. Discus epigynus annularis nectariferus. Stylus filiformis, apice bifidus, divisuris compresso-linearibus parum dilatatis, intus papilloso-stigmatosis. Ovarium biloculare, placentalibus indivisis, superficie tota ovuliferis. Ovula plurima . . . ? *foetus . . . ? — Frutices Guatimalenses. Rami tri- vel dichotome divisi. Folia opposita oblonga penninervia. Stipulae e duobus adjacentibus singulae constantes majusculae integrae. Cymae terminatae sessiles trichotomae multiflorae. Flores conferti pulchre rosei, fauce pilis aureis barbata. Bracteae ramos secundarios plerosque et tertiarios junctae slipantes pedunculo supra basin innatae trifidae. Bracteolae ovario insidentes. Partes omnes, imo corollae extus, substrigoso-hirtello-pubescentes. Pili faucis et interioris tubi corollae lymphatici.

1. *R. AMOENA* Planchon 1. e. tab. 442. — Paxt. & Lindl. Flow. gard. I. 143. fig. 95. — Folia late oblonga (2—5 poll, longis) acuminatis nervosis; divisuris calycinis brevibus

otnusi; corollae tubo supra medium leviter et sensim ampliato, lobis limbi oblongis emarginatis; flamenlis versus medium tubi insertis; antheris afaucelonge distantibus, polline albedo-lutescente; stylo breviter exserto, divisuris stigmaticis brevibus. — In Guatemala.

2. R. MENECHMA Planchon l. e. adn. — Foliis, inflorescentia calyceque praecedentis: corollae tubo crassiore; flamenlis longe supra medium (nee medio) tubi insertis; polline lutescenti-albido; stylo incluso tubi vii dimidium aequante, divisuris stigmaticis linearibus, (quam in praecedente duplo brevioribus.) — In Guatemala.
3. R. ROZLII Planchon l. c. adn. — Foliis oblongis (1—4 poll, longis) acuminatis, chartaceis (haud crassis); laciniis calycinis lanceolato-linearibus aculiusculis, tubo sesquialongioribus; corollae tubo sursum leviter et sensim ampliato, flamenlis supra tubi corollini medium insertis, quam antherae e fauce senicxaertae paululum longioribus; polline lutescenti-albido; stylo dimidium tubi parum superante, divisuris stigmaticis linearibus. — In Guatemala.
4. R. ELEGANS Planchon l. c. adn. — Foliis et inflorescentia it. *Roetzlii*, divisuris calycinis tubo brevioribus; filamentis medio tubi corollini insertis; stylo eiserto, divisuris stigmaticis linearibus. — Guatemala.
5. R. (RONDELETIA Benth. — Wlprs. Report. II. 505. no. 4.) CORDATA Planchon l. c. p. 442. b.

3254/3. ARACHHTOTHRIX Planchon.

(Planchon in Van Houtte. Flore des serres V. t. 422. adn.)

Genus a *Rondeletia* diversum fauce et tubo corollae tetramerae glabris, annulo faucis vix conspicuo, antheris versus apicem tubi subsessilibus, pubescentia plus minus arachnoideo-tomentosa.

1. A. BUDDLEIODES Planchon l. c. — *Rondeletia buddlejoides* Benth. — Wlprs. Report. II. 505. no. 1.
2. A. LANIFLORA Planchon l. c. — *Rondeletia laniflora* Benth. — Wlprs. Report. II. 505. no. 2.
3. A. REFLEXA Hanohon l. c. — *Rondeletia reflexa* Benth. — Wlprs. Report. VI. 59. no. 3.
4. A. DISCOLOR Planchon l. c. — *Rondeletia discolor* H. B. K. — DC. Prodr. IV. 409. no. 17.
5. A? LEUCOPHYLLA Planchon l. c. — *Rondeletia leucophylla* H. B. K. — DC. l. e. no. 20.
6. A' ELONGATA Planchon l. c. — *Rondeletia elonyata* Bartl. — DC. l. c. no. 19.

3258. PORTXAHTBIA P. Br.

(DC. Prodr. IV. 404.)

1. P. PLATANTHA Hook. f. Bot. Magaz. t. 4534. f. — Foliis late obovato-ellipticis subsessilibus; floribus axillaribus solitariis; calycis lobis lanceolatis; corollae late infundibuliformis tubo basi breviter attenuate; staminibus inclisis; stigmata profunde bipartita. — In America calida. (ubi?)

3262A. *SULASJACTIA Weddell.*

(Weddell, Histoire naturelle des Quinquinas p. 94. adn.)

Calyx crateriformis, tubo brevissimo cum ovario connato, limbo supero cupuliformi persistente, dentibus 5 brevibus triangularibus obtusis. Corolla supera glabra, tubo brevi fauce ampliato, limbo patente, lobis 5 ovatis obtusis, aestivatione imbricatis. Stamina 5 fauci corollae inserta, filamentis brevissimis, antheris latis ovatis subexsertis. Ovarium inferum depressum biloculare. Ovula plurima, in placentis crassis dissepimento" utrinque affixis, anatropa. Stylus crassiusculus, corollae tubi longitudine, stigmatе bilobo exserto, lobis crassiusculis truncatis. Capsula globosa costulata, e calyce vertice soluta, ab apice juxta mediam longitudinem circiter loculicide dehiscens, valvis demum apice bifidis. Semina plurima, placentis subhemisphaericis favoso-rugosis inserta, minuta elongata, testa laxa submembranacea. Embryo ... ? — Arbores excelsae in America subandina crescentes: foliis oppositis petiolatis coriaceis glabris; stipulis axillaribus, basi interiori glandulosis resinae que cerea viridi inflatis, denique truncatis; floribus racemoso-paniculatis, pedunculis terminalibus.

1. E. UTILIS Weddell 1. cit. — Foliis late ellipticis obtusiusculis. basi attenuatis. coriaceis, utrinque glaberrimis. breviter pelioctis; stipulis coriaceis liberis, denique truncatis, margine superiore revolutis; panícula valde multiflora, folia aequante, ramulis erectiusculis. — *Arbol del cca.* — *Condaminea utilis* Goudot Herb. — Wlprs. Report. VI. 701. no. 1. — Habitat juxta Fusaguasuga Novo - Granatensium.
2. E. MARIAE Weddell 1. cil. — Foliis oblongis vel oblongo-lanceolatis acutiusculis subacuuminatis, basi paulo attenuatis, petiolis brevibus ramulisque resina viridescenti saepe obtensis; stipulis basi connatis, demum liberis truncatisque, margine superiore reflexis; panícula late ovata, basi foliosa, foliis longiore. — *Aceite Maria.* — Habitat in nemoribus calidis montium provinciae Peruvianaе Carabaya.

f *Genera Rondeletia dubiae affinitatis.*

1. COPTOPHYLIUM Krthls.

(Krthls. Nederlandsch kruidkundig Archief II. pag. 161.)

Calycis tubus ovoideus, ovario adnatus, limbus quinquepartitus, partibus oblongis ciliatis. Corollae tubus subinfundibuliformis, fauce puda, limbus quinquepartitus, partibus obtusiusculis. Stamina quinque inclusa, in medio tubi inserta, filamenta filiformia, antheris linearibus. Stigma bilobum, lobis Iruncatis. Stylus teres, ad basin tubo glanduloso cinctus. Ovarium biloculare, ovula numerosa, in placentis subhemisphaericis medio loculo affixis. Capsula membranacea indehiscens (?) bilocularis. Semina subrhombea scrobiculata. Embryo clavatus, in medio albuminis carnosus erectus. — Planta suffruticosa. Folia longe petiolata, venis subdestiluta, obovata, supra sparsim subtusque in nervis dense hirsuta. Slipulae obtusae ciliatae. Capitula bracteata, bracteis exterioribus majoribus, multiflora; floribus bracteis lanceolatis ciliatis mixtis.

^x> *C. BRAGTEATUM Krthls. 1. cit. p. 162. — Crescit in sylvis Singalang insulae Sumatrae.

2. OTOMERIA *Bnth.*

(Dnth. in Hooker, Niger Flora 405.)

Calycis tubus oblongus, limbus 4—5-partitus, lacinia altera foliacea caetens multo longiore. Corollae tubus filiformis, apice paulo dilatatus, ad faucem intus pilosus, limbi laciniis 5 lineari-oblongis, aestivatione imbricata. Antherae Jineares, intra villis faucis subsessiles. Stylus disco carnosus impositus filiformis, apice vix brevissime bifidus. Ovarium biloculare, loculis multiovulatis. Capsula oblonga, calycis laciniis coronata, submembranaceo-dicocca, coccis intus longitudinaliter dehiscentibus placentas lineares denudantibus. Semina plurima ovoidea vel angulata. — Suffrutex in Africa tropica occidentali indigenus habitu Otiophorae. 1. -0. GUINEENSIS *Bnth.* 1. cit. 405. f — Crescit in Nigritia.

Tribus XII. CIKCHONEAE Endl. Gen. plant, p. 553.

Subtribus I. EUCIXCHONEAE Endl. 1. c. p. 554.

3265. BOUVARDIA *Salisb.*

(DC. Prodr. IV. 365. — Wlprs. Reperl. II. 507. VI. 62, Annal. I. 377.)

1. D. HYPOLEUCA *Bnth.* Plant. Hartweg. 288. no. 1605. — Raris cano-pubescentibus. foliis ternis—quaternis lineari-lanceolatis. marginibus revolutis, supra viridulis scabropuberculis, subtus albo-tomentosis; stipulis selocis; corymbis densis; corollis hispidis.— Forte *B. scabridae* Mart. 8c Gal. var., sed folia maxima vix, 3 lin. lata et fere 3 poll, longa, plerumque 1—2 poll, longa, 1—2 lin. lata. tomento albedo paginae inferioris insignia. Supularum vagina brevissima, setae saepius solitariae.— 3 lin. longae. Calycis laciniae lineari-subulatae, longiores quam in plerisque speciebus affinis, sed harum ratio cum corollae longitudine in *Bouvardia* valde variabilis videtur. Corolla 4 lin. longa coccinea, pilis brevibus albidis hispida. Capsula ovoidea, a latere compressiuscula, utrinque sulcata. — Crescit ad Aguas Calientes in Mexico.
2. B. CHIRYSANTHA Mart. Delect. sem. hort. Monac. 1848. pag. 4. adnot. — Fruticulosa glabra: ramulis obtuse tetragonis; foliis subcoriaceis venis lanceolatis acutis; stipulis subulatis interpetiolaribus petiolis brevioribus; corymbis 7—12-(loris terminalibus erectis; calycis corolla 6—7-ies brevioris dentibus lanceolatis acutis tubum subaequantibus; corolla (aurea) limbo brevi 4—5-fido, tubo 4—5-gono; stylo antheras 4—5 inclusas subsuperante. — In Mexico prope Santjaguillo.
3. B. GLABERRIMA Engelm. Sketch of the bot. of Wislic. expedit. 22. adnot. — Glaberrima: caule erecto tereti; foliis ternatis breviter petiolatis ovato-lanceolatis, utrinque acuminatis patenlibus vel reflexis, cyma composita foliacea; calycis segmentis tubum bis superantibus; corolla calyce quintuplo vel sextuplo longiore, extus glabriuscula, intus parce barbata. — In Mexico septentrionali (Cosihuiriachi).

f Ieones Addendae.

- B. CAVANILLESII *DC. 1. c. 366. no. 10. — Lindl. Journ. of the hort. soc. III. 346. (c. ic.) — Van Houtte, Flore des serres V. p. 495 b. (c. ic.)

3266. MAIVETTA *Mutts.*

(DC Piodr. IV 362 - Wlprs. Repert II 507. VI. 62)

- 1 *M (Lygi&lum) PANAMENSIS* Duchass et Walp *Linnaea* XXIII. 733. f — Fleibacea volubilis mmii» quadiangulanbus nilidis, foil is petiolalis o^ato-Innceolatis, ulunque glabris stipulis margimformibus deculus, pedunculis. axillanbu*. unillons, folio bievionbus vel cymoso - pauciflons folio longionbus. cnlycis campanulati lacinus octo aequahbus, lanceolatis, coiolla dimidio brevionbus, capsula profunde bisulcala, le\iter octocostata — AfDnis *M lectmalac* L et *M racemotae* Rz et Pav , ab uliaque autem di fieri pedicellis coroilisque glabns, *M. cuspidata* BLII CX dscnptione recedit pedunculis axillanbus bipartitis et caljcis scabnusculti lacinus linean-bubulalis elongatis — Panama.
- * *M MINIATA* Lemane in VanHoutto, Flore des serres IV tab 317. f — Volubilis, tola (et floris etiam paites) pilis brevisMtnis albis scabrida cnule cylindnco ramoso rubescente gracili. foliis oppositis crassis ovali - ellipticis, basi longe attenuatis apice breviter acutis vel subacuminatis, supra pilosis gnseo-virescentibus, infra solum secus nervos, flonbus geminis mterdum sohianis longe pedunculatis, calyce tubinato, hmbi segment is 5—8 paluli&, corolla infundibuliformi cainosa c}lindnca, ad os glandulis paucis luteis filiformibus oclusa, ad basin usdem «ed hyalims et numerosis vestita, segin. 4 patulis anthers parum infra faucem inserlis, filamentis connalis sligmate biQdo papilloso — Habitat . ?
- 3 *M CONFERTIFLORA* Bntb *Linnaea* XXIII 443 f — Undique pube^cens foliis ovatis acuiis, pedicellii> axillanbus solitarus folio brevionbus, superciubus subcorjmbosis calycis lacinus lmeari -subulatis, accessorns bievibus setaccis, corolla longe tnbfllosa pubescente, superne ampliata submcurva — Brasilia
- 4 *M ASPEftULA* Bnth 1 c 444 t — Pubescens foliis ovalis vel ovato - lanceolate, florahbus subcordalis pedicello solitano brevionbus, calycis puberuli lacinus oblongis folinceis, basi angusiatis, accessorns minutis dentiforniibus. corolla longe tubulosa glabra, superne ampliata subinrurva — Brasilia
- 5 *M. LUTEO -RUBR* Bnth 1. c 445. f — Pubescens foliis ovatis oblongis\e nculis, basi angusiatis, subtus tomenlosis, pedicellis soli tarns, calycis lacinus ovato-ccuminatis foliaceis, sinubus edentulis, corolla extus tomentosa aequaliter tubulosa lecta — *Guagnebxna luteo-rubia* Veil Flor. Flumin I t 121 — In Brasilia
- ^h *M (Nacibea) GRANDIFLORA* Miq *Linnaea* XXII 803 f — \olubilis pubescens lamis scabnusculis demum Rlabns foliis laiuscule ovatis bicutei et acute acummaii membra naceis, supra glabns, basi quandoque leviter concava in petioli apicem subdecur•entibus, flonbus axillanbus solilarns vel in ramulo terminalibus. calycis lobis 4 lanceolatis heibaceis ciliolatis puberulisque tubum coloralum glabrum paulo superantibus tlinearibus, corolla fere bipollicari cylinduco-infundibulifoimi (purpurea?) — Habitat m Brasiliae provincia Bahiensi

3266A. COPTOSAPEI.TA *Krthls.*

(Krthlfl Noderl kruidk. Arch II p. 112.)

Calyx dense pilosus subglobosus, limbus qumquepartitus, sepalis oblongis Ovanum biloculare, ovula ia placentis oblongs dissepumento yedio affixis mserta. Capsula lignosa, in mencarpia duo locuhcide vchiscens. Semina multa &subpeltala. placentas ramosas hberas tegentia, ala merqbranacea laciniata cincta. Embryo erectus in albumine cainoso,

cotyledones ovati, radícula teres. — Frutex scandens. Ramuli tetragoni, juniores compressi pilosi. Folia ovata, brevissime acuminata, basi subcordata, sublus pilosa. Fructus terminales, racemosi bracteati.

1. *G. FLAVESCENS Krthls. — Crescit ad flumen Karrau in insula Borneo.

3266/2. RHOMBOSPORA Krthls.

(Krthls. Nederl. kruidk. Arch. II. p. 114.)

Calycis tubus subglobosus quinquedentatus. Corollae tubus infundibuliformis, fauce glabra, limbus quinquepartitus clausus. Stamina quinque, antherae sessiles, apice bipartitae. Stylus exsertus, stigma bifidum revolutum. Capsula globosa, calycis dentibus coronata bilocularis, in mericarpiis duo per dehiscenciam loculicidam secedens. Semina multa, placentas hemisphaericas imbricantia minuta, membranarum rhombiformibus alata. — Frutex scandens. Ramuli teretes sericei. Folia obovata acuminata, basi longe attenuata, subtus pubescentia. Stipulae intrafoliaceae. Corymbi terminales; floribus unilateralibus.

1. *RH. GOMMERSONII Krthls. 1. cit. pop. 115. — Crescit in sylvis Melintang insulae Sumatrae.

3272. IiASIOITOIIA Weddell.

(Wlprs. Rcpert. VI. 63. — Weddell, Hist. nat. des Quinquinas p. 97.)

Calyx tubo oblongo cum ovario connato, limbo supero persistente crateriformi, breviter quinquedentato. Corolla supera glaberrima pubescensvc, tubo infundibuliformi, limbo patenti quinquepartito, lobis membranaceis rotundatis aestivatione reduplicatis vel crassiusculis ovatis aestivationeque valvatis, intus ad marginem magis minusve puberulis. Stamina quinque infra tubi medium inserta subdidynama, filamentis superne attenuatis, paulo infra medium barbatis, antheris oblongis, dorso affixis incumbentibus. Ovarium inferum biloculare. Ovula plurima, in placentis oblongis a dorso compressis dissepimento medio longitrorsum affixis peltatim inserta imbricata anatropa. Stylus filiformis, corollae tubi longitudine, stigma bilobum, lobis lamellatis obtusis. Capsula coriaceo-chartacea* oblonga vel lineari-lanceolata, utrinque sulcata bilocularis, a dorso loculicide dehiscens, septo integro vel denique longitrorsum fisso carpidiisque e calyce magis minusve solutis. Semina plurima minuta, in placentis subteretibus deciduis peltatim imbricata compressa, apice et basi in alam filiformem integerrimam producta. Embryo in a\i albuminis carnosus rectus, cotyledonibus ovatis, radícula infera. — Arborea vel frutices Americam intertropicam occidentalem incolentes: cortice adstringente; foliis oppositis integerrimis membranaceis, plerumque glabris, petiolatis; stipulis interpetiolaribus, dorso carinatis, superne spathulatis; floribus roseis vel albidis, cymoso-paniculatis, pedunculis terminalibus axillaribusve.

* *Laciniae corollinae aestivatione reduplicatae.*

1. L. ROSEUM D. Don. — Wlprs. I. c. 64. no. 3. — Weddell I. c. 98. - Foliis lanceolato-ovatis, utrinque acutis, leviter numinatis glabris; panicula terminali; dentibus ca\jci-

nis brevissimis obtusis; corollae lobis aestivatione reduplicatis; capsula lanceolata. — *Cinchona fusca* Rz. in Vitm. Suppl. I. 262. — *Cinchona Tarantaron* Pav. mss. — *Cascarillo Pardo* Pav. Quinol. 77. — *Asmonich* incolar. — Crescit in Andium nemoribus imis.

2. L. GRANDIFLORUM Wddll. I. c. pag. 98. — Foliis obovatis obtusis vix attenuatis glabris; panicula terminal!; demibus calycinis triangularibus acutiusculis; corollae lobis aestivatione reduplicatis; capsula ? — Crescit in nemoribus Novae Granatae.
3. L. PUBESCENS Bnth. — Wlprs. I. c. 64. no. 2. — Wddll. 1. c. p. 99. — Foliis ovatis acuminatis coriaceis, supra glabris, subtus ramulisque ferrugineo-pubescentibus; paniculis axillaribus pedunculatis; limbo calycino brevi quinquefido; corollae glabris laciniis aestivatione imbricatis (reduplicatis); capsula curvata. — Crescit rarissime prope pagum Mercaderes, inter urbes Pasto et Popayan in republica a Novo-Granatensi.
4. L. GLABREGENS Bnth. — Wlprs. 1. cit. 63. no. 1. — Wddll. 1. c. pag. 99. — Foliis ovali-oblongis acuminatis, basi angustatis, rigide membranaceis, supra glabris, subtus ad axillas venarum barbatis, junioribus ad venas soriceis, demum glabris; paniculis compactis subcorymbosis; corolla extus glabra. — Crescit in America centrali ad Nicoya.

* * *Ladniae corollinae aestivatione valvatae.*

5. L. CINCHONOIDES Wddll. 1. cit. pag. 99. — Foliis oblongo-vel obovato-lanceolatis, utrinque acutis, supra glaberrimis, subtus pilis brevissimis in venis frequentioribus conspersis; paniculis axillaribus, floriferis erectis, fructiferis glomeratis intricatis, demum nutantibus; demibus calycinis brevibus obtusis; corollae laciniis aestivatione valvatis; capsula lineari-clavata arcuata, basi longe aliena. — *Cascarilla bruta*. — Crescit in sylvis humidiusculis vallium subandinarum prov. Carabaya Peruvianorum, loco Tambopata.
6. L. HUMBOLDTIANUM Wddll. 1. c. p. 99. — Foliis ovato-lanceolatis obovatisve acutiusculis, basi paulo attenuatis, supra glabris, subtus petiolisque lomentoso-hirsutis; panicula terminal!; demibus calycinis triangularibus acutis; corollae laciniis aestivatione valvatis; capsula ovato-oblonga. ~ *Ladenbergia ovalifolia* Klzsch. — Wlprs. Reper. VI. 68. no. 20. — Crescit in Andibus Peruviae prope Cuenca.

3273. REMIJA DC.

(DC. Prodr. IV. 354. — Wlprs. Reper. II. 509. ex p.)

1. R. PURDIEANA Weddell, Annal. sc. nat. (3. Ser.) XI. 272. f — Foliis oblongis, basi attenuatis abrupte acuminatis planis, demum glabris; panicula subcorymbosa; bracteis foliaceis integris bi-vel tridentatis; floribus subcapitatis. — Habitat in Nova Granata.
2. R. (LADENBERGIA Klzsch. - Wlprs. Reper. VI. 67. no. 8.) CUJABENSIS Weddell. Hist. nat. des Quinquinas p. 93. adn.
3. * R. (LADENBERGIA Klzsch. — Wlprs. 1. c. no. 9. — CINCHONA Martius.) FIRMULA Weddell 1. c. adn.
4. * R. (LADENBERGIA Klzsch. — Wlprs. 1. c. no. 11. — CINCHONA Martius. — Wlprs. Reper. II. 509. no. 2.) BERGENIANA Weddell 1. c. adn.
5. R. (LADENBERGIA Klzsch. — Wlprs. Reper. VI. 67. no. 12. — CINCHONA Martius. — Wlprs. Reper. II. 509. no. 4. — EXOSTEMMA G. Don. — Wlprs. 1. c. 508. no. 4.) MACROCNEZIA Weddell 1. c. adn.

3274 • CIHTCHOHTA Linn

(WEDDELL, *Hisloie n.Ureille des Quinquinas ou monographie du genre Cinchona* ~~suivie~~ d'une description du genre Casciuld et de quelques a titres plantes de h meme tnbu Ouvrage accompagnc de 34 planches dessimScs par RIOCULUX u STLINHEIL*) [Pans 1849 Fol pp IV & 108] p 17 l 1—21 - DC Piodr IV 351 [exp] — Wlpis Repert M 64 — KH/sch mss in Hayne s Arzncigewachse XIV ailnot ad tub. 15 — *Qumqmna* Coid — Weddell, Anml des scienc nat 3 Sei X p 5 177 & \l p 269—272. Rectifications à la lCvue du genre Cinchona)

Calyx tubo turbinato, cum ovano connalo pubescente, limbo supeio qumquedentato persistente, dentibus in piacfloratione ^alvatls. Coiolla hypocratenformis, tubo teretj \el subpentagono, in angulis baseos nonnumquam fisso, mlusglabro ^el lanssime pilosiusculo, limbo quinquehdo, lacimis lanceolatis, mlus glabns, margine piloso-barbatis (pilis clavi-formibus lanatis), extus luboque pubescentibus, aestivatione \alvatis, explicatis patulo-recurvis Stigmata quinque, corollae lacimis alterna, glabra, filamentis inferne tubo msertis adnalis, anthers lineanbiis mclusis vel ap'ce subexseihs biloculanbus intioibis, lrno dorso affixib Ovanum disco carnosio pulvinifoimi, obsolete 5- vel 10-tuberculato coronatum. OMtia numeroa, in placentis lmeanbus dissepimento utrinque affixis peltata imbnicata anatropa. Stylus simplex glabei, stigma bifidum, in tubo corollmo latens vel subexsertum Cap^ula o^ata oblonga ^el lineaii-lanceolata, ulnnque sulcata, limbo calycis coronata lae\is vel obscure costata glabra pubescensve, biloculans polyspeima, septicide a basi ad apicem dehiscens, Aahulis sejunctis, pedicello simul longidoisum fisso. Semina plunna in placentis angulato-alatis demque libens pellahm affixa, suisum imbnalfi compressa, nucleo oblongo, ala membranacea maigine denticulata ex lato ambitu cmcto. Embryo in axi albumims carnosi lectus, cotyledombus ovatis mlegris, radícula teieti infeia

1 C CALSAYA Weddell 1 c p 30 X t 3 a 4 — Folns oblongis vel lanceolato - obovatis obusis, basi nitenuais, ranus ulnnque acutis glabratis mtidis, vel subtus pubescentibus in axillis vena rum scrobiculalis, filamentis quam dimidia a nth era plerumque biovionbus capsula ovala, flores longiludme vi\ aequante, semimbus maigme crebre flmbnaio - denticulatis.

a *Calusaya vera* arbor folns oblongo - vel lanceolato-obovatis obtusis (J *Josiphiana* fiutex folns oblongo- vel ovalo-lanccolatis acutiusculis — Crescit in Bolivia et Peruvn australi

2 C CONDAMINEA Lamb Illustr Cmchon 2 (exel C mlida) — Weddell 1 c p 37 f t 4 4bis & 5 — Folns lanceolotis ovatis vel subrotundis, plerumque acutis, supra glabernmis nitidi*. subtus in axillis \onaium mterdum sciobiculatis, dentibus calycims ttiangulan-acuminatis lanceolalisve, filamentis dimidmm anheiaium subaequantibus nsve longionbus cnpsula oblonga vel lanccolala, flonbus multo longion. semimbus elhpticis, margme denticulatis

a *Condaminea veia* 1 c folns ovato - lanceolatis acutis, in axillis venarum scrobiculatis, limbo calycis subcampanulato, dentibus tngulanbus. anthers filamentis plerumque multo longionbus, capsula oblongo-ovatt, longitudme duplam latitudinem

*) Cf Annal des sc natur (3 Ser) XI p 257 sn sq Rapport sur un mdmoire de M le Docteur Weddell intitule' Histoire naturelle des Quinquinas par M A DE JUS-SILU

vix excedente. — *C. officinalis* Linn. — *C. lancifolia* Rohde, Monigr. 53. — *C. Condaminea* H. B. Kih. Pl. aequin. I. 33. tab. 10. — *C. Donplandtana* Kltzsch. — Wlprs. Reperl. VI. 64. no. 2. — *C. Chagtiarguera* Pav. — *C. Uritusinga* Pav. — *C. stupea* Pav. — Crescit in Loxa.

(J. *Candollii* 1. c. foliis obovatis subrotundisve, basi cuneatis rotundatis vel subcordatis, apice aculiusculis; limbo calycis campanulato glabrescente, dentibus lanceolatis; sigmatibus sulfoxserlis. — *C. macrocalyx* Pav. — DC. Prodr. IV. 353. — Crescit in Cuenca.

y. *lucumaefolia* 1. c. p. 38. foliis elliptico-lanceolatis obtusissimis, basi attenuatis; limbo calycis subcampanulato, dentibus triangularibus subacuminatis. — *C. lucumaefolia* Pav. — Wlprs. Reperl. VI. 65. no. 9. — Crescit in Loxa.

8. *lancifolia* 1. c. foliis lanceolatis vel obovalo-lanceolatis, utrinque aculis scrobiculis destitutis; dentibus calycinis brevibus triangularibus; antheris saepius brevioribus ac filamentis; capsulis plerumque lanceolatis. — *C. lancifolia* Mutis. — DC. Prodr. IV. 352. — *C. angustifolia* Rz. ft Pav. Quinol. Suppl. 14. c. tab. — Crescit in Peruvia, Aequator et Nova Granada. »

e. *Pttayensis* 1. c. foliis lanceolatis, utrinque acutissimis; calycis limbo quinquelaciniato, laciniis linearibus. — *C. lanceolata* Bnih. Plant. Hartw. no. 1047. — Crescit in Nova Granada.

3. *C. SCROBICULATA* H. B. Kth. Pl. aequin. I. 155. t. 47. — DC. 1. c. 352. — Wddll. I. c. p. 42. f. tab. 7. — Foliis oblongis lanceolatisve, utrinque acutis aubcoriaceis, supra nitidis, subtus glabris et in axillis venarum minutissime scrobiculatis; dentibus calycinis triangularibus aculis; capsulis ovalo-lanceolatis, latitudine sua vix duplo longioribus; ala seminum basi angustata, margine seloso-denticulata.

a. *genuma*: foliis oblongis. — *C. purpurea* Lamb. — *C. micrantha* Lin'dl. Flor. Medic. 412. — Crescit in Peruvia.

?. *Dclondriana*: foliis omnibus sublanceolatis, rainoribus ac in typo, scrobiculis plurimum conspicuis. — *C. Dclondriana* Wddll. Ann. sc. fiat. (3. Ser.) X. 7. — Crescit in Peruvia media.

4. *C. AMYGDALIFOLIA* Wddll. I. c. p. 45. f. tab. 6. ft Annal. sc. nat. (3. Ser.) X. 6. — Foliis lanceolatis subacuminatis aculis, basi attenuatis, supra nitidis venosis, subtus glabris; stipulis subpersistentibus; dentibus calycinis triangularibus acutis; antheris Momenta aequantibus; capsula lanceolata puberula, latitudine sua (riplo vel quadruplo longiore; seminibus margine acute denticulatis. — Crescit in Bolivia et Peruvia.

5. *C. NITIDA* nz. ft Pav. Flor. Peruv. II. 50. t. 191. — Wddll. I. c. p. 47. f. t. 10. A. — Foliis lanceolate* - obovatis aculis, basi attenuatis, utrinque glabris, nitidis vel infero leviter pilosis escrobiculatis; filamentis amheras aequantibus; capsula anguste lanceolata, latitudine sua duplo longiori; seminibus lanceolatis, margine denticulatis. — *C. lancifolia* a. *nitida* R. & Sch. — *Cascanlla officinalis* Ruiz, Quinol. 56. — Crescit in Peruvia.

6. *C. AUSTRALIS* Wddll. 1. c. p. 48. f. tab. 8. ft Ann. sc. nat. 1. c. 7. — Foliis late ellipticis vel obovatis obtusis, basi aculis, utrinque glaberrimis nitidis, subtus in axillis venarum venularumque minute scrobiculatis; capsula ovalo-lanceolata, sursum insigne attenuata; ala seminum margine setoso-denticulata. — Crescit in Bolivia australi.

7. *C. BOLIVIANA* Wddll. 1. c. p. 50. f. tab. 9. ft Ann. sc. nat. 1. c. — Foliis ellipticis vel oblongo-obovatis obtusis, basi cuneatis attenuatisve, supra glabris, subtus glabris pubescentibusve et purpurascens; dentibus calycinis triangularibus; filamentis antheras aequantibus; capsula ... ? — Crescit in Bolivia et Peruvia.

8. *C. MICRANTHA* Rz. ft Pav. Flor. Peruv. II. 52. tab. 194. — Lamb. 1. c. 7. — Wddll. 1. c. pag. 52. f. tab. 14. ft 15. — Foliis late ovatis obovatis rotundatisve obtusiusculis, basi ovatis minusve attenuatis membranaceis, supra glabris, subtus levissime pubescentibus, in axillis suis pubescentibus vel pilosis; dentibus calycinis brevibus

- acuminatis; panicula thyrsoides, fructifera subconferta, capsula lanceolata, ala seminum margine denticulate
- a. *i otundt folia* folus ovato - rotunda Us — *C coidtfoha* Rohde 1 c 59. — Crescit in Peruvia et Bolivia
- P *oblongifoha* folus oblongo - ovatis — *C affmxs* Wddll. Ann. sc nat 1. c. 8 — Crescit in Peruvia
- 9 C PUDESCENS Vahl. Act soc, Hafn I 19 tab 2 — Lamb 1. c 21 t 2. — Wddll 1. c. p 54 f lab 16 — Folus late ovatis subacutis, basi (in junionbus praesertim) attenuatis membranaceis, supra glabratis, subtus pubescentibus, breviter petiolatis, dentibus calycims tnangulan - acuminatis, antheiis subscsilibus, panicula fructifera laxa djvancata capsula lineari - lanceolata semimbus maigine setoso-denticulatis.
- a. *Pelletiertana* foliis utrinque vindibus — *C officmahs* Linn. — *C Pelleteriana* Wddll in Ann. sc nat 1 c 8
- p. *purpwea* folus adultis subtus purpurascens — Crescit in Peruvia et Bolivia
- JO. C CORDIFOLIA Mutis. — Wlprs. Repert. VI. 65. no 13 — Wddll. 1. c. p 57. f tab 17 — Folus ovato-suborbiculatis, utrinque obtusis aut basi leviterve attenuatis submembranaceis, supia demum glabratis, subtus pubescentibus, saepius longe petiolatis. dentibus calycims brevibus mucronulatis antheis filamentis multo longioribus. panicula subcoiymbose, captula lanceolata, ala seminum margine denticulata tenuiteique fenestrato-pertusa.
- a *veia* folus subcordato - ovatis, subtus pubescentibus — *C. pubescens a cordata* DC Prodr IV 353 — Crescit in Nova Granata et Peruvia
- p. *rolundtfoha*: folus rotundatis, utrinque obtusis donudatis. vel sublus venisque supra puberulis — *C lolundifolia* Pav. — Wlprs. Repert 1 c no 12. — Crescit in Loxa.
- 11 C. PURPURASCENS Wddll 1 c p. 59 f lab. 18 ft Annal. sc. nat. 1. c 8 — Folus maximis suborbiculatis acutis, basi attenuatis. membranaceis. supra glabratis, subtus vellens, jumonbus subsessilibus, stipulis ovato - lanceolatis....? — Crescit in Bolivia
12. C OVATA Rz ft Pav Flor. Peruv. II 52. tab. 195 — Wddll 1 c. p. 60 f tab 11. ft 12 — Folus late ovatis subacutis, basi attenuatis subcoilaceis, supra demum glabratis, subtus pubescenti-tomentosis, dentibus calycims brevibus acutis, antheis filamentis multum longioribus, panicula fructifera difflusa, capsula lanceolata vel oblongo-lanceolata, ala seminum margine fimbriato - denticulata.
- a. *vulgaris* Weddell 1 c. tab. 11 folus utrinque vindibus, cortice sicco flavo, tunica cellulosa persistente vel e libro demum magis minusve soluta — *C cordifoha* P Rohde 1 c. 59 - *C. pubescens* Lamb. 1. c. 6 — *Cascanillo paludo* Rz Quinol. 74. — Crescit in Peruvia et Bolivia.
- p. *rufinervis* Weddell 1 c. tab. 12 folus subtus sanguineo-venosus, cortice sicco flavo, tunica cellulosa e libro demum soluta — Crescit in Peruvia meridionali et Bolivia.
- y. *erythroedema* folus submembranaceis subtus pubescentibus, utrinque virentibus, cortice sicco saturate rufescente, tunica cellulosa persistente. — Crescit in Peruvia
- 13 C. CHOMELIANA Wddll I. cit pag. 64. t tab 13. ft Annal scienc natur. I. c 9 — Folus ovatis acutis, basi cuneatis coriaceis, supra glabratis, subtus tomentosis, dentibus calycims brevibus mucronulatis, antheis filamentis aequantibus, panicula fructifera rigida, capsula lineari subaiguata, ala seminum subintegra — Crescit in Bolivia.
- 14 C GLANDULIFERA Rz. ft Pav I. c III 1 tab. 224 — DC. Prodr. IV. 354. — Wddll. 1 c p 65 f t. 21. A. — Folus ovato-lanceolatis. utrinque acutus, supra glabratis*

subtus glanduloso-pilosis et in axillis venarum scrobiculatis; dentibus calycinis brevibus triangularibus subacuminatis. — Crescit in Peru via.

15. *C. ASPERIFOLIA* Wddll. 1. cil. p. 66. f. tab. 20. ft. Ann. sc. nat. 1. c. 7. — Foliis ovato-vel oMango-lanceolatis aculis, utrinque pilosis, supra denique asperis; capsula lineari-oblonga; ala seminum margine crebre ciliato-denticulata. — Crescit in Bolivia.
16. *C. HUMBOLDTIANA* Lamb. 1. c. 7. — Wddll. 1. cit. p. 67. f. tab. 10. B. — Foliis ovato-lanceolatis, utrinque acutis, supra glabris, subius pilosis; capsula ovata villosa; seminibus margine denticulatis. — *C. villosa* Lindl. — Wlprs. 1. c. no. 14. — Crescit in Peru via.
17. *C. CARABAYENSIS* Wddll. 1. cit. p. 67. f. tab. 19. a. Ann. sc. nat. 1. c. 9. — Foliis magis minusve ellipticis lanceolatisve, saepius acutis, basi rotundatis vel subattenuatis coriaceis, margine revolutis, supra denique glabris, subius tomentosis; dentibus calycinis triangulari-lanceolatis; capsulis oblongo-lanceolatis pubescentibus, latitudine sua triplo longioribus; seminibus margine setoso-denticulatis. — Crescit in Peruvia.
18. *C. MUTISH* Lamb. HL. 9. (ex p.) - Wddll. 1. cit. p. 69. - Foliis elliptico-vel oblongo-ovatis coriaceis, supra nitidis, subtus valde pilosis, margine subrevolutis; dentibus calycinis brevibus mucronulatis; corollae tubo intus piloso; capsula . . . ? — *C. glandulifera* Lindl. Fl. medic. 421. — Crescit ad Loxam.
a, *microphylla*: foliis ovalis, utrinque acutis. — *C. microphylla* Mutis. — *C. quercifolia* Pav. mss.
P. crispa: foliis majoribus ac in var. ft. elliptico-ovatis obtusis, basi magis minusve rotundatis. — *C. quercifolia* var. *crispa* Pav. mss.
19. *C. HIRSUTA* Rz. ft. Pav. 1. c. II. 51. tab. 192. — Lamb. III. 10. — Wddll. I. cit. p. 70. f. tab. 21. B. — Foliis elliptico-ovatis obtusis, basi plerumque subacutis coriaceis, supra venosis, demum nitidis, subtus praecipue in venis setoso-pilosis; dentibus calycinis lanceolato-acuminatis; corollae tubo ad filamentorum basin intus pubescente; ala seminum lata denticulata. — *C. cordifolia* (S. Rohde I. c. 59. — *C. pubescens* y. *hirsuta* DC. Prodr. W. 353. — *Cascarillo delgado* Rz. — In Peruvia.

* *Species minus notae.*

20. *C. DISCOLOR* Kitzsch - Wlprs. Repert. VI. 65. no. 16. - Wddll. I. cit. p. 71. - Foliis minoribus obovato-acuminatis, basi cunealis opacis; floribus pentameris purpureis, limbo villis candidis. — Crescit in Peruvia subandina.
21. *C. PELALBA* Pav. mss. — DC. 1. c. 355. — Wddll. 1. cit. p. 71. — Foliis subrotundatis vix apiculatis membranaceis, in petiolis et utrinque in nervis hirsuto-velulinis, inter nervos subtus velulinis, supra subpuberulis; fructibus oblongis teretibus. — Peruvia.

3274/4. *CINCHONA* Weddell.

(Weddell, Ann. sc. natur. [3. Ser.] X. 10. ft. Hist. natur. des Quinquinas 77. — *Cinchonae* ft. *Buenae* spec. Auct. — *Ladenbergia* Kl. ex p.)

Calyx tubo ovato vel turbinato, cum ovario connato pubescenti aut tomentoso-piloso, limbo supero plerumque 5-dentato, subimmutato persistente rariusve deciduo, dentibus aequalibus, praefloratione valvatis, interdum obsolete. Corolla supera hyprocrateriformis, tubo tereti subinfundibuliformi, limbo 5- rarius 6-fido, laciniis, lanceolatis linearibusve, membranaceis aut coriaceo-carnosis, per aestivationem valvatis, totus tota superficie seu ad margines tantum papillosis, extus cum tubo pubescentibus tomentosis pilosisve, sub anthesi patentibus. Stamina 5

rarius 6, imae corollae inscra ejusque laciniis allerna glabra, filamentis lubo longius brevinsve adnais et illius ultra medium saepius liberis, antheris linearibus, dorso imo affixis bilocularibus, longilrorsum rimosis inclusis. Ovarium disco carnosio pulviniformi, obsolete dentato coronatum, biloculare, indefinite ovulatum. Uvula placentis axillaribus crassis subleretibus medio dissepimento affixis inserta numerosa anatropha ascendenlia pellata et sese invicem vertice imbricantia. Stylus filiformis simplex glaber vel rarissime pubescens. Stigma bifidum, lobis in (ubo corollae latenlibus vel apice subexsertis. Capsula oblongo-lanceolata linearis vel clavata subtercs laevigata seu costulata bilocularis polysperma, septicide ab apice ad basin dehiscens. Semina plurima in placentis subteretilpus vel mngis minusve anguJato-alatis demum liberis pellatim inserta imbricata compressa, nucleo oblongo, ala membranacea lanceolato-elliptica tenui fenestrato - pertusa, in raargine denticulata vel lacera ex integro ambitu cincto. Embryo in axi albuminis carnosii rectus homolropus, cotyledonibus ovalis integris, radícula tereti infera.

§. 1. *Pseudoquina* Wddll. 1. cit. 79.

Slipulae liberae vel basi leviler connatae. Panicula multiflora. Corolla submembranacea, laciniis supra margine lantum papillosis.

1. C. *MAGNIFOLIA* Wddll. 1. cit. p. 79. f — Foliis oblongo-ovatis obovatisve, aculis aut obtusis coriaceis, utrimjue gluheiriniis vel subius pubescentibus; denlibus calycinis triangulari - ovalis obtusis nculisvc; capsulis lanceolatis vel oblongis, denique glabris.
 - a. *vulgaris*: laciniis corollae tubi longiudine; shlo brevi antheras baud attio- genle; capsula lineari-oblonga subcylindrica. — *Cinchona magnifolia* Rz. ft Pav. Flor. Peruv. II. 52. tab. 196. — Lamb. III. 10. — *C. grandifolia* Poir. — *C. oblongifolia* Mulis. — *CascarUlo amarillo* Ruiz Quiiiol. 71.

(§. *caduciflora*: laciniis corollae lubo brevioribus; stylo elonguto, sligmatibus subexsertis; capsula lineari - oblonga subcylindrica. — *Cinchona caduciflora* H. B. — DC. Prodi*. IV. 355. — *C. magnifolia* II. Bonpl. Pl. aequin. 156. tab. 39.

Y* *rosirata*: cnpsula lineari-lanceolate, utrinque atienuala. — *Cascariila rostrata* Weddell, Ann. sc. naur. (3. Ser.) X. 10. — Crescit in Bolivia, Peruvia, Aequator et Nova Granatu.
2. C. *ISITIDA* Wddll. 1. cit. 11. ft Hist. natur. des Quinquinas 80. f — Foliis lanceolatis, utrinque acutis submembranaceis glaberrimis longe petiolalis; dentibus calycinis tri- mngularibus acutis; capsula lanceolata. — *Cinchona nitida* Bnih. — *Ladenbergia nitida* Kltzsch. — Wlprs. Repert. VI. 68. no. 22. — Crescit in Venezuela.
3. C. *STENOCARPA* Wddll. 1. cit. p. 81. ☞ — Foliis oblongo-lanceolatis, utrinque acutis submembranaceis glabralis vel subtus in venis primariis pubescenii - pilosis, breviter petiolalis; dentibus cnlycinis ovato-acutis; stylo brovissimo; capsula lineari tereti. — *Cinchona stenocarpa* Lamb. Illustr. 13. — Crescit in Peruvia septentrionali.
4. C. *ACUTIFOLIA* Wddll. I. cit. pag. 81. f — Foliis ovato-lanceolatis acutis. basi ro- tundaiis, submembranaceis. supra glabris nitidis, subius ad venas pilosiusculis; den* tibis calycinis ovatis acutiusculis; capsula turbinata. . . . ? — *Ladenbergia acutifoli** Kltzsch. — Wlprs. 1. c. 68. no. 18. (cum synon.) — Crescit in Peruvia.
5. C. *RIVEROANA* Wddll. Ann. sc. nat. 1. c. 11. ft Hist. Quinqu. 82. f tab. 23. — Foli* oblongo-lanceolatis ovatisve. utrinque aculis vel basi magis minusve rotundatis, sub- coriaceis, supra puberulis. demum denudalis glabris. subtus magis minusve pubescenti- tomentosus; corolla extus pubescenii - pilosa; denlibus calycinis triangulari - ovalis; capsula lineari-lanceolata pubescent!. — *Cinchona oblongifolia* Lamb. Illustr. 12.

a. foliis ovato-lanceolatis; antheris stigma superantibus. — *Azaha macho*.

(J. foliis ovato-oblongis; sĥlo stnminibus inclusis longiore, stigmata exserlo. — *Azaha hembra*. — Crescit in Peruvia.

§. 2. *Carua* Wdċill. 1. c. 83.

Panicula multi- vel pauciflora. Corolla magis minusve coriacea, laciniis supra ex integro papillosis. Stipulae liberae vel saepius basi connatae.

Panicula multiflora.

6. C. HEXANDRA Wddll. 1. cit. p. 83. f— Foliis ovato-ellipticis oblusis, basi subcordatis, supra denique glabralis, subius lomeniosis; calyce irregulariter sexdentato; capsula crassissima oblongo-clavata tomentosa aut glabrata. — *Ladenbergia hexandra* Kltzsch. — Wlfrs. Repert. VI. 67. no. 3. (cum synon.) — Crescit in Brasilia.
7. C. RIEDELIANA Wddll. 1. cit. p. 84. f — Foliis ovato-oblongis oblusis, basi subcordatis attenuatisve, coriaceis, supra glabratis, subius tomeniosis; dentibus calycinis brevibus inaequalibus obtusiusculis; capsula oblonga - elliptica. apice denique nuda. — *Ladenbergia Riedeliana* Hltzsch. — Wlprs. 1. c. 68. no. 21. — Crescit in Brasilia.
8. G. HETEROPHYLLA Wddll. Ann. sc. nat. 1. c. 10. ft Hist. Quinqu. 81. f — Foliis rotundato - ovatis obtusis vel acutiusculis submembranaceis, junioribus plerumque imbecolatis, ulrinque glahratis nut subtus in venis oxillisque pilosiusculis: lobis calycis rotundato-ovatis obtusis; capsula longissima. — Crescit in Peruvia «t Nova Granala.
9. C. PAVONII Wddll. 1.1. c.c. 10. ft 85. f — Foliis ovatis orbiculatisve, utrinquo obtusis TCI saopius basi magis minusve cordatis. subcortaceis, supra glabratis, subtus lomeniosis; limbo cahcino amplo, obsolete deniicuiato; capsula longissima tereti. — *Ladenbergia cava* Kltzsch. — Wlprs. 1. c. 68. no. 19. (cum synon.) — Crescit in Loxa.
- *0. C. LAMBERTIANA Wddll. 1. cit. p. 85. f — Foliis ovato-lanceolatis lanceolatisve obtusiusculis, basi vulgo subcordatis subcoriaceis, supra glabris nitidis, subtus opacis et ad venas pilosiusculis; denlibus calycinis iriangulari-acutis; capsula cylindrical seminibus margine laceris. — *Ladenbergia Lambertiana* Kltzsch. — Wlprs. 1. c. 67. no. *0. — Crescit in Brasilia.

** *Panicula pauciflora.*

- ⁱ. G. G AUDICHAUDI AN A Wddll. 1.1. c. c.12. ft 86. t ~ Foliis ellipticis obtusis, basi paululum attenuatis, subcoriaceis, supra puberulis, demum glabralis, subius fusco-pubescentibus, breviter petiolalis; capsulis oblongis glabris, pedicellis petiolos subaequantibus. — Crescit in Brasilia.
- ^{1a}. C. CITRIFOLIA Wddll. 1. 1. c. c. 11. ft 86. f— ffoliis oblongis oblusis, basi attenuatis coriaceis glaberrimis; denlibus caljcinis iriangulari-lanceolalis: capsulia oblongo-lanceolatis vel davatis, glaberrimis. — *Ladenbergia Moritziana* Kltzseh. — Wlprs. I. c. 67. ⁿ< 5. (Klotzsch mss.) — Crescit in Venezuela.
- ¹³. C. CALYCINA Wddll. 1. I. c. c. 12. ft 87. + — Foliis ohlongo-vel rotundato-ovatis, utrinque oblusis subcoriaceis. supra glabris, subtus in axillis venarum ferrugineo-pilosiss; lobis calycinis rotundalis levlierque basi imbricatis. — Crescit in Nova Granata.
14. G. BULLATA Wddll. 1. 1. c. c 11. ft 87. f — F^ol^{is} oblongo - lanceolatis, utrinque acuiis subcoriaceis glabris. margine revolulis, interveniis supra bullato-converts; denlibus calycinis lanceolaiis; capsula lineari- oblonga. — Crescit in Peruvia.
- *⁵. C. UNDATA Wddll. I. cit. p. 88. f — Foliis ovalis ellipticis vel magis minusve rotundalis obtusis, basi subcordatis coriaceis. supra nilidissimis, interveniis bullato-convexis,

- subtus lomentoso-hirsutis, dentibus calycinis ovato-oblongis, plerumque obtusis — *Ladenbergia undata* Kltzsch — Wlprs I. c. 67. no. 1. — Crescit in Venezuela
- 16 C. CARUA Wddll. I. 1 c. c. 12. ft 88 f - Foliis oblongis acutis obtusisve. basi cordatis conacis, supra pubescentibus, demum glabris, sublus fenugineo-tomentosis, dentibus calycims triangulairibus, capsula oblongo-clavata tomentosa. — Crescit in Peiuvia et Bolivia
- 17 C. RORAIMAE Wddll I cit p 89 f - Folia ovata-elliptica, basi cuneatis crassis, supra glabris, subtus dense tomentosis, dentibus calycinis brevibus lanceolatis acutis, capsula. — *Ladenbergia Rujaimac* Kltzsch — Wlprs I. c. 67. no. 2. — Crescit in Guiana

S- 3 *Calyptna* Wddll. I. c. 89.

Pamcula pauciflora. Stipulae omnino concietae, calyptram fingentes.

- 18 C MACROCARPA Wddll. I cit p 89. f — folia ovato-elliptica vel lanceolata-obovata obtusis. basi vulgo subcordatis conacis, supra glabris, subtus vems hirsutis. internodiis pubescentibus vult omnino glabris, dentibus calycims brevissimis obtusiusculis, capsulis claviformibus glabris — *Ladenbergia macrocarpa* Kltzsch. — Wlprs Rept VI b7 no 4 - *Cinchona ovabifolia* Mulls. — Crescit in Nova Granata et Peruvia septentrionali.
- (X. tolus basi rotundatis subcordatisve.
p. Folia basi **attenuatis**.)
- 19 C. CALYPTRATA Wddll I I c. t. 13 a 90. f - Folia oblonga obtusiusculis, basi attenuatis subconacis, supra glabris, subtus puberulis, vems villosis. dentibus calycinis triangulano-lanceolatis. — *Cinchona calyptrata* Payson. — DC. Prodr. IV. 354. — Crescit in Peiuvia

S. 4. *Muzonia* Wddll. I. c. 90.

(Lores in apice ramulorum paniculae multiflorae subcapitatae. Stipulae hirsutae vel basi connatae)

- 20 C MUZONENSIS Wddll. I cit. p. 90 f — Folia ovata-vel elliptico-lanceolata acuminata, basi attenuata, submembranacea, utrinque glabra, costa levissime puberula, dentibus calycinis brevissimis obtusis, capsulis reclinatis subarcuatisve pubescenti-tomentosis — *Cinchona muzonensis* Goudot, Phil. Mag 1828 Febr p. 132. — *Henlea muzonensis* Kltzsch ft Karst mss. — *Henlea rotea* Kltzsch 8c Karst (ohm) — Crescit in Nova Granata.
- 21, C HOOKERIANA Wddll I. cit. p. 91. f tab 24. A. — Folia oblonga-lanceolata acuminata, basi attenuata conacis, utrinque demum glabra, junioribus subtus pubescenti-tomentosis, dentibus calycinis triangulano-acuminatis capsulis robustis arcuatis — Crescit in Nova Granata

3274/a. *Ladenbergia* Kltzsch.

(Wlprs Repeil VI. 66 [ex p] — Weddell, Flore naturelle des Quinquas 92)

Calyx tubo oblongo cum tubo connato, limbo supero brevissimo vel subcampanulato, demum deciduo, dentibus triangulano-lanceolatis. Corolla? Ovarium disco pulviniformi 8-lobato coronatum biloculare. Ovary plura in placenta teretibus dissepimento utrin-

que affixis pellatim inserla, anatropa. Capsula linearis leviter contorta teretiuscula bilocularis, polysperma, ab apice ad basin septicide dehiscens, valvis apice bifidis. Seraina minuta in placentis a dorso compressis dense ascendente imbricata, peltata, utrinque in alam angustam eporosam basi bifurcatam caeterum integram producta. Embryo in axi albuminis carnosus rectus, cotyledonibus ovatis, radícula infera.

* I. **DICHOTOMY** Wddll. 1. cit. p. 92. f. tab. 26. A. — Foliis oblongo-lanceolatis acuminatis, basi paulo alienatis membranaceis glabris.

a. *Klotzschiana*: limbo calycino brevissimo, dentibus triaoguluribus.

JJ. *cttycina*: limbo calycino campanulato, dentibus lanceoluii*. — Forsan specifice distinguenda. — *L. dichutama* Kltzsch. — Wlprs. 1. c. 67. no. 14. — Gre&cit in Permia.

3274/4. PIMENTELLA Weddell

(Weddell, Histoire naturelle des Quinquinas p. 94.)

Calyx tubo turbinato puberulo, cum ovario connate limbo supero brevi crateriformi persistente. denibus triangularibus. Corolla ____? **Ovarium** disco pulviniformi subintegro coronatum biloculare. Ovula...? **Capsula** lineari-oblonga brevis recta bilocularis polysperma, ab apice ad basin septicide dehiscens, valvis cymbaeformibus integris, postice jevjter arcuatis. Semina minima lineari-lanceolata, in placentis linearibus tereliusculis, disepimento utrinque affixis, sursum peltatim imbricata. Nucleo ovato, ala membraflacea eporosa margine subintegra cincto. Embryo in axi albuminis carnosus rectus, cotyledonibus ovatis, radícula infera.

1. P. **GLOMERATA** Wddll. 1. cit. p. 65. j. tab. 27. B. — Foliis ovato-oblongis leviter acuminatis, basi attenuatis, supra glabris, subtus in costa pilosiusculis; capsula parva-linearis-oblonga. — Crescit in roontium Carnbayae norooribus.

3274/4. GOKEPHOSIA Weddell

(Weddell, Ann. sc. natur. [3 St'r.] X. 14. & Histoire naturelle des Quinquinas 95.)

Calyx tubo turbinato cum ovario connato glabro, limbo supero 4-5-dentato immutato persistente, basi interiori glandulis minutis lanceolatis uniserialis, illis stipularum conformibus ornato, dentibus brevibus aequalibus. Corolla supera hypocateriformis glabra membranacea, tubo infundibuliformi, limbo 4-5-lobato, lobis rotundatis oblique emarginatis. aestivalione contortis placentibus leviter recurvis convexis. Stamina 4-5 subdidynama, corollae lobis alterna glabra exserta, filamentis tubo longe adnatis, apice incurvis, antherae suborbiculares, antherae affixae bilobae, loculis recurvis, connectivo latissimo dorsali instructis. Ovarium disco pulviniformi coronatum biloculare. (hula Pauca, placentis axilibus subcompressis, disepimento medio affixis insertis. anatropa ascendente peltata. Stylus filiformis glaber, stigma bifidum, lobis brevissimis. Capsula oblonga laevigata, utrinque sulcata, bilocularis obligosperma, ab apice ad basin septicide dehiscens, valvis integris. Semina in placentis a latere et dorso alternatim compressis peltatim affixa, vix imbricata, nucleo ala membranacea eporosa, margine

Integra vel magis minusve dentata cincto Embryo in albi albuminis
carnosi rectus, cotyledonibus subconlatis, radícula lorei infera.

* *Flores ichameit*

1 *G. GHILORANTHA* Wddll I cit p 96 f — Folus ovatis acuminatis. basi rotundatis
subconaceis, utunque gibbenimis dentibus cihcims quatuor tngulalibus suhacu-
minais capsula oblon^a. — Ciescit in Poiuvia

* • *Florts pcutameri*

2 *G. GOUDOTIANA* Wddll I cit p 97 f — Folus oblongo-lanceolatis acuminatis, basi
rotundatis subcordatis, submembranaceis, supra glabris, subtus in v^{is} praesertim
magis minusve villosis dentibus caljcinis 5 e basi anguste acuminatis, capsula lon-
ceolata — *Iadenbergia disnuthflma* Kltzsch — Wlprs Roperl VI 67 no 7 — Ciescit
in rsova Granata

3274/5 CHRYSOXYIiOBT *Wed del I* *)

(Weddell, Hist natur des Quinquinas 100)

Calyx tubo binato cum ovatio connato, limbo supero deciduo.
Corolla superior . ^f > 0\anum biloculare Ovula in placentis mem-
branaceis ellipticis, dissepimento medio affixis, margine exolutis pe-
l- (dtim mscrtia Capsula rotundata-tubulata, \ertice truncata nudⁱ ^Cl-
juculosa glabra, ab apice ad basin locuhude dehiscens, placentis simul
longitrorsum solutis, \ahis demum sepUcide bilidis. Semina pauca
compressa, ala membranacea margine denudata cmcta. — Arbor Bo-
hviae meridionalis: Jigno aureo, corthce amaro, folus oppositis mem-
branaceis petiolatis; • stipulis interpetiolatis inconspicuis; flonbus
paniculatis, pedunculis terminatis.

1 CII FEBRIFUGUM Wddll I cit p 100 — Folus elliptico-ovatis, utnque attenuatiff
aulis membranaceis supra puberulis glabratis, subtus tomentosus breviter petiolatis.
stipu^{is} minimis abrupte acuminatis, panicula fructifera glabrata. — Crescit passim in
nomonibus montosis subhumidis provinciae Boliviana Cordillera dicitur

3274/., EATDOIiASIA *Turcz.*

(Turcz Flora [Dot. Z] XXXI 711)

Calyx tubo turbinato cum ovatio connato, limbo quadrato. Corolla
lobata, tubo brevi, extus glaberrima, intus dense lanata, profunde qua-
tupartita, lacinis tubo longioribus. Stamina quatuor imo tubo im-
posita, filamentis filiformibus, antheris linearibus, medio affixis, bilocu-
lanibus, longitudinaliter dehiscens. 0\anum biloculare, loculis mul-
ticolatis, disco epigyno tectum. Stylus filiformis, stigma bilamellatum.
Capsula obovato-oblonga sicca bilobata bivalvis, septicide dehiscens,
seminibus numerosis placentae spongiosae peltatis affixis minutis ala
lacera cinctis. — J^{rulex}. lamis subvolubilibus, glaberrimis, folus oppositis
breviter petiolatis, lanceolatis vel ovalo-lanceolatis, angustatis, acuminatis
pennatis, stipulis diginatis tui. cahs, c\mis axillaribus breviter
pedunculatis, folus multo brevioribus; flonbus parvis albidis. — Gen^s

*) Nee Casaretto, cf. Wlprs. Repert V. p. 5bl.

Cinchonaceum prope *Voigtiam* Kl. ponendum, ovario corollaque extus glabris, sligmale bilamellato et forsā altfs notis ab illa diversum. Lana densissima tubum corollae et laciniū intus vcsliens e pilis seu lamellis complanalis linearifcus, basi niveis, superne sordide albis constat.

1. *E. FUNCKII Turcz. 1. c. — Crescit in Columbia.

.327%. **CROSSOPTERYX** Fenzl.

(Wlprs. Reperi. VI. 70.)

1. *CR. FEBRIFUGA Dntb. in Hook. Niger Flora 381. — *Ilondeleha febrifuga* Afzel. — Wlprs. Report. II. 506. no. 6.

Subtribus II. **NAUCLEACEAE** DC. 1. c. 343.

3280/., **STEPHEWYUTE** Krthls,

(Wlprs. Reperi. VI. 70.)

*. ST. AFRICANA Wlprs. Reperi. II. 513, VI. 71. no. 3. — Hook. Niger Flora. 380. t. tab. 37. — *Nauclea Africana* Willd. — DC. Prodr. HL. 345. — *Nauclea platanocarpa* Planch. — Wlprs. Annal. bot. I. 379. no. 3. — *Platanocarpum Africanum* Hook. fil. mas.

Tribus XIII. GARDENIEAE A. Rich. — DC. Prodr. IV. 367.

Subtribus I. **SABCOCEPHALEAE** DC. 1. c.

3283. **IUCIAMBIA** DC.

(DC. Prodr. IV. 368.)

- *. L. MONTANA Knhls. Nederlandsch kruidkundig Archief II. 167. - Foliis ovali-oblongis acuminatis, basi aculis; stipulis aculis; capitulis longe pedunculatis. - Crescit ad montem Pamaiton insulae Borneo.
- *. I. RHEEOH Knhls. 1. cit. p. 167. — Scandens fruticosa glabra* foliis obovalibus breviter acutis, basi cuneatis, supra nitidis; stipulis vaginatis truncatis; pedunculis terminalibus umbellatis; capitulis 3 — 6 - floris. — Crescit ad montem Pamaiton insulae Borneo.

Subtribus II. **EUGARDENIEAE** DC. I. c. 368.

3287/., (3244.) **JJBOOSTEIOIA** WO.

(Wlprs. Reperi. H. 514. VI. 72. ff. 701. Annal. I. 379.)

- *. A. PULCHRUM Knhls. Nederl. kruidk. Arch. H. 122. - Caule birsu: foliis oppositis, altero minore. alio obovali v. obovato mucronulato acuto. basi inaequali. subtus nervis hirsulis; stipulis ovatis, basi rotatis: pedunculis terminalibus paucis. — In insula Sumatra.
- *. A. PIGTUM KribJs. 1. c. — Caule pubescente; foliis oppositis, altero minore oblongo sessili, altero ovali acuto. basi inaequali attenuato, subtus in nervo mediano hirsuto; stipulis subrotatis; pedunculis terminalibus trinosis. - Sumatra.

3288. *HICTILFSIA Pers.*

(DC. Prodr. IV. 399. — Wlprs. Repert. II. 515. Annjil. I. 379.)

1. II. *MACROPHYLLA* Planchon in Van Houlte. Flore des serres V. p. 482. d. — *Glaberima*: foliis amplis (4—8 poll, longis) oblongis, acute cuspidatis, in petiolum brevem longe decurrenti-atenuatis, margine obsolete denticulato leviter crispis, membranaceis. utrinque viridibus, nitore roseo lucis lusu mutabile suffusis; stipulis brevibus triangularibus deciduis; cymis paucifloris contractis subglomeruliformibus axillaribus subsessilibus: pedicellis flore multo brevioribus; corollae glabrae viridi-lutescenti* laciniis oblongo-linearibus (6 lin. longis) lubuini fere duplo, calycein plus triplo, stamina tertia parte superantibus; stylo staminibus longiore. — Habitat in Guatemala.
2. H. (*CAMPYLOBOTRYS* Hook. Dot. Magaz. tab. 4530. — Van Houlte. Flore des serres V. Mb. 427.) *DISCOLOR* Planchon in Van Houtte 1. c. V. p. 482. d. — Suffrutex humilis: ramis oppositis approximatis terilibus pubescentibus; folia opposita aequalia ovata, plicata-penninervis integerrima, sparsim pilosa, supra atro-viridia, pulcherrime velutino-nilida, subtus pallide viridia, purpureo-rubro lincta, venis prominentibus; stipulae interpetiolares, e basi subulatae, evaginatae; pedunculi solitarii axillares rubri; flores racemosi secundi; racemis circinnulis; pedunculis brevissimis calycisque tubo viridibus glabris, limbi dentibus pilosis rubris; infra pedicellos glandulis bractealibus setisque lineatim transverse dispositis. Corollae subcarnosae rubrae. — Brasilia ad Bahiam.

3289. *PETUFOA DC.*

(DC. Prodr. IV. 398.)

1. *P. LANCEOLATA* Krthls. Nederlandsch kruidkund. Archief II. p. 171. — Foliis lanceolatis, utrinque acuminatis; spicis paucifloris; fructibus pyriformibus. — Crescit ad ripas fluminis Tidwe' in insula Borneo.
2. *P. DASYNEURA* Krthls. 1. cit. p. 173. — Foliis ovalis acuminatis, basi obtusiusculis, subtus in nervis fusco-pilosis; capitulis paucifloris bracteatis. — Crescit in sylvis Melintang insulae Sumatra.
3. *P. GRACILIS* Krthls. 1. cit. p. 173. — Foliis ovatis acuminatis, basi obtusiusculis; stipulis ovalis acuminatis; spicis gracilibus; fructibus oblongis; corollae tubo infundibuliformi. — Crescit ad montem Prarawin et ad ripas fluminis Banjermassing in insula Borneo.
4. *P. CONIOCARPA* Krthls. 1. cit. p. 173. — Foliis late ovatis, breviter acuminatis, basi attenuatis; spicis gracilibus; fructibus ovoideis, basi attenuatis; corollae tubo brevissimo. — Crescit prope Mariapoera in insula Borneo.

3293. *STYLOCORYATIB Cav.*(Wlprs. Repert. II. 516. & 943, Annal. I. 380. — DC. Prodr. IV. 377. — *Cupia* DC. 1. c. 393.)

1. *ST. CONFERTA* Benth. in Hooker. Niger Flora 389. f. — Foliis obovato-oblongis acuminatis, basi acutis. subtus ad venas ramulisque minute puberulis, caeterum glabris; corymbis terminalibus subsessilibus densis; calycis pubescentis limbo acute 5-dentato corollae lobis linearibus, tubo suo sublongioribus. — Crescit in Africa tropica occidentali (Nigeria.)

2. ST. NITIDULA Bath. 1. cit. 390. f - Ramis glaberrimis; toliit oblongis lonft Icuminotis, basi acalis, ad axillas venarum suhtus barbularis, caeterom glaberrimis; corymbis laxis terminalibus vel demum axillaribus; calycis glabri vel apice minute puberui limbo acute quinquentato; corollae lobis oblongo-tioearibus, tubo suo sublongioribus. — Crescit in Sierra Leone.
3. ST. GRANDIFLORA finth. I. cit. f — Glaberrima: foliis oblongis ellipticisve acuminatis, basi acutis; corymbis laxis terminalibus sessilibus; calycis glabri limbo truncato obsolete denial?. — Crescit in iosula Fernando Po.
4. ST. (CUPIA) SETIGERA KribJs. Nederlandsch kruidkundig. Archief II. p. 176. — Ramulis setigeris: foliis ovalibus acuminatis, basi attenuates, utrinque sublus praesertim in nervis hirsutis; floribus corymbosis; lobis calycinis oblongis, corollae spaihulais. — Crescit in sylvia momis Singalang insulae Sumatrae.
5. ST. HIRSUTA KrtbIs. 1. cit. p. 175. — Foliis ovalibus oblongis, utrinque acuminatis, supra subtusque hirsutis; slipulis lanceolatis acuminatis; corymbis terminalibus dense strigoso-lomentosis. — Crescit ad moment Papandayang insulae Javae.
6. ST. CORIACEA KrthIs. 1. cit. p. 175. — Foliis oblongo-ovalibus obtuse acuminatis, basi attenuatis; slipulis triangulanbus subulato-acuminatis; capitulis axiilaribus pauciflons. — Crescit in sylvis montis Sakoerabang insulae Borneo.

3294. POUCHETIA A. Rich.

(DC. Prodr. IT. 393.)

- * P. SAXIFRAGA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 355. — Raraulis puberius; foliis oppositis breviter peliolatis elliptico-oblongis acuminatis, basi subacuminatis. utrinque praesertim in nervis pubentibus; slipulis brevibus lads, longe acuminatis; floribus in atillis foliorum cymas breves pedunculatas ramosas tricbotomas pubentes, vix petiolo longiores eTormanibus; limbo calycino 5-dentalo; corollae subrotundae laciniis ovali-oblongis; a%beris oblongo - lanceolatis subsessilibus erectis; sligrae bipartito. lineis prominulis longitudinalibus notato; fructu ovoideo coriaceo oar^{so}, indebiscente pisiformi, dentibus calycis appressis coronato, 2-lecnlar¹, loeulis³ — 5-aperrais; seminibus oblongis e parte superiore dissepimenii pendulis. — *Galiniera coffeoides* Delile. — Wlprs, ReperU VI. 43. — *Plychostigma saxifragum* Hochsk. mss. — in Abyssinae prov. Semiene.
2. * P. AFRICANA DC. 1. c. 393. — Bnth. in Hook. Niger Flora 395. — *Wmdtmdia* virjola G. Don. - wiprs. Report. II. 505. no. 10.
3. * P. PARVIFLORA BnA. I cit. t - 'o' > « o^{vati8} wumiiatia; itla»s patlola »nb. 'oogforibua; floribus sessilibus in paniculis asHlafibus fewcuiatia. - Creact ta iniula - ... o Po.

3295. BENTHIA Aubl

(DC. Prodr. IV. 3. — Wlp»a. Repirt. n. 517. VI. 730)

- * B. POJATIDM B«Ui. in Hiltk Niger Flora 394. - *Ptmafam spicatwn* Grtnr. - DC. Prodr. IV. 391. — *Wenilandia ptlosa* G. Don. - Wlprs. Report. II. 505. no. 8.
- * B? »ACROGAHPA Bwh. 1. c. - We»dtondia *netmosa* G. Dom - WTprs. Report, II. ** no. 9.

3. B. LAXA Bnlh. 1. cit. 394. f — Rnmulis inflorescenliaque puborulis: foliis oblongis acuminatis, bnsi angusiatiss, supra glabris, subius minute puberulis; thyrsis laxis flexuosis; floribus secus ramos paucis sessilibus: demibus calycinis minimis; fruclibus puberulis obscure striatis. — Crescit in insula Fernando Po.

3296. **POMATIUM** *Grtnr. pi.*

(DC. Prodr. IV. 391. — Wlprs. Repert. II. 517) omnino delendum erit, nara:

- P. DUBIUM G. Don. (Wlprs. 1. c.) = RANDIA ACUMINATA Bnth.
P. SPICATUM Grtnr. fl. (DC. 1. c.) = BERTIERA POMATIUM Bnth.

3300/la **€JOMA»[ERA** *Krthls.*

(Krthls. NederJ. kruidk. Arch. II. 183.)

Calycis luhus cum ovario connatus elongatus subpentagonus, limbus, patens quinquepartitus, paries ovalae acutae. Corollae tubus brevis, limbus quinquepartitus, partes aestivatione valvala. Stamina 5 exserta, tubo corollae affixa, filamenla brevia, anthefta conniventes lineares acutae. Stigma elongato-clavatum, stylus teres glaber. Ovarium elongatum angulatum biloculare. Ovula numerosa, in placentis cylindricis laminae ope dissepiments affixis. Fructus baccatus bilocularis; semina numerosa minuta compressa. — Arbuscula: ramis teretibus. Folia opposita, longe petiolala cJlptica. Stipulae vaginantes. Flores axillares bracteati.

- i. *G. GLAUCA Krlhls. 1. c. — Crescit in montibus insulae Sumatra.

3302. **GRIFFITHIA** *Wght. y Am.*

(Wlprs. Report. II. 51J)

1. G. OXYGYNA Krthls. Nederl. kruidk. Arch. II. p. 178. — Foliis ovalibus acuminatis coriaceis; siipulis ovatis subulatis; floribus cymosis; -calycis limbo quirrquedentato. — Crescit in sylvis montis Meiintang insulae Sumatrac.
2. G. EUCAINHA Krlhls. 1. c. p. 178. — Foliis oblongo-ovatis, obtuse acuminatis, basi acutiusculis, subius in nervis pubescentibus; stipulis connatis subulalis, spinis recurvis; corymbis terminalibus; calycis limbo tubuloso riciduo, denlibus quinque subulatis; corollae tubo gracili. — Crescit prope Banjermassing insulae Borneo et in sylvis insulae Java.
3. G. ACUMINATA Krlhls. 1. c. p. 178. — Spinis recur vis; foliis ovatis acuminatis, basi acutis; stipulis triangularibus subulalis; inflorescentia corymbosa racemosa; dentibus calycinis acuminatis; lobis corollinis acutiusculis. — Crescit in monte Parawin insulae Borneo.

3304. **BAMJIA** *Roust.*

(DC. Prodr. IV. 384. — Wlprs. Repert. II. 518. VI. 73.)

I. *Bothmannia* Bnth. in Hook. Niger Flora 382. Corolla longe' tubuloso - infundibuliformis.

1. R. STANLEYANA Hook. — Both, in Hooker. Niger Flora p. 383. f — Folia* subcoriaceis nitidis glaberrimis; calycis laciniis subulatis strictis tubo suo multo

- breuonbus corollae subglabrae vel vix puberulae tubo longissimo — *Gardenia Stanleyana* Hook Dot Mag t 4185 — Wlprs Repeit VI 74 no 3 fit 702 — Crescit in Sierra Leone
- 2 R MALLEIFLORA Hook 1 c 384 — Folns conaceis submtidis glabernmis, cahcis)acimi< subulalis sLnctis, tubo suo longionbus coiolla cxtus denj>e tomenlosa — *Gaidenia malleifua* Hook 1 c tab 4307 — Wlpis Annal I 380 no 2 — *Gardenia H hitlietdu* Lmtll Bot Regist 1845 t 47 — Wlprs Repeit VI 74 no 4 — Crescit in Sierra Leone
- 3 R BOWIEANA Bnth 1 c 384 f — ^{Fo11is} membranaceis, noveljis hirtellis, demum glabiatis, calycis limbi quinquepartiti JacinHs lineanbus subdilataiis patentibus, coiolla glabra. — *Gardenia lonyifloia* Ail — *Randia Umgifloia* Sdlisb. — *Gaidtma macrantha* R fit Sen — *Handia liowieana* Hook — *Randia maaantha* DC 1 c 388 — *Gaidenia longtfolia* G Don — Grescit m Sierra Leone

II *Certsus* Bnth 1 c 383 — Calycis lacinns saepe foliaceis non basin usque diuisis, corollae ciassae tubo brevi, lacinus limbi latis obtusis saepeque undulatis.

- 4 R SHERBOURNIAE Hook — Bnth in Hooker, Niger Flora p 385 f — Wlprs Repeit. VI 74 no 2 — Paxton. Mag of bot XVI 195 (c ic) — Volubilis folns glabrils conaceis pedicellis solitams axillanbus petiolo bievionbus bractealis umflons calycis lobis late cuneatis foliaceis obtusissimis corolla infundibuliformi - campanulata calyce duplo longiore stylo siaminibusque inclusis — Grescit in Siena Leone.
- 5 R DONIAISA Bnth 1 c p 385 f ~ Subscandens? folns glabns conaceis pedicellis axillanbus solitams peliolo brevionbus biacteaiis umflons, calycis lobis late oblongis cuneausve foliaceis aculiusculis corolla mfundibuliformi-campanulata calycem bieviter superante stylo siaminibusque inclusis - *Gaidenia calycma* G Don — Wlprs Reopen II 519 no 1 — Crescit in Sierra Leone

HI *Gempantha* Bnth 1 c — Calyx tubulosus v. campanulatus brewer dentatus, corollae tubus cylmdncus, calyce duplo longior, lacinus limbi acutis.

- 6 R ACDMINATA Bnlb in Hookei. Niger Flora p. 385 f - Glabra foliis subsessilibus longe cuneato-oblongis acummalis coijmbis axillanbus breviler pedunculatis calycis limbo tubuloso minute dentito corollae tubo cjilindnco bievi, lobis acutis — *Gaide-
«w acummata* G Don — Wlprs Repeit II 519 no 3 — *Pomatium dubmm* G. Don. — Wlprs Repeit II 517 no 1 — Ciescit in Sieira Leone, ad Nun River ^
- 7 R RETICULATA Bnth 1 c 386 f — Folns ovali-oblongis acummalis, intei venas tiansversim reliculatis flonbus axillanbus breviler pedicellaus fasciculatis. bracteolis 'n cupulam connatis calycia limbo tubuloso breviter dentato. — Crescil m Sierra Leone et in Senegambia
- 8 R CORIACEA Bnth 1 c 387 f - GlabYa. folns ovatfs oblongisve brevissime acuminans crasso - conaceis vix vcnos.s flonbus axillaribus conrerlis sessilibus* bracteohs m cupulam connatis caljcis limbo cupulato vix deniaio - Crescit Grand Bassa

IV *Oxyceras* Bnth. 1 c 387. — Calycis lacinus longis angustis, Plerumque profunde diuisis, coiollae tubo gracili cyhndnco, lacinus 'calycinis parum longiore

V. *huchnta* Bnth 1 c — Calycis laciniae breves basin usque non divisae, corollae tubus lacinus calycis multo longior, infra lacimas

3304*. DISCOSPICKRIUK *Dalzell.*

(Dalzell in Hook Kew gard misc II. 257)

Calyx parvus, tubo tubinatio brevi cum ovano connato, limbo profunde 4-lobo, lobis rotundatis. Corolla breviter hypociatenformis, tubo cylindrico, fauce pubescente, Jimbi lobis 4 obtusis, aestivatione imbricatis, sub anthesi revoluitis, tubum aequantibus. Stamina 4, fauci corollae inserta exserta, filamentis brevissimis. Ovarium inferum biloculare, ovula in loculis 4—5 Stylus breviter crassiusculus, ad medium bifidus, ramis divaricatis acuminatis. Fructus globosus vel obovatus laevis conaceus induriscens, apice calycis limbo coronatus, umbilicatus, vel infra apicem calycis basi circulari coronatus. Semina in placenta linearibus dissepimento utrinque adnatis inserta, compresso-lenticulari, verticali, septis membranaceis vel anellis lamellatis verticalibus distincta. Embryo in albuminis cartilagineo rectus, radicle cylindrica infera Testa hirsuta — Arborescens mediocres ramis strictis compositis, cortice pallido, foliis oppositis ellipticis conatis glabris petiolatis integris, in axillis venarum primariarum glandulis ciliatis pilosis praeditis, stipulis interpetiolaribus sordidatis truncatis cuspidatis persistentibus, foliis in axillis oppositis sessilibus glomeratis parvis, alabastro gemmisque resinosis. Fructus diameter subpollicaris, foetidus.

- 1 D. SPHAEROCARPUM Dalzell 1 c — Fructibus calycis limbo coronatis — Crescit in montibus Syhadie in India orientali
- 2 D. APIOCARPUM Dalzell I. c. — Fructibus infra apicem calycis basi circulari notatis. — Crescit in montibus Syhadie in India orientali

3305. OALRDEHFTI* *Ellis*

(DC Prodr IV 379 — Wlprs Repeit II 519 ff 944 VI 73 ff 702, Annal 380)

- 1 * G. VOGELII Hook fil. — Wlprs. Annal bot I 380. no 2 - Hook Niger Flora 381. f tab. 38
- 2 G DAPHNOIDES Hance. Plant nov Ausiro-Clunens diagn inedit I p 1 — Inermis fruticosa glabra erecta a ramis strictis, foliis breviter ellipticis lucidis, apice obtusiusculis, stipulis intra petiolos connatis, foliis subsessilibus axillaribus densissime confertis calycis tubo non costato, limbo obsolete 4-dentato subtruncato, corolla infundibulari, fauce villosa lobis 4 oblongis obtusis tubo parvis longioribus; staminibus exsertorum filamentis brevissimis sub anthesi accrescentibus stylo incluso, stigmate bilamellato — Hdb. in Hongkong — Frutex argentea Foliae glaberrimae
- 3 G RESIMFERA Krthls Nederlandch kiudkundig Archief II p 191 — Arborescens resinosa foliis obovatis acutiusculis, subtus pubescentibus, foliis terminalibus solitariis, drupa rotundata, calycis tubo cylindrico subterminali coronata, drupae putamine 5-valvi — Crescit prope Poeloe-Lampe, ad montem Pamatton insulae Borneo.
- 4 G GRANDIS Krthls 1 cit — Inermis arborescens foliis obovatis acutiusculis, basi cuneatis, supra sparsim, subtus in nervis venisque densius pilosis, foliis axillaribus bracteatis, pedunculis bifloris — Crescit ad montem Sakoembang insulae Borneo
- 5 G ACUMINATA Krthls 1 cit p 192 — Arborea inermis gemmis resinosis, foliis ellipticis obtuse acuminatissimis, basi attenuatis, in axillis venarum barbatis foliis axillaribus, tubo calycis brevi, lobis linearibus acuminatissimis, bacca globose. ~* Crescit ad n. p. Banjermassing et prope Maiapoera insulae Borneo.

6. *G. RACEMULOSA* Krthls. 1. cil. — Frutescens inermis: foliis ovatis acuminatis basi acutis, sublus praesertim in nervis pubescentibus; floribus axillaribus fasciculatis vel solitariis; lobis calycis hirsuti subulatis; stylo longissimo. — Crescit in ripis fluminis Banjermassing insulae Borneo.

3307. OXYASTHUS DC.

(DC. Prodr. IV. 376. — Wlprs. Repert. VI. 76 ft 702. Annal. I. 380.)

1. *O. NATALENSIS* Sonder, Linnaea XXIII. 50. f — Ramulis, foliis calycibusque glaberrimis; foliis breve petiolalis elliptico-oblongis vel ovato-lanceolalis acuminatis integerrimis; stipulis ovatis acuminatis petiolo subtriplo longioribus; racemis axillaribus corymbosis folio brevioribus; calycis dentibus subulatis - acuminatis tubo brevioribus; corollae tubo tenui foliis dimidio brevioribus; ovario biloculari, loculis polyspermis; stylo exserto, stigmate clavato. — *Megacarpa pyriformis* Hochst. mss. — *Ixora Caffra* Sond. mss. — Port Natal.
2. **O. FORMOSUS* Hook. Bl. — Wlprs. Ann. bot. I. 380. no. 1. — Benth. in Hook. Niger Flora 387. f tab. 40. 41.
3. *O. THONNINGH* Benth. 1. c. 388. f — Pubescens: foliis oblongis, basi valde obliquis truncatis; racemis brevibus plurifloris; calycis dentibus acuminatis. — *Ucriana racemosa* Schum. ft Thonn. — Crescit in Guinea.
- * *O. BREYIFLORUS* Benth. 1. oil. 388. f — Glaberrimus: ramis ad nodos compressis; foliis amplis oblongis, basi obliquis, corymbis multifloris; calycis dentibus brevissimis obsolete; corollae tubo brevi. — Crescit in insula Fernando Po.

3308. POSOQUERIA Aubl. >

(DC. Prodr. IV. 375. — Wlprs. Repert. II. 520. VI. 76.)

- * *P. (STANNIA)* Wlprs. ft Duchass. Linnaea XXIII. 755. f) PANAMENSIS Wlprs. mss. — Foliis brevissime petiolatis, late ovatis v. ovato-ellipticis acutis, basi brevissime attenuatis, margine revolutis glaberrimis, supra nitidis, subtus pallidioribus; stipulis petiolo acquantibus triangulari-ovatis acutis, foliaceis, supremis brevissimis triangularibus; corymbo terminali multifloro; floribus ebracteatis; calyce obtuse quinque-denticulato; corollae tubo fere quinquepollicari recto; laciniis limbi ellipticis, obtusiusculis, margine undulatis, duabus paulo longioribus; baccis coriaceis bilocularibus polyspermis. — Differt a *St. formosa* Karst. floribus ebracteatis. corollae laciniis inaequalibus ellipticis nec late ovalis baccisque bilocularibus; a *St. spectabili* Klotisch

*) Quibus notis *Stannia* a *Posoqueria* distinguatur, non intelligitur, nam baccam semper bilocularem nec unquam unilocularem vidi. - Characteres *Stanniae* hic addidi: ¹an lubo obovato, cum ovario connato. limbo superobrevi quinquefido persistente. ²oroia supra infundibuliformis, tubo tereti recto longissimo, auperne quinquecalloso. ³laciniis limbis oppositis furfuraceis. fauce vix dilatata subbarbata. limbo quinquepartito. laciniis patentibus obtusis subaequalibus. Stamina quinque corollae tubo sub apice inserta, filamenta filiformia inaequilonga. superiora recta, duo inferiora duplo longiora incurvata; antherae oblongae acutae. supra basin affixae, biloculares, nunc duabus longitudoinaliter introrse debiscentes, anti-unthesin facie interiore cohaerentes. demum liberatae et reclinatae. Ovarium inferum biloculare, disco epigyno carnosio, ovula plurima in pericarpio hemisphaericis. dissepimenti medio ulnquo affixis undique inserta hemiantherata; stylus filiformis inclusus; stigma bifidum. Baccam unilocularem corticata exsuccasuberosa, calycis limbo excrescente coronata et disci ope umbonata. Semina plurimamamulaia, placentae rudimento apicali adnata. Embryo in axi albuminis carilagineo circumscissus, cotyledonibus applicatis, radícula tereti vaga.

recedit corollae tubo brevior et limbi lacinnis ellipticis nee Inncolato - linearibus. — Panama

- 2 P (STANMA Karst Auswahl neuer u. schonbl. Geuathse Hft II 27 f. lab 9) FORMOSA Planchon in Van Houtte, Floie des serres VI 169 tab 57 ft p 228 (c. IC xylogr) — Paxt fit Lindl. Flow gaid 1 185 fl. H4 — Arbusculum (sic) 15—20-pedale Caracasannm folns opposite* petiolatu conaceis ovnlibus, stipulis interpetiolanbus ohlongo-linangulalibus, integns, apice rotundalis, deinum deculis infloiecentiis teirainalibus cymosis pedunculis pedicellisq. biacteis oppoMtis lineari-triangularibus acuminatis adnatis flonbus albis ereclis longissimis spcciosis suaveolentibus — Crescit propo Caracas m montibus alt 5 — 6000 ped

3310 OTFOPACIYS *Blume.*

(DC Prodi IV 374)

1. G. AONORMIS Krthls. rseerlandisch kruidkundig Archief II 182 — Folns petiolatis late ovalibus, breviter et obtuse acuminatis, basi cuneatis stipulis triangularibus ncutis, fructibus subsolitams axillanbus — frescii in sylvis prope Poeloe-Lampe insulae Borneo
2. G. ATTEMIATA Krthls 1 cit p 182 — Folns petiolatis ellipticis acuminatis, basi acutib, stipulis acuminatis, corymbis diancatis — (rescit in sylvis montis Singalang msulao Sumatia

3313. MUSSAEHTDA *Linn.*

(DC. Prodr IV 370 — Wlprs. Repert II 521 VI. 76.)

1. M. ELEGANS Schum ft Thonn — DC I c 372 *- Bnth in Hook Niger Flora 393. — *Bertiera coccinea* G Don — Wlprs. Report II. 517 no 1
2. M. GRANDIFLORA Bnth 1 c 392 + — (Abortu dioica?), ferrugineo-villosa folns brevissime petiolatis ovatis oblongisve acuminatis, basi obius^, cjmis (masculis?) confertis corjmbosis, calycis lacinnis maximis ovilo-oblongis acuminatis foliaceis lubo (masculo?) pluries longionbus. eitjma bractcaeformi inixima villo^a coiolla villosissima. — Crescit in Siena Leone
3. M. TEMJIFLORA Bnth 1 cit f — Aboilu dioica, scabio-hntella folns petiolntis oblongo-ellipticis, basi acutis, c^mis mulunons, masculis plunbus pedunculatis, foeniineis paucioiibub, calveis lacinnis <«bu ui» tubo sublongionbus corolla caljee pluries longiore unui, cxius villo^a. fiuciu oblongo villoso ecosiaio, cdljcis latinus coronato — Ciescit in insula Fernando Po in Intoie.

t Iconeti nndendae.

M. MACROPIHLLA Wall — (DC Pifti IV 371 no 13) - Lindl. Journ of the hort. soc III 248 (c it) — ^an Houtte, Floie des senes V p 502 d (c ic)

3314A PEMTTAGOIVIA *Bnth.*

(Bnth. in Bot. of the Sulphur p 105 t 39 — Wlprs Repert. bot VI p. 61 — Seem. « Hook. Kew gaiden nusc. 1. 187)

Calyx lubo tuil)inalo vel tnbuloso, cum o\ano connato, limbi supen 5—6-tidi lobis peisistentibus Coiolla supeja, Infundibuliformis vel tubulosa, tubo teieti, limbo calycino longioie, c\tus glabio vel pilosius-

culo, inlus tomentoso vel pubescente, limbi 5- vel 6-fidi laciniis ovatis, acutis, aeslivatione valvatis. Stamina 5 vel 6_f infra medium lubi in-serla inclusa, filamcna filiformia; antherae lineares. Discus opigynus cupuliformis. Ovarium inferum biloculare. Ovula plurima. Fructus bacca, calycis limbo coronata, corlicata, pulposa. Semina plurima, angulata. — Arbusculae Americae tropicae, inermes robustae: ramis ramulisque erases, obtuse tetrngonis; foliis oppositis, peliolatis nudis, alatis vel auriculatis, integerrimis vel *pinnatifldis!* supra glabris, subtus pubescentibus; stipulis utrinque solitarias, lanceoJatis, acuminatis; flori-bus bracteatis, bracteis ovatis, obtusis; cory/nbis axillaribus, brevissime pedunculalis, multifloris, confertis; calycibus coloratis vel viridibus; corollis rubris vel viridescensibus.

1. P. MACROPHYLLA Bnth. in Dot. of the voyage of H. M. S. Sulphur pag. 105. tab. 39. — Wlprs. 1. c. no. 1. — Pentamera: foliis integerrimis, peliolis nudis; calyce turbinato: corolla infundibuliformi. — In palmetis Panamensibus.
2. P. TINAJITA Seem, in Hook. Kew garden misc. I. p. 187. — Seem, in: Die VoJksnamen der Amer. PflaTiz p. 46. — Nom. vernacul. *Tinajita*. — Pentamera; foliis pinnatifldis in petiolum alatum decurrenlibus; calyce turbinato; corolla infundibuliformi. — In provincia Veraguns Novae Granatae.
3. P. PINNAT/FIDA Seem. mss. in Hook. London Journ. of Bot. VII. p. 566. tab. 18. — Pentamera vel hexamera; foliis pinnatifldis, petiblis basi nunculaiis; calyce tubuloso; corolla tubulosa. — In provincia Darien Novae Granatae.

f *Genus dubiae affinitatis.*

HIOL-OPAJV THERA *Turczan.*

(Turczan. Flora [ff. Z.] XXXI. 712.)

Calycis lubus globosus, cum ovario connatus, limbus 4—5-denlatus. Corolla rotala, tubo brevissimo, calyce incluso, limbo 4—5-lobo, lobis¹ nearibus contortis. Stamina 5 exserla, filamenUs cornplanatis, basi latioribus, tubo affixis, anlheris oblongis filamenta aequantibus, puberu-|!?. snpera basin affixis, basi indivisis, introrsis bilocularibus, longitu-[^]naliter dehiscentibus, connectivo angusto, glandula callosa terminato lunde nomen). Ovarium biloculare, locuJis pluriovulatis. Stylus brevis, ^aPJce bilamellatus. Fruclus...? — Genus' *Rubiaceum*, quoad tribum in-^{Ce}Hum, sed ab omnibus polyspermis cli[^]racteribus datis (satis?) distin-[^]m. Arbor seu frutex: ramis 4eretibus foliisque opposilis breviter P.^e»ola(is oblongo-lanceolatis, utrinque acufis, penninerviis nitidis S'abris. Stipulae interpetiolares latae acuminatae, acumine cito deciduo, [^]Ifis pubescentes. Paniculae axillares et terminales ramosissimae, ^rJjachi, pedunculis, bracteis calycibusque tomentosis; floribus in sicco ^a'bis; connectivo rubro.

* M. PANICULATA Turczan. 1. c. — Crescit in Bahía.

Ordo CXI. VALERIANEAE DC.

(DC. Prodr. IV. 623. — Wlprs. Repert. II. 526. ft 944. VI. 79, Annal. I. 381. ft 986.)

2181. VALERIAHELIA *Much.*

(DC. Prodr. IV. 625. — Wlprs. Repert. II. 526. VI. 79.)

1. V. (*Psilocoelae*) SOYERI Buchinger ms9. in Boiss. Dingn. plant, orient, nov. X. p. 74. f — Annuā globra a basi ramosissima: foliis inferioribus oblongo-spathulatis in petiolū attenuatis, superioribus sessilibus oblongo-lanceolatis inferne lobulatis; ramis fructiferis subincrassatis fistulosis; floribus in fasciculos corymbosos capituliformes minus depse congestis; bracteis oblongo-linearibus integris; fructibus dichotomularum persisientibus, abortu unilocularibus angustissime lineari-cylindricis. dente subulato recto apice subuncinato denticulisque binis caeteris (omnibus coronariis; fructibus capitulorum maturis deciduis ovato-oblongis subinflatis subincurvis. dorso irregulariter sulcatis trilocularibus, loculo fertili angusto, sterillum altero loculo fertili aequilato, altero duplo latiori, dentibus terminalibus term's, 2 minimis caltiformibus saepe fere obsoleteis. tertio subulato brevi fructus curvaturam spectanti subincurvo. — Crescit in montosis totius Graeciae, in Hymetto et Pentelico, et in monte Lassiti insulae Getae.
2. V. DIPLOSODON Boiss. 1. c. f — Annuā scabriuscula nana fere a basi ramosa: ramis brevissimis; cymis confertis; foliis oblongis linearibusque obtusis integris; bracteis linearibus; fructu glaucescente parce glanduloso-puberulo lineari, dorso convexo uninervi, facie sulcata, loculis binis sterilibus filiformibus angustissimis, basi in alas binas rotundatas dilatatis; corona campanulata obliqua, fructu duplo latiori tridentata, dente intermedio brevissimo transverse latiori reticulato-nervoso argute denticulari, lateralibus horizontaliter subrecurvis, altero fructu longiori lineari a medio acute denticulato. altero dimidio breviori. — Crescit ad radices orientales Antilibani inter Rascheyā et Damascus in siccis.
3. V. DACTYLOPHYLLA Boiss. ft Hohen. 1. c. 75: f — Annuā glabra: caule magis minusve elato, superne pluries dichotomo; ramis diparicis, ramulis fructiferis non incrassatis; floribus in capitula terminalia parva congestis; foliis radicalibus integris oblongo-linearibus obtusis, caulinis subdigitalis, laciniis integris linearibus. lateralibus angustis, intermedia 2—3-plo longiori latiorique; bracteis lineari-subulatis hispidulis carinatis; fructu pyramidato-ovalo puberulo. amice profunde sulcato, dorso convexo, corona regulariter 6—7-dentata erecto rpatula, demibus triangularibus reticulato-nervosis in aristas patulas uncinatas attenuatis, loculis sterilibus cylindricis, loculo fertili complanato duplo latiori, sectione transverse elliptico-linearī. — Crescit in lapidosis montis Elbrus, ad radices Antilibani.

f Icon addenda.

- V. (FEDIA Torr. ft Gr.) FAGOPYRUM Wlprs. Repert. JJ, 527. no. 13. - Torr. Fl. of New York I. 319. tab. 46.

2183. *FEDIA* Much.

(DC Piodi IV 630 — Wlprs Repent II 528 & 944)

- ¹ F *STENOCARPA* Engelm mss ex A. Gray. Bost Jouin of not hist. VI 216 — Fructu glabro anguste oblongo, loculis stenilibus priallelis. seraine mullo minonbus, caeicra *F radiatae*, sed fruclu *mmore* — Forte rectius ad *Valcitanellam* referenda? — Gie&ct in repubhea Texensi
- ² F *AMARELLA* Lindheim mss ex A Graj I c 217 odn — Glabcinma erecta, veisus apjeera dicbotomo-cymosa folns inferioribus spnthulatis, basi longe attenuate, supcnoribus oblongo-Imeaiibus scssilibus vel basi subcordatis, omnibus inlegns obtusis, fructibus minimis subgloboso-ovatis obtuse aunculaus hispidis, loculis stenilibus fertih subgloboso mullo angustionbus bievionbusque paene obliteiatis — Cresclt in repubhea Texensi

2185. *CE1VTRAXTHUS* DC.

(DC Prodr IV. 631 — Wlprs Repert VI 80, Annal I 381)

- ¹ C *ELATUS* Doiss fib Heidi Diagnos plant onnt. nov X p 73 f — Perennis glaberrimus caulibus numcrosis ehtis t icpc glauco-caesus crassis tneris valde flslulosis folioois, mfeme lamosis simplicibusve folns lalis oblongisve acutis, inflmis in peliolom aitenualis, caetens sessilibus, suprcuus ad basin lamorum floralium a basi lotion oblongo-lancoolatis attcnualo-subacumuiatis rain is oppositis dissitis abbieviatis dicholomis cymifens pamculam longisMimm angustam laxan* foimautibus, cjmis deasius-cuhs biacteis lineanbus puberulis calcaie lubo subbreuion, ovano triplo longioie, genitalibus limbo duplo longioribus — 6 *lomjifoi us* var *latifolia* Hheldr — Crescil in declivibus lapidosis Anatoliae in Pisidia ad lacum Egndu , in iota regione mfeuori Antihbani et in Tauro Ciliciae
- [^] c *JUNCEUS* Boiss 8. Hheldr I c f- Perennis rhizomate suffTrutescenti muHlcnuhi, caulibus tenuibus virgins ugidis junceis, inferne divancalim ramosis oligophjllis, f°lii8 indmis lincan-spathulaiis obiusi^, caetens deflexis angustissime lineanbus acu-Uusculis, flonbus in cyraas paucifloras fasciculi formes ad apicem ramorum tenuium nudorum sitis, bracteis- oblongo - lineanbus brevisnnis, calcare tuho coyllae sub-^aequilongo ovauo quadiuplo longion, genitalibus limbo duplo longioribus — *C Ion-Qifloius* var *angustifolia* PI Tayg — Crescit ad rupes Kakochoin dictas in regione summa Taygcti

2186 *VAJiERIA*BfA Neck.

(DC Prodr. IV 632 - Wlprs Repert. II 528 ft 944 VI 80. Annal I 381)

- ¹ v *MIKANIAE* Lindl Journ of the hortie soc III 316 adn ') — Scandens glabra caule tereii, folns cordalis, apice tuangularibus acuininalis, bnsi dentatis, nunc coidato-ovatis dentatis, flonbus paniculalis minutissimis — Habitat in Guatemala

*) Huic non dissimilis videtur *V phaseoh* A Braun, Ind semin m hort Berol. 1851 collect p. 113[^] q¹1¹aeab^{bb} omni[^]p iJiquis Valenaneis eximie dmerie dicitur folns tnlo-
1101¹ atis, rec*¹triseeus¹ WW

2. V. OLIGANTFIA Boiss. fit. IlekSr. Diagnos. plant. orient. nov. X. p. 72. f — Perennis gbbriuscula: radice surculos tenues nudos, apice foliosos saepe edenii; foliis tencris ad collum congestis, inflmis pnucis parvis ovato-rotundis integris longe petiolatis, caeteris pinnalipartiti.s, segmentis lnteralibus 2, rarius 4 ovatis subpetiolalis, terminal! triplo majori petiolulato ovato - rotundo; caulibus scapiformibus tenuibus, superne pnrcc cl subdicbotome ramosis, medium versus ferentibus folia opposita-minima indivisa vel pinnatiparlita, laciniis liq/jaribus; cymis valde paucifloris bifldis, corymboso-capitatis terminalibus; bracteis oblongo-linearibus, margine sub lente cilialulis; floribus roseis. — Crescit in regione alpina montis Siavros Pisidiae in iimbrosis ad saxa alt. 6 — 7000 pcd.
3. V. REGNELLII Sonder, Linnaea XXII. 573. + — Glabra: caule herbaceo erecto simplici subflexuoso, inferne foliato; foliis radicalibus ovatis subcordatisve acutis, remote dentatis, caulinis iriseclis, lobo superiore maximo ovato subacuminato dontato. lateralibus mullo minoribus angustioribusque; panícula laxa, ramis dichotomis, bractea lineari obtusa fultis; staminibus inclusis; fructibus ovatis compressis pilosis. — Habitu et foliorum forma *V. laxiflorae* Pocpp. simillima.

f loon addenda.

- V. SYLVATICA Bnks. — Torr. Flor. of New York I. 318. i. 45.

Ordo CXII. DIPSACEAE *Juss.*

(DC. Prodr. IV. 643. — Wlprs. Rept. II. 532. VI. 84. ft 702. Annal. I. 382.)

2191. HIPSACUS *Tournef.*

(DC. Prodr. IV. 645. — Wlprs. Rept. II. 532. Annal. I. 382.)

1. D. APPENDICULATUS Steudel mss. ex A. Rich. Tenl. fl. Abyss. I. 367. — Caul« 3—5-pedali erecto glabro; ramis anpulatis aculeatis, aculeis supremis in pilum desinentibus elongalis; foliis oppositis connatis ovali - lanceolatis acuminatis dentatis. stperne pilosis, sublus in nervis subaculeaiis; capitulis globosis; involucri squamis lanceolatis reflexis acutis, margine subaculeato - ciliatis pubentibus; receptacuji paleJs lineari-lanceolatis acutissimis. margine ciliatis, flores aequantibus, externe setosis. -" In Abyssiniae prov. Semieoe.
2. D. PLNNATIFIDUS Steudel mss. ex A. Rich. 1. c. -- Caule erecto 3 — 5-pedali tereff subangulato aculeato, aculeis'supremis in pilos desinentibus; foliis inferioribus Ion-gissime petiolatis elliptico-oblongis acutis, margine crenato - deniatis aut acute dentatis, utrinque pubentibus, subtus in nervis subpiloso-aculeatis; foliis caulinis sessilibus. basi lobulo laterali utrinque auctis, vix connatis, acutissimis; capituli sphaerici folioli« involucrialibus lanceolatis acutis, margine ciliatis pilosis; squamis receptaculi obloa* r gis v. obovalibus, apice abrupte et longe acuminatis ciliatis rigidis pilosis. — In **Aby*** siniae provinces Ouodgerate & Semiene. ^{^*}

2192. CEPHALARIA *Schrad.*

(DC. Prodr. IV. 647. - Wlprs. Repert. II. 532. VI. 84.)

- 1- C. BAETICA Doiss. Voy. bot. App. p. 738. f — Perennis, tota pilis e tuberculo ortis paucis vel ascedentibus rigidis scabra: caulibus oreolis striatis parce ramosis; foliis radicalibus inflexis oblongis, basi attenuatis dentatis integris vel trilobis, lobis lateralibus minoribus, caeteris caulinisque pinnatifidis, laciniis oblongo-lanceolatis linearibusve subfalcatis, basi externa saepe decurrentibus inlegris vel dentatis, terminali longiori saepeque latiori; capitulis globosis longe pedunculatis; involucri squamis parvis subrotundis cucullatis brevissimo velutinis, paleis oblongis cucullatis oblusis corollae brevibus; corolla (lava exius velutina; involucello sericeo quadrangulato, membrana profunde dentato-lacera eo quadruplo breviori coronato. — *C. leucantha* (J. Scabra) Boiss. — In Hispania meridionali.
- 2- C. AGAULIS Steudel mss. ex A. Rich. Tent. fl. Abyss. I. 368.— Pumila: radice crassa perenni; foliis radicalibus oblongis, basi angustatis subpetiolaribus amplexicaulis, apice subobtusis crenatis aut inciso-lobatis, superne glabris, subtus in nervo medio et margine pilosis; scapo simplici monocephalo. 3—4 uncias alto tereti piloso; involucri paleis 8 oblongis inlegris, apice apiculatis, margine ciliatis; corollae lobis 4 inaequalibus obtusis, tubo sericeo; involucello 4-oluto, apice 4-lobato, lobis acutis. — In Abyssinia monte Bouahit.
- 3- C. KOTSCHYI Boiss. & Hohen. Diagnos. plant. orient. nov. X. p. 76. f — Caule modice elato valde striato, sub lente brevissime et dense pilis patulis puberulo. superne parce ramoso; foliis puberulis lyrato-pinnatifidis, inflexis petiolo piano suffultis, caeteris sessilibus, segmentis lateralibus utrinque 2—4 parvis oblongo-linearibus, a superioribus ad inferius sensim decrescentibus denticulatis integrisve, superiori multoties majoribus oblongo argute denticulatis, omnibus acutis subacuminatis, basi anguste secus costam decurrentibus; capitulis paucis terminalibus longiuscule pedunculatis mediocribus globosis; involucri phyllis paleisque corollae subaequantibus ovatis brevissime attenuato-acuminatis adpresse hirsutis. apice nigro-sphaelatis; corollis flavis aequalibus; involucelli dentibus 8 subulatis subaequalibus; fructu . . . ? — Crescit in declivibus septentrionalibus faucibus Duderis montis Elbrus in Persia.
- 4- C. STELLIPILIS Boiss. I. c. f — Perennis, basi suffrutescens, tota tomento brevi denso pubescenti pilis lepidulo-stellatis constanti pannosa: caulibus erectis teretibus; foliis ad extremitatem caulium sterilibus brevibus aggregatis et secus partem inferiorem caulium fertilibus oblongis, in petiolum longo attenuatis oblusis vel acutius integris vel superne obsolete denticulatis, superioribus ad pedunculorum basin anguste linearibus glabris; pedunculis monocephalis longis oppositis glabrescentibus scabridis; capitulis globosis mediocribus; involucri phyllis paleisque scariosis pallidis tenuissime tomentellis ovalibus breviter acuminatis; corollis luteis aequalibus; involucelli dentibus 8 subulatis ciliatis, quatuor ex angulis ortis fructu paulo brevioribus. calycem interiorem superantibus. quatuor intermediis triplo minoribus. — Crescit in siccis calidis dumosis ad radices montis Gebel Scheik (Hermon) Antilibani supra Rascheyah.

2193. KWAUTIA *Coult.*

(DC. Prodr. IV. 850. - Wlprs. Repert. II. 533. VI. 85.)

- * KN. MOLLIS Jord. Cat. du jard. de Dijon 1848. p. 25.— Pedunculis elongatis; involucri foliolis lanceolatis acutis, basi paulisper attenuatis, involucelli dentibus crebris acutis; calycis limbo propter tubi picem exsertum pedicellato, inferne rotundato umbilicato

- modice aperto piloso longo ultra medium 8-dentato, dentibus anguste lanceolatis, apice in anstam nhdam hispidulam limbi pilos superantem limboque toto duplo longiore demum demum, corollae tubo basi longe attenuato calyce subquadruplo longiore, lobis oblongis spatulatis obtusissimis lobum vix acquantibus, fructu laxo villosulo ovalo-oblongo compresso, apice lobis exsculo involucrum excedente leunialo, foliis molliter pilose subtomentosis. radicalibus oblongis lanceolatis vel ovatisve nullisve acutis in petiolum brevem angustatis integris dentatisve vel pinnatifidis, lobis ovatis linearibus obtusiusculis subdentalibus, caulibus sessilibus, supradorsibus e basi eximie rotundata in lobis linearibus dissectis, foliis linearibus lanceolatis integris caulo villosulo credo ramoso, ramis paucis — Habitat in Abyssinia prope Bimbrin
- 2 KN. TIMLROYI Jordan I c — Pedunculis elongatis saepe apice natis, involucri foliolis lanceolatis acutis, involucelli dentibus minutis obsolete, calycis limbo sessili rotundo aperto piloso fere ad medium 8-dentato, dentibus ovato-lanceolatis in anstam albidam hispidulam limbi pilos multo superantem et limbo toto longiore em desinentibus, corollae tubo hispidulo basi sensim attenuato calyce triplo longiore, lobis oblongis obtusis, fructu laxo villosulo elliptico-oblongo compresso calycis longitudinem paulo superante, foliis pubescentibus obscure venatis, radicalibus oblongis acutis, inferne in petiolum angustatis integris simpliciter ternatis vel inferne profunde pinnatifidis, lobis ovatis oblongis ovatisve, nervis sessilibus in lobis linearibus oblongis cum leuicis natis dissicis, floralibus linearibus integris, caule inferne praebellim villosulo cincto ramoso, in nervis pinnatis virgatis — In nemoribus prope Lugdunum Gallorum.
- 3 KN YUAIUTA Jordan I c 26 — Pedunculis elongatis, involucri foliolis lanceolatis acuminatis, inferne angustatis, una basi calyce subquadruplo longiore, involucelli dentibus paucis angustis acutis, calycis limbo pedicellato cyathiformi piloso, fere ad medium 8-dentato, foliis lanceolatis in anstam tenuem superantem hispidulam prope triplex limbi pilos superantem limboque toto duplo longiore demum demum, corollae tubo brevi calyce bina duplo longiore, lobis oblongis ovatis, fructu laxo patenter villosulo oblongo compresso apice ternato, foliis pubescentibus, radicalibus oblongis longius acutis, nervis in petiolum brevem angustatis integris vel obtusis crenatis, caulibus ambitu ovatis, ex basi ad costam pinnatifidis, lobis numerosis oblongis lanceolatis linearibus subdentalibus vel subdentalibus, (lobis lanceolatis subdentalibus, caule breviter pubescente erecto ramoso, ramis virgatis pinnatis multifloris, — In nemoribus siccis Abyssiniae

2194. PTEROCEPHALUS Vaill.

(DC. Prodr. IV 652 - Wlprs Report II 534. VI 85)

- 1 PT. FRIEDELII Hochst mss ex A Rich Tent fl Abyss I 369. - Caulis frutescente erecto bipedali, a basi lamoso, ramis raris virgatisque superne pulverulentopubescentibus teretibusque, foliis inferioribus . . . , caulibus simplicibus lanceolatis aut sublinearibus acutis integris. basi angustatis, glaberrimis, subtus pulverulentis. capitulis terminalibus, pedunculo elongato multo longiore squamis saepius 10 biserialibus lanceolatis acutis, apice longe acuminatis albido-tomentosis, externis longioribus. involucello oblongo tostato, lomenloao, apice denticulato pappi calycini sellis plumosis, corollis siccis involucro longioribus, — Habitat in Abyssinia prope Tigre*.
- 2 PT. QUARTIMANUS A Rich I c. — Caule basi vix suffrutescente simpliciusculo. apice monocephalo, 4—8 uncias alto pubenti, foliis anguste lanceolatis acutis integris, basi sensim angustatis. praesertim subtus dense pubescentibus. capitulum terminali magno: involucri foliolis linearibus lanceolatis acutis tomentosis, alternantibus inaequalibus, corollis valde siccis, involucrum aequantibus. involucello dense sericeo subcostato, apice

- dentato pappi calyuni setis longis, margine plumosis — In Abyssimae convalle ad
11 Tnceaze
- 3 PT CARAMAMCUS Boiss fit Heidi Diagnoa plant onent nov. X p. 77. + — Annuus
vt I biennis caule leieii tenuissimc pubescenti-viscido praetercaquc pilis sparsis pa-
tulis hispidulo, mfernc folioso, superne pluues subdicliotome lamoso, foil is eodem
duplici mriumemo obsius, omnibu* pinnaliparlito-hialis, segments oblongo-lanceola-
tis in pitiolulum attenuate acue dentaftis, lerminali majoie. foliorum supenorum seg-
meutis lanctolalo-lincaiibus acuiibSimis mlegns, cnpitulis longi&sime pedunculaus
in\oliii(ii phjlli* flonbus dimidio bicvionbus lomcniellis nlbidis oblongo-lineaiibus, in
cuspidem vindem squnrroso-recurvam attenuatis toiollis caeiulus adpresse velulims
non radianlibus, in\olucello oblongo apice subattenuaio, sujurne ad cusias ciliato-glan-
dulo, denticulis lineaubus bievisissimis, caljcis stipite bi< vionbus coionario, calycis
setis 12 plumosis, involucello subriuplo longionbus — *Pi plumosui* Heldr mss
non Coult — Crescil in lupeslnbus apiicisTaun infeiions inter Karaman el Ermenek
alt 3000 ped
- 4 PT COULTCRI Boi>s 1 c f— Annuus vel biennis, lotus pube brevissima densa alia-
que longion patula tomeniellus viscidulus caule tereti fere a basi subdichotome ra-
mosissimo, folus omnibus sessilibus oblongis pmnatisectis, lacimis lineanbus iterum
acute dentatis vel pinnaiifldis acutfs, super cottam mediain latam confluentibus copi-
lu is numeiosis, pidunculis longis ngidis paiule pilosis suffultis, involucn adpresse
birsuti pbyllis lanceolalis in mucronem attenuatis, corollas aequanlibus. corollis ad-
presse hirtis flavidis, extenonbus subadianiibus, limbo atiopurpuieo. involucello cy-
lindnco, apice truncato, ad angulos brcMter ciliato, in coronara brevem integrammcm-
bianaceam abeunti, in ceniro aieolne tcimmalis vaginula c\jindnca truncate mem bra-
naced, calvei» slipilem includenti aucto caljus sens encit *li* plumosis. — *Pt. brevis*
<<oult. — (escit in deserto Arabiae peiiaeaio Pilaestmae flnitimo, monte Carmelo Per-
sia australi
- 5 IT, ARABICUS Boiss 1 c 78 f — Poiennis. basi suffrutescens dense caespitosus na-
nus cinerascens, sub lente pube brevissima cnsputa dense obsitus, foln» radicalibus
caulinisque anguste obloogò-lineanbus, basi ottonualia oblusiusculis, vel mtogris \el
dentatis, vel saepius ad medium usque peUinato-pinnalifldis, lobis oblongo-lineanbus.
taulibus leielibu* pumilis ngidis, a basi opposite ramosis 1—3-cejihalis, poduntulis
ngidis m\olucii tomentello-cincrascentis pbjllis 5—7 oblongo - lanceolatis aculis, flo-
>cs aequanlibus superantibusve, corollis adpresse hirtis luteis, involucello (jumon)
adpresse bnto, apice non angusiato, m coionam int(grain bieMbsunam abeunti, caly-
4s setis 16 plumosis, — Crescit in lapidosis latens septentnonalis jugi Tih infra El
Rakmoñ alt cue 4000 ped. in Arabia.

2195 SCABIOSA *Ho em. sf Schult.*

(DC Prodr IV 654 — Wlprs Repert, II 534 VI 84)

- 1^{Sr} (*Cytostemma*) LEPTOPODA Boiss Diagnos plant orient nov X p 78 f - An-
nua. «. tota porce et brevissime sub lente puberulo - spabnda caule tenui tereti a basi
dichotome ramosissimo, folus ambilu oblongw pinnatipartnis, basi in peliolum ciliatum
attenuate, lacimis lineanbus elongalis submtegnis, foliorum Infenonim lalionbus obtu-
^s. supenorum tenuiter fliliformibus acutis, capitulis mmulis longe pedunculaus laxis-
sime corymbosls, involucn pbyllis 6—7 e basi latiori dense albo-hirsuta lineanbus
hirtoljhs vnidibus, Mores marginales non aequantibus, post anthesin dellexis corollis
oxlus hirtellis albidis vel pallule lutescentibus, extenonbus radianlibus, lobis oblongis
8ubmtegris, capitulis fiuclifens ovatis, fructu turbmato parvo, involurelli basi minima
8ubroiunda tereti 8-striala ad stnas ciliaia. corona tubo longion ldtionque hemlsphae-
"ca, 8 nervis vnlidis arcuaym confluentibus totidemque foveolis inteimedns exarala,

margine brevi membranaceo plicato-crispo ciliaulo terminaia, calycis interioris stipite basi vagina membranacea cincto e corona non exspito, setis 5 coiona duplo longioribus. — *Asttioccephalus arenanus* Vis. — *Istrocephalus peclmatus* Lag⁷ — Crescit in artiosis Aiabiae petraeae Paestinae conieiminac et regionis Amalccilarum.

- 2 SC. EREMOPHILA Boiss 1. c f — Annuā breviter hntello-&cabiidi virescens nana caulibus breMhus piocumbuiibus flifoimibus, a basi nltcine Honfcris flexuoso-mfra-ttis saepe bicvissimis, foliis ladinlibus oblongo-linenubus, leiminnli multo majon. cauhnis angusie lintanbus elongatis inlcgmnus capiulis minimis pauciflons pedunculo fliformi eiccto-patulo us pliuies longion suflulu* involuē phyllis. 6—7 lineanbus dcutis, inferne praeseilim hiriis, capitulo longioribus, coiollis mimmis cdrcnis non radiantibus, capuulo fiuctificio aphacenco, lruclu tuibinalo parvo involuelli lubo parvo subrotundo terefi pubeiulo 8-stnato coiona lubo paulo longion duploque lation brevissime obconica 8 nevis arcuatim confluentibus totidcmque foveolis mtermediis exarata. maigine brevi membranaceo plicato-crispo, extus hirtello terminata, calycis intenons stipue coronae tequilongo ad apicem usque vagina membranacea tubulosa cincto, sens 2—4 coronae acuilongis, saepe brevionbus tenuissimis — Crescit in arenosis desciti Arabici loco Ramla dicto inter jugum Sinaiticum et radices jugi Tin sito
3. SG (*A«teiocephalu\$*) PALAESTINA L — DC 1 c. 655 no. 8 — Boiss. 1 c. 80 t (Diagn emend) — Annuā pihs mmutissimis cilnsque sparsis lursuta, caule elato ramoso, ramis pedunculisque stnclis longissimis foil s mfenoribus oblongis, basi attenuatis, deniibus saepe sublyratis, supcrionbus mflidis, lacinus linenn-lanceolalis aculis integns, intermedia moiori, involuē phyllis basi hirsntissimis lanceolatis acutis. corollas marginnles aequantibus vel us subbruvionbus coiollis albido-lutescentibus radiantibus, lacinus tnflidis oblongo-lineanbus, intermedia subquddnflida involuelli tubi dense albo-pilosi, basi teicti foveolis aequilonga, corona tubo subduplo longion 32—35-nervi, calycis limbo longe stipilalo, siu& quinque scabris coiona brevionbus — Crescit in Palacsiina ubique et in Persia australi
4. SC CALOCEPHALA Boiss 1 c 80 f — Annuā brevissime asperula ad folioruin basin parce setosa canle erecto opposite ramoso, ramis pedunculisque longissimis ereclis, folus infenonbus oblongo-spathulatis crenato-dentatis, basi breviter altonuniis, supenonbus lyrato-pinnatipartitis, locinns integernnis, lateialibus utrmque 2— 3 oblongo-lineanbus, intermedia multo majon oblongo-lanceolata, involuē phylli^s adpressiuscule hirsuiis oblongo-lanceolatis acutiuscubs, corolla margiais dimidio breMonbus, corollis amoene caeruleis. extenonbus valde radiantibus, latimis usque ad basin palmalim lateralibus 3—4 intermedia 4—6-paititis, tubi involuelli dense albo-pilosi basi terefi foveolfe brevion corona tubo subduplo longion 20—24-nervia, calycis limbo longiuscule stipitato, sells 5 brevitei exseiis — Ciescit in Cilicia, Syria et in monte Torbol prope Tupoh
- 5 SC. PERSICA Boiss 1 c 81 f— Annuā tonuissime et dense puberula canescens. caule erecto tenui fliformi ramoso, ramis pedunculisque tenuibus longissimis erectis. foln» omnibus pinnatipaititis. radicalium lacinus abbreviate oblongo-lineanbus lobulalis aequilongis, j>uptnoium lineanbus integns, intermedia longion. mvoiucri adpre«« him phyllis elbptico-lineanbus aculis, (lores oxternos non aequantibus, coiollis e sicco carneis, extenonbus modiuē ladiantibus, lacinus ad medium Hindis, involuelli tubi pilis albis dense hirsuti basi lerefi foveolis brevion, corona tubo longfon 24—26-nervi, cahcis limbo breviter stipitato sens e coiona longe exscrllis — Crescit in Persia austiali ad luinas Persepolis et in Peisia boreali in monte Elbrus prope Derwend, in provincia Taljsch
- 6 SC. ANATOLICA Boiss 1 c 82. f — Annuā dense et brevissime puberula. ad basin foliorum ciliata caule a basi ramosissimo ramisque albidis valde patenti-divancaus* folus omnibus pinnatipai tins, lacinus integernnis, laieralibus 2—3 lineanbus, interone' dia foliorum infenorum oblongonlinean, supenorū nulto majon lineari, pedunculi'

longis rigidis; involucri basi hirsuli phyllis virescentibus scabridis lanceolatis acutia, flores marginis superantibus, fructiferis reflexis; corollis caeruleis, marginalibus breviter rindianibus, laciniis ad medium usque in lobos 2—3 oblongo-lines res Assis; capitulis fructiferis bemisphayricis; involucri lubi dense albo-pilosi basi tereti foveolis subaequilonga; corona tubo paulo longiori 32—3B-nervia; calycis limbo slipiiato, setis 5 e corona breviter exsertis. — Crescit in Cariae et Lydiae montanis, in monte Mesogi prope pagum Dérwent et in planitl^Tbfrensi ad agrorum margines ad Boudour l'isidia.

Ordo CXIII. GALTICEREAE^{it}. Br.

(DC. Prodr. V. 1. - Wlprs. Repert. VI. 87, Annal. I. 382. ft 988.)

3036*i*. IiEUCOCERA Turczan.

(Turczan. Flora [B. ZJ XXXI. 712.)

Involucrum quinquepartitum, laciniis basi cohaerentibus aequalibus. Jeceptaculum globosum paleis foliaceis subulatis inter flores onustura. Flores omnes hermaphroditi tetrameri. Calycis lobi demum indurati corniformes, cornubus in iloribus exterioribus brevioribus. Corollae tubus gracilis, ad faucem ampliatus obconicus, limbus quadripartitus, laciniis oblongis. — Herba annua circiter semipedalis a basi ramosa, caudice floccosa hinc inde vestita: ramis horizontaliter patentibus; foliis ternis glabris caulinis et rameis infecionibus pinnatipartitis, simplicibus, capitulis oppositifoliis parvis multiseriatis. Calyces corollaeque lacteae. Achaenia libera. Stylus clavatus divisus. Albumen carnosum, embryo hyalinus axillis, radícula pro more ordinis supera. — Genus *Calycereum*, calyce cornuto ad *Calyceram* et *Pham* accedens, ab utraque diversum floribus omnibus hermaphroditis, ab illa insuper corollae tubo infra limbum ampliato, a hac acheniis non concretis.

*%L. ANNUA Turczan. 1. c. 713. — Crescit in republica Chilensi, prope Colcbogua.

Ordo CXIV. COMPOSITAE *Vaillant**).

(DC. Prodr. V. 4-696. VI. 1-678. VII. 1-308. - Wlpris: Repert. II. 538. & 944. VI. 88. & 702. Annal. I. 383. 8: 989.)

Subordo I. *TUH\JI*IWVJOMAM* DC. Prodr. V. 8.

Tribus 1. *VERNONIACEAE* Less. — DC. Prodr. V. 9. & VII. 263.

2198. *OIOSPERMUM* Less.

(DC. Prodr. V. 11. VII. 263. — Wlprs. Repert. II. 538.)

1. *O. NIGIUTANUM* Bnlli. in Hooker. Niger Flora 425. *f* - Caule puberulo: foliis brevissime peliolalis ovali-oblongis. basi angustatis. subtus pubescenlibus; capitulis nudis; corolla glabrâ achacnio oblongo Itfngiore. - Crescit in Nigrilia prope Patten.

2199. *SPABOAHrOPHORUS* Vaill.

(DC. Prodr. V. 11. ft VII. 263.)

1. *'SP. VAILLANTII* Grtnr. — DC. Prodr. V. 12. - Bnlh. in Hook. Niger Flora 425. - *?>. Africanus* Grlnr. — DC. I. c. 12. no. 2.

2200. *ETHUIJIA* Cass.

(DC. Prodr. V. 12. VH. 263. — Wlprs. Reperl. II. 945, Annal. I. 384.)

1. *•E. RUPPELLH* Hochst. mss. ox A. Rich. Tent. flor. Abyss. I. 372. — *GutenbergU* Abyssinica* C. H. Scliuli (Bip.) — Wlprs. Report. II. 703. *f*
2. *E. ALATA* Sonder, Linnaea XXIII. 60. *f*— SulTruticulosa ramosissima glabra: foliis lanceolatis denticulotis, utrinque scabris. in alas latas denticulato-scabras decurrentibus; capitulis ovatis ad apices ramorum aggregatis peilunculatis, pedunculis involucroqufl pubescenti-scabris.— In Promontorio bonao spei locis cultis.
3. *E. CUNNINGIAMI* Hooker in Mitchell. Journal of tropical Australia p. 62. adn. — Glf berrima: caule diclioioino; foliis oblongis sessilibus dentato-serratis; capitulis pan««J corymhosus globosis; involucris squamis oblongis imbricatis viridibus; pappo e sfl^u paucis brevibus. — Crescit in Australia orientali tropica.

•) Compositas novas a cl. C. H. SGHULTZ (Bip.) in Linnaea XXII. p. 569. sq. nominator nec tamen descriptas consullo omisi.

2200/t. ADEHSrOOHT *Dalzell.*

(Dalzell in Hook. Kew gard. misc. 11.344.)

Capitulum multiflorum aequaliflorum. Involucrum imbricalum tres, squamis cartilagineis hirsutis ^u cronatis (rinerviis glandulosis. Receptaculum perianthium alveolatum, fimbriatum. Corolla regularis, tubulosa, limbo 5-fido, laciniis linearibus acutis, tubo parce arachnoidico sub-3-plo brevioribus. Antherae subexsertae, filamenta brevia. Stylus basi glandula cupuliformi inclusus, ramis subulatis exsertis. Achaenium cylindraceum, apice truncatum, glabrum, 10-sulcatum, glandulosum. Pappus nullus. — Herba erecta ramosa sesquipedalis: caule angulato, scabro hispido; foliis alternis sessilibus, late ellipticis, utrinque acutis, grosse serratis, *pilis* articularibus bulbosis scabridis, glandulosis; capitulis pedunculatis corymboso-paniculatis. Flores caerulei. Folia 2—2¹/₂* Poll, ionga, 1 — i_a lala.

* *A. INDICUM Dalzell l. c. — In Indiae orientalis montibus Syhadre.

2201. HEB9ERU *Case.*

(DC. Prodr. V. 13.)

l. II. STELLULIFERA Bnlh. in Hooker, Niger Flora 425. f — Decumbens: ramis laxe corymbosis polycephalis; chaeniis hispidulis; pappo simplici coroniformi fimbriato stellato-patente. — Crescit in Sierra Leone et in insula Fernando Po.

2203A- VEBHTOHTE *Sonder.*

(Sonder, Linnaea XXIII. 62.)

Capitulum multi- et aequaliflorum. Involucrum hemisphaericum, floribus aequale, imbricatum, squamis scariosis subcoloratis obtusis ^u cronulatis eroso-denticulatis, exterioribus oblongis, interioribus sublinearibus longioribus. Receptaculum convexiusculum nudum alveolatum. Corolla regularis, quinquefida lobis parte integra multo brevioribus. Filamenta laevia, antherae inclusae. Styli rami subulati, hispiduli. Achaenium cylindricum, villosum. Pappus biserialis, serie exteriori brevissima serrata, interiori setiformi, setis plumoso-ciliatis. — Herba suffruticulosa erecta glabra: caule sulcato-striato, ad medium usque folia to, apice subsquamuloso; foliis alternis sessilibus linearibus, uninerviis; capitulo terminali solitario; corollis purpureis; pappo sordide albo.

* *V. AFRICANA Sonder l. c. f - Port Natal.

2204. VMUFLOOTA *Schreb.*

(WC. Prodr. V. 15. Vn. 263. - Wlprs. Repert. H. 538. 8c 945. VI. 89. 8c 702, Annales. I. 384.)

l. v. (*AcUepis*) PETTIANA A. Rich. Tent. flor. Abyss. I. 373. — Caule herbaceo ramoso crasso dense pubente; foliis attenuatis acutis, basi sensim angustatis serratis U.

- 6—8 uncias longis, 6—12 lineas latis, superne pilis quibusdam raris conspersis, subtus praesertim in nervis dense puberulis capitulis corymbum ramosum pauciflorum ramosissimum involucri involucrali campanulati squamis numerosissimis lanceolatis amplexantibus involucri involucrali campanulati squamis numerosissimis lanceolatis amplexantibus — In Abyssiniae provincia Chut
- 2 V (*Leitidaploa*) MYIUOCTPHVLA A Rich I c 374 — Ramis apice ramoso - paniculatis leietibus stantibus puberulis folis superne sessilibus oblongo-ellipticis acutis margine serratis, basi obtuse cordato-auncutiatis, superne subglabris, subtus puberulis-tomentosis capitulis uinerosissimis subtuberulis, cymas scorpioides in paniculam terminalem dispositas efformantibus, in involucris subtuberulis vix superne latioribus squamis obtusissimis ulialibus puberulis, achaemis obconoidibus valde serratis pappo duplici albedo — In Abyssiniae provincia Chut
- 3 V (*urtoipermoides*) JACLAEOIDHS A Rich I c 376 — Caespitosa, subulescens caule a basi ramoso minime vngui simplicibus (1A—2 pedes longis) teretibus stantibus Intrae asperis folis alterne ciliatis oblongis, basi sensim angustatis et subsessilibus junctis tuculis, margine obsolete serratis submarginatis puberulis. asperis nunc punctatis. aul MX punctis raris pellucidis noialibus capitulo terminali folis simplicibus annatis quasi involucris, globoso-depresso (in genere inaximo), involucris cimpamihis-pilemibus squamis oblongis, imagine dorsoque subfugueo-lanatis, nervis abrupte acumatis et subsessilibus, lacinis corollis angustis obtusis hinc inde terebus leirugueo-sensibus pappo ferrugineo — Habitat in Abyssinia locis incultis provinciae Chut
- 4 V (*Teplnodcs*) MACRO(LPIIALA A Rich I c 377 tab 57 — Ramis teretibus stantibus puberulis nervis superne elliptico-lanceolatis acutis, basi sensim angustatis et subsessilibus serratis, superne hirsutis - miosis, subtus arachnoideo-tomentosis, punctis lesinosissimis inermibus, capitulis maximis pedunculatis cymas 3—5-ccpbalam efformantibus involucris paitp mlenore carnosa et discinis gtmopb}llum obconico-depressum cfoimanie squamis inflexibus nanis distansibus sublinealibus disco carnoso affixis, squamis superne ma i gin em disci coionanibus, saepius biseualibus, basi angustis, sensim in apertis (oliacis oblongis acutam erectam desinentibus; clinando piano Jatisaeno nchaenus oblongo-teretibus stantibus ferrugineo-sensibus, pappo brevi subferrugineo duplici — In Abyssiniae provincia Choa
- 5 V IIYMLISOLLPIS A Rich I c 378 — Caule basi suffrutescente ramoso ramis erectis teretibus albido-tomentosis 2—3 pedes longis, folis allerns petiolatis lanceolatis acutissimis margine macqualiter serratis argute serratis, superne puberulis, subtus albido et dense tomentosus, 5—8 uncias longis, 8—16 lineas latis, capitulis magnis corymbum dorsum oligoccephalum, basi folis minoribus intermixtis efformantibus, involucris globoso-campanulatis laxe imbricatis squamis numerosissimis linealibus longissimis acutissimis tenui-membranaceis, exteris inflexibus puberulis-tomentosis, internis subglabris achaenus prismaticis subglabris, pappi duplicis setis exteris interioribus dimidio brevioribus — In Abyssiniae provincia Yedjou & fhoa
- 6 V. (*Lipidaploa*) URTICA* FOLIA A Rich I c — Ramis virgatis teretibus stantibus puberulis folis alieims brevissime petiolatis elliptico-oblongis acutissimis, margine obsolete crenatis, utrinque puberulis, basi vix serratis, subtus bullato-lacunosissimis; capitulis panulis paniculatis involucris squamis imbricatis, ovali-oblongis obtusis submucronatis tenuibus pjosissimis, pappi sensu exteris bievibus, achaenus obconoides glabris, basi glandulosus — In Abyssiniae provincia Choa
- 7 V QUARTIMANA A Rich I c 379 — Caule basi suffrutescente ramoso. ramis erectis bipedalibus teretibus vix superne floccoso-tomentosis, folis alterne basi vix petiolatis ellipticis ant oblongo-lanceolatis obtusis aut subacutis, basi angustatis, margine serratis, nervis palhde serratis, superne glabris aul floccoso-puberulis, subtus dense et floccoso-puberulis, capitulis junioribus subtuberulis cymas partiales scorpioideas laterales in paniculam contractam dispositas efformantibus, involucris squamis imbricatis linealibus ncutis, dense albido-tomentosis

- achaeniis subteretibus sericeis, pilis superioribus coronam elTormantibus, pappo ferrugineo duplici, setis externis multo brevioribus. — *Limia vernonioides* C. H. Schultz (Bip.) — Vlprs. Repert. II. 948. — In Abyssinia.
- &. V. CONFERTA Bntb. in Hooker, Niger Flora. 427. f — Fruticosa? ramis lomentosis; foliis amplis obovato-oblongis sinuatis, basi angustatis petiolatis, supra ad venas, subtus utriusque tomentosis; panicula nuda terminalis aphylla; capitulis subsessilibus 10—12-floris; involucri squamis brevibus oblongis, interioribus linearibus - oblongis acutis; achaenio glabro; pappi sordidi setis exterioribus plurimissimis brevibus. — Crescit in Sierra Leone.
9. V. GUINEENSIS Omh. I. c. f — Herbacea? crecta: ramis sublaevibus-tomentosis; foliis lanceolatis serratis, supra araneosis, demum glabris, subtus dense lomentosis; corymbis oligocephalis; capitulis late ovatois 25—30-floris; involucri squamis obtusis, dorso tomentosis; pappo externe interiori triplo brevioris. — Crescit in Sierra Leone.
10. V. VOGELIANA Bnth. I. c. + — Fruticosa puberula: foliis petiolatis oblongis, utriusque longe angustatis subintegerrimis membranaceis; cymis terminalibus paniculaeformibus ramosissimis subapicatis; capitulis pedicellatis 8—10-floris; involucri squamis oblongis, exterioribus ovalibus oblongis; achaenio pubescenti - glanduloso, pappi serie exteriori interiori quadruplo brevioris. — Crescit prope Clarence in insula, Fernando Po.
- U. V. ANISOCIAETOIDES Sonder. Linoaea XXIII. 61. f — Caulis suffruticosus teretis striato; ramis alternis foliisque tenuissimis pulverulento-puberulis; foliis petiolatis triangularibus acutis integerrimis vel apice repando-dentatis. basi longe cuneata trinerviis; panicula maxima subfoliata; involucri parvi squamis subquadrilateris ovatis acutis ciliatis; capitulis 20-floris, pappi serie exteriori brevissima, interne multiseta; achaeniis cylindricis strigulosis. — Port Natal.
- «. V. EMINENS Bischoff, Annal. des sc. natur. (3. Sdr.) IX. p. 320. - Caulis herbaceus teretis striato; foliis elongato-lanceolatis longissime acuminatis. basi breviter angustatis subsessilibus serratis. serraturis perangustis patulis. apice subincurvis; capitulis in cyma subcontracta, ramulis villosis-hirtis; capitulis omnibus pedunculatis, exteriorum pedunculis ascendentibus; involucri campanulato cylindrico; foliis ovalibus obtusis brevissimo mucronulatis. exterioribus acutis; fructibus glabriusculis, inter costas resinoso-punctatis; pappi radiis longioribus apice conspicue clavatis. - In America boreali.
13. V. LINDHEIMERI Gray & Engelm. Boston Journ. of nat. hist. VI. 217. f - Perennis bipedalis: foliis angustis linearibus confertis sessilibus uninerviis. margine revolutis. supra glabris punctatis. subtus cauleque simpliciter sericeo-tomentosis; capitulis corymbosis breviter pedunculatis 30-40-floris; squamis involucri cano-tomentosi pappo rubiginoso brevioribus conformibus appressis oblongis obtusis exappendiculatis; achaeniis glabris decemcostatis glandulosis; pappo exteriori multisquamellato. * crescit in republica Texensi.

f Icon addenda*

V. PECTINIFORMIS DC. Prodr. V. 31. no. 90. - Wgbt. Spicil. fl. Kailgherr. H. Wb. 103.

2205; **GYMNANTHEMUM** CM*.

(C. H. Schuller [Dipont.] in Wlprs. R. p. II. 948. - J. Schuller DC. [nec alior.] Prodr. V. 66. — Wlprs. Annal. I. 388.)

* G. ANGUSTOLIUM Benth. in Hooker, Nig. Flora 429. f — Pubescens: foliis (superioribus) linearibus lanceolatis rugosis, subtus albo-tomentosis; capitulis laxis subcorym-

bosis; involucri globosi squamis numerosis, exterioribus seiaceo-acuminatis recurvis, interioribus oblongo-lanceolatis scanosis. — Crescit in Sierra Leone.

f Icon addenda.

- G. RETICULATUM C. II. Schultz (Dip.) — Wlprs. Repert. II. 948. no. 4. - Wght. Spicil. (I. Neilgherr. II. t. 10).

2211. ODO9TTOCABPHA DC.

(DC. Prodr. V. 71.) deleatur. nam:

- O. POEPPIGII DC. 1. cil. 72. no. 1. = BRACHYRIS PAMCULATA DC. Prodr. V. 313. no. 2.

2220. MOHTOSIS DC.

(DC. Prodr. V. 77. — Wlprs. Repert. VI. 99, Annal. I. 389.)

- 1 M ? ELAEAGNOIDES Knth., Index sem. in hort. bot. Derolin. ao. 1848. collectorum p. 14. no. 18. — Fruticosa: ramis subangulatis pinnatisque densissime et tenuissime stellulato-tomentosis, fuligineo-fusis; foliis sparsis petiolatis oblongis obtusis, basi acutis integerrimis undatis, supra glabris, laete viridibus nitidulis, sulcatis densissime et tenuissime stellulato-tomentosis argenteo-albidis. subcoriaceis; pedunculis axillaribus subnatis, folio brevioribus polyccephalis; capitulis sessilibus subfasciculatis: involucris glabrescentibus. — Habitat in Nova Hollandia.

f Icon addenda.

- M. WIGHTIANA DC. I. c. no. 1. — Wght. Spicil. II. Neilgherr. II. tab. 105.

2250. PECTIS Linn. *)

(DC. Prodr. V. 98. — Wlprs. Repert. II. 544. VI. 104.)

§. 1. *Heteropectis* A. Gray, Pl. Fendl. 62."

Pappus coroniformis et 1—4- aristatus, vel saltern fl. disci muticus, aristis serrulato-scabris.

1. P. FASTIGIATA A. Gray. Plant. Fendler. 62. adnot. — Erecta glabra: caule fasciculato-rimosissimo; foliis marginibus revolutis lineari-filiformibus mucronatis grosse glandulosis, basi setis utrinque 2—3 insurrectis; corymbis terminalibus confertis; pedicellis setaceo-bracteatis cuspida subaequantibus: involucri 20-llori squamis 8 linearibus subcomplicatis, apice obtusis uniglandulosis; ligulis 6—8 oblongis conspicuis; corollae duci subregularibus; achaeniis parce hispidulis; pappo coroniformi et in Q. radii discique exterioribus 1—2-arisialis, aristis corolla dimidio brevioribus, basi vix dilatatis. — Crescit in republica Texensi.
2. P. FILIPES Harv. & Gray. Plant. Fendler. 1. c. — Subglabra erecta: caule ramosissimo diffusivo; foliis anguste linearibus obtusis muticis, marginibus revolutis scabris pauciglandulosis, basi parce piliferis: pedunculis capillaribus ebracteatis folia superantibus; involucri 10-llori squamis 5 eglandulosis, basi complicato-carinatis, apice multilobato-spathulatis obtusis; ligulis 5 obovatis; corollae disci manifeste bilabialis; acbae-

*) GAVIISIA Bertol. huic generi fortasse in posterum adscribenda ad finem **Labiati** florum enumerabitur.

niis parce puberulis; poppo radii biaristato, disci coroniformi rariusve uniaristato, aristis e basi subulata seiiformibus, sursuin scabris divergentibus. — Crescit in California.

- ³ P. COULTERI Hrv. **fit** Gmy 1. c. — Puberula, diffuse ramosa: foliis anguste lineari* bus obtusis crebre et grosse glandulosis, marginibus reTolulis, basi selis brevibus dentibusve piliferis auclis; pedunculis **fol^a** subsupcraniibus capitulum 20-florum adaequantibus cbrncteatis; squamis involucrf 5 oblongis carinalis; corollis disci valde bilabiatis; acbaeniis puberulis; pappo radii 3—4-, disci 2—3-arisialo; arislis rigidis retrorsum serrulato-bispidis. — Crescit in California.

§. 2. *Pectothrix* A. Gray 1. c.

**Pappus e selis aristisve gracilibus basi \ix dilatatis' 6—20 (raro pau-
rioribus) serrulato-scabris vel barbellatis constans conformis, aut florum
radii brevis auriculaeformis.**

- ⁴ P. PAPPOSA Harv. **ft** Gray I. c. — Glabra: caule ramoso diffuso; foliis anguste lineari- bus gracilibus, sparsim grosse glandulosis, basi utrinque.3—4-sctiferis; pedunculis 1— 3-bracleatis folia subsuperantibus; capitulis solitariis corymbosisve; involucri cir- citer 20-flori squamis angusfl linearibus complicalis glandulis parce punctatis obtusis; l'gulis 6-4}; corollis disci bilabiatis; acbaeniis uncinato-pubescentibus; pappo fl. radii dimidiato-auriculaeformi, disci e setis barbcllalis 15—20 valde inaequilongis. — Crescit in California.
- ⁵ P. DIFFUSA Hook **ft** Arn. — Wlprs. Repert. II. 545. no. 2. — *P. arenaria* Both. — Wlpr~~e~~ Repert. VI. 104. no. 1.

Tribus II. *EUPATORIACEAE* Less. — DC. Prodr. V. 103. VU. 266.

Subtribus 1. *EUPATORIEAE* DC. 1. c. V. 104.

2255/i. *TRICHOCOROTIS* A. Gray.

(A. Gray, Plant. Fendl. p. 65. adn.)

**Capitulum homogamum multiflbrum. Involucrum disco brevius. e
S(1''anjis laxis 12—10 subbiseriatis aequalibus membranaceo-heretoaceis
foiibianb. ttceptaculum conicura nudum. Corolla pi. m. glandulosa,
l'ubo angusto in faucem late campanulata quinquentatam abrupte dila-
t e. Antherae apice brevissime appendiculatae. Styh ramí exserli linea-
r^res.coraplanati obtusi. Achaenia pentagona, secus angulos hispidula,
pappo brevissimo multisetuloso-corortiformi.saepeque 5-aristulalo sape-
lat^a. — Herbae subpaludosae vel aquaticae, basi repentes: caulibus
aJ^a surgentibus vel emersis, ramosis viscoso-villosis; foliis oppositis seu
r^ramealibus sparsis, dentatis sessilibus, pi. m. amplexicauhbus; pedun-
cuhs **gracilibus nudis solitariis,vel coryrabosis; flonbus roseo-purpureis.****

- ¹ T. VVRIGHTII A. Gray I, c. — Ascendens: foliis lanceolato-oblongis subserratis e basi lata subcordata arete sessilibus, inflmis subspathulatis; capitulis parvis (sesquillneam latis) plurimis pañiculato-corymbosis; squamis involucri lineari- oblongis acutiusculis;

lubo corollae fauce brevior; pappo c seulis plurimis subcoroniformi-concretis el socpe 5-aristellatis. — *Ageratum? Wrihlii* Torr. 8c Gr. *Proced. acad. Am. I. 46.* — Crescit in republica Texensi.

2. T. RIVULARIS A. Gray 1. c. 66. adnoi. — FJuiians: racemis emersis: foliis obovato-spalhulalis sinuaio-incisis grosse-dentatisve, basibus longe angustatis connato-amplelicaulibus; pedunculis solitariis vel binis monocephalis; capitulo majusculo (3—4 tin. lato); squamis involucri circ. 12 ovalibus obtusissimis; tubo corollae gracili faucem subhincisphaericam aequante; pappo ciaristato. — Crescit in Mexico ad Monterey.

2261. ADEIVOSTEJOIA *Forst.*

(DC. *Prodr. V. 110.* — *Wlprs. Rept. VI. 106.*)

1. A. SCHIMPERI G. H. Schultz (Bip.) mss. ex A. Rich. *Tent. fl. Abyss. I. 382.* — Gaule herbaceo erecto ramoso, superne paniculato tereii pubonti; foliis oppositis oblongo* ellipticis acutis, basi sensim attenuatis et in petiolum desinentibus, margine grosse serratis et basi inlegris, superne glabris, subtus in nervis subglanduloso-pubentibus; capitulis globoso-depressis in corymbum tridivium disposing; involucri squamis subbiseriatis linearibus oblongis glabris; glabris crassis oblongo-linearibus oblongis; achaeniis obovato-arcuatis glandulosis; pappi aristis 5 divaricatis glandulosis. — In Abyssinia prope Adoua.

2264. STEVIA *Cav.*

(DC. *Prodr. T. 115.* - *WJprs. Rept. II. 546. VI. 107. ft 704, Annal. I. 395.*)

1. ST. TRICHOPODA *Harv. Pc Gray, Plant. Fendler. 64. adn.* — Herba glanduloso-pubescens: caulibus gracilibus erectis; foliis oppositis longe dissitis (inferiores desunt) ovalibus. uirique oblongis crenatis hispido-scabris triplinerviis venosis; cyma nuda etusa; capitulis longe pedicellatis sparsis; corollis involucri squamis acutis glandulosis duplo longioribus, tubo purpureo, limbo pallido irregulari subpalmato (an semper?!). achaeniis glabriusculis; pappo paleaceo brevi et 3-aristato, aristis corollam adaequantibus, basi submarginalis. — In Mexico.

2264A. CARPHOCHAETE A. *Gray.*

(A. Gray. *Plant. Fendler. 65. adn.*)

Capitulum quadriflorum homogamum. Involucrum cylindricum squamis 5 — 6 lanceolatis parce striatis laxè imbricatis, exterioribus brevioribus. Receptaculum nudum. Corollae tubulosae hypocrateriformae, involucrum duplo superantes, lobis oblongis glabris. Stylus rami filiformes glabri. Achacnia gracilia pentagona glabrata. Pappus biformis, 9 paleis 5 brevibus cuneato-truncatis hyalinis enerviis, et 5 alternis (ex angulis achaenii ortis) elongato-lanceolatis pinnate striatis uninerviis, nervo crasso in aristam serrulata corollam subbreviorem sensim exserente. — Herba spithamea glaberrima, e basi suffruticosa multicaulis: foliis oppositis et in axillis fasciculatis elongate linearibus angustis integerrimis; corymbo terminali oligocephalo; pedunculis simplicibus nudis; floribus, ut videtur, roseis, lre unciam longis^s

1. *C. WISLIZENI A. Gray 1. c. adn. - Mexico.

2268. KLBTOIA Linn.

(DC. Prodr. V. 126. — Wlprs. Reperfr. II. 548.)

- * K. LKPTOPHYLLA Scheele, Linnaea XXI. 598. f — Radix multicaulis. Caules suffruticentes ramosi strjati purpurnsoonles,, minute resinoso-punctati. Folia sessilia al- lerna clongata anguste lineari-lanceolate uninervia aculiuscula, margine revoluta inte- ~~Œ~~Clrima, minute resinoso-punctaia. Flores (!) paniculalo-corymbosi. Pedunculi canes- centes rcsinosi, apice bracteolati, hractcolae lineari-lanceolatac. Capitula discoidea homogama. Involucrum turbinato-campanulatum, lax<; imbricatum triseriale, squamae minute glanduloso-punctntao, cexternae lanceolatae acuminatae mullo breviores, inter- nao liueares striatac mucronatae, npice margine membranaceae achaenio longiores. Corolla lubulosa glabra 5-denlata, bnsi dilalala, apice non cxpansa, denies breves oblongi obtu.si, cexterne egregie glanduliferi. Styli rami exserli elongati glabrescentes, apice Mibclavati. Acliacnia subangulata multistriata glabra nilida, pappum aequantia. Pappus iiniserialis plumosus candidus, basi auranliacus corollam subaequans. — Crescii in alvco siccò fluminis Cibolo, baud procul a Neubraunfels in repulica Texcnsi.

2269. CliAVIGERA DC.

(DC. Prodr. V. 127. — Wlprs. Reper. II. 549. VI. 705.)

- ¹* ^r^ BRACHYPIYLLA A. Gra[^], Plant. Fendl. 63. no. 303. — Subcinereo-puberula herbacea: caulibus humilibus (vix pen*) foliolis; folijs oblongo-ovatis integriaculis subpeioliis iriplinerviis minutioi resinoso-punctatis (A unc. longis); capitulis circ. ^-floris in ramulos subaphyllos 'vol pedunculos racemoso-paniculatos solilariis pau- cisve digestis; squamis involucri lanceolalis aculiusculis, extimis brevibus o vat is mu- cronatis; achaeniis pubescentibus; pappo breviter plumoso. — Crescit in Nova Mexico.
- * ^CL. SPINULOSA A. Gray I. c. adnot.' — Fruticosa ramosissima glabrata: folijs parvis confertis lineari-lanceolalis rigidis cuspidalis spinuroso-dentatis; capitulis 5—8-floris ^m paniculas angustas congestis folia excedentibus; involucri squamis oblongis mucro- nulaiis; achaeniis pubescenlibus; pappo barbellato. — In Mexico ad Chihuahua.

2270/ liLATRIS Schreb.

(DC. Prodr. V. 128. VII. 267. — Wlprs. Reper. II. 549. VI. 705, A'nnal. I. 396.)

- ¹ L. MUCRONATA DC. Prodr. V. 129. no. 2. (ncc Torr. ft Gr.) — Engelm. Bost. Journ. y.p.218.— Capitulis in spicam strictam arete digestis; involucri squamis ovalibus obtii- ^s's abrupte mucronalis; pappo plumoso achaenio pubescente vix longiore; caudice globoso. — Habitat in Texas.
- * ^L ACIDOTA Engelm. I. c. p. 219. — Capilulis in spicam atrictiusculam aeepius elon- gatam digcsiis; involucri squamis oblongo-lanceolalis (exiimis tantum ovatis) purpu- ^r»scentibus, sensim acuminalo-cuspidjitis; pappo plumoso achaenio puberulo subgla- ^lr^ve longiore; caudice perpendicular^f incrassato e cormo globoso. — *L. mucronata* Torr. a: Gr. Fl. N. Am. II. 70. (nee DC.) — Habitat in Texas.
P. *vemalis*: Ilumilior, spiels brevibus.

f Icon addenda*

- ^l SPICATA Willd. — DC. Prodr. V. 130. ^l* Wlprs. Reperl. II. 550. no. 11. — Torr. Fl. of New York I. 325. f I. 47.

2275. *CofirOCMIVIOI DC.*

(DC. Prodr. V. 135. VII. 268, - Wlprs. Rept. II. 950. VI. 108. & 707, Annal. I. 397.)

1. G. ALBUM Mart. Delect, sem. hort. Monac. 1848. p. 4. adn. — Suffruticosum glabrum: ramis tereliusculis; foliis oppositis, lamina subdeltoidea acuminata, basi rectiuscula vel leviter cuneata dimidio brevioribus serratis. apice integerrimo quam petiolus duplo longiore; corymbis tri—quinguefloris; pedunculis erectis bracteolis setaceis; anthodiis ovalis, squamis biserialibus inaequalibus lanccolulis ciliaris Irinerviis; corollulis (24—30) infundibuliformibus. limbo paucis quam fauce iluplo brevioris, pappo 13-radialo scabro. longitudine lobi; achaenio angulato scabro pappi longitudino. — Corollulae albae leviter Vanillam redolentes. Receptaculum planiusculum foveolatum. — Mexico.
2. C. JANTHINUM Morr. Ann. de la soc. d'agricult. de Gand V. 173. f tab. 253. — Basi suffruticosum: caulibus erectis terelibus articulatis striatulis glabris, summis pubescenti-velutinis; foliis oppositis longe petiolatis oblongo-ovalis, basi cuneatis, apice attenuate, grosse dentatis inulinerviis, supra subscabris, subtus pubescenti-velutinis pallidionibus; capitulis in corymbum terminali dense congestis pedicellatis, circiter 30- (et ultra) -floris; involucri squamis 30 et ultra biserialibus elongato-lanceolatis acuminatis, dorso velutinis; receptaculo subconico-depresso; achaenio angulato-striato. — In insula St. Catharinae.

2277. *CAMPXOCINIUM DC.*

(DC. Prodr. V. 136. — Wlprs. Rept. II. 950. VI. 707.)

1. *C. SURINAMESE Miqu. — Wlprs. Rept. II. 950. no. 1. — Mjqu. Stirp. select. Surin. 182. f t. 53.

2280. *EUPATORIUM Tournef.*

(DC. Prodr. V. 141. VII. 268. — Wlprs. Rept. II. 553. VI. 109. ft 709, Annal. I. 398.)

1. EU. AGERATIFOLIUM DC. Prodr. V. 173. no. 212. — A. Gray. Bost. Journ. of Natl. Hist. VI. 219. — *Eu. Lindheimerianum* Scheele, Linnaea XXI. 599.
2. EU. HEDERAEFOLIUM A. Gray. Plant. Fendler. 65. adn. — Fruticosum: ramis teretibus puberulis; foliis oppositis longe petiolatis subtriangulato-cordatis obtusissimis grosse crenato-dentatis membranaceis glabris punctatis. basi trinerviis; corymbis terminalibus subsessilibus densis; capitulis breviter pedicellatis 10—12-floris; involucri squamis 9 aequalibus oblongis obtusis puberis, achaenia ad angulum hirtella 80- acqualibus. — Crescit in Mexico ad Cosiquiriachi.
3. EU. GUATEMALENSE Rgl Ind. «em. hort. Tunc. 1850. coll. p. 4. adnot. — Suffruticosum erectura paniculato-ramosum: ramis terelibus foliisque puberulo-scabris; ramis junioribus hirsutis; foliis oppositis longe petiolatis deltoideo-ovatis trinerviis acuminatis, basi et apice integerrimis, radio crenato-dentatis, dentibus obtusis; corymbis laxis pedunculatis axillaribus terminalibusve oligocephalis; pedunculis gracilibus tellis, uapitula 2—3 generibus; capitulis breviter pedicellatis ovato-oblongis sub-30-floris; involucri squamis laxe imbricatis oblongis glabris. apice scariosis ciliatis, ramis junioribus obtusis, exterioribus minoribus acutis. — Corollae albae. Habitus et folia *Schiedeani*, a quo differunt ramis junioribus hirsutis, inflorescentia laxiori, nempe capitulis binis vel ternis in involucri communi, capitulis sub-30-floris et floribus — Guatemala.

4. EU. DICHOTOMUM C.H.Schultz (Dip.) mss. ex Miqu. Stirp. Surinam, p. 184. f — Dense ramosum et foliosum: ramis cylindricis scabriuscule pubescentibus; foliis oppositis, ovatis vel ellipticis acutis, margine revoluta remote subserratis, iri- vel subtriplinerviis parceque reticulatis, supra scabro-puberulis, subtus scabriuscule pubescentibus et resinoso-punctatis; capitulis pedunculatis in summis ramulorum axillis paucis subracemosis cylindricis; squamis quinque- vel sex-senatis, arctissime imbricalis, inferioribus aequalibus, segmentis oblongis et linearibus, omnibus stramineis glabris vel tenere puberulis, apice subciliolatis; floribus 15—17, squamas parum superanlibus; achaeniis inaequaliter lateralis letragonis, angulis subscabris. — Surinam.

f **ioones addendae.**

^EU. LEDCOLEPIS Torr. ft Gr. — (Wlprs. Repert. II. 555. no. 19.) — Torr. Flor. of New York I. 327. tab. 48.

^fU. PSIADIAEFOLIUM DC. Prodr. V. 144. no. 23. (P-) - Miqu. Stirp. Surin. select. 183. t tab. 54.

228 JA? SYMPHYOPAPPUS *Turcz/)*

(Turcz. Flora [fi. Z.] XXXI. 713.)

Capitula homogama quinqueflora. Involucrum imbricatum quinque-
^{se}nale, squamis interioribus sensim majoribus. - Receptaculum angustum
 nudum favosum. Corollae tubulosae in limburas non ampliatas quinque-
 J^{dae}. Antherae ecaudatae, apice appendiculatae, filamenta glabra.
 ?y'i ramis exsertis linearibus, Achaenia pentagona, matura glabra,
 inter costas punctata. Pappus uniserialis, paleis setis ad basin sensim
^d«atis scabris, basi in anulum concretis, nectarium crenulatum,
 ityph ambientem intus foventem. — Frutex glaberrimus. apice divisus:
 .ins oppositis decussatis, inferioribus subsessilibus, superioribus bre-
 jissime petiolatis coriaceis, transverse ellipticis, pollicem fere longis,
 1/2 poll, latis, latere inferiore rotundato integerrimo, superiore simili
 sed grosse crenato, trinerviis, accedentibus nervulis 2—4 tenuioribus.
 L^ofymbus compositus terminalis. Involucri squamae supra pedunculi
^aPice^m incrassatae imbricatae glabriusculae nervosae, exteriores bre-
 ^ssimae. Corollae glabrae, in sicco sordide albae seu flavicantes.
 Antlierarum appendiculi exserti. Pappi annulus bicolor, inferne nigricans,
 Praesertim in achaeniis junforibus 4—5-angularis, superne orbicularis
 lul^{escens}.

*. *S. DECUSSATUS Turci. 1. c. — Bahla.

2282. m K A M A *Willd.**J*

(DC. Prodr. V. 185. VII. 270. - Wlprs. Repert. II. 556.4k 950. VI. 114. ft 712. Annal.
 1. 403.)

*. M. CORIACEA La'Ltaye. El Mosaic© Mexicano IL 299. - Canlis volubilis striatus.
 foliorum insertio puncto annulatus; petiolus striatus. basi in cylindrum auctus et

*) Genus sinjulare forma forio'nm. ad d«scriptionem *Nothidjii* pappo basi concrelo
^appropingatur: at recedit involucris nulliserialibus pappique setis aequaliter scabris nee

^aapice **barbellatis**.
 *) Specierum auator priorum b(o enumeratarura diagnoses benevole mecum commu-
 nica' d. fteentami.

- incrassatus, tectam folu partem longitudine aequans Folia 6—8-pollicana, alterna, elliptica, conacea cordata breviter acuminata integerrima glabra, lucida utrinque, nervis tribus prominentibus cuneatis aut stnatis, de medio ad basin nonnulla angustata lobis cordatis brevibus, rotundatis, *apicibus* — In Mexico
- 2 M REPANDA La Llave 1 c — Folia 8-pollicana opposita longe petiolata ovato-cordata, margine versus apicem integro, versus basin lepidata, utrinque scabra, nervis quinque stnatis et prominentibus, lobis baseos magis vel rotundatis — Vulgo dicitur *Huaco macho* — Habitat in Mexico
- 3 M ANULATA La Llave 1 c — Folia opposita, longe petiolata, quinquenervi, nervis cuneatis, ovato-cordatis obtusiuscula, versus apicem Integra, versus basin lobis praesertim cordatis dentato-angulatis supra scabra, subtus villosa-hirsuta — Nomen vicinacul *Huaco hembra* — Habitat in Mexico
- 4 M TLALIXCOYAN La Llave 1 c — Folia oblonga, cordato-hastata, Integra, glabra, nervis quinque stnatis, lobis cordatis, magis divaricatis — Mexico
- 5 M ODORATA Lehm mss in E Otto, Neue allgem deutsche Grntzng V 369 f — Caulibus scandentibus fistulosis teretibus glaberrimis albo-maculatis, folus oppositis longe petiolatis 5-nerviis inflexis amplissimis ramorum florum ovatis, omnibus oblique acuminatis obsolete glanduloso-dentatis capitulis pedicellatis multifloris limbo limbo basi bractea lanceolata suffultis, paniculam terminalem formantibus, involucris squamis lanceolatis obtusis — *Thunbergia fastuosa* Van Houtte, Flore des ~~serres~~ 1846 p 12 — Habitat
- b M GRACILIS (II Schultze (Bip) mss Miqu Slirp Sunnamensis select 187 f — Volubilis vel scandens folus superioribus ovalibus acuminatis, basi rotundatis vel subcordatis. remote et minutissime tute denticulatis membranaceis glabris, subtus ad nervum punctuatis, quinque-, superioribus ternis thyrsi terminalis amplius composita puberulis ultimis lacemulosis, capitulis breviter pedunculatis vel subsessilibus, *squamis* lineari-spathulatis stnatis, sub apice puberulis, deorsum glabratis corollis e basi angustiore tubulosa sinu summo hinc hinc, limbi dentibus ellipticis aculis, dorso subpapilloso-puberulis dentibus prope vix exsertis — Crescit in Surinam.
- 7 M SURINAMENSIS Miqu 1 cit 188 f — Volubilis terna subscandens stnatis, petiolis foliisque utrinque pubescentibus cuneatis, bis longe petiolatis ovalibus attenuato-aculis submucronatis, basi leviter cordatis magis summe breviter cuneatis, lobis quandoque subangulatis, caeterum remote minutissimè denticulatis, quinquenerviis, demum glabratis asperulisque, tenuiter membranaceis, corymbis terminalibus compositis capitulis basi unibracteolatis, racemose vel subracemose dispositis, axibus pedunculisque parce puberulis, his vulgo uno latere alutatis, squamis subaequalibus linearilanceolatis acutiusculis submucronatis, apice puberulo ciliolatis, caeterum glabris senis obtusatis vmdulis, corollae dentibus dorso papilloso-puberulis achaeis telragomis, ad angulos laeviusculis — *M gonoclada* Miqu — Crescit in Surinam.
- 8 M ATRIPLICIFOLIA C II. Schultze (Dip) mss ex Miqu 1 c 189 f — Volubilis pubescentia; folus longe petiolatis triangulatis hastato-cordatis (sinu angusto, lobis truncatis) sinuato-cuneatis corymbis terminalibus et ex axillis supremis cymose compositis capulis pedunculatis vel sessilibus fasciculatis, bracteola elliptico-oblonga acuta pubescente squamis albidis lineariis, apice subdilatatis mucronatis et puberulis *aliquid* superante — Crescit in Surinam in sUva prope Vredenburgkerke
- 9 M HOBTMANNI Miqu 1 cit f — Molliuscule pubescent lamulis hexagonis, foliis longiuscule petiolatis, ovatis vel subangulatis aculis vel subacuminatis, basi recte et toncaviuscule truncatis, in sinu hinc leviter products, inaequaliter serrato-dentatis membranaceis, supra paucis puberulis, subtus sparse villosulis, tri- vel subquinqvenerviis corymbis axillaribus et terminalibus trichotomis, conveio-fastigiatis, ramulis ultimis ternis — quinquellons, capitulis pedunculatis, basi bracteola 7a longis squamis

aequante, pubescente viridula Janceolala apprassa sustenlis; squamis lineari-lanceolalis acute mucronat is. duabus cztimis angustis dorso puberulis, duabus inlimis glabris striaiis lationbus, omnibus apice puberulis; achaeniis acute letragonis; pappo rufescente. — Crescit in Surinam.

- *0. M STIPITATA C. H. SchuJtz (Bip.) mss. ex Miq. K cit. 191. f—Ramis siriolatis osperulis. superne scabro - puberulis; foliis breviter petiolftis Janceolalo - vel cllipico - oblongis vel subobovato - oblongis, plerumquo ulrinque aculis vel apice magis ntenuaiis coriaceis, rcmoiissime subdenliculalis, supra glabris, sublus super nervos tenerriims pilis conspersis glanduloseque punctulatis quinquelinerviis; conmbis axillaribus e(terimnabilibus in paniculam amplam ova tain colleclis, ramulis^ ultimis vulgo tripartuis; capiulis 3—5 - fasciculalis sessilibus vel subsessilibus, smgulis bracteola prva subspathulata obtusa puberula slipatis (bracteolis circa fasciculos quasi verlicillatis), squamis lineariibus obtusiusculis, duabus interioribus glabris, duabus exterioribus subpuberulis; pappo rufo. — Crescit in Surinam.

f Icon addenda.

- M- ARGYROSTIGMA Miq.-Wlprs. Repert. II. 950. no. 3. —Miq. Stirp. Surin. select. Iffi. + tab. 53.

2283. ADSTOSTYIiKg Cass.

(DC. Prodr. V. 203. VII. 271.)

- *. A. PONTICA C. Koch, Linnaea XXIII. 696. — Caulis glaberrimus tercs foliatus erectus, pedalis el ultra; folia caulioa inferiora el media late reniformia. superiora trifidulari-⁸ubbas(ata, supreme oblonga, minima, omnia acute denticulata, supra glaberrima. subt^u» puberula, petiolo brevi sed m-embrana oyata amplexicauli praedito insidentia; ^{co}ryo)bus compositus cjmaeformis congestus pubescens; anthodium simplex pentaphyuum, glaberrimum. bast phyllis duobus linearibus dimidio brevioribus instructum; calathidium quinqueflorum. — In Ponto.

2283/., BRICKEIiMA Elliot.

(Wlprs. Repert. II. 556. VI. 117.)

1. ^{^R}. (BULBOSTYLIS?) CYLINDRACEA A. Gray arEngelra. mss. Boat. Journ. of nat.hist. < 218. — Cinereo-pubescent et resinoso-atomifera, herbacca e radice lignea: foliis Perisque oppositis triplinerviis, subtus reticulato - venosis oblongo - ovatis obtusiusculis ^{? rosse} serratis. brevissime petiolatis^ramenlibus subsessilibus; capitulis pedunculatis in paniculam foliosam laxe corymbosam digestis; involucri decemllori cylindrici aquajnia quadriseriaim imbricatis arachnoideo-ciliatis striatis mucronato-acuminatis, intimis "nearibus pappum barbellato-serrulaium aequantibus, exerioribus mulio breTioribus. ^{ov}olibus appres3is; achaeniis puberulis. — In republica Texensi.
2. ^{fiR}. 'FENDLERI A. Gray, Plnnt. Fendler. 63. no. 307. f — Glabra minute scabrida: ^{fo}liis suboppositis alternisve delioideo - cordalis acutis grosse dentatis, petiolo duplo ^{lo}ngfbribus, demibus plerumque calloso-apiculatis; capitulis corymboso -paoiculatis ^{Pr}rvulis pedicellis nudis sublongioribus; involucri circ. 30-flori squamis puberulis. ^onanibus appressis oblusis; achaeniis glabierrimis. — Habitat in Nova Mexico.
- *. ^B«. (BDLBOSTYLIS?) WISLIZENI A. Gray 1. c. 64.ado.— Glanduloso-hirta: caulibus ^{8e}u ramis elongatis sirapliciusculis foliosis; foliis opposilis internodiis longioribus ^ovato,blongis e basi subcordata arote sessilibus argute serratis acutis lucidis, undique

hirtello-scabris triplinerviis, sub His grosse reticulatis; ramulis floridis brevibus monocephalis in racemum Inxum foliosum disposals; involucri circ. 20-flori squamis pauciusculis 2—3-serialis laxis, omnibus lanceolatis, sensim acuminatissimis, intimis atienualis glabris pappum crebro serrulatum subaequantibus, exterioribus Va brevioribus glanduloso-hirtis; achacniis sericeis. — Crescit in Mexico ad Chiahahua.

Subtribus II. *TUSSILAGINEAE* Less. — DC. Prodr. V. 204.

2285.] *VIRDO* § 11 A Cass.

(DC Prodr. Y. 305. VII. 271. — Wlprs. Report. II. 557, Annal. I. 404. ft 989.)

t. *N. PALM ATA Hook. — DC. Prodr. V. 206. no. 6. — Wlprs. Reprt. II. 557. no. i. — Torr. Flor. of New York I. 331. f tab. 49.

Tribus III. *ASTEROIDEAE* Less. — DC. Prodr. V. 211. VII. 271

Subtribus I. *ASTERINEAE* N. ab E. — DC. Prodr. V. 213.

2294/i- *ASTACTOTIA* Remy.

(*Chiholnchum* §. 2. *Anactima* Hook. fl. Ant. voy. p. 304. — Gay, Historia flsic. de Cbil* [Bot] IV. p. 8.)

Capitulum multiflorum homogamum discoideum. Involucri campanulati squamae trisciales obtusiusculae concavae. Receptaculum angustiffi subglobosum, in ambitu paleis paucis linearibus onustum. CorolU⁶ omnes tubulosae hermaphrodilae quinquedentatae. Staminum filamenta apice subincrassata; antherae lineares brevissime eaudatae. StyloruID rami lineares obtusi elongati. Achaenium lineari-obconicum subangulo sum hispidiusculum. Pappus. . . . ?

1. A. *HOOKERI* Remy 1. cit. p. 8. — Foliis dense imbricatis lineari-oblongis obtusis re curvis coriaceis, marginibus incrassatis revolutis, subtus incano-lomenosis; capitula solitariis terminalibus sessilibus: involucri squamis obtusiusculis. — *Chilolrichum* mile Hook. fl. — Wlprs. Ann. bot. I. 404. no. 1. — Crescit in Chile.

2297. **FELICIA** W.

(DC. Prodr. V. 218. VII. 271.)

1. F. *ABYSSINICA* C. H. Schullz (Bip.) mss. ex A. fticb. Tent. fl. Abyss. I. 383. — Caulis frutescente ramosissimo pedali el ultra; ramis virgais teretibus piloso-hirtw; solitariis uiaxime approximalis alternis, linearibus sessilibus semi-amplexicaulibus Crassis, apice vix acutis, fere unciam longis. lineam lalis, utrinque subglanduloso-hinis etpilis albidis longis conspersis, fasciculo pilorum albidorum in siigulis loliorum axillis; capitula terminali solitario looge pedunculato; involucri squamis pluisserialibus linearibus a^{CO} tibus, dorso glanduloso-hirtis; achaeniis compressis hirtis, apice quasi truffatis, pappo simplici albido-senceo. — Habitat in Abyssinia.

2299. AGATHAEA *Can.*

(DC. Prodr. V. 223. - Wlprs. Repert. II. 956.)

1. A. ABYSSINICA Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 383. — Gaule basi fruticuloso; ramis erectis simplicibus monoceph&lis spithamaeia tentibus hirtissimis; foliis alternis *subspalhuInlo-oblungis aubaoutis* aut *obluais*, basi *angustalis*, margine integris aut vix hinc et illinc 1—2-dentatis, praesertim supra piloso-asperis; capitulo solitario terminali longe pedunculaio; involucri squamis lineari-lanceolatis, externis brevioribus, dorso pilosis, interioribus margine tenuissimis subglabris; ligulis 12—15 oblongis femineis; acbaeniis oblongo-ovalibus compressis sericeis; pappo simplici subrufo. — *Aster Abyssinicus* C. H. Schultz (Bip.) mss. — In Abyssinia circa Adoua fit in monte Selleuda.
2. A. DENTATA A. Rich. 1. c. 384. — Gaule basi suffrutesceme; ramis erectis i'A—2 pedes longis teretibus ramosis hirtis; foliis alternis obovato-lanceolatis subobtusis, basi sensim angustatis, margine grosse et disianter dentatis, vix pilis quibusdam coopersis asperis; capitulis solitariis singulas caulis ramificationes terminantibus; involucri foliolis lanceolatis-linearibus acutis, externo hirtis. — In Abyssinia provincia Ouodgerate.

2300. ASTRALPHIS *Remy.*(Remy in Ann. scienc. nat. [3. Ser.] XII. 185. — *Gusmannia* Remy in Gay, Hist. flisc. de Chile [Dot.] IV. 12.)

Capitulum multiflorum heterogamum radiatum. Involucri biseriati squamae oblongae, inter se subaequales. Receptaculum planum glabrum, non alveolatum nee paleatum, minutissime tuberculatum. Corollae radii ¹gulatae uniseriales femineae, ligula iridentata, disci tubulosae herniaphroditae, limbo quinque-dentato. Stamina filia amenta apice incrassata, antherae alatae ecaudatae. Stylus radii glaberrimus, stylorum disci ^rami oblongo-lineares, apice brevi et obtuso, extus papilloso-puberuli. Achaenia disci et radii subdissimilia, utraque oblonga erostria hispida. ^{Pa}Pappi uniseriales setae aequilongae hispidulae.

1. A. (GUSMANNIA Remy 1. c.) CHILENSIS Remy, Ann. sc. nat. (3Ser.) XII. 185. — Caule simplici vel bifurcato ascendente, pilis paucis hirtis; foliis obovato-oblongo-spathulatis, basi attenuatis obtusatis mucronatis integerrimis, utrinque hirsutis capitulo solitario; involucri squamis lanceolatis acutis, dorso hirsutis; ligulis disco duplo longioribus; acbaeniis hispidis. — Crescit in Chile.

2301. ASTER *IV. ab E.*

(DC. Prodr. V. 226. VII. 272. — Wlprs. Repert. II. 559. VI. 119. ft 716, Anal. I. 405.)

1. A. BOTRYANTHUS C. Koch, Linnaea XXIII. 701. f — Pedalis; caulis foliosus simplex, infero glabriusculus, superne pubescens; folia duriuscula glaberrima integerrima oblonga, ad basin sensim attenuata, inferiora petiolo alato basi latiori paene aequilongo insidentia, suprema brevissime petiolata aut subsessilia, pedunculos pubescentes, vix longiores fulcrantia; caudicia racemum referenda cernua; anthodium glabriusculum; Phyllia integra herbacea oblongo-lanceolata; ligulae videntur rosae. — In Asiae minoris districtu Artahan.
2. A. UIRTUS C. Koch 1. c. f — Caulis simplex, pedem altus, vix ultra, foliaceus hirtus striato-sulcatus; folia palula aut erecta longe oblonga aut elliptica acuta, ad basin at-

tenuala, petiolum referenda, inlegerrima hirta. norvo medio minus simpliciter ramoso insructa, suprcma approximata, calathidia snblria brevissime pedunculata congستا superantia; anlhodii ph\lla subaequalia, exteriora late oblonga birtella, interiora magis minus\e glabi.i nngusiiora; pappus biserialis; achaenia compressa, hirta.—Habitat (in Asia minori?)

3. A. FENDLERI A. Gray, Plant. Fendler. 66. no. 317. — Caulibus spithamacis c caudicc sublignoso plunbus ascendenlibus rigidis parcc hispidulis; ramis corjmboso-pamculalis monoceplialis; foliis sessilibus rigidis coriaceis parvis lineunhus mucronulatis integcrrimis glabris uninerviis, marginibus hispido-cilialis, inflmis subspalhulatis, ramealibus brcvissimis; involucri campanulati squamis triseriatis lineari-oblongis glanduloso-scabrellis mucronulatis, exterioribus herbaceis obtusis lazis, inlerioribus acutis paulo longioribus; achaeniis pubesceniibus. — Habitat in Nova Mexico.
4. A. (?) BEHRII Schblchtd. Linnaea XXI. 44fi. f — Capitulum radiatum (sub-20-do rum), florib. radii ligulalis fertilibus uniseriiftibus. 'diſci pauci.ssimis bermaphroditis 5-denlatis. Receplaculum parvum alveolatum, alveolorum marginibus obtusis. Involucri ſquamae pauciseriales subimbricatae, margine anguste scariosae, exteriores breviores. Achaenium compressum, basi attenualum sulcatum hispidulum. Pappus persistens pluriserialis pilosus, setis scabris acutis, exterioribus minoribus, caeterum inter se aequalibus. Fruticulus hispidulus; foliis allernis spathulatis, inferioribus latioribus, mediis utrinque sursum unidentatis, summis tandem fere in squamas involucri transeuntibus, anguslioribus integerrimis; capitula terminalia pappo mox increscente et involucrum longe superante vix llore videntur, quum ligulae anguslae coeruleae pappo copioso fere abscondantur. — Crescit in Nova Hollandia australi.

Ioones ndden due.

- A. PTARMICOIDES Torr. et Gr. — (Wlprs. Repert. II. 573. no. 119.) — Torr. Flor. of New York I. 349. f tab. 52.
 A. RADULA Ait. — (Wlprs. I. c. 559. no. 3.) — Torr. I. c. 336. f tab. 50.
 A. SPECTABILIS Ait. — (Wlprs. I. c. 560. no. 7.) — Torr. I. f c. tab. 51.

2304A. TOWarSESTDIA Hook.

(DC. Prodr. VII. 272. — Wlprs. Repen. II. 575. ft 957.)

1. T. FEINDLERI A. Gray, Plant. Fendler. 70. no. 337. — Biennis? vel perennis, caulescens, strigoso-incana: foliis linearibus elongalis; squamis involucri lanceolato-oblongis acutiusculis late scariosis cilialis; ligulis lineari-oblongis, involucrum duplo superantibus; pappo II radii minuto squamellalo, disci muliiseioso sctis corollam'acquantibus achacnio sublongioribus. — Grscil in Nova Mexico.
2. T. MEXICANA A. Gray I. c. adn. — Strigoso-incana: caulibus c radice annua seu bienni plurimis (2—3 - uncialibus) caespitosis gracilibus diffusis ramosis; foliis spathulato-linearibus, majoribus nunc 1—2-dentatis; capilulis pedunculatis, primariis longe pedunciffntis ebractcatis; involucri squamis oblongis obtusis biseriatis aequilongis, exterioribus anguste -scarioso-marginatis; ligulis linearibus patenlibus involucrum plus duplo superantibus; pappo II radii coroniformi-multisetoso achaenio quadruplo brevior, sctis teneirimis glochidifato-capitatis, fl. disci e setis ^irc. 24 subulatis inaequalibus minute barbellatis achaenium corollamque vix aequantibus. — Crescit in Mexico.
3. T. EXIMIA A. Gray I. c. no. 310. — Ilirsulo-pubescens: caulibus e radice annua seu bienni crassa ereetis subsimplicibus; folns spalliulato -ublongis oblanceolatisve eras* siusculis ciliatis glabrntis, summis ad capitulu] maximum approximatis eoque saepius brevionibus; squamis involucri ovato-lanceolatis acuminatissimis late scariosis firabriolalo-ciliatis; ligulis (caeruleis vel albis) angusfe linearibus involucrum subduplo superantibus; poppo persistente e paleis craasis cartilagineis uniserialibus basi

concretis coroniformi. fl. radii brevissimo subaequali, disci inaequali, paleis 1—3 in squamellas aristiformes productis, corollam aique achaenium late obovatum callosomarginatum pi. m. non aequantibus. — Crescit in Nova Mexico.

2317. ECRYBIA Cass.

(DC. Prodr. V. 265. VII. 273. - Wlprs. Repert. II. 577.)

- * EU. SUBSPICATA Hook, in Mitchell, Journal of tropical Australia pag. 293. adnot. — Foliis linearibus obtusis, supra glabris, subius ramisque albo-lomentosis; corymbis terminalibus spiciformibus; involucri squamis lineari-oblongis albis, apice viridi-punctatis. — Crescit in Australia orientali tropica.

2320. CALXISTEPHUS Cass.

(DC. Prodr. V. 274. - Wlprs. Annal. I. 406.)

- * C. CONCOLOR Dnzel in Hook. Kew gard. misc. II. 344. f — Radice lignosa perenni, e basi divaricato-ramosn glauca: ramis foliolis adscendenlibus brevibus puberulis; pedunculis ad apices ramorum solitariis monocophalis; foliis radicalibus oblongo-obovatis, apicem versus obtuse serratis vel denutis, caulinis lineari-oblongis, basin versus angustioribus dentatis v. integris, omnibus utrinque glanduloso-punctatis glabris v. minute puberulis; involucri squamis exterioribus linearibus obtusis, interioribus paulo brevioribus erectis foliaceis, dorso glanduloso-punctatis, interioribus linearibus acutis ciliatis. — Herba 4—6-pollicaris. — Habitat in India orientali in provincia Malwan.

2321. DIPIOPAPPIJS DC.

(DC. Prodr. V. 275. VII. 273. — Wlprs. Repert. II. 577. & 957.)

- * ERICOIDES Torr. ft Gray. — Wlprs. Repert. II. 577. no. 2.

P- *hirtella*: foliis laxis linearibus vel inferioribus spatulatis scabro-glandulosis non strigosis valde hispido-ciliatis. (A. Gray, Pl. Fendl. no. 335.) —

2323. UTOTICASTRUM DC.

(DC. Prodr. V. 279.)

- * N. ERECTUM Remy in Gay, Historia flisc. de Chile (Bot.) IV. p. 19. — Ahizomite (Jlviso squamoso: caulibus simplicibus vel bifurcatis, plerumque rectis puberulis: foliis radicalibus oblongo-spathulatis, in petiolum longum attenuatis. remote denticulatis, caulibus 3 linearibus. sessilibus integris. omnibus utrinque hispidis; involucri campanulatis squamis lanceolatis, ligulas aequantibus, dorso sericeis. — Crescit in provincia Chilensi Valdivia.
- * N. ERIOPHORUM Remy 1. cit. IV. p. 20. — Dense incano-lanatum: caulibus humifusis. apice ascendentibus simplicibus vel pauciramosis; foliis radicalibus longis caducis, foliis linearibus oblongo-lineariibus acutis inflexis arcuato-subdeflexis; capitulo oblongo; involucri squamis oblongis, demum glabris, exterioribus obtusis, interioribus acutis, discum aequantibus, radio multo brevioribus. — Crescit in montibus de Yauquil in provincia Chilensi Colchagua.

2332. *ERIOERO* DC.

(DC. Prodr. V. 283. VII. 274. — Wlprs. Repert. II. 579. ft 958. VI. 122. Annal. I. 406.)

1. *E. ELBRUSENSE* Boiss. Diagnos. plant, orient, nov. XI. p. 1. f.—Caespitosum nanum: radice fibris elongatis constant!; foliis praeter margines glabros utrinque glabris viridibus oblongo- vel lineari- spatulatis integris in petiolum attenuatis; caulibus hirsutis monocephalis, ciliis vix longioribus; capitulis e foliis non exsertis; involucri phyllis linearibus, dorso patule papillari-hirsutis, basi viridibus, apice scariosis purpurascensibus acuminatis; floribus femineis omnibus ligulatis pallide roseis subulnis, disco paulo longioribus. — Crescit in schistosis ad lacum alpium Hasartschal in parte occidentali montis Elbrus in Persia.
2. *E. VARIUM* Webb in Hooker, Niger Flora p. 134. f — Suffrutex: ramis divaricatis vel rectis pubescentibus; foliis ovatis innatis oblongisve denatis-serratis, serraturis apiculatis, utrinque pubescentibus, in petiolum brevem basi attenuatis; panicula laxa vel conferta; pedicellis filiformibus hispidis; capitulis parvis; involucri squamis linearibus pubescentibus; pappo rufo denticulato. Ligulis brevissimis discum baud superantibus 2—3-dentatis; lorum hermaphroditorum styli ramis lineari-lanceolatis acutis.— (Ad *Euerigera* pertinet.) — Crescit passim in ins. S. Nicolai, forma major, foliis ovatis, in ins. S. Antonii, forma endemica sed panicula valde conferta, in ins. S. Vincentii, a medio ad apicem Montis Verede, forma parva, foliis oblongis, in ins. S. Antonii, foliis fere linearibus, apice tantum denatis, capitulis minimis.
3. *E. PERSICAEFOLIUM* Benth. in Hooker 1. c. 430. f — Herbaceum elatum glabrum vel apice puberulum: foliis sessilibus subamplexicaulis elongato-lanceolatis acutissimis, remote denticulatis; corymbo composito polycephalo; involucri squamis linearibus aculis marginatis, discum aequantibus; floribus foemineis numerosissimis, disco brevioribus, extimis tenuissime ligulatis, interloribus truncatis subdenatis, centralibus paucis hermaphroditis. — Ad *Trimorphacum* pertinet. — Crescit in insula St. Thomae ad oram Africae tropicae occidentalis.
4. *E. CANUM* A. Gray, Plant. Fendler. 67. no. 332. — Pumilum: caulibus e radice crassa multicapillibus caespitosis. infero foliosissimis monocephalis foliisque lineari-spatulatis integerrimis, undique sericeo-incanis; ligulis albis subuniseriatis involucri albo-hirsutum duplo superantibus; achaeniis glaberrimis; pappo radii et disci conformi duplici, exterfore brevissimo e setis subulato-seiaceis. — Ad *Euerigera* pertinet. — Crescit in Nova Mexico.
5. *E. CINEREUM* A. Gray I. c. 68. no. 333. f — Bienne? undique molliter cinereo-pilosum: caule e basi ramoso; ramis assurgentibus apice longe nudis monocephalis; foliis spatulatis vel lineari-oblongis, basi attenuatis integerrimis seu radicalibus paucidentatis iecisive; ligulis numerosissimis gracilibus (albis nunc purpureo-tinctis) involucri hirsutum duplo superantibus; pappo radii et disci conformi duplici, exteriore coroniformi-squamellato, interiori e setis sub-20 fragilibus deciduis. — Ad *Euerigera* pertinet. — Crescit in Nova Mexico.
6. *E. FLAGELLARE* A. Gray I. c. no. 334. — Bienne (?) striguloso-puberulum, pumilum: caulibus gracillimis e basi ramosis floriferis seu primariis simplicibus, superne aphyllis monocephalis, sterilibus paucibus flagelliformibus; foliis spatulatis mucronulatis, inferioribus in petiolum gracilem attenuatis integris seu radicalibus parce inciso-lobatis, ramealibus parvulis sublobatis sessilibus; ligulis numerosis gracilibus (albis immixto-tinctis) involucri hirsutum duplo superantibus; pappo radii et disci conformi duplici, exteriore coroniformi-squamellato conspicuo, interiori e setis sub-20 fragilibus. — Ad *Trinorphaeam* pertinere videtur. — Crescit in Nova Mexico.

- ?. *E. GAYANUM* Remy in Gay, *Hiatoria de Chile* (Dot.) IV. p. 25. f Caujif caespitoso erecto simplici, apice racemoso; foliis radicalibus confertis oblongo-spathulatis, inferne attenuatis, margine ciliolis glabralisve, caulinis sessilibus linearibus obtusis integerrimis, junioribus margine ciliatia; capituiis circiter sex solitariis pedunculatis; involucri squamis acutiusculis, dorso hispidis coloraiis. — Sectionem hujus et sequentium e diagnosi mala cognoscere nequeo, — Crescit in montibus provinciarum Chilensium centralium.
8. *E. MYOSOTIS* Remy 1. cit. pag. 25. f — HJrsutum: caulibus caespitosis brevibus raonoccephalis; foliis radicalibus subrosulalis oblongo-spathulatis, basi attenuatis, obtusissimis, caulinis sessilibus linearibus, superioribus acutis, omnibus integerrimis; involucri squamis lanceolatis aculis, dorso cano-villosis, apice coloratis, disco sublongioribus. — Grescit in provinces centralibus Chilensibus.
- ». *E. SCORZONERAEFOLIUM* Remy 1. c. p. 27. f — Glaberrimum: rhizomaie herbaceo; caule simplicissimo ascendente monocephalo; foliis radicalibus lineari-lanceolatis, basi subaitenuatis, caulinis paucis semiamplexicaulibus, omnibus inlegerrimis acutis, margine scabriusculis, involucri squamis discum aequantibus, oblongis acutis adpresais, margine subciliatis, ligulis disco duplo longioribus. — Crescit in montibus provinciae Chilensis Talcaregue.

t Icon addenda.

- E. WIGHTII* DC. Prodr. V. 286. no. 21. — Wlprs. Ann. I. 406. — Wght. Spicil. Neilherr. II. tab. 106.

2332A? *PODOGOM4 R. Br.*

(R. Br. in Sturt, *Expedit. Centr. Austr.* II. App. p. 80.)

Involucnim imbricatum, foliolis angustatis acutis. Ligulae pluri-seriales, -angustissimae, foemincae. Flosculi pauciores hermaphrodito-masculi. Ligularum pappus capillaris stipilatus, denliculatus. Receptaculum epaleatum. — Herba humilis, setosa: caule denso; folia petiolala cuneata incisa, setis albis conspersa.

1. **P. CUNEIFOLIA* R. Br. 1. c, 81. — Habitat in Nova Hollandia centrali.

2336/L *PSIIiACTIS A. Gray.*

(A. Gray, *Plant. Fendler.* 71. adn.)

Capitulum multiflorum radiatum heterochromum; fl. radii ligulatis numerosis uniseriatis foemineis, disci tubulosis hermaphroditis. Involucrum disco brevius, e squamis lanceolatis subherbaceis imbricalum 3—4-seriale. Receptaculum convexum subalveolatum. Ligulae 60—80 (ilongatae anguste lineares. Corollae ^isci 5-dentatae. Styli rami breves, appendice triangulari acutiuscula complanata hirtella terjpinati. Achaenia oblonga puberula. Pappus radii nullus, disci pilosus uniserialis, corolla brevior, setis scabris. — Herbae Mexicanae graciles annuae subviscosae erectae ramosae: ramis laxe paniculatis monocephalis; foliis linearibus; capituiis par vis; ligulis caeruleis, disco flavo.

- !• *PS. ASTEROIDES* A. Gray K c. — Ramis capitullsque viscoso-pubescentibus; foliis Integerrimis; involucri squamis lineari-lanceolatis subaequalibus 2—3-seriis laxis; ligulis elongatis; pappo corolla disci paulo brevior e setis circ. 18 fere aequalibus. — Crescit in Mexico.

2. PS. COU[^]TERI A. Gray 1. c. — Subglabra: foliis (ramealibus) rigidiusculis plerisque dentatis; involucri squamis 3—4- seriatim imbricatis inaequalibus oblongo-lanceolatis obtusiusculis vix glandulosis; pappo corolla disci tertio parte brevioris, c. selis circ. 40 valde inaequalibus. — Crescit in Mexico.

2343A. PERITYL.E *Benth.*

(Wlprs. Report. VI. 125.)

1. P. ACMELLA Harv. ft Gray, Plant. Fendl. 77. adnot. — Subglabra: caulibus elongatis decumbentibus; ramulis involucrisque minute glandulosis; foliis plerisque alternis ovalis trifidis, superioribus interdum bastato-lirilobis, lobis lanceolatis oblongisve acutis; receptaculo piano; ligulis oblongis dissepimentis vix superantibus; appendicibus styli oblongo-lanceolatis acutis; pappi arisiis 2 scabris tubum corollae subaequantibus, achaenio oblongo marginibus valde hispido-ciliato dimidio brevioribus.— *Spilanthcs pseudo-acmella* Hook, a- Am. Bot. Beech. 150? — California.
2. P. LEPTOGLOSSA Harv. ft Gray 1. c. — Suffruticosa? spithamaea cinereo-puberula: foliis alternis (an semper?) ovatis subcordatis crenato-incisis denticulatis; receptaculo convexo; ligulis linearibus elongatis (cum tubo filiformi 'A unc. longis); appendicibus styli fl. herm. attenuato-filiformibus; pappo uniaristato, arista nuda corolla disci gracillima brevioris, achaenio lineari-oblongo marginibus breviter hispido-ciliato longiore. — California.
3. P. PLUMIGERA Harv. ft Gray 1. c. — Ramosissima viscido-puberula: foliis (ramealibus) parvis alternis seu oppositis ovatis oblongisve denticulatis; receptaculo convexo; ligulis oblongis involucri excedentibus; styli ramis fl. hermaph. elongatis in appendicem brevem vix dilatam obtusam desinentibus; achaenio oblongo, marginibus villosissimo, pilis squamellis pappi longioribus, arista unica corollam disci aequante, achaenio plus duplo superante, apicem versus parce plumosa. — California.

2345. CALIOTIS *R. Dr.*

(DC. Prodr. V. 302. VII. 275. - Wlprs. Report. VI. 125.)

1. G. SCAPIGERA Hook, in Mitchell. Journal of tropical Australia p. 75. adn. — Stoloni-fera glaberrima: foliis omnibus radicalibus lineari-spathulatis; scapo nudo monochlamydeo; achaenio arisiis robustis subulatis, retrorsum pilosis, upice rectis vel uncinatis. — Crescit in Australia orientali iropica.

2347/., MPL.OSTEL.MA *A. Cray.*

(A. Gray, Plant. Fendl. 72. adn.)

Capitulum multiflorum hemisphaericum radiatum heterochromum, floribus radii uniserialibus foemineis, disci tubulosis hermaphroditis, omnibus fertilibus. Involucri pluriserialis, squamis lineari-oblongis coriaceo-chartaceis subcarinatis, margine scariosis, apice fimbriato-ciliatis, regulariter imbricatis appressis, exterioribus sensim brevioribus. Receptaculum planum nudum. Ligulae circ. 20 elongatae. Corollae disci (plus quam 60) e tubo gracili infundibuliformes, limbo quinquelobo. Styli rami complanati, appendice triangulari acutiuscula terminati. Achaenia oblonga compressa hirtella, radii subtrinervia, disci binervia, nervis marginalibus. Pappus conformis duplex e paleis coriaceis 5 oblongis eroso-

truncatis achaenio brevioribus, et setis capillaribus scabris lotidem cum paleis alternantibus corollam subaequantibus constans. — Herba annua biennisve pumila, *Bellidis* facie, cinereo-hirsuta: caulis e basi simplicibus monocephalis; foliis obovatis vel spatulatis integerrimis, caulibus parvulis; capitulo majusculo; ligulis albis, disco luteo. (Pertinet ad *Bellieas*.)

1. *D. BELLIOIDES A. Gray 1. c. — Mexico ad Buenavista.

2347/a. TACHABTOOEROBT A. Gray.

(A. Gray, Plant. Fendl. 72. adn.)

Capitulum multiflorum radiatum heterochromum, floribus radii ligulatis numerosissimis foemineis, disci tubulosis hermaphroditis. Involucrum subbiseriale; e squamis aequalibus linearibus dorso villosis. Receptaculum convexum subalveolatum. Ligulae circ. 400 elongatae linearitiformes. Corollae disci 5-dentatae. Antherae cuspidato-apiculatae. Styli rami breves, cono brevissimo complanato terminati. Achaenia (immatura) oblonga compressa 4-nervia parce hirtella. Pappus in disco et radio conformis simplex, e paleis 5—6 laciniato-denticulatis basi in coronam achaenio quadruplo reviolem concretis. — Herba perennis hispida, facie *Erigerontis pumili*: caulibus simplicibus monocephalis; ligulis albis, disco flavo. (Pertinet ad *Bellieas*.)

1. 'A. WISLIZENI A. Gray 1. c. — Mexico.

2347/3. DICHAE TOPHORA A. Gray.

(A. Gray, Plant. Fendl. 73. adn.)

Capitulum multiflorum radiatum heterochromum, floribus radii ligulatis uniseriatis foemineis, disci tubulosis hermaphroditis. Involucrum subuniseriale disco brevius, squamis aequalibus linearilanceolatis herbaccis, margine subscariosis. Receptaculum ovato-conicum nudum. Ligulae 16—20 oblongo-lineares. Corollae disci quinquidentatae. Styli rami appendice triangulari lanceolata complanata terminati. Achaenia (lateraliter) piano-compressa, ala suborbiculari cincta, marginibus cum disco pilis glochidiatis hispidissima. Pappus radii et disci conformis, e squamellis minimis paucis (8—10) basi coroniformi-subconcretis, et setis tenellis subulatis achaenio dimidio brevioribus constans. — Herba annua pumila caulescens pilosa, *Bellidis integrifoliae* facie: caulibus diffusis apice oculo nonocephalis; foliis spatulatis integerrimis; ligulis albis roseisve, disco flavo. (Pertinet ad *Bellieas*.)

1* *D. CAMPESTRIS A. Gray J. c. adn. — *Brachyome xanthocomoides* Torr. 't Gr. Fl. N. Am. I. 190. — Mexico.

2348. BELXIS Linn.

(DC. Prodr. V. 304. VII. 276. — Wlprs. Report. II. 684. & 958. VI. 125.;

* B. LONGIFOLIA Boies, a Heldr. Diagn. plant orient, nov. XI. p. 1. + _ Perennis: radice fibris cylindricis tenuibus longis nuraerosis constant!; foliis uninerviis parce el adpressiuscule hirsutis linearispathulatis elongatis obtusis, utrinque versus apicem

2—4 denticulis minutissimis ascendentibus acutis obsilis; scapis folia 2—3-plo superantibus hirtulis; involucri phyllis nigris ellipticis oblusis, basi parce et adpresse albohirtis; ligulis pallido roseis, involucri sesquialongioribus; acbaenio compresso obovato obtusissimo, margine crasso cinereo. — Crescit in monte Cavouts provinciae Siliæ Crætae alt. 5000 ped.

2353. UEYRIACTIS *Less.*

(DC. Prodr. V. 308. - Wlprs. Annal. I. 406.)

1. *M. WIGHTII DC. I. c. ft Wlprs. 1. c. — Wght. Spicil. Neilherr. II. tab. 107.

2355. HEBLIA DC.

(DC. Prodr. V. 309. VII. 278.)

1. K. BELLIDIFOLIA Gray ft Engelm. Bost. Journ. of nat. hist VI. 220. — Annuæ ruffula lirsutulo-pubescens: caulibus foliosis dichotomo-ramosis; ramis ramulisque monocephalis; foliis spalhulatis obtusis mucronulatis integerrimis, summis sublinearibus, omnibus inferius attenuatis, radicalibus obovatis petiolatis; involucri campanulae squamis bisequalibus oblongis membranaceis nitidis mucronato-acuminatis, marginibus late scariosis; ligulis (cyaneis) 9—14 lineari-oblongis; II. disci plus quam 20 plerisque fertilibus; acbaeniis clavato-fusiformibus vix compressis 7—9-nerviis hirtellis coronula integra, saepius obsoleta superatis. — Crescit in republica Texensi.
2. K. EFFUSA Gray I. c. 222. — Perennis? caule virgato, ad apicem usque folioso hirsuto; foliis utrinque hispidis oblongis oblusis integerrimis, e basi lata arete sessilibus, inferius subnaphulatis basi attenuatis, costa supra impressa, subius prominula; panicula decomposita patentissima, ramulis pedunculisque filiformibus; bracteis minimis subulatis; involucri turbinati squamis gradatim imbricatis oblongis, marginibus scariosis, oblusissimis cuspidato-mucronatis; ligulis albis 5—7 oblongis; fl. disci 7—10 sterilibus; acbaeniis radii piano-compressis ovalibus callosis marginatis ad marginem praesertim hirtollis, faciebus fere enerviis, apice acutatis, pappo minimo scleroso-coroniformi superatis. disci omnibus abortivis gracilibus, pappo ul in radio. — Crescit in republica Texensi.

2361. BRACHYRIS DC.

(DC. Prodr. V. 312. VII. 278. - Wlprs. Reperl. II. 585.)

1. *BR. DRACUNCULOIDES DC. Prodr. V. 313. — A. Cray, Bost. Journ. of nat. hist. VI. 224. — *Gutierrezia Lindheimeriana* Scheele, *Linnaea* XXII. 351.
2. *BR. PAMCULATA DC. Prodr. V. 313. — Remy mss. in Gay, *Historia de Chile* (Bot.) IV. 34. — *Odontocarpa Poeppigii* DC. I. c. 72. no. 1.
3. BR. GAYANA Remy in Gay I. c. 36. f. tab. 44. — Caule suffruticoso ramoso viscoso, minutissime nigro-tuberculato; foliis linearibus integerrimis glabris, utrinque impresso-punctatis; capitulis globosis; involucri squamis late ovalibus acuminatis, margine scarioso-membranaceis. apice viridibus; pappi paleis ellipticis obtusissimis. — *Odontocarpa Gayana* Remy. — In Chili ad Coquimbo.

2364. *CHOTDEILA Willd.*

(DC. Prodr. V. 314. VII. 278. — Wlprs. Repert. II. 585. ft 958.)

1. * GR. SQUARROSA Dun. — DC. Prodr., V. 315. no. 2. — A. Gray. Bost. Journ. of Nat. Hist. VI. 223. — *Gr. Texana* Schoele, *Linnaea* XXI. 60.

2370. *BTIDORKIILA Cass.*

(DC. Prodr. V. 321.)

1. N. VERNONIOIDES C. H. Schultz. (Dip.) mss. ex A. Rich. Tent. (I. Abyss. I. 384. — Suffrutescens: ramis teretibus pubentibus; foliis approximatis subsessilibus oblongo-lanceolatis aculissimis, basi censim angustatis, margine serratis, superne hirtis, subtus subgriseo-tomentosis, 5—7 uncias longis, 6—18 lineas latis; capitulis parvulis luteis numerosissimis in cymas scorpioldeas, corymbum terminalem et cymas dispositis; involucri squamis erectis lanceolatis aculis, dorso incrassatis et pilosis; radiis foemineis pluriserialibus angustissimis erectis, involucrum non superantibus; achaeniis compressis subangulatis sericeis. — In Abyssinae prov. Semieno.

2373. *CHRYSOPSIS Nutt.*

(DC. Prodr. V. 326. VII. 279. — Wlprs. Repert. II. 588. ft 959. VI. 128.)

- * CHR. FALCATA Ell. — DC. Prodr. V. 327. no. 4. — Torr. Flor. of New York I. 367. t tab. 56.

2376. *SOLIDAGO Linn.*

(DC. Prodr. V. 330. VII. 279. — Wlprs. Repert. II. 589. ft 960. VI. 129.)

- £ S. SPECIOSA Nutt. — Wlprs. Repert. II. 962. no. 20. — A. Gray, Bost. Journ. of Nat. Hist. VI. 222. — *S. Lindheimeriana* Scheele, *Linnaea* XXI. 599.
1. S. CYLINDRICA Scheele, *Linnaea* XXI. 600. f — Caulis herbaceus erectus simplex loricatus, infra glaber, superne pubescens. Folia utrinque alienata acuta uninerviata reticulato-venosa glabra, margine ciliolato-scabra decrescentia, inferiora obovato-lanceolato-spathulata in petiolum angustata, apicem versus adpressae pauciserrata, superiora oblanceolata integerrima. Racemi axillares brevissimi 2—3-flori spicam interruptam terminalem cylindricam formantes. Pedunculi pubescentes capitulo breviores. Capitula majuscula. Involucrum turbinatum disco brevius imbricatum 4-seriale, bracteis bractiolarum, squamae appressae membranaceae carinatae oblusae glanduloso-puberulae nervo et apice virides, exteriores breviores oblongae, interiores longiores lineares. Ligulae 5—8 disco longiores oblongo-lanceolatae subrevolutae. Flosculi discoidales 14—15 tubiflori pappum aequantes, dentes ovato-lanceolati. Styli rari lanceolati obtusi. Achaenia cylindrica angulata striata glabra pappo breviora. Pappus simplex pilosus, radii numerosi candidi aequales serrulato-scabri. — Crescit in Virginia.
3. S. OBOVATA Berol. Misc. bot.-VH.... c. ic. ex Schlicht. Bot. Ztg. IX. 900. — Caule aereo puberulo: foliis scabris. inferioribus obovatis acute inaequaliter serratis, superioribus oblongo-lanceolatis subintegris; racemo elongato anguste interrupto, partibus erectis subcorymbosis bractea longioribus; cephalis exiguis sub-10-radiatis.
- P. racemulii inferioribus longiusculis spicaefloribus. — Valde affinis *S. lepidae*
- ^DC. Prodr. V. 339. no. 70. — Alabama.

4. *S. GCMSTOIDES* Dcrol 1 c. c. ic ex Schld I. c — Glabra caule erecto simplici, folis subconatis lanceolatis aculis iniegernis uninervis, margine scabris, supenobus mmonibus sessilibus racemo angu&to, pm lialibus brevibus paucifloris erectis, squamis olalln obusis, ligulis radialibus subsems, disco paullum longioribus — Media inter *S. stntfam* CL *crectam* DC. 1 c 340. no 82 ft 83. — Alabama

t *Leone*§ addendae*

5. *OHIOLNSIS* Ridd — (Wlprs Reprt II 963. no 30) — Torr Flor. of New York I 360 tab 54
5. *STRICTA* Ait — (Wlprs. 1 c %2 no 19.) — Torr. 1. c. 358. lab 53

2381 HAPLOPAPPIJ8 *Cass.*

(DC. Prodr V 345 VII 279 — Wlprs Reperl II 592 ft 967 VI 130 ft 719, Annal I 408)

- 1 II (*.nac/iaemum*) RA\LAHLEN Remy in Gaj,**Histona flsica de Chile (Bot) IV* p 42. f — Glutinosus glaberrimus caule ramisrue tonuiter silicons, folis obovah-spathulatis conaceis semiamplexicaulibus uncmato-dentatis capitulis apice ramorum elongatorum solitarus involucri rmpaiulati Miami* exlimis. foliaceis inlimis lanceolato-ligeanbus. acummtis scniio*is, ligulas superantibus, achaennis glaberrimis — Crescit in montibus excels!-* pio\incine Clulensis Coquimbo
- 2 II RI NGIFOANUS Hemy 1 c pag 43 f — Fruticosus ramosus glaberrimus. ramis dense foliosis, apice mono—tiicplialis. folis obovalibus subdecurrendibus, serratis v. ranub subduplicato - senatis, capitula obtogentibus involucri subglobosi squamis oblongis Oblusissimis, ligulas superantibus, disco brevioribus, antheris longo ezsertis — Crescit in provintus Clulensibus Coquimbo, Colcbagua etc
- 3 II RADICANS Re my 1 c p 45 f — Fruticosus caule prostialo. admodum radicanie. ramis brevibus ascendentibus, basi dense foliosis, in pedunculum nudum hispidum Irtonocephalum productii loins subimbricatis obovali-spathulatis aculis, apice spiqoso-serratis, basi margibus saepe ciliatis glabris, involucri campanulati squamis paucisenalibus linean-lanceolatis acummtatis acutis, dorso puberulo-glandulosis, radio brevioribus, achaenus glabris multicostatis — Ciescil in republica Clulensi
- 4 H. LASTARRIANUS Remy I c p 45 f - Caule e basi ramo^o lamis subsinatulis glulmoso-viscosis glabris inonocephalis, apice nudis, folis obovali - spathulatis senil-auplezicaiihbus, npice lotundato apiculatis uc reniliuiculo deniiculatis, glabris glanduloso-viscosis capitulo magio, involucri campanulati squamis cxienoiibus lalis sublobiateis>, inttuonibus lanceolato-linoubus maigine nicmbranaccis acutis vacbaennis glaberrimis — Crescit in (hjlc
- 5 H (*Dlephaiodon*) AURBUS A. Gray, Plant Fendl 76 adn f — Humilis, minute viscoso-glandulosu!>, pnmum subaracmoideus caulibus o radice perenni? adsurgentibus diirusis, ramis ramulisve apice coronosis monoccpbalis, foliis anguste linoanbus scabudo-glandulosis sciigero-mucronalis, lobis dentibusve setigeris iltrinque 1—4 instructis, suinmis intogciimimis capitulis nudis, in\olucu bemispliaeiici squamis oblongis plunseuaiis tppressis, apico bievi oblusiusculo herbaccis muccis, intimis scanosis acutis discum subaequantibus, receptaculo alveolaiQ-flmbnllifeio, achaenus brevibus turbinatis villosissimis, pappo albo o setis circiter 10 validioribus coillam subaequantibus ot 20—30 sensim mmoibus, omnibus ngidis constante. — Crescit In republica Tceiibi pi ope Hereslon
6. II (*Luhaplopappun*) DUSTILLOSIAMJS Remy 1. c p 49. f — Fiuticosus ramis glabris sinatulis, inferne dense foliosis, superne nudis, folis oblongo-lanceolatis obtusis

- nculisve, basi angustatis, glabris serratis, serraturis saepe piligeris, utrinque venis prominulis; pedunculi bracteis subulatis; involucri squamis lanceolatis acutis, exterioribus herbaceis, interioribus scariosis, radio multo brevioribus. — Crescit in provinciis Chilensibus Yaldivia, Osorno, Ranco etc.
- ⁷ H. SGAPOSUS Remy 1. c. p. 50. f — Gaule fruticuloso breviter raro; ramis brevibus, in pedunculum longura scapiformem bifoliosum productis; foliis rosulatis obovato-oblongis, basi longe attenuatis acutis serratis, serraturis apice spiniformibus; involucri icinispheerici squamis aequilongis lanceolato-linearibus acutissimis herbaceis. — Crescit in Chile.
- ⁸ H. PEDUNCULOSUS Remy 1. c. p. 51. f — Gaule ramosa; ramis in pedunculos longos monocephalos strictos numerosos evnoidis; foliis linearibus acutis, inferioribus remote dentatis vel subpinnatifidis, caeteris integris glabris, margine brevissime ciliatis, pedunculorum bracteis angustis; involucri obconici squamis linearibus acuminatis, margine scariosis, disco pinnulatum radioque brevioribus. — Crescit in Chilensi provincia Colchagua.
- ⁹ H. STELUGER Remy 1. c. p. 52. f — Suffruticosus: caule ramosissimo; ramis erectis rigidis foliisque pilis tellatis glutinosis lucescentibusque munitis; foliis praesertim basi ramorum subimbricatis lanceolatis acutis, oculo armato bullulatis serratis; capitulis apice ramorum solitariis; involucri oblongi squamis scariosis obtusis submucronatis; achaeniis parce pilosis. — Crescit in Chilensi provincia Coquimbo.
- *¹⁰ II ARBUTOIDES Remy 1. c. p. 53. f — Fruticulosus: ramis cylindricis parce biapicatis, basi lanugine foliatis, in pedunculum nudum glabrumque prolongatis; foliis obovatis, basi attenuatis serratis glabris; capitulis solitariis; involucri campanulati squamis linearibus lanceolatis acutis, disco longitudine, radio multo brevioribus. — Crescit in montibus Chilensibus Ovalle provinciae Coquimbo.
- H. H. DENSIFOLIUS Remy 1. c. p. 53. f — Suffruticosus humilis: ramis brevibus dense foliosis; pedunculis brevibus subnudis monocephalis, foliis obovato-cuneatis, basi attenuatis, apice rotundato-crenatis glabris; involucri campanulati squamis pauciserialibus linearibus lanceolatis acutis, margine scariosis, dorso glandulosis, radio multo, disco paulo brevioribus. — Crescit in montibus Ovalle provinciae Chilensis.
- ¹² H. ILICIFOLIUS Remy 1. c. p. 55. f — Caulo paniculato ramoso; ramis glutinoso-pubescentibus mono-tricephalis; foliis ovali-ellipticis sessilibus decurrentibus uniseriatis serratis glabris; involucri campanulati squamis oblongo-linearibus obtusis, dorso viscosis, margine membranaceis, radio multo brevioribus, disco superontibus. — Crescit in provinciis Chilensibus.
- *³ H. DIPLOPAPPUS Remy 1. c. p. 56. f — Fruticulosus: caule ramosissimo radicante; ramis monocephalis, apice subnudis glabris; foliis basi ramorum subconfertis oblongo-spaiulatis acutis, acute serratis, basi attenuatis integris sed margine plerumque ciliatis, utrinque glabris; involucri campanulati squamis lanceolatis acuminatis acutis, integris vel apice sublaceris, radio multo brevioribus. — Crescit in summis montibus provinciae Talcahue prope nivem perpetuam.
- ¹⁴ U. VELUTINUS Remy 1. c. p. 57. f — Fruticulosus: ramis elongatis, superne nudis cauleque hirtellis; foliis ellipticis obtusissimis, basi breviter attenuatis, acute dentatis, utrinque tenuissime velutinis; bracteis pedunculorum linearibus acutis brevibus; involucri turbinati squamis lanceolatis linearibus acuminatis, extus glabris, radio caduco brevioribus. — Crescit in Chilensi provincia Colchagua monti WI alt. 8—9000 Pe.l.
- ¹⁵ U. OECURRENS Remy 1. cit. pag. 58. f — Caule ramo terotico strato hirsuto; ramis monocephalis: folia oblongis serratis vel duplicato-serratis, utrinque hispidulis, inferioribus in petiolum attenuatis, superioribus sessilibus decurrentibus; involucri subglobosi squamis lanceolatis acutis, dorso hispidiusculis, interioribus margine scarioso-laceris. — Crescit in provinciis centralibus et septentrionalibus provinciae Chilensis.

Sect. VII. *ACAMPTOPAPPUS* A. Gray, Pl. Fcndl. p. 76. adn. — Ligulae nullae; squamae involucri hemisphaerici pauciserialis oblongae obtusissimae, marginibus sphacelato-scariosae; pappus achaeniund et corollam vix adaequans, e selis 20—30 rigidis inaequalibus, majoribus complanatis sursum clavellato-incrassatis constans.

16. II. *SPHAEROCEPHALUS* A. Gray. Plant. Fcndl. ^76. adn. — Fruiicosa? glabra: foliis caulinis ignotis, ramealibus parvis rigidis linearibus uninerviis sessilibus; capitulis (4—5 lin. diam.) 30—40-lloris corymbosis brvciier pedunculntis; alveolis receptaculi denialis; achaenio turbinato sericeo-villosiss-mo. — Habitat in California.

2382. *PIBRHOCO* ^i *Hook.*

(DC. Prodr V. 350. — Wlprs. Ropert. H. 593. ft 969, Annal. I. 408.)

§. 1. *Stichoides.* — *Capitulis spicatis.*

1. *P. MACRAE* AN A Remy in Gay, Historia flsica de Chile (Boi.) IV. p.64.f — Caule erecto lereti; ramis junioribus albo-tomenosis; foliis oblongis, utrinque puberulis. gressa acuteque dentatis, inferioribu9 ramealibus in petiolum scmiamplexicaulem attenuatés. superioribus sessilibus; capitulis subsessilibus; involucri squamis oblongo - linearibus obtusis, demum glabratiss; acliaeniis. . . .? — Crescit in rnotibus Chilens. de la Serena.
2. *P. SAXATILIS* Remy 1. cit. pag. 64. f — Caule fruticoso ere eta, paniculatim ramoso viscoso-puberulo, demum laevigato; ramis glabriusculis; foliis oblongis sessilibus acutis, utrinque denies arcuatos exserlos aculosqud gerentibus, glabris; capitulis sessilibus; involucri squamis oblongo - linearibus acutis glabralis; acliaeniis hispidiusculi** — Crescit in Chilensi provincia St. Jago, in monlibus de Polpayco.
3. *P. PRISTIPHYLLA* Remy 1. cit. pag. 65. f — Caule erecto. simplici vel ramoso his^ pido - glanduloso; foliis infimis lanceolatis sessilibus acuminato - acutis deflciiis, acutfl serratis, dense irabricalis, caeteris alternis brevioribus, omnibus margine ciliatulis»r pagina ulraque glabris; capitulis sessilibus; involucro foliis extremis calyculato, squff' mis oblongo-lanceolatis acuminatis aculis, dorso glandulosis glabris; achaeniis hispi* dis. — Crescit in provinces Chilensibus centralibus.
4. *P. BEZANJLLANA* Reray 1. cit. pag. 65. f — Frutjcosa: ramis elongatis hirtellis glU. tinosis; foliis oblongo - lanceolatis acutis, inferne anguslatis, integris vel a medio *»< apicem usque remotiuscule serrulatis, margine hispidiusculis, utrinque viscosis; capi* tulis sessilibus; involucri campanulati squamis exierioribus oblusis, interioribus acutiV margine membranaceis; achaeniis villosos-sericeis. — Crescit in Chile centrali.

§. 2. *Haplopappoides.* — *Capitulis solitariim.*

5. *P. CERBEROANA* Reray 1. cit. pag. 66. f — Frutescens ramosissima glabra: rataI* gracilibus erectis; foliis oblongo -cuneaiis oblusis, utrinque 3—4 denies grossos Bf\$ rentibus, glandulosis, supremis linearibus; capitulis apice ramorum solitariis; invohicn-campanulatf^quamis oblusis, margine membranaceis, apice vjridenti glandulosi*» achaeeniis pubescentibus. — Crescil JU provinciis seplenrionalibus reip. Chilensis. ^
6. *P. ILICIFOLIA* Remy 1. cit. pag. 67. f — Caule cylindrato, dense folioso; ramis g^{1*0}§ dulosis, in pedunculos subnudosque evanidis monocephalis; foliis sessflibus *^*^ ellipticis rigidis, grosse acuteque dentatis glaberrimis viscosis; involucri campanuJ*^1) .squamw oblongis trinerviis, margine scariosis, dorso glandulosis, exterioribus o W1 ^ y^imucronaiis, interioribus acutis; achaeniis sericeo-villosis. — Crescit in monlibus C^J Jensibus de San Fernando.

2383. *LISSIA WIA Cham.*

(DC. Prodr. V. 351. — A. Gray in Dulh. Pl. Hartw. p. 315.)

8- 1. Capitula 18—25-flora; styli rami truncati v. ex apice penicillata appendice setiformi aucti.

*Corollae radii pleraeque palmatae explanatae radiiformes; involucri obconici squamae apice herbaceae squarrosae.*¹ *L. GERMANORUM Cham. — DC. 1. c.² **Corollae radii amplialae subregulariter 5-lobae; involucri cylindranei squamae apice leviter herbaceae ft appressae.*

² L. RAMULOSA[^]. Gray in Bnth. Pl. Hartw. 314. no. 1769. — Pumila: foliis inferioribus confertis sessilibus ovatis integris 1—3-nerviis, supra niveo-lanatis, subtus viscosis viridibus, ramulis gracilibus 1—3-cephalis; capitulis subcylindraneis; involucri squamis pluriserialibus, apice virentibus subaquinosis, interioribus discum aequantibus; corollis radii regulariter quinquelobis. — Herba 4—5-pollicaris erecta (annual), radice subfusiformi. Caulis basi durus, foliorum basi dense obteclus usque ad origines ramorum. Folia radicalia et inferiora confertis aequalia, ovata et integra videntur, sed omnia in speciminibus jam semidestructa, media ad origines ramorum ovato-oblonga sessilia vel semiamplexicaulia, 3—6 lin. longa. complicate mucronato-angustata, costa valida subms prominula, margins integerrima rigidula, superiora in ramulis minora remota, omnia supra lana mollissima copiosa nivea vestita, subtus viscidulo-pubescentia. Rami 4—5-pollicares siraplices et monocephali vel superne divisi in ramulos 2—3 monocephalos. Capitula 4 lin. longa, 10—15-flora. Involucri squarrosae 4—5-seriates valde inaequales. intimae lineares fere ad apicem scariosae, versus apicem coloratae et acutae. exteriores gradatim breviores oblongae, apice recurvantes puberulae et acutae, summo apice saepe magis minusve squarrosae. Receptaculum angustum alveolatum. Corollae radii et disci omnes tubulosae quinquelobae, lineae parum amplialae, tubus tenuis, lacinae angustae patentes. tubo fere aequilongae. Antheris ut in generibus affinis induplicato-valvatae. Stylus rami superne latiores, apice penicillati, appendice setiformi. Achaenia turbinate sericeo-villosa, pappo rudis, setis scabriusculis valde inaequalibus. — Crescit in planitie prope Lonora et Pismo San Rafael in California.

³ L. NANA A. Gray in Bnth. 1 c. 315. — Undique lanata depressa annua: caulibus confertis caespitosis folia radicalia spatulata vix superantibus; capitulis majusculis intra folia caulina oblongo-linearibus imbricatis sessilibus; involucri squamae chartaceis marginate scariosis. interioribus cuspidato-acuminatis subspinescentibus, discum aequantibus. — Caules 1—2-pollicares. Corollae parum conspicuae. Stylus *Lesningiae Germanorum*, penicillo tamen brevissimo. — Crescit in California prope Nueva Helvetia.

⁴ 2. Capitula cylindranea 5—7-flora; corollae regulariter quinquelobae; styli rami appendice longa subulata, basi valde hinc terminati.

⁴ L. VIRGATA A. Gray in Bnth. I. c. — Dense floccoso-lanata, demum virentia: caule erecto; ramis virgatis tenuibus; foliis seminamplexicaulibus obtusis vel inferioribus spatulatis integerrimis, summis brevibus sessilibus concavis adpressis subsagittatis; capitulis ad axillam foliorum floralium sessilibus solitariis, in spicas elongatas virgatas dispositis; involucri squamis muticis; pappo corolla multo brevior. — Caules bipedales. Folia floralia capitula subaequantia. — Crescit in California prope Nueva Helvetia.

2384. **MUTOSYRIS** *Lohcl.*

(DC. Prodr. V. 351. VII. 280. — Wlprs. Report. II. 593. flt 969.)

1. L. TAKBAGATENSIS C. Koch, Linnæa XXIII. 703. f — Canescens, pluricaulis: caulis stunc erectus pedalis sulralus simplex; folia lineari-oblonga brevissimo petiolo aut subsessilia, integerrima patula; corymbus corymbo^itus, radiis foliis minoribus dense vestitis; pedicelli brevissimi pulverulento-canescens; calathidia subquinciflora discoides, omnia hermaphrodita; antheridium imbricatum minus pulverulento-canescens, pappi ovales, brunneo-baccosus, inferioribus acutiusculis, superioribus obtusissimis; pappus sordide flavescens pluriserialis; acbenia hirsuta. — *P. latifolia radiata.* — In Ciscaucasia habitat.

2396. **MCHROCJERIAL, V DC.**

(DC. Prodr. V. 371. — Wlprs. Annal. I. 409.)

1. D. SCHMIDH Wght. Icon, plant, tab. 1610.— Procumbens diffuse ramosa glabra: foliis obovato-cuneatis, apice denticulatis; capitulis globosis axillaribus terminalibusque sessilibus. — In India orientali (Neilgherries).
2. D. ABYSSINICA C. H. Schultz (Dip.) mss. ex A. Rich. Tent. n. Abyss. I. 385. — Caule herbaceo pedali tereti stnato piloso, apice ramoso; foliis inciso-lyratis, pinnatifidis inaequaliter et grosse dentatis, caulibus supremis angustis aculis, utrinque praesertim subulsi in nervis bibrlo-pilosis; capitulis globosis majonbu? et paucioribus, ramifloris tione ramorum terminantibus. — In Abyssiniae monte Sellcoda.

f loon addenda.

- D. CHRYSANTHEMIFOLIA DC. 1. c. 372. no. 5. — Wlprs. 1. c. — Wght. Spicil. Neilgh. II, tab. 108.

Subtribus II. **BACCHARIDEAE** DC. Prodr. V. 368.2405. **COHRZA** *Less,*

(DC. Prodr. V. 377. VII. 281. — Wlprs. Repert. II. 971. VI. 133. fit 720, Annal. I. 409.)

1. C. SCIMPRI C. H. Schultz (Dip.) mss. ex A. Rich. Tent. n. Abyss. I. 386. — Caul* basi suQYulescente ramoso; ramis teretibus hirlo-tomentosis, cinereis; foliis alterai⁰ parvulis approximalis inciso-pinnatifidis, aculis hirtis griseis asperis; epitulis p&^{1#} vulis cymam bifidam scorpioidem terminalem ellormanlibus; involucri squamis lan^o ccolalis aculis externe hirtis ciliatis; pappo pallido. — In Abyssinia prope Adoua.
2. C. LEUCOPHYLLA C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Fruiescens. to» la^o cana: caule credo lereti ramoso; ramis rectis; folis allernis confertis angustis pinnatifidis, lobis^o w^otissimis arcuatis parvis incano-tomentosis; capitulis cymosis corym^o bum terminHframosum conierlum efformantibus; involucri foliolis Janceolalis, 6X^o term's lanato-gossypims; achaeniis angustis coraprcssis sencis. — In Abyssiniae P^ovinciis Choa 8c Semicne.
3. C. MACRORHIZA C. H. Schultz (Bip.) mss. ex A. Rich. I. c. 387. *- Caule ima basi suffu^o tescente, erecto bipedali ramoso, apice corymboso tereti, dense pubente; foliis aliter^o nis, inferioribus spatulalis obtusis dentatis, basi longe et anguste attenualis, modii^o

- oblongis sessilibus semiamplexicaulibus angustis, apice saepius trifido-digitalis, supremis angustis integris, omnibus utrinque hirtis cinereis; capitulis minimis luteis corymbum ramostim multiflorum circumstantibus; involucri laciniis externis lanceolatis acutissimis, hirtis-glandulosis; achaeniis compressis angustis subsericeis. — In Abyssinia prope Adoua.
4. C. HIOCHSTETTERI C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Caule herbaceo spithamaeo aut vix petalali, erecto simpliciusculo tereti hirtis; foliis alternis, inferioribus in petiolum attenuatis ellipticis acutis aut suboblusis, superioribus sessilibus semiamplexicaulibus auriculato-cordatis oblongis aut oblongo-lanceolatis acutis, in parte superiori serratis, utrinque piloso-hirtis; cyma scorpioidea terminali; involucri squamis oblongis acutiusculis, externae longe pilosis; achaeniis compressis vix sericis. — In Abyssinia prope Adoua.
5. c. ECHINOIDES A. Rich. 1. c. 388. — Gaule herbaceo erecto parce ramoso, pedali aut sesquipedali, hirtis; foliis alternis distantibus, caulibus oblongo-linearibus sessilibus semiamplexicaulibus cordatis, apice obtusiusculis, margine inaequaliter dentato-crenatis, utrinque hirtis; capitulis cymis simplicibus aut dichotomis scorpioideas efformantibus; involucri squamis lanceolatis acutis, dorso piloso-hirtis; achaeniis compressis puberulis, pappo subfulvo. — In Abyssinia prope Adoua.
6. C. STEUDELII C. H. Schultz (Dip.) mss. ex A. Rich. 1. c. — Caule erecto ramoso infra basi suffruticose, sesquipedali tereti puberulo; foliis inferioribus ovalibus petiolatis acutis, dirigente serratis, intermediis paulo angustioribus, petiolo alato basi semiamplexicauli dilatato et auriculato-cordato, supremis sessilibus oblongis, basi cordatis, omnibus pilosis; capitulis cymis scorpioideam simplicem aut geminam constituentibus; involucri squamis lanceolatis acutis pilis longis conspersis; achaeniis oblongis compressis glabris, incrassato-marginatis. — In Abyssinia prov. Tcheleukote.
7. c. VAUIEGATA C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Spithamaea: caule simpliciter paucifolio; foliis radicalibus spatulatis obtusis aut acutis, basi in petiolum integre desinentibus, caulibus semiamplexicaulibus spatulato-oblongis, duobus supremis sessilibus lanceolatis acutis, basi dilatatis, margine subdentatis, utrinque pilosis; capitulis 4—5 subsessilibus et in apice caulibus congestis; involucri squamis lanceolatis acutis, margine tenuibus purpuris, dorso crassioribus; achaeniis oblongis compressis sericis. — In Abyssinia prope Deinerki.
8. c. VRRJIOPAPPA C. H. Schultz (Bip.) mss. ex H. Rich. 1. c. 389. — Caule ramoso; ramis teretibus punctato-hirtis ramoso-corymbosis; foliis alternis elliptico-lanceolatis acutis, basi longiuscule angustatis, hinc et illinc dentibus 2—4 acutis distalibus notatis superne subiusque hirtis-asperis, caulis parvis luteis corymbum maximum nudum constituentibus; involucri squamis lanceolatis acutis, externis dorso hirtis; achaeniis ovoideis compressis hirtellis, pappo fulvo. — In Abyssinia.
9. c. NAPHALIOIDES C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Caule basi repente; ramis ascendens hirtis. 3—10 uncias altis; foliis angustis lanceolatis acutis, basi angustatis et semiamplexicaulibus, integris, remote aut approximate-serratis hirtellis; cymis scorpioideam paucifloram efformantibus; involucri squamis oblongis acutis ciliatis hirtellis; achaeniis compressis oblongis margine incrassato-marginatis, pappo pallido. — In Abyssinia prope Adoua.
10. c. ABYSSINICA C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. 390. — Caule erecto tereti, apice corymboso, hirtis aspero bipedali foliis sessilibus oblongo-lanceolatis acutis inferioribus serratis, basi auriculato-cordatis semiamplexicaulibus, utrinque hirtis; cymis scorpioideis corymbum subfoliosum compositum constituentibus; involucri squamis linearibus acutis, externis glanduloso-scabris; achaeniis oblongis compressis incrassato-marginatis subhirtis, pappo pallide fulvo. — In Abyssinia prope Adoua.

11. *C. BACCHAROIDES* C. H. Schultz (Dip.) mss. ex A. Rich. 1. c. — Caule ligooso ramoso; ramis torctibus pubentibus; foliis allernis clliptico-oblongis parvulis aculis, basi attenuatis, margine inaequaliter et sacpius distanter denticulatis, utrinque dense pubenlibus; cjmis scorpioideis, corymbiim parvum terminalcm efformantibus; involucri squamis ovali-oblongis acuiissimis glabriusculis; achacniis oblongis anguslis compressis, glabris, pappi selis pallidis paucis, circiter 10—12-nis. — In Abyssinia prope Adoua.
12. *C. HYPOLEUCA* A. Rich. 1. c. 391. — Caule frutescente ramoso; ramis terelibus albidolomenosis; foliis altrnis approximatis clliptico-oblongis aut lanceolatis acutis basi scnsim in peiololum brevera attenuatis, margine distanier dentalis, superne pallide viridibus glabris, subtus incano-tomentosis; capilulis parvulis in apice ramulorum corymbuni teiminalcm efflbrmaniibus; involucri squamis oblongo-lanceolatis tomentosis ciliatisque; achaeniis compressis incrassato-marginatis pubentibus. — In Abyssinia prov. Ouodgerate.
13. *C. PANNOSA* B. Webb in Hook. Niger Flora 135. — Caule lignescente erecto piloso; foliis junionbus setosis grosse crenato-dentatis, inferioribus petiolalis, superioribus basi attcnualis scssilibus dentibus usque ad caulcm prolraotis; panicula corymbosa cymosa; pedunculis pedicellisque hirsuto-pubescentibus: involucri squamis linearibus vel lineari-lanceolatis, apice npiculatis, margine scariosis glabresconlibus, pappo rufulo subscabro brevioribus; floribus radii foemineis (lliformibus; corolla apice minutissime denlicilatn, denliculisinnccqialibus; stigmatc corollam duplo excedente; antheris aculis nudatis; styli ramis lanceolalis dorso papillois; achaenio subcomplnalo ad pcripberinnm papilloso parce piloso albido. — In insulis ad Cap verd.
14. *C. ODONTOPTERA* B. Webb I. c. — Caule elato tenuiter pubescente cum ramis per totam longiitudinem alis runcinalo-dentatis; foliis oblongis dentatis acutis glanduloso-puberulis; panicula racemosa pntula; capilulis amplis; involucri pauciserialis squamjs linearibus acutis punctulato-glandulosis; receptaculo piano punctiato nudo; pappo albido subscabro; floribus radii plurimis llliformibus deniculado-lruncalis, disci quinquedentatis; stylo papilloso; achaenio quadrangulo subcompresso. — Habitat in insulis ad Cap verd.
15. *C. LARRAINIANA* Remy in Gay. Historia de Chile (Bot.) IV. pag. 71. f — Caule crocto simplici lereti, teuuisse angulato hirtello; foliis utrinque hirtellis acutis, radicalibus oblongo-spathulalis, in'peliolum longum attonualis, rcmoie serratis. cauliois anguste linearibus integerrimis; paniculae 3—10- cephalae capilulis longe pedunculatis, 2—3 lin. in diametro; involucri laxc hispidi squamis obtusis. — Crescit in provincia Chilensi Valdivia.
16. *C. BUSTILLOSIANA* Remy I. cit. pag. 72. f — Caule vix hispidiusculo erecto sifflplici, longitudinaliter coslato; foliis inferioribuscnulinis longe linearibus sessilibus acutis iniegerrimis, utrinque parce hispidis; capilulis paniculalim racemosis pedunculalis, sat paucis, 2—3 lineas in diametro; involucri hirsuti squamis lanceolalis acuminatis acutis. — Crescit in Chile central*.
17. *C. ANDINA* Remy 1. cit. pag. 73. f — Caulis pane inferiore ignoia, superiore cylindrata, vix hirtella, apice ramosa; foliis superioribus anguslc liuearibus aculis, ulrinque cinereo-hirsutis, integerrimis; capilulis paucis pedunculalis, in pauculam laxam di*\ posillis, 2—3 lineas in diametro; involucri cirinpnnuluii squamis lanceolalo-linearibus acutis, maMue membranaceis, dorso parce hirsutis. — Crescit in montibus Chilensibus de Soia^h.
18. *C. SCABIOSAEFOLIA* Remy I. cil. pag. 74. f - Caule ramoso cinereo-hispidissim©; raris siriatulis; foliis utrinque hirsulis, radicalibus pinnatilobalis, lobis obtusis d<nt*f tis, caulinis inferioribus lanceolitis obtusis, basi alienualis, reinole grosse dentatf^ caulinis superioribus linearibus angustis acutis integerrimis; panicula laxa; capiwl' pedunculatis, pro genere roagnis; involucri squamis acuiissimis, dorso pilosis: aoha<<niis ad nervos parce pilosis. — Crescit in Chile cemrali.

19. C. IJLBAONA Remy 1. cit. pag. 75. f — Gaule herbaceo, basi suffruticoso erecto cosiato, parce piloso, superne pnniculatim raraoso; foliis oblongo - lenceolatis, basi angustatis, ulraque pagina vix pubescentibus, marginè hirlellis, inferioribus latioribus grosso serratis, superioribus iniegris; racemis longis; capitulis minimi's; involucri'sguamis aculis subglabfatis. — Crescit in Valdiviae vicinitate regni Chilensis.
20. C. MYRIOCEPHALA Remy 1. cit. pap. 76. f — Caulo ramosissimo glabriusculo; ram is sublaevibus stria t is; ramulis angulatis JiispidiuscuJis; foliis Jinearibus sessilibus obtusiusculis inlegerrjmis, margine scabrido - setulosis, ulraquo pagina glabris; panicula ampli&sima; capitulis minierosissimis'nmiimis; involucri biseriali squomis linearibus acuminatis glaberrimis, margine membranaceis, imiwis flosculos aequaniibus. — Crescit in Chile centrali.
21. C. ARABIDIFOLIA Reiny I. ch. pag. 76. + — Caule a basi ramosx) strinto pilosissimo; foliis sessilibus scmiamplexicaulibus lanceolatis, apice mucronulatis, remote dentatis vel subintegris, ulrinque sparse hispidis, subtus ad costam incano-pilosis; panicula laxiflora; capitulis paucis pedunculalis; involucri squamis linearibus acuminatis acutis, dorso hispidis, marginç memkranaccis, longitudine flosculorum; uchaeniis ubique parce pilosis. — Crescit in Chile centrali.
- *2- C ELATA Knth. & Douche*, Index sem. in hort. botan. Berol. an. 1848. collector, p. 14. no. 19. — Caule annuo herbaceo erecto," superne paniculato-ramosissimo; ramulis sulcoto - angulatis pilosis; foliis sparsis, breviter petiolatis lanceolatis, superne grosse serralis vel remote pinnalifldis acuminatis, supra margineque scabris, subtus glabriusculis, ramealibus lanceolatis integerrimis; capitulis in ramulis paniculatim dispositis, roullifloris; involucri ovato - campanulalis, 20-phyllis, foliolis lanceolatis, apice cilio-latis; floribus marginalijus circiter 45, femineis, ceniralibus 8 hermaphroditis; fructibus oblongis, Icticulari - compressis pilosiusculis, pracsertim margino. — Habitat in Caracas.

2406. PHACHtFAJLOIV Cass.

(DC. Prodr. V. 396. — Wlprs. Report. Vf. 134. Annal. I. 409.)

- * PH. GRAECUM Boiss. ft Holdr. Diagnos. plant, orient, nov. XI. pu 6. f — Peronne duoiosuin: caulibus basi suffrutescenscentibus decumbentibus, supcrno ramosis; ramis erectis strictis dense foliosis canis; foliis facie superior! junioribus subfloccosis, dein glahris viridibus, subtus cantis oblongo - lanceolatis acutis, márgino undulato-sinualis, in petiolum basi dMatatum breviter auriculato-decurrontem altenuatis, suprtfmis angste linearibus integris; pedunculis floccosis demum glabrescentibus; involucri companulati glabi-j phyllis rregulariter imbricatis adpressissimis non hyalino - marginal is, ab ioflmis triangularibus lanceolalis acutiusculis, apice fuscscenscentibus ad intermedia Jinearj - lanceolatis obtusn et superiora anguste linearia acuta flores excedentia sensim elonguiis. — lh. *intermedium* DC. quoad locos ex Oriente et Reut. et Marg. Fl. Zacynth. non Lagasca. — Crescit in rupestrihus regionis calidae totius Graeciae ad Patras, Nauplia etc. — p. *oxyphylla*: foliola involucri inferiora acutiora, superiora acutissima. — Crescit in Algeria.
- 2- PH. ABYSSINICUM C. H. Schultz (Bip.) mss. ex A. Rich. Tent. Q^byss. I. 396. — Caule erecto bipedali ramoso, basi suffrutescente; ramis teretibus Iroido - tomenlosis; foliis alternis iinari-lanceolatis, supremis lineaiibus acutis, superne \iridibus glabriusculis, subtus -albido-lomentosis, margine subintegris aut obsolete et dislancter denticulatis, ramulis apice nudis elongalis monocephalis; involucri squamis imbricatis seariosis glabris bmneis, xlerioribus brevioribus elhplico - obtusis, margine subundulatis, iuternis laoceolatis, acutissimis; achaeniis teretibus fulvo-sericeis. — Ph. *hypoleu-*ium c. 11. Schuitz (Dip.) mes. — In Abyssjuiæ prov. Ghoo.

- 3 PII QUARTIMANIUM A Rich 1 c — Caule suffrutescente ramosissimo pedali, laxis leioculis albido-tomentosis, foliis approximaliter lineari-lanceolatis, marginibus revolutis et quasi bubulditis piaculium obtusum floculosum-gosajpniun, inuincis subjunctis, lenticulis apice nudis in nocturnis involucri squamis scissis. ovulibus obtusis, aut apice mucronatis biciliatis, marginibus disjunctis brunneis aliculis leucis scissis — In Abtissima
4. PII LLCIDUM Webb in Hook Nigri Floia p 13b — Fruticulus liguosus durus multimens foliosus minis (u-scis nigrescentibus, supioribus glabris, lomenio parco fusco indolis foliis alerms linear-lanceolatis, basi attenuate, saepe bipollicibus, 2—3 lin longis, inferioribus petiolatis, petiolo icnui, nervis involucri croso-dentatis, junioribus pubescentibus - cmerca paucis obsitis, demum glabris lucidis nigrescentibus; pedunculis terminalibus 2—3 - chotomis illiformibus nigris, junioribus fusco-puberulis, apice parce squamigeris, involucri turbinato-cuneatis glaberrimis nigrescentibus squamis scanosis, inferioribus ovato-oblongis, tunc linear-oblongis, interioribus Jincanibus atigulosis neutis, apice sulcatis - cilialis, capitulis paucis heterogamis, floribus foemincis plumbiculis filiformibus, apice setoso-denticulatis, siliis ramis elongatis sessilibus 11 herinapoditis paucis cylindricis-campanulatis, lacinis glabris acutis, stylo subexsertis, ramis cylindricis, nervis subclavatis truncatis siliis papillosis receptaculo piano foveolato, acatnus ovato-oblongis compressiusculis eobivalis pilosis populo ribo bupeine scibelulo, (1 foemina 3-sclorosa, herm 5-setosa.— deest in nocturnis in Siliis nuntiis ulna alt 1000 ped

2410 BACCHARIS Linn.

(DC Prodi \. J9S MI 281 — Wpis Reperc II 594. ft 955 VI 135)

- 1 U. (<blun<foliut) (Lh\OS\Rlb Toir a Gi — Wpis Reperc II 969 no. 1) TEXANA A. Gaj, Plum Fndi 75 adn f — Glabra caulibus plurimis herbaccis c basi suffruticosa rigidis aiguto sinuato-angulatis fulviscens subimbricatis, apice corymboso-oligocarpis, laxis linoanibus mucronulatis vel aculatis, basi angustata sessilibus canaliculatis, marginibus obsolete expandendo-dentatis, involucri squamis linear-lanceolatis sensim acutis laxis, receptaculo nudo alveolato-dentato aliculis peltatis lobulatis involucri glaberrimis, pappo albido involucrum duplo excedente superis — la republica Texonsi
2. 1) (*CanlopUiac*) ELALOIDES Remy in Gay, Hislona de Chile (Bot) IV. pag 88 f — Fruticosa ramosa glabra ramis decussatis foliorum angustis alatis, foliis oblongis, basi angustatis obtusis, saepe mucronulatis, interjunctis vel inargme ulioque giosse uni-bidentatis, dibolobus ramosis plerumque paululum subrevolutis, capitulis minimis aliculis involucri, involucri squamis ovali-oblongis obtusis — Crescit in campis jnovine Lbilensis Tildivn
- 3 13 (*liscoloies?*) HUYDOURIANA Rcmj 1 tit pag 90 f — Fruticosa glabra caule ramoiso subflesuoso lobus angustis linearibus subulatis plains aculis interjunctis vel icmule scirulatis ciliatis pedicellatis, urpugulonei corjunctis, involucri foemine campanulatis squamis lanceolatis acuminatis, nidiis in nictibianaceo subulatis, acheniis sub lente hntelli — Crescit in Chile cuiali
- 4 D. (6Mne*/o/iaeJfcOLIRn Rcmj 1 c 98 -f — fruticosa caule lamoso glabro resinoso: ramis dense foliatis foliis oblongo-ovalibus obtusis sessilibus, integerrimis vel grosse jiaucidentatis unmenis glabris icino-uscois, ciliatis pedicellatis, apice ramorum umbellatis involucri mabuli ciliatis squamis oblongis obtusis, apice macula obscura nidiis, nidiis in angustis canosis, — Crescit in Chile centrali.
- 5 D. BCZANILLEANA Rcmj 1 cit pag. 98 f — Fruticosa caule ramosissimo, ramis junioribus dense foliosis glabris resinosis sulcatis, foliis obovato-cuneatis sessilibus

obtusis integris \cl apicem versus denicuhis glahns umnervns cnpiculis subturbmaii
pedicellatis 2—6 m opice ramulorum pedicellis folio brevioribus involucri masculi
squamis oblongis obtusis glabris, in margine mucoso flabralo - subciliatis — Crescit in
montibus de la Cingue regni philensis

◇ B RHOMBOIDALIS Reim 1 cil pag 99 f — Fiulescens iamosi&sima glabra lous
rhomboidalis obtusis integris ima basi brevissime angustatis cicutulis rimorum apicem
versus subsessilibus distinctibus foliosis involucri squamis triseria-
libus oblongis obtusis ipice colorato m. HCLNS slyli (lorum masculorum iamosi& bic-
vibus incrassatis pilloso - glandulosis — Crescit in Chile

7 B LYCIOIDES Remy 1 cit p 99 f — Fruticosa nuda glabra ramis stans, folia
parva oblonga - cuneatis apice obtuso indentatis \tl truncatibus cinctum m. le-
gumibus, utrinque tenuissimis glandulosis cicutulis in ipice ramulorum unico pe-
dicellatis, oblongis ciliatis involucri obconici squamis scabris ipice coloratis,
exterioribus obtusis, interioribus acutis foliolis foeniculis prope biconibus — Crescit in
Chile

H '» MAGLIANA Peis — DC Prodr V 405 no 51 — Remy in Gay, Ffisiona de
Chile IV 93 — li Luna folia DC 1, c 406 no 5i

2401A. JACOBINELLA DC

(DC Prodr VII 25ft)

1 'D CAUDALIS Remy in Gay, Historin floric de Chile (Boi) IV 103 tab 45 — *D
jacobinella* DC I c — I) ynaphalwules DC 1 c

2 ^ CILIOTRICHOIDES Remy 1 c 104 — Fiulescens, ramulosis caule lamisque
inferne glabris ramulis cano-tomentosis inamplissimis stans foliis* lincanibus acu-
113 margine subtus revolutis, pagina minore <ano-tomentosis supernoie glabralis,
basi ramulorum caducis, capitulis obconicis 7—8-lous involucri biconati squamis
1an ceolato-lineatis acutis prope setis aequaliter a basi ad apicem usque bispidulis
''' Habui in Chili (Coidilleia de Lotaqui)

Subtribus III. TARCHONANTHEAE Less. — DC. Prodr V 429

2411. BRACHYIJA EVA ? Br.

(DC Prodr V 429 — Wlprs Report II 972)

1 II TRINERVIA Sondti, Linnaea XXIII 63 f — Folis brevissime petiolatis oblongis.
Si apice acutis inlesgei rimis supra glabris trinervis, subul9 tomentosis, capi-
lulis in ipice ramulorum spicatis, involucri cylindracci squamis lanceolatis subara-
nensis — in promontono bonae spei

2413. BEMOTEA DC.

(DC Prodr V 432 a VII 282 — Wlprs Repert VI 138, Annil I 410)

1 'BL BAF(LAROIDES C H Schultz (Dip) mss ex A Rich Tent II Abyss I 391.—
*Munthea thoscondx** DC Prodr V 450 no 5

1 n'. ABYSSINICA C II Schultz (Dip) mss ex A Rich 1 c 392 — Caule ramoso
ereti, ramis gracilibus glabris folis lineari-lanceolatis sessilibus acutis, mar-

- gine integris aut obsolete denticulatis tenuiter membranaceis, subglabris; capitiulis solitariis ramulos tenninntibus; involucri squamis linearibus acmissimis hirtis; achaeniis terfribus subangulatis, hirtellis. — *Conyza Bovei*?? DC. Prodr. V. 381. no. 29. — In Abyssiniac prov. Medat.
3. BL. DRAGEANOIDES C. II. Schultz (Dip.) mss. ex A. Rich. I. c. — Caule herbaceo a basi ramoso erecto, 1—2-pedali loreii molliter pubenti-piloso; foliis peliolalis obovatis nui oblongo - ellipticis aut sublanceolatis acutis, margine grosso dentatis, praesertim subtus molliter ptibentibus; capitiulis parvulis paniculam foliosam efformantibus; involucri foliolis linearibus maximo liirlis, inerioribus tenuioribus purpureis (uti flores); achaeniis mngulato - leretibus glabris. — In Abyssiniac provinciis Ouodgerale ft Chire'.
4. BL. (PLUCHEA C. II. Schultz [Dip] mss.) PIAGNALOIDKS A. Rich. I. c. 393. — Caulo frutescente ramoso; ramis virgalis stria Li s subangulatis glabriusculis; foliis lanceolatis acutis. basi angustatis, margine obsolete denticulatis glabriusculis; capitulis pedunculatis in axilla foliorum solitariis et quasi racemum longum sriclum efformantibus; involucri squamis imbricalis inaequalibus, oblongo-lanceolatis acutis glabris, externis brevioribus palulis; achaeniis oblongis subtectibus sericeis. — In Abyssinia.
5. BL. (LAGGERIA C. II. Schultz [Dip.] mss. — PLUCIKA C. H. Schulz* [Dip.] mss.) CRASSIFOLIA A. Rich. I. c. 394. — Caule basi frutescente erecto' paniculatim ramoso angulato - alato pulvencito - glanduloso ferrugineo. bipedali et ultra; foliis elliptico-oblongis aculis dentatis coriaceis, ulrinque punctato-glandulosis, basi sensim attenuatis at vix prominuloin caulem ulrinque decurrentibus; capitiulis pedunculatis, paniculam longam ramosam foliosam efformantibus; involucri squamis oblongis acutis, externe glandulosis; achaeniis terclibus sericeo-ferrugineis. — In Abyssiniac provinciis Tigro ft: Chile,
6. HL. (LAGGERIA C. II. Schullz [Bip.] mss.) TOMKNTOSA A. Rich. I. c. 394. — Caule erecto, basi suiutescentio ramoso; ramis cinereis cl floccoso - tomentosis alnis, alis integris parum prominulis; foliis plernid sessilibus (locurrentibus lanceolatis aculis, margine denticulatis, ulrinque cinereo-tomentosis; capitulis pedunculatis in paniculam laxam foliosam dispositis; involucri squamis valde imbricalis linearibus tomentosis. apice saopius incrassatis; achaeniis t ere lib us, ferrugineo- ot dense sericeis. — In Abyssiniac provinciis Mmessah.
7. BL. PETTIANA A. Rich. I. c. 305. — Ramis angulato-alatis griseo-tomentosis; foliis sessilibus lanceolatis aculis, margine obsolete denticulatis, praesertim subtus floccoso-cinereis, basi in alas'' integras parum prominulas decurrentibus; capitulis numerosis paniculam ramosam foliosam efformantibus; involucri squamis imbricalis lanceolatis griseo-tomentosis, apice subinduratis acutissimis; achaeniis terctibus albido-sericeis. — In Abyssiniac prov. Choa.
8. BL. (LAGGERIA C. II. Schultz [Dip.] mss.) PURPURASCENS A. Rich. I. c. — Caule herbaceo erecto, basi simplici, superne ramoso 2-pedali angulato-alato, alis vix prominulis denticulatis, denlibus inaequalibus; foliis oblongo-lanceolatis acutis, margine argute denticulatis. basi sessilibus cl in caulem decurrenibus glanduloso-hirtis; capitulis pedunculatis in ramulis 3—5 racinosis et pauculam laxam clongalam efformantibus; involucri squamis imbricatis lineari - lanceolatis acutissimis, externis subhirtoglandulosis jjchaeniis lerelibus sericeis. — In Abyssiniac prov. Tigre*.

f Icon addenda.

BL. ALATA DC. Prodr. V. 448. no. 90. — (VVIprsJ Annal. I. 411.) — Wght. **Spicil**
Neilgheir. II. tab. 109.

2420. *B V A X Grtnr.*

(DC. Prodr. V. 458. — Wlprs. Report. II. 599, Annal. I. 411.)

- E. ROTUNDATA Moris, Atli della terza Riunionc p. 481. — Humillima: foliis dense lanaiis, omnibus spalulato-obovaiis apicoque rotundalis obtusissirais, floralibus capitulo subaequalibus; capitulis globoso-ovaiis; receptaculi paleis plcrisque apice dorsali arachnoideis, extimis breviter muoronulatis, intimis obtusis. — Habitat in insulis inter Gorsicam et Sardiniam.
- * E. ANATOLICA Boiss. ft Heldr. Diagnos. plant, orient, nov. XI. p. 2. — Aeaulis vel a basi glomeruli centralis ramosa subutnbellata: ramis prostratis; foliis adpresse albolanatis oblongis acutis, glomerulos duplo superanlibus; capitulis in glomerulos planiusculos densissime et indistincte oongestis; involucri phyllis oblongis subcarinalo-cymbiformibus aculiusculis, praetor apicem anguste virescentetu albo-membranaceis, inferne nudis, superne omnino (ana crispa alba obsitis, apice mucrone sculoso brevi glabro terminalis; achacniis cylindricis sub lente tonuissime hirtulo - scabridis. — Crescit in siccis moutnnis Anatoliae, monte Ghclipel vallis Djoksou Isauriae, montibus ad orientem jugi Gheidagh silis alt. 4500 pcd., et in Libano, circa Diarbekir.
3. E. PALAESTINA Boiss. I. c. f— Tota lana fldpresen grisea obsiia, sub glomerulo- eerilrali subsesaiU prolifei-e ramosa: ramis prostratis ilerum proliferis; foliis linearibqs obtusis glomerulos duplo et amplius stiperanlibus; c>piulis in glomerulos sphaericos dense coogesijs sed inter se distlntis, apice e' lana prominulis; involucri phyllis oblongis oarinalo-cymbiformibus, dorso viridibus. margino albo-membranaceis, extus tota lon- ^iUiaie adpresse hirsutis, omnibus in nracronem seiaceum gtabrum abeuntibus, inti- ~~mis~~ brevissime mucronatis; acbaeniis oblongis sub lente mfnuiissime puberulis. — **Crescit** circa Hierosolyraa.
4. E. ERIOSWAERA Boiss. ft Heldr. 1. c. 3. f — Tota lana grisea adpressa obsiia, a basi ramosissima: raiiis brevissimis; glomerulis numerosis globosis derisis. in caespitem contiguus: foliis oblongis oblusis glomemlo globoso subbruvioribus; capitulis inter *Q in glomerulo indistinctis dense nlbo-lanaiis; involucri p)llis oblongis subconvaxis, P>Qter apicem virescentem omnino >albo - membranaceis, basi nudis, snperae dense et longe albo-lanatis breviter acuminatis, acumine glabro e lana non exserlo; achacniis minimis oblongis glabris. — Crescit in aridis planitie Adalia in Pamphylia.
5. E< CONTRACTA Boiss. 1. cil. 3. f — Aeaulis: glomerulo unico radicali magno; [oliis adpreasissirne canis glomerulum iavolucrantibus longeque superantibus, basi in peiololum longe attenuaiis, superne obovnto-spalhulalia muoronulaiis, post anihesin P<B<i induratis, circa glomerulum contracus; capitulis dense congestis subindistinctis; "involucri phyllis oranino membranaceis lutescentibus ovato-oblongis planiusculis, in ^Ucronem seiaceum longiusculuoi acuminatis, superne extus laxiasime lanaiis; acbae- "i's compressis ovato-triangular! bus, pruinoso- scabridis. — Crescit in Arabia petraea Qd fines Palaestinae, ad fontes petrolei prop* Dalechi Persiae australis.

2421/a. *BEKAVIIilia Remy.*

(Remy in Gay, Historia Bsic. de Chile [B013 IV. pag. 1W.)

Capitulum roultiflorum heterogamum discoideum. Involucrum uni-
 seriab, squamis foliaceis. Receptaculum globosum, paleis cucullatis
 flores femineos.foventibus onustum, centro nudum. Corollae omnes tubu-
 losae, radii fiUiformes, apice lacerae multiseriales, foemineae anantherae
 fertues, disoi ampliores quinquentatae, masculae, perpaucae steriles.

Staminum filamenta apice tenuissime reticulata; antherae alatae caudatae ovato-oblongae. Stylorum radii rami graciles glabri exserti, disci lineares papulosuli. Achaenia radii oblongo-elliptica, basi brevissime angustata glaberrima, paleis receptaculi obumbrata, disci abortiva. Pappus in radio et in disco nullus.

1. B. CHILENSIS Remy 1. cit. pag. 110. tab. 46. fig. 1. — Tota niveo-tomentosa: caulibus a basi ramosis diffusis surculosis; foliis oblongo-linearibus, floralibus maioribus, obtusis; capitulis terminalibus lateralibusque; involucri squamis planiusculis inermibus tomentosis foliaceis uninerviis, obtusis vel subaculis. — *Micropus globiferus* Bertero in DC. Prodr. V. 460. no. 4. — Crescit in montibus provinciarum Chilensium Santiago, Aconcagua, Rancagua.

2421A. MICROPIJS Linn.

(DC. Prodr. V. 460. VII. 283. — Wlprs. Repert. II. 599. ft. 973.)

1. M. (PSILOCARPIUS) CAULESCENS Benth. Plant. Hartw. 319. no. 1812. — Incanosericea: tota seminibus longis pedicellatis; capitulis plurimis parvis lanatis; floribus fertilibus circa 20, staminibus in receptaculo cylindrico 4—6, squamis acutiusculis. — Caulis subramosus 1—2-pollicaris, apice circa capitula dense foliatus. Petioli plerique pollicares, lamina semipollicaris. Capitula circa 10—12, in receptaculo communi sessilia, lana haud copiosa involuta parva. Receptaculi proprii pars fertilis convexa, sterilibus elongata cylindrica. Squamae obovoideo-oblongae complicate, laxe lanatae, fertiles acutae membranaceae, flores includentes, steriles obtusae crassiores, circa flores masculos quasi verticillatae et involucrum proprium constituentes. Achaenia obtusiuscula. — Crescit in valle Sacramento Californiae.

Subtribus IV. INVLEAE Cassin. — DC. Prodr. V. 462.

2426. INVUL.A Griseb.

(DC. Prodr. V. 463. VII. 283. — Wlprs. Repert. II. 600. VI. 140. ft. 721.)

1. I. (*Limbarda*) LEPTOCLADA Webb in W. 4. Hooker, Niger Flora p. 137. — Caulis erecto; ramis gracilibus, pilis crispulis superne hirtellis fuscis; foliis distantibus oblongis lingulatis acutis, basi auritis semiamplexicaulibus. margine dentatis pubescentibus. denibus quandoque subobsoletis; capitulis ad apicem ramulorum confertis subcymosis; pedunculis filiformibus, foliis minimis stipatis; involucri squamis angustae linearibus acuminatis glanduloso-puberulis; receptaculo subplano; floribus omnibus hermaphroditis, radii tridentatis aliquando sublingulatis, disci quinquentatis, dentibus brevibus ovalis subacutis; genitalibus inclusis; styli ramis brevibus; antheris bisetis. Achaeniis (immauris) cylindraceis, leviter apice constrictis hirsutis; pappo denticulato albo, basi libero. — Valde affinis plantae Aethiopiae a Kotschy olim lectae, set folia habet magis deniculata, ramos decumbentes, capitula in paniculam laxiorem disposita, involucri squamas laeviores, achaenia compressiuscula et sub apice vix ac n* vix quidem constricta. — *Pulicariam* quoque Arabicam refert, sed pappus duplex d aliae a *Pulicaria* notae differentiales. — Crescit in insulis Capiti. Viridis.
2. I. CONFERTIFOLIA A. Rich. Tent. fl. Abyss. I. 399. — Caulis basi frutescente, ramoso tereti; ramis tomentosus subcandidis; foliis alternis approximatis brevissime petiolatis lanceolatis acutis, basi sensim angustatis, margine vix glandulosis, superne hirtellis. tenuior bullatis, subtus reticulatis albido-tomentosis, serraturis vix prorainulatis quadrat^ truncatis et apice glandulosis; capitulis breviter pedunculatis numerosis et raceme¹¹¹ compositum ramosura terminalem efformantibus; involucri squamis imbricatis, ex¹¹¹

nis brevioribus ovali-ellipticis obtusis out acutis, internis lanceolatis acutis longloribus, margino subciliatis, externe subpulverulentis; foliolis quibusdam laxis oblongis aculis involucrium cingentibus: achaeniis teretibus striatis, versus apicem subsericeis. — In Abyssiniac provincia Chon.

f Icon addenda.

* ARBUSCULA Delile. — Wlprs. Repert. VI. 140. no. 2. — Ferret et Galinier, Voyage on Abyssinie Tom. III. p. 147. no. 88. f tab. 14.

2426A. IXIJI; ASTER C. H. Schultz. (Bip.)

(A Rich. Tent. fl. Abyss. I. 400.)

Differt ab *Inula* capitulis omnino flosculosis; flonbus hermaphroditis quinquefidis; achaeniis cylindricis, pappi serie simplici barbellata teretibus.

¹ I. MACROPHYLLUS C. H. Schultz (Bip.) mss. ex A. Rich. Tent. fl. Abyss. I. 399. — Caule erecto bipedali et ultra, subsimplici striato, subferrugineo-birlo; foliis inferioribus maximis oblongis obtusis, basi sensim attenuatis et petiolatis, superioribus allernis sessilibus cordato-oblongis acutis, margine serratis, crassis, utrinque sed praesertim subius ferrugineo-lomentosis; capitulis teretibus parvulis numerosissimis corymbum minimum homogamum ramosum densum efformantibus; involucri cylindrici imbricati squamis inaequalibus oblongo-lanceolatis acutis, externis ferrugineo-tomentosis; floribus omnibus tubuloso-5-fidis; achaeniis teretibus hirtis; pappi simplicis 1-seriati setia barbellatis. — In Abyssinia prov. Chire et Semiene.

2434. PUMCARIA Grtnr.

(DC. Prodr. V. 477. VII. 285. — Wlprs. Repert. VI. 144.)

- ¹ P. CONGESTA G. Koch. Linnaca XXII. 711. f — Caulis erectus, apice paniculatus ad ped. alms, striato-sulcalus. hirsutus; folia oblonga, basi paululum attenuata, subaunculis amplexicaulibus, denticulata aut integra, hirsuta, ramorum minora lanceoliua acuta; rami simplicissimi, apice calathidiis 2—3 congestis praediti; anthodium ferruceo-villosum, phyllis linearibus, apice brunneo subrecurvo sphacelato instructis; achnacia pilosa, pappo duplici praedita; pili interiores sub-10. — Ad Bosporum.
- ² P. ELATA Boiss. Diagnos. plant. orient. nov. XI. p. 6. f — Perennis: caulibus basi denudatis ascendentibus, dein erecta elatis foliosis, superne ramosis paniculato-corymbosis; foliis pallide virentibus, utrinque adpresse et brevissime subvelutinis pilis basi tuberculato-incrassatis, inferioribus oblongo-linearibus spathulatis, in petiolum brevem uenuatis, intermediis late linearispathulatis, inferno subangustatis, basi minute cordato-auriculatis obtusis, rameis crebris linearibus obtusiusculis mucronulatis minute acutiuscule auriculatis; pedunculis nudis, capitulo 2—6-plo longioribus; involucri squamis villosis linearibus subulatis adpressis; ligulis demum reflexis anguste linearibus, pappo duplici longioribus; achaeniis parce et adpresse hirtellis; pappo exterioribus visis coroniformi dentato. interioris selis decem. — Crescit in locis humidis montis Elbrus prope Derwend in Persia
- ³ P. RÜPPELLII C. H. Schulz (Bip.) mss. ex A. Rich. Tent. D. Abyss. I. 401. f — Antheris: caule herbaceo spithamaeo simplici aut ramoso, tereti tomentoso; foliis alternis, inferioribus oblongo-spathulatis obtusis, basi sensim attenuatis et longiuscule petiolatis, superioribus sessilibus oblongo-spathulatis obtusis, basi auriculato-rotundatis. margine obsolete denticulatis, praesertim subius arachnoideo-tomentosis; capitulis ter-

minalibus solitariis longe pedunculatis; involucri subuniseriati squamis linearibus aut spathulnio-linearibus aculis dense lanuginosis; radii ligulis elongatis angustis, apice tridentatis; achaeniis tereibus, basi attenuatis subseriatis. — In Abyssinia.

2436. PEGOLETTIA Cass.

(DC. Prodr. V. 481.)

1. P. MUCRONATA Benth. in Hooker. Niger Flora 432. f — Puberula subviscida: ramis elongatis virgatis; foliis sessilibus lineari-sublanccolatis integerrimis vel 1—2-deniatis mucronatis; pappo interiore plumoso, achaenio plus duplo longiore, exterioris paleis setaceo-mulifidis. — Crescit in Africa tropica occidentali.

Subtribus V. BUPHTHALMEAE Less. — DC. Prodr. V. 488.

2440. TELAKIA Baumg.

(DC. Prodr. V. 485. VII. 287.)

1. T. OVATA C. Foch, Linnaea XXIII. 712. f — Caulis bi-iripedalis et ultra, simplex aut apice ramosus, leres sed striato-sulcutus, pubescens paucifolius; folia radicalia ovata irregulariter et duplicato-dentata, dentibus apice cartilagineis, puberula longe petiolata, caulium ovato-oblonga brevissime petiolata; corymbus pauciflorus, magis pubescens; anthodii phylla calyculum formantia, longiora foliacea patula, caetera exteriora adpressa viridia, apice obtusa iniegra, interiora marcescentia brunnea flmbrkK lata; pappus minimus. — In montibus Ponticis.

2441. ASTEKISCUS Much.

(DC. Prodr. V. 486. VII. 287.)

1. A. (ODONTOSPERMUM) SMITHII B. Webb in Hook, Niger Flora 139. f — Fruticulis robustus: ramis crassis fuscis. foliorum cicutriculis rugulosis, junioribus sericeo-altridis; foliis latis ad apicem ramorum congestis spathulato-lanceolatis, in petiolum dilatatum attenuatis sericeis albis; involucri foliolis spallulatis, interioribus oblongis, basi concretis; capitulis amplis; floribus exterioribus ligulatis. Ligulis elongatis apice iridentatis, denibus ovatis acutis; floribus disci tubo cylindraceo, medio constricto. bid corioae albedo. lucinis lanceolatis acuiusculis, subtus papillosis, membrana marginati deatitatis; antheris basi caudatis, caudis lacoris; styli ramis elongato-lanceolatis; florum radii achaeniis triquetris angulis pubescentibus, pappo illis sublongiore. disci 4-angulatis. pappo aequali; paleis achaenia amplectoniibus concavis, dorso carinatis, carinis denticulato, superne hirsutis, apice in selam fuscam productis. — In rupestribus in S. Mchulai ad Cap. Viride.
2. A. (ODOKTOSPEIMUM) DALTONI B. Webb l. c. 14a f - Fruticulus erectus: ramis virgatis dichotomis. inferioribus ruftis. superioribus pubescens-hirtis subalbids foliis sparsis distantibus liuenri-spallulatis. in petiolum Jon^iu-joulum sensura aenuotis; involucri oblongi squamis exterioribus basi aique interioribus totis inter se concrete capitulis mediocribus; floribus exterioribus ligulatis, ligulis linearibus, apice brevis ovato-tridentatis, disci tubulosis, tubo cylindraceo, superne constricto, laciniis lanceolatis acutis, margine membrana denticulato-flmbrata auctis; antheris basi caudatis breviusculis basi sublaceris; styli ramis spallulatis olhusiusculis; achaeniis angulatis, ligularum triquetris, pappo setaceo vix demiculato subaequali ad angulos longiore; paleis achaeniis amplecteniibus concavis, dorso acutis integris, apice denticulatis obtusiusculis cum acumine. — In insulis ad Cap. Viride.

3. A. (ODONTOSPERMUM) VOGELU B. Webb 1. c. f - Froticulus diffusus: ramis dichotomis albis; foliis sparsis linoan - spatulalis in petiolum attenuatis, utrinque sericeis; capitulis parvis ovatis; involucri squamis lanceolatis imbricato - appressis iuter se concretis.

(J. *Darwini*: foliis clongato - linearibus confertis, capitulis majoribus rotundatis, corollae dentibus hirsutioribus, ligulis longiusculis valde papillosis, breviter et acute dentatis. — In insulis ad Cap. Viride.

2444. CERVAIVA *Forsk.*

(DC. Prodr. V. 488. VII. 287.)

1. C. SCHIMPERI Boiss. Diagnos. plant. orient. nov. XI. p. 4. f — Perennis, tota partibus junioribus sericeo-cana, a basi indurata ramosa: caulibus brevibus procumbentibus erectisve flexuosis foliosis duris, sub capitulis terminalibus semol vel pluries proliferare ramosis; ramis divaricatis; foliis omnibus mollibus integris vel repandis oblongo-spatulatis oblongis, brevissimo mucronulatis, in petiolum inferiorum vix basi dilatatum, caeterorum minute auriculato - araplexicaulem angustalis; capitulis globosis subsessilibus minutis; bracteis foliaceis oblongo - vel lineari - spatulatis erecto - patulis, capitulo aequilongis; involucri adpresse hirti phyllis arctissime imbricatis oblongis angustissime Dicmbranaccis; flosculis in marginalibus tridentatis paucis; paieis linearibus obtusis concavo-plicatis, superne hirtis; pappi paieis lanceolatis acuiis laceris, acbaenio adpresse hirtis aequilongis. — Crescit in Arabia petraea.

2447A- CORO3TOCARPIJS *Schum. if Thonn.*

(Bnth. in Hook. Niger Flora 433.)

Differt a *Blainvillea flosoulis* radii sterilibus. — *Dipterotheca* C. H. Schultz Wp*) in Wlprs. Repert. VI. 145 — *Harpephora* Endl. — Wlprs. Repert. VI. 170.

*. C. PRUSUREANUS Bnth. in Hook. Nig. Flora 433. f — Foliis subsessilibus obtongo-lanceolatis; pedunculis capitulo ovoideo brevioribus; ligulis circa 8. — *Blainvillea Prieweana* DC. Prodr. V. 492. — Crescit in Africa tropica occidentali.

*. c. GAYANUS Bnth. K c. 434. f — Foliis petiolatis ovatis vel ovato-lanceolatis; pedunculis capitulo ovoideo subbrevioribus; ligulis circa 8. — *Blainvillea Gayana* Cass. DC Prodr. V. 492.

P- *peduncularis*: pedunculo capitulo 2—3-plo longiore. — In Africa tropica occidentali.

3. c. HELIANTHOIDES Schum. St Thonn. Pl. Guin. 393. — Bnth. 1. c. — Foliis breviter petiolatis; capitulis longe pedunculifris hemisphaericis; ligulis¹ circHer 20-uls. ~ *Wedelia*⁴/Hcono Pers. — DC. I. c. V. 539. — Sierra Leone, Guinea.

t *Genera Bupthalmaea, pyoprias subdivisiones effcimtia.*

*. MEILREICHIAE Fenzl. — Capitula radiata heterochroma. Pappus pilosus simplex uniseriatus, pllis capillaribus.

1. tffilXttfilCHIA *Fenzl.*

(Fenzl. Dnkschrftn. der k. k. ösier. Akad. [Math, naturw. Classe] I. 258. tab. 30.),

lis CapHula multiflora htiterogama, floribus radii pistilligcris 3«—4-solia-ligulatis, heteroobromis, disci paucioribus: perfectis tubuWsis, In*

volucn cylindnci squamae tnsenatae hneares adpressae jnaequilongae, intimae discum aequantes Receptaculum hemisphaencum paleaceum, paleis persi^tenlibus tenue scanoMS, apice fissis \ fimbriato-lacens, llores singulos acquanlibus foioilac radii fihfounes plunmae iigu-latae albae, lubo lenui filifoimi, ligula nunuta anpustissima, helero-moipha, nunc inlp"tnima, mine 2—3-dentata, nunc biloba ^ bipartita, disci subcKualo-tubulosit, flava< limbo 5-dentato Antherae sub-exseitae, apicc appendiculatat, basi safjllalo-caudatae caudicula mmuta subulata, demum nigiiicantcs Stylus filifoimis glabemmus, fl. perfecloium supra disaim tubtilosum basi tloboso-incrassatus, rami<? stig-maticis scmiluetibus exacte lincanbus ol)lulis exappendiculatis re\o-lutis, ladn cxtus qlabns, disci tola lonfriludinc dorso papilloso-glan-dulosis, suichus stigmatosis marpinalibus angustissimis apice con-iluentibus. Achacnia hictia anguste fusiformia glabia Pappus pilosus simplex unismatus, pilis plunmis libens icctis scabns

1. ^ EUPATORIOIDCS Fr/1 1 c f tal) 30 — Fiutex clatus. supeine scandens caule crasso obsolete tetragono, supi I medium bnclwato - lamoso villosus, inferne calvo Folia opposita pcliolta loi izontali» demum relleca, peliolis canilirulatis in anulum connalis hmina ampla htc o^ati basi cuncati, apice cuspidata supra basin 3—5-nervis grossc mucionnto-dentati Irnipme infouoie at cuspidie miegra vel subdenlata, utnnque subad>rcsi>c Mllo^a juiuiuin dense lioloseucea ThjiMis bincluato-ramosus foliosus oboMlus vcl <>lindicus nmplu^ nmulis cynugeris conmbse conferiis vil-losis, pcdunculis cnpitulo icqmlongis \c/ brevioubus Capitnla 55—75-flora, disci flosculis perfectly 11—17 Involucn squamae adpressap lmeares oblusae 5—7-nerves glabrac, marginc anguslo sonoso, versus apicpm ciliio-villosulae extimae mtimis 2—3-plo brevioics deinum cucmnato- iccuivae Receptaculi paleae mvolucrum acquanics vcl subacquantes tcnuc scanosae an^usto lincaics concaviusculae nunc apice, nunc semi-, nunc ultia medium 2—5-fidae sive lacerao, flmbriarum una ca-ens I—3-plo longioie Florum lidu liguli minuta vel obsoleta alba, senei pnmae plerumquo cunoala bi — tndeniaia, reliqimurn s>aepc angustih^une lineans, nunc bi — tnfla sive partita, lobis tune plciumqvc valdc inacquilongm, nunc jntegernm^a, tubo ore barbellato fl disci corolhe ore subconslnctae, dcntibus ezlus tuboque inferne bnsutiuseulis Slvli florum radii longe exserti, disci usque ul bifurcationem inclusi. Pappus sordide albidus corollam aequans deinum houzontalis — In Peruvia subandina prope Cuthero et in Brasilia pi ope Rio de Janeiro

II. CHRYSOPHTHALMIAE C. H. Schultz (Bip) in Wlps. Repert. II 955

2 CHRYSOPHTHALMIA: C. II Schultz. (Bip)

(Wlprs Repert II 955)

- 1 CUR MONTANUM Boiss Dingn plant onent nov XI p 4 j - Perenne multicaule suffiuiescens, totum adpresso pubescens, collo parce lanaium caulibus tenuibus angu-lato-stnatis folio si 9 creeds, supcinc parco et alternuim ramosis, ramis monocepbaus nudis angulato-slnatis, supeino submcrossatis folus lanceolatis, ulrinque allenualis acummatis, breviter peliohtis ngidulis ncrvosis integernmis strictis, bracteis 1—2 lmeanbus inaequalibus, capitulo saepe longionbus involucn adpresse hirtelh pbyllis anguste linean-lanccolatis acummatis. paleis setaceis ~~plicatuli~~ acutis, flosculis raargi-nalibus brevionbus. tiidntatis antheris basi cauda lacera auctis, achaeniis subtetra-gonis, pappo albo pijpso us tnplu breviori superatis. — Crescil in Syria circa Antab.
- 2 CIIR DICHOTOMUM Boiss & Heldr 1 c 5 f — Perenno, pilis basi submcrossatis pa-pillanbus brevihus adpressis albis pubescens, subviscidum pallide virens, collo iQ-

crassato hato squamoso caue umco treti erecto flexuoso a basi alterne ramoso. superno dichotome et divancuim ramoso ramis nudis inocephalis apice clavato-incrassatis minibus mulstnaUs folns infciiiibus et lunonuin radicalium longe petiohtis, cietens subsessilibus omnibus oblongis vel oblongo-lanceolalis obiusculis integiimim, flonlibus 3 — 5 oblongis valde inaequalibus, capiluh bracteanlibus eique saepius superdnlibus involucn patule vel retroisum albo - setulosi phyllis inuliiserialibus, infenonbus puulo breviubus subsqmrroso-patentibus Imeari - subspaihulatis caelens setaceis mucionatis paleis suaceis mucron itis flosculis omnibus qumquedentatis achaemis tereti-subcylinducis stiutis subincuivis hirtulis anlhens lacero caudatis pappo ad pilos breviusimos palulos vix peispicuos reducto — Crescit ID sixosis Taun Painphjlici inter Maria et Adalia alt 1000—1500 ped

Subtnbus VI *ECLIPTAE* Less — DC Prodr. V 488

2446 E C M P T A *Linn*

(Df Prodi V 489 VII 287 — Wlpr* Repci t II 602)

- 1 r PPDUNCUI ARIS Remj in Gij Ilisiona de Chile (Dot) IV p 113 + — Basi radicans ascendens ciule parce idpicseque hirsuto interdum subglabraio loins opposite ellipticis obtusissimis b isi aaitnuaiis it saepe angu^iissime conualis integernmis, uirique priesertim subtus adpresse stngilloso subsquamosis pedicellis solitarus terminuhbus vel e dichotomla oriis copitulo novics folio submplo longionbus. adpresse pubesconlibus — Crescit in provinces septenlnonalibus Chilensibus

2451A CIIOSIA *Remy*

(Remy in Gay. Hist flsica de Chile [Dot] IV p 119 t 4b flg 2)

Capitulum multiflorum heterogamum radiatum Involucrum umsenale, ^squamis 13—14 ovali-oblongis Receptaculum convexiusculum glabrum [^]Paleaceum foveolatum Cuiollae ladii ligulatae femineae unisemales, jlgula tndentata, disci tubulosae hermaphrodilae, tubo brevi, basi mflatulo, limbo dilatato quadnfido, lobis marginato-papillosis, apice extus oarbatis Stamina quatuor Antherae alatae ecaudatae Stylus radii bifidus felabernmus, stylus disci basi bulbosulus, lamis lmeanbus ob^Uis, [^]ersus apicem extus papulosis Achaenia oblonga compressa, ^m3^rginibus aculeolata Pappus rudimentanus coroniformis minimus ^{sl}^bnnullus crenulatus

- 1 CL COTULA Remy 1 c p 120 f t 4b flg 2 — Caule e basi ramoso ramisquo pulve^{ve}ruento-puberulis foil is infenonbus peuolalis bipinnatifldis, segmentis planis acutis superioribus sessilibus palmato - lobatis, omnibus utraque pagina parce puberuloviscidis capitulis terminahblis solitarus pedunculatis — Crescit in Chilensi provmcia **Coptapo**

Tnbus IV *SENECIONIDEAE* Less. — DC Prodr V 497

Subtnbus I *MELAMPODIEAE* DC 1 c. 500

2459. MKHTCOURTIA *Cass*

(DC Prodr V 503)

- 1 ^ LATIFOLIA Gardn in Hook Lond Journ of boianv VII 286 — Fohis penolatis ^ovato-oblongis vel oblongo-lanceolatis acutis baai obiusis acute serratis 3- vel 5-nervus,

utunque piloso-scabndis capitulis plumis in glomerulos terminates collectis bracteis oblongo-lanceolatis acuis. extus dense piloso-hispidis capitulis 8—9-flons involucri squamis 4 obovatis obtusissimis mucronatis, ad apicem ciliatis — Crescit prope Natividadem in provincia Goyaz Brasiliae — Herba perennis. Caules plures ex eodem in radice, $V/2$ — $2\frac{1}{2}$ —pediculis paucis ramosis hispidis foliosis. Folia opposita petiolata, ovato-oblonga vel oblongo-lanceolata, acuta, basi obtusa, 3—5-nerviis, nervis subtus prominulis, acute serratis utrinque piloso-hispida, 3—3½ poll longa 12—15 lin in petiolo 4 lin longi hispidi. Peduncululi alii elongati *small hispidi*. Glomeruli subglobosi. Capitula 2 lin longa monoica 8—9-flora. Receptaculum parvum nudum. Flores disci 7—8 corollae tubulosa obtuse 5-dentata dentibus pilosis. antherae inaequales, basi subsagittatae styli complanati indivisi inclusi, basi uncinato-dentato ciliatis, acaema nuda linearia complanata, dense villosa, calva florum unico foemineo, corolla cylindrica apice tridentata. dentibus pilosis. Styli rami duo exserti, acaema suborbiculata compressa villosa calva.

- 2 R OBLONGIFOLIA Gardner 1 t 287 — Flores breviter petiolatis oblongis obtusissimis, mucronatis? Involucrum subcuneato-paniculatum supra medium distincte serratis tuberculatis. Bracteis ovatis acuminatis, extus hispidis capitulis 9-floris involucri squamis 4 obovatis obtusis mucronatis, ad apicem ciliatis — Crescit in provincia Goyaz in Brasilia — Caules bipedales appresse pilosi id apicem simpliciter. Folia 2—2½ poll longa, 6—7½ lin lata, membranacea scabunda, petioli $V/2$ lin longi Capitula 3 lin longa
- 3 R ANGSTIFOLIA Gardner 1 c — Flores vix petiolatis imbricatis, utrinque aculeis integris vel distincte subdentatis tuberculatis, utrinque appresse pilosis capitulis ad apicem mucronatis in glomerulos subglobos collectis bracteis lanceolatis longe mucronatis, extus hispidis, capitulis 9-floris involucri squamis 4 obovatis obtusis mucronatis, ad apicem ciliatis — Flores ramosi ciliatis sesquipedales scabridi foliosi. Folia 2—3 poll longa, 2—3 lin lata scabunda, venis subtus valde prominulis. Capitula 2 lin longa — Crescit in Brasiliae provincia Goyaz prope Natividadem
- 4 R TRINUCIFOLIA Gaidner 1 c — Flores sessilibus angustissimis, margine revolutis integris, utrinque piloso-scabundis capitulis plumis in glomerulos terminales solitarios subglobos collectis bracteis lanceolatis longe acuminatis. extus hispidis. capitulis 8-floris involucri squamis oblongis obtusis mucronatis ad apicem ciliatis — Caules ramosi bipedales scabridi foliosi. Folia anguste linearia, 1—2 poll longa lineam lata. Capitula 3 lin longa — Crescit in Brasiliae provincia Goyaz prope San Domingos

2463 USTIXIA Linn

(DC Prodr V 507)

- 1 *U CAMPIDORATA L — DC 1 c no 1 — Miq Stirp Surinam select. 192, tab *

2464. BLEPHAROSPERIA Less

(DC Prodr VII 288 — Wlprs. Repert II 974)

- 1 *BL CHILIFENSE Less - DC 1 c no 1 - Remy in Gay, Hist flisc. de Chili (Boiss) IV 299. tab 48 fig 2

2476. ESPETETIA Mut.

(DC Prodr V 516)

- 1 *L ARGENTATA H. B. Kntb. — DC. 1. c no. 2 — Hook Bot Magaz tab. 4460

2476A. *IiI]VI>IIEII«ERA Gray 8f Engelm.*

(Gray G. Engelm. Dost. Journ. of nat. hist. VI 225.)

Capitulum multiflorum monoicum, flores radii 4—5 ligulati foemmi, ad axillas squamarum involucri interiorum sill, flores disci circiter 20, Jubulosi stentles Involucrum duplex, extenus e squamis 4—5 laxis uneanbus foliaceis, interius totidem membranaceo-foliceis oblongis Plams disco longioribus Receptaculum planum, paleis chartaceis ovana stenija amplectentibus onustum, buns extenoribus basi cujusque squamae inter. mol. adnatis, perbi&tenlibus. Ligulae ovaes breviter tubulatae, jiiivolucrum vix superantes, corollae disci 4—5-dentatae. Styli flons stenths nformes indivisi hispidi Achaenia ladn o\alia obcompresso-plana marginato-alata, mtus subcannata, canna apice in dentem parvum re- Jje\um producta, alis in pappum bidentatum extensis, disci abortiva — n)a monocarpica erecta scabro-hispida. caule dichotomo, pedunculis subcymoso-paniculatis gracilibus monocephahs, capituhis nutantibus; oiiis imis alteinis grosse dentatis, caetens oppositis sessihbus oblongo- walls» basi hmc inde denlatis, summis pedunculisque glanduhs pateJli- rrmibus conspeisis Flores aurei — Genus eximium, *Berlandierae* et *wgeltnanniae* cognatum.

l. *L. TEXANA A. Gray ft Engelm. 1 c. 226. — In repubhca Texana.

2477/.,. *ATSG^iATUJDWUk Endl.*

(Wlprs. Repert. VI 149)

f A (ENGELMANMA) PINNATIFIDA Endl mss — Wprs Repert. II 976 no 1. ft VI. 149. no * — Radix perennis Caulis elatua erectus angulatus hirsutus ramosus, apice corymboso-paniculatus. rami virgati alierm Folia alterna ovato-oblonga irregulariter Pinnatifida stngosa obtusa, infenora bievipeioliata, supenora scssilia, segmenta sub-tnangulan-oblonga obtusa ciliaia, plei unique integemma, ranus grosse tndentata, in-terjora divancaia, summa confluentia. Pedunculi elongati angulati graeiles erecti str'gosi fiore longwres, basi bractea (folio florali >) lanceolata Integra slngosa cihala affluta Capitula terminaha multiflora involucria hemisphaenca gluunosa stngosa. ~luamae numerosae tnsenales conaceo-chartaceae obovatoroblongae ciliatae in ap- pndicem foliaceam attenuatae, extei lores paicnies in appendicem lanceolatam qua- d ruple longiorem aitenuatae, intenores appressae appendice oblonga multo majores. P oscuh disci stentles, radii ligulati fertiles, ligulae luteae multmvea obovato-oblongae. AxtUs pubescentes, involucro Z—3-plo longiores Achaenia obovata corapressa aptera, •lorso convexa carinata. latere intenori plantuscula medio nervo elevato perducta, sca- b10 -pubeiula, apice squamis 2 lanceolatis marcescentibus oispidis coronata. — Crescit in terra Texana (prope Neubraunfels?)

2478. *MKIj'AJtIPOIHUME Linn.*

(DC Prodr. V U17 — Wlprs Repert. II. 605. ft 976)

1% M {Zmabelha) PANICULATUM Gardn. in Hook. Lond. Journ. of bot VII 287. — Her- baceum erectum ramosum gluunosum hirsutum ramis dichotomis, folia sessiubus sub* connatis ovato-oblongis acuminatis, bast acutis serroto-dentatis, supra piloto-scabris, subtua piloso-pubescentibus, pedunculis alanbus hirsutis, folio plerumque longioribus, IL

involucii squamis extensoribus oblique subrotundis abrupte acuminatis, dorso villosis, interonibus achania involventibus tuberculinis achaennis curvato-obpyramidalibus, apice truncatis et nudis, dorso strictis — Herba annua erecta bipedalis Folia 2% — 3 poll longa, 9 — 12 lin lata triplinervia Capitula 2% lin longa Flores ladu 5, tubo brevissimo villosissimo limbo profunde aequaliter bilobo Achaemia l'A lin longa — Crescit in Diasiliae provincia Gojaz propc Villa de Anojas.

2480 XASTTHIJM: *Tournef.*

(Willib in Wlprs Repert VI 150)

- 1 X CAVANH LESII Schouw, Ind sem horl Hauniens 1849 p 14 — X *onenlale* Cav Icon, t 221 — Y *chmatum* Murr — Involucio fructifero ovali-oblongo, superne attenuato, inter aculeos et ad basin rosroium luscidissimo, aculeis validis sursum curvatis. rostris incurvis, apice uncinatis — In Bonaua

2481 FRAHTSERIA *Cav.*

(DC Piodi V 524 — Wlps Repert II 607 VI 153, Annal I 412)

- 1 F TCMJIFOLIA Harv fit Gray, Plant Fendler 80 no. 378 — Caule erecto hispido. ramis diffusis gracilibus, foliis bipinnatisectis stngoso-hirsutis subcineis, pinnae segmentisque 3—7 linearibus integris seu uni-bidentatis cum lobulis paucis secus rachin angustam parce hispidam hinc inde interpositis, lobo terminali praelongo, racemis spiciformibus gracilibus in paniculam foliosam digestis, involucris masculis pedicellum aequinubus 7—8-dentatis 6—12-flores, foemineis inferne glomeratis, aculeis paucis brevissimis uncinatis armatis, mtus bilocellatis bilobis — Habitat in Nova Mexico.
- 2 FR, TOMLNTOSA A Gray, 1 c 80 no 379 — Herbacea, pube sencea molli undique argenteo-incana caule erecto (pedali) paniculato, foliis pinnato-3—5-partiti* subtus praesenim dealbatis, in petiolum brevem angustum marginatum lobulis deniformibus hinc inde appendiculatum decurrentibus, inflexis, ut videtur, bipinnatifidi*. lobis superiorum et lamealium oblongis lanceolatisve denatis seu iniegemmis, nisi terminali maximo trilobo involucris masculis in racemum densum digestis 6-dentatis 18—30* flores, foemineis in axillis supremis glomeratis ovoideis viscoso-puberulis, aculeis subulatisvalidis, apice subuncinatis obsolis atque 2 crassioribus rostratis, intus bilocellaU* bifloris — *Ambrosia lomenlosa* Nutt Gen pi II 86. — Crescit in Nova Mexico

2481A. HYMEliOCLEA *Ton. if Gr.*

(Torr. & Gray, Plant. Fendl. 79 adn.)

Capitula monoica homogama, secus rachin persistentem glomerato-spicata. Masc. Involucrum *Fransanae*, 5—6-lobum, 15—20-florum* Receptaculum parvum, paleis scariosis unguiculatis obovato-dilatatis onustum. Corolla cyathiformis 5-dentata. Antherae connatas v^{if} connatae, appendicula inflexa superatae Ovanum vix ullum, stylus ap^{ce} radiato-penicillatus *Foem* Involucrum fructiferum obovoideum seu fusiformi-clavatum conaeum clausum uniloculare uniflorum, apice in rostrum tubiforme superne scanosum desinens, extus squamis 9"-12" magnis rotundatis scariosis persistentibus, aut spiraliter imbricatis a^{ul} univerticillatis insigniter alatum. Corolla subnulla. Stamina null* Achaemum* ovoideum loculum implens. Semen et embryo ordims. *

Frutices Novo-Mexicam et California, in andis salmis vigentes, ramosissimi glabrati fohosi ramis subspinescentibus, fohis alternis filifor-roibus, subtus tenuiter incanis, infenoribus pnmato-3—5-partitis, sum^m»s mtegermms

- ¹ H SALSOLA Torr ft Gray 1 c — Involucio fructifero sirobihformi ongulalo, squamas & basi ad apiccm spiraliter dispositas rotundato-reniformes basi tuberculiformi-mcras-aitas undique gerenlc — California
- * H MONOGYRA Torr ft Gr 1 c — Involucro tupbinato-fusiforimi exangulato inferne nudo versus apiccm squama* dilaiato-obovatas basi vix crassiores in verlicillum congestas gerente — No|a Mexico

2482 AMBROSIA *Tourncf.*

(DC Prodr V 525 — Wlprs Report II 606 ft 976 VI 154)

- ¹ 'A CORONOPHOLIA Torr ft Gr — Wlprs Repeit II 976 no 2 — A Gray. Boston journ of nat hist VI 226 — A *Luidlmmenana* Scheele Linnaea XXII 156
- ² A GLANDULOSA Scheele Linnaea XXII 157 — Caulis herbaceus erecius, inferne glaber icreiiusculus sulcatus, infra medium tncbotomus rami fastigiaii, apice flexuosi °ngulati glanduloso-viscidi, pilis brevibus appressis strigosi simulque pilis elongatis Patentibus hispidi ramosi ramuli graciles alterni Folia alternn petiolata pinnatisecta calloso-mucionata, utnnque glandulis parvis igneis egregie glandulosa subtus singosa canescentia, supra glabra, margine appresse ciliata, segmenla remota linean-lanceolata Integra vel inciso-dentata calloso-mucronata, folia summa ramulorum Integra lmearii parva Racemi terminates numerosi spicati *Flores steriles* parvi ebracteati pedicellati, spicam densam formames Involucrum turbinatum ecostatatum parce stngo-um sub-8-Qoium Coiolla turbinata 5-denfUa Receptaculum paleaceum Stjlus ^ortivus inclusus *riores fertile** foeminei apetali in aiillis foliorum sobtaru Achaoni^a inermia ovoidea tricostata pubescentia. apice brevi cylindnco coronata Stylj rami elongati niiformes — Texas

2484A. KJEOEIIIA *C. H. Schultz. (Bip)*

(C. H. Schultz [Bip | Linnaea XXI 245)

Capitulum plun-(6—7-)florum subhomoganum, flonbus nempe om-
^{mb} ^{Us} tubulosis flavis bisexualibus, extenonbus fertilibus, interioribus
^{nh} ^{bus} (') unam lineam non attingentibus, tubo subinfundibuliforimi,
^l ^{ser} ^{Paulo} attenuato glabro, apice dentibus 5 ovato - tnangulanbus,
^{pt} ^{asis} superne pilis articulatis hirtis instnicto Genitaha mclusa, an-
^{ner} ^{ae} hberae nigncantes lineares, apice paulo incrassatae subemargi-
^{natae} vel retusae basi utnnque dente integro caudatae, filamenta
^{glabra} styh rami lineares subulati hirli Achaenia 3 extenora fertilia,
^A ^{jl} n longa crassa obovato-subtetraquetra, dilute brunnea, quasi cor-
^{llc} ^{ata}, sed revera corticem I e penspermii integumentum observare
ⁿ ⁱⁿ potui, breviter et sparse pubescentia, ad costas aculeis brevissimis
^{ob} ^{Uisis} n 10—12 muncata, inter quas costulae breiores 1—2 obser-
^{antur} panter muncato-aculeatae Inferne achaenia attenuantur, superne
^{ve} ^{ro} quasi sunt truncata, margine aculeis numerosis muncata, centro
^{ver} ^o in rostrum breve, y₄ lm longum abeunl globoso-cyhdraceum,
^{jp} ^{ice} pii^ brevibus simpheibus quasi pappum formantibus coronatum'
^{achaenia} non pemptus matura nondum sunt muncata, sed tantum

pubescentia. Achaenia reliqua sunt sterilia obverse lanceolato-linearia vel linearia, non muricata, sed tantum pubescentia et pappo eodem immita uli achaenia extima; insuper achaenium unum alterumve observatur intermedium, subfertile obovato-lanceolatum pubescens papposum — Involucrum duplex, foliis cernis n. 5 pi. oblongo-lanceolatis obtusis, 3 lin. pi. longis, $\frac{1}{6}$ —1 lin. lalis foliaceis, liitis more *Siegesbeckiae* vel *Melampodii*, duplo longioribus quani folia interna, fere totidem magis scariosa, acuta, pilis simplicibus elongatis margine et apice hispida. Receptaculum parvum paleis tot onustum, quot achaenia observantur, naviculanbus, achaenia et floris basin involventibus, oblongis acuminato-mucronatis, margine praecipue superne et apice pilis articulatis elongatis hispidis. — Herba dodrantalis annua erecta gracilis hispida, a basi trichotome ramosissima: caule quadrangulari, inferne 1 lin. diametro metiente. Rami et folia opposita. Folia 1 — $1\frac{1}{2}$ lin. longa, 5—8 lin. lata, ovato-lanceolata obtusa crenato-serrata breviter petiolata, petiolo gracili, pi. 2 lin. longo hispido. Capitula in cujusvis folii a\i orientia solitaria, pedicellis 1 — 3 lin. longis gracillimis insidentia, demum nutantia. Stirps habitu *Unxiatn* fere referens ob antheras sejunctas, nee concretas *Iveys* adnumerandum, certe *Tetrantho* Swartz proximum, a quo vero characteris et habitu differt.

1. *K. RUDERALIS C. II. Schultz (Dip.) 1. c. — *Melampodum? rudrale* Swtz. — DC. Prodr. V. 521. — Crescit in cultis pr. Paramaribo Surinacnsis.

2491A. HEOOHIA Am.

(DC. Prodr. VII. 289. — Wlprs. Annal. I. 413.)

1. *M. ARNOTTIANA Wght. — Wlprs. 1. c. no. 1. — Wght. Spicil. Neilgherr. II. tab. 110.

Subtribus II. *HEUANTHEAE* Less. — DC. Prodr. V. 534.

2493. ZISMRIA Linn.

(DC. Prodr. V. 534. — Wlprs. Repert. II. 608.)

1. Z. INTERMEDIA Engelm. Sktch. of the bot. of Wislic. exped. 23. adn. — Caule erecto **ramoso**, parce adpresse piloso: foliis scabris, inferioribus ovatis, basi obtusis, **superioribus subsessilibus ovato-cordatis acutis**; pedunculo apice **vix incrassato**; involucri ovarii squamis marginalis obtusis; paleis cristato-dimbriatis; radii ligulis oblanceolata^{1*} extus scabrusculis ciliatis; achaeniis radii linearibus, disci uniaristatis. — Habitat¹⁰ Nova Mexico (Cosihuiriachi.)
2. Z. PUMILA A. Gray. Plant. Fendler. 81. adnot. — Caespitosa e caudice suffrutic[^] depressa: caulibus 2 — 4-uncialibus ramosis conferte hirsulis; foliis ang^{o:1*6} linearibus multinerviis impresso-punctatis, margine cartilagineis scabris, basi con^o internodiis multo longioribus nunc fere imbricatis; capilulis parvis brevissime pe^{^um*} culatis; involucri squamis rotundatis; ligulis ovalibus luteis; paleis receptaculi **obtusissimis** apice suberosis; achaeniis disci uniaristatis aut subbiaristatis, ftargine **crassa** basi aristae ciliatis, — Crescit in Mexico septentrionali.

2496. W E D E M A *Jcq.*

(DC Prodr V 538. VII 289 — WJprs Repert II 608 VI 157. Anna] I 413)

- ¹ W (*Cyalhophma*) NATALENSIS Sonder I innaea XXIII 63 f — Tola stngosa scancinim caule herhaceo erecto lamoso folns brevissime petiolatis ovalis acuminatis grosse scrraiis liinervns, peduntulib monoccephalis folium subaequantibus mvolucn squamis exieionbus folmccis ovatis oblongisve acutiusculis scabns inteioribus minobns scauosis ciliohtis, achacnus compresso-tctragonis pilosis, cuhculo indurato dentulaio teimmati* — Pori Natal
- ² W GOYAZENSIS Gaidn in Hook Lond journ of bot VII 288 -Caule herbaceo erecto ticti sinato lursuio folus pciolaiis ovitis atulis vel subacuminatis, basi in pet'oluDi cunealo-attenuate aigute senatis luplincerviis, ulnnque adpresse piloso-hispid¹⁸ pedjcellis alanbus terminalibusque villosis folio brevionbus involucn squamis oblongo-lanccolatis foliaceis disco longiobus hispidis, ligulis acute bidentatis, achaenus l'nean-oblongis compressis pilosiusculis calyculo denliculato ciliato superalis — Herba jttsi suffuticosa erecta ramosa tnpedalis Folu 3⁴/_a—4% poll longa. 1¹/₂—2¹/₂» poll. h^{ta}, supra viudia, subtus pallida Involucrum 9—12 lin longum — Creicit in Brasihae piovincia Goya/ prope Villa de fcalividnde
- ³ W PALLIDA Gaidn I c 289 — Caule herbaceo terdti stnato hirsuto-hispido ramoso, ""nis Inisutis folus sessihbus ovato-oblongis acutis, basi rotundatis serratis quinque-nervus supri scabernmis, subtus piloso-pubescentibus pedicellis alanbus terminahbusque villosis, folio bievionbus, involucn squamis bisenatis, eztenonbus oblongo-'aoceolaiis acuus foliaceis piloso-hispidis, disco brevionbus, interionbus nunoribus, a^achaenus turgidis obpyramidalis ruguso-tuberculalis pitosiusculis calyculo subslipitdto onttgro superatis — Herba perennis 2—3-pedalJs. Folia 2¹/₂—3 poll longa, 12—18ⁱⁿ lain Involucium 4% lm longum Ligulae oblongae tndontatae, pallide luteae —
- ⁴ W^{6SCIt In Brasiliae} provincia Goyaz pi ope Natividade
 "" (*Achnopteia*) VILLOSA Gardn 1 c — Caule suffruticoso lamoso tereti stnato-villoso folus potiolatis late ovatis acuminatis, basi tiuncatib serrato-dentatis triplinervus, *upra adpresse piluso-scabndis, subtus piloso-pubescentibus, petiolis villosissimis pedicellis dd apices ramulorum 1—3 folio brevionbus vel interdum longionbua, villos⁸, mvolucn bquamis extenonbus oblongis acuminatis foliaceis, disco paulo longion¹⁰, mtimis obovatis acutis ciliatis subbrevionbus, ligiflis obiongis obscuio tridentatis. a^achaeniis disci exalatis, radii subtnangulanbus, angulis lateralibus alatis, pappo coroniformi denialo, dentibus acutis cilialis — Suffrutcx 4—6-pcdalis. Folia 4->5Vi poll¹⁰nga, 2¹/₂—3 pon lata Involucrum 6 lin longum — Crescit inter Mexico et urbem Alagoas.
- ⁵ W HOOKERIANA Gardn 1 c. — Caulo su/ruticoso tereti sinato scabndo folus petiolatis ovatis vel ovato-oblongis acutis vel acuminatis, basi in petiotum cuneato-aite* nuatis, distanter subserraio-denialis triplinervus, supra adpi ease piJoto-acabndw, subtus piloso-pubescentibus, pedicellis e dichotomia el in apice ramorum 1- 3 viliosiusculis, folio paulo brevionbus, mvoJucu squamis extenonbus oblongo-lanceolatis acutis fo^{ta}ciens membranaccis ciliatis, disco longionbus. lntenoribus oblusis brevionbus ciliatis, ligulis oblongis obtuse bidentatis. achaenus disci vix alatis, radii ulnnque late alatis, pappo coiomformi ciliato — Suffrutei subtripedalis ramosus. Folia 4 poll longa, 15—20 lin lata, sublus pallida Involucrum 7 lin longum. — Crescit in Oiasiliae provinca Piauhy prope Santa Anna das Meicds

2506/x. BAIISAMORHIZA *Nutt.*(WJpra Repert. II. 610 — *Illelaxopndia* Sect. 3 DC Prodi V 551)

- ¹. B GLABRESCENS Bnth Plant. Hartw 317 no 1785.— Folus radicalibus longe petiolatm hastato-cordatis glabnusculis, scapo monocephalo, superne puberulo, folus

(geminis) longe petiolatis lanceolatis bracteiformibus, involucri squamis externis interiores longe superantibus ciliatis — *Halmus II sagittatae*. Folium in specimen scimpedale, 5 poll latum petiolo octopollicari. Scapus pedalis. Involucri squamae extimae 1/4 poll longae foliaceae, anguste lanceolatae, interiores 6—8 lin. longae membranaceae striatae ciliatae acuminae, disco subaequali longae. Radius in specimen 14-florus, ligulis integra vel minute 2—3-dentatis. Achienia glabra nuda. Radix caulis Baludnioides (cf. *Wjethiae*⁹) specimen potius illi simile videtur vesiculosum loliiforme dehiscentem cicatrizzato et ima basi indices emittens. — Ciescit in Beat Valley montium Californiae Sacramento.

- 2 B CARLYANA A. Gray. PI Fendl 81. adn. — Cinereo-pubeiula subscabra caulo erecto, apice subvillosa 2—8-cephala, foliis longe petiolatis, dentatis scabris reticulato-venosis, radicalibus cordato-ovalibus imparibus, caulinis 3—7 parvis lanceolatis subternariis oppositis, involucri squamis biseriatis lanceolatis appressis villosulis inaequalibus, disco aequalibus, ligulis circiter 12 ovalibus emarginatis multinerviis, inferne puberulis, disco te superantibus, deinde papiraceis cum achaeniis delapsis vel taidissime articulato-scedentibus, receptaculo convexo; achaeniis tetiaquetis, apicem versus pubescentibus pinnatis, radii modice obcompressis — Ciescit in ditione Oregon.

2508/. HALE A Ton. y Gr.

(Wlprs Repert. VI. 158)

1. II LUDOWICIANA Toir. & Gi. — Wlprs. 1. c. no. 1. — A. Gray. Plant Fendlei. 83. adn. — Foliis amplis ovatis uerbis et argutissimis dentatis, superioribus late connatis, tubo corollae glabro, pappo c paleis ovalibus conatis arc 20 latitudine achaeni paulo brevioribus — Habitat in Mexico.
- 2 PI TEXANA Gray 1 c. — Bost Journ of Nat Hist VI. 227 — Gracilis* foliis oblongis vel lanceolatis sinuato-pinnatifidis tubo corollae glanduloso, pappo e squamellis subulatis exiguis aequalibus, utriusque in dimidium latitudinis achaeni aequalibus. — *Teliayonthea Texana* Gray fit Engelm. Proceed acad Americ. I. 48. — *Tetiago' nospeuna lyatifolium* Schcele. Linnaea XXII. 167. — Habitat in republica Texensi.

2513. ECHIHTACEA Much.

(DC. Prodr. V. 554 — Wlprs Repert. II. 611. & 977. VI. 159)

1. 'L UNILRMLDIA Lmdl — Van Houtte, Flore des seires IV tab. 35b (absq diagnosi). — Paxl Mag of bot. XV. 79. c. ic.

2514. BIDBECKIA linn.

(DC Prodi. V 555 — Wlprs Repeit II 611 ft S77. VI. 159)

- 1 R NUDIFLORA Benth. Bot. VII .. c. ic. ex Schleich. Bot. Ztg IX 900 — Hispida caule decumbenti-ascendente subsimplici monocephala, pedunculo longissimo; foliis radicalibus late rhombicis triplerviis remote denticulatis, caulinis inferius oppositis, radio subnullo. — Alabama.
- 2 R LANCEOLATA Beilol. 1 c. c. ic. ex Schlicht 1 c. — Hispidulo-scabra* caulo erecto simplici monocephala, foliis caulinis alternis lanceolatis innerviis integerrimis, squamis calathi recurvatis externis disco longioribus. — *Pioxna h discolor* Prsh. sed

differt folus non spathulato-lanceolatis, squamis calalhi nee ovaiis nee obtusis, paleis receptaculi non acuminatis nee apice fimbriatis — Alabama.

- ¹ K LANCLOLATA Bischoff¹, Delect sem hort Heidelberg 1848 p 4 f — Caulo ramoso angulato hispido folus lanceolatis acutis triplinerviis hispidissimis, radicalibus utrinque attenuatis, in petiolum longum decurrenibus remote denuculatis, caulibus sessilibus inferioribus basi attenuatis subspathulatis, superioribus basi rotundatis, involucri foliolis linearibus luscissimis radio quadruplo brevioribus ligulis apice bifidis, dorso adpressis hirtis nee basi magis hispidis et paleis apice non pungentibus Discus capitulorum hemisphaerico-conicus, instans specierum affinium aliopurpureus — Habitat in America boreali
- ⁴ R (?) PORTERI A Gray, Plant Fendler 83 adn — Caule gracili hirsuto, apice paniculato, foliis membranaceis lanceolate inaequaliter, utrinque acutis, basi attenuata subsessilibus indistincte trinerviis parce hispidis, superioribus denticulatis inferne setigeris ciliatis, inferioribus oppositis pedunculis gracilibus 1—2-biacieatis monocephalis, squamis involucri biserialis exterioribus anguste linearibus foliaceis acutissimis hirsutis hispidis ciliatis disco longioribus, interioribus paucis multo brevioribus oblongo-ovatis membranaceis glabris, in cuspidem acuminatis, paleis receptaculi conici consimilibus; ligulis aureis 7—9 obovato-oblongis, involucrum duplo superantibus, corollis disci flavis profunde quinquelobis glabris, styli appendicibus filiformibus subulatis hispidis ovaria calvis compressis, margine parce hispidis — Capitula us *R trilobae* minora — Crescit in America septentrionali (Georgia)

2518. *AtfoJUOSTEPHIUKI DC.*

(DC Prodr. V 560 VII 289)

- ¹ A. (*Verum*) FOLIOSUM Gardn in Hook Lond Journ of bot VII 290 — Caule fruticoso erecto ramoso ramis teretibus small* piloso-scarbis, foliis oppositis sessilibus linearibus, utrinque acutis penninerviis subserrato-dentatis, utrinque piloso-scarbis peticellis ad apices ramulorum solitatis, involucri squamis triseriatis, disco brevioribus, exterioribus ovato-lanceolatis acuminatis adpressis pilosis, apice foliaceis striatis paleis acuminatis, ligulis oblongis obtuse bidentatis, achenis oblongis hirsutis, pappo irregulariter dentato piloso coronatis — Frutex tetralix Folia conferta pollicata linaea lata Pedicelli 3—6 lin longi Involucrum 4 lin longum Capitulum flavum, ligulis late oblongis, 4 lin longis — Crescit in rupibus distinctis Adamantini in Brasilia
- ² A (*Dubia*) ANGUSTIFOLIUM Gaidn L c — Caule subramoso erecto tereti hirsuto foliosus foliis oppositis sessilibus linearibus lanceolatis, utrinque attenuatis trinerviis integris aut subdentatis, utrinque sparse villosis, pedicellis terminalibus solitatis hirsuto-villosis, folio longioribus, involucri squamis biserialis, exterioribus linearibus oblongis obtusis vel acutiusculis foliaceis laxis integris subhirsutis, disco longioribus, interioribus linearibus acuminatis membranaceis glabris, ligulis linearibus oblongis bidentatis, achenis oblongis compressis pilosiusculis, pappo irregulariter piloso-dentato-coronatis. Hebra perennis Radix lignosa Cules plures, vix pedales Folia 2 poll longa, linaea lin lata Involucrum 7 lin longum Capitulum flavum, ligulis pollicem longis. Crescit ad montes in provincia Minas Gerais Brasiliae

2520. *OYJIOirOPSIS DC.*

(DC. Prodr. V. 561 VII 289. — Wlpr Repert II. 612 VI 160)

- ¹ G FRUTICOSA Gardn in Hook Lond. Journ of bot VII 291. - Fruticosa erecta ramosa ramis teretibus striatis adpressis pilosis - hirtis, ad apicem conferte foliatis. foliis vix petiolatis oblongo-lanceolatis acutis penninerviis margine integris revolutis

supra sparse piloso-aspen's, subtus adpresse tomentosis; pedicellis terminalibus *soli* lariis hirsulis, folio brevioribus; involucri squamis triscialis lineari-oblongis obiusis subacqualibus laxis, exterioribus subfoliaceis hirsulis, intimis glabriusculis ciliatis coloralis; ligulis oblongis obtuse bidentatis; achaeniis junioribus linearibus villosis. pappo calyctilalo integro ciliato superatis. — Frutex 3-pedalis. Folia opposita, 12—15 lin. longa, 4/* lin. lata, supra viridia, subtus pallida, venis sublus prominulis. Capitula 6 lin. longa lutca. — Crescit in montibus Serra de Pidada in provincia Minas Gerais Brasiliae.

2. G. KUNTHIANA Gardn. 1. c. 292. — Caule herbaceo credo subramoso dense piloso-pubescente; foliis petiolatis ovalis ncutis, basi truncato - subcordatis trinerviis minute serrato-dentatis, supra adpresse pilosis, subtus piloso-tomentosis; pedicellis terminalibus pilosis; involucri squamis biscialis, exterioribus oblongis obiusis foliaceis, disco longioribus, internis membranaceis minoribus; ligulis obtuse bidentatis; achaeniis obovalis obscure letragonis glabris, pappo vix denlalo brevissimo coronalis. — Herba perennis 2—4-pcdalis. Folia opposita, 3—5 poll, longa, 18 — 22 lin. lata, petioli 6—8 lin. longi. Capitula (lava. — Crescit prope Concciraõ in Brasiliae provincia Goyaz.
3. G. MICROCEPHALA Gardn. 1. c. — Caule herbaceo erecto ramoso pubescente; foliis petiolatis ovalis aculis, basi in petiololum cuneato-attenuatis tripliuerviis serratis, ulrinque sparse adpresse pilosis; pedicellis terminalibus 2—3-plo, folio multo brevioribus; involucri squamis lanceolatis obiusis foliaceis pilosis, disco paulo longioribus, intimis minoribus; ligulis obtuse bidentatis; achaeniis obovalis pubescentibus, demum muricatis, pappo coroniformi integro subslipitalo superalis. — Herba annua bipedalis. Folia opposita, 2/a poll. longa, 12—15 lin. lata. Involucrum 372 lio. longum. — Crescit in Brasiliae provincia Goyaz prope Villa de Natividade.
4. *G. UNISERIALIS Hook. — DC. 1. c. VII. 289. no. 11. — *Aldama uniserialis* Gray, Bost. journ. of nat. hist. VI. 288.

2521. WUIFFIA Neck.

(DC. Prodr. V. 563. - Wlprs. Repert. II. 612.)

- i. W. CAPITATA C. H. Schultz (Dip.) Linnaca **XXI**. 246. — *Tilcsia capitata* C. F. Mey. — Miqu. Linnaea XVIII. 596. — DC. Prodr. V. 549. (cf. Wlprs. 1. c. no. 1.)
3. W. SUFFRUTICOSA Gardn. in Hook. Lond. journ. of bot. VII. 292. — Caule suffruticoso ramoso scandente: ramis aogulato-striatis scabris; foliis petiolatis ovato-oblongis acuminatis, basi aculis, grosse et argute serratis. ulrinque scabris; pedicellis ternis ad apices ramorum et ramulorum; involucri squamis exterioribus lanceolatis acuminatis hispidissimis, intimis paleiformibus; paleis oblongo-lanceolatis acuminatis, a pice vix incurvis; ligulis 8—12 involucri subduplo longioribus. — Suffrutex scandens. Folia 3% — 5/a poll, longa, 15 — 20 lin. lata, subtus grosse reticulato-venosa, venis valde pioraiuulis, petioli 5 — 7 lin. longi. Ligulae oblongae obscure dentatae flavae* — Crescit in Brasiliae provincia Goya* prope Natividade.
3. W. LONGIFOLIA Gardn. 1. c. 293. — Caule scandente hexagono scabro; foliis petiolatis ovato-oblongis longe acuminatis, basi obiusis serratis, supra scabris, subtus pubescenti-tomentosis; pedicellis terminalibus ternis, pedicello medio brevioribus; involucri squamis exterioribus oblongo-lanceolatis acutis hispidis, interioribus paleiformibus; paleis lanceolatis, apice pungentibus vix incurvis; ligulis 8 circiter involucri duplo longioribus. — Herba basi sublignosa. Folia 6 — 8 poll, longa, 20—30 lin. la** supra viridia, subtus pallida venosa, venis prominulis, petioli 8—10 lin. longi villosi* Ligulae oblongae obtusae bidentatae flavae. — Crescit in montibus Urganensibus 300* ped. alt. fit ad Rio de Janeiro.

4. W. ELONGATA Miqu. Siirp. Surinamens. select. 193. f — Scabra: caulibus tetragonis, lateribus concavatis; foliis elliptico- vel oblongo-lanceolatis attenuato-acutis, basi plerumque acutis serrulatis coriaceis, utrinque scabris, nitidis, subtus pallidis, venis disjunctioribus quinque vel sex curvatis ascendentibus, ante marginem unitis; capitulis ramos ramulosque icriminantibus ternis, modio breviter, lateralibus longe pedunculatis; pedunculis lateralibus aliquando trifidis tricephalis. — Crescit in Surinam.

2524A. SAUBIUHETIA Remy.

(Remy in Gay, Historia de Chile [Dot.] IV. pag. 282. tab. 49.)

Capitulum multiflorum heterogamum radiato-discoideum. Involucris seriatis squamae subimbricatae, disco subaequilongae. Receptaculum nicticum, paleis latis flosculos aequantibus onustum. Corollae radii uniseriales ligulatae foemineae fertiles, ligula disco subaequilonga vel brevior, disci tubulosae hermaphroditae quinquentatae, plerumque simplex. Antherae caudatae. Styli florum foemineorum rami obtusi brevissimi, florum hermaphroditorum extus puberuli, apice, trinangulares. Involucris epigynus crenulatus. Achaenium radii accretum piano-compressum, late marginatum obovatum, apice bicornulatum glabrum, disci brevius, unico cornu superatum. Pappus nullus.

- 1* s. HELIANTHOIDES Remy 1. cit. pag. 284. t. tab. 49. — Caule erecto cylindrico; foliis ternis oblongo-lanceolatis, tonge tuncurrentibus acutis, irregulariter serratis, utrinque pubescentibus; capitulis terminalibus paucis pedunculatis. — Crescit in Chile prope Coquimbo.

2529. COREOPSIS Linn.

(DC. Prodr. V. 569. VII. 289. — Wlprs. Repert. II. 613. ft ST9. VL 162.)

- 1# *C. HOSEA Nutu — Wlprs. Repert. II. 982. no. 26. — Torr. Flor. of New York I. 386. tab. 57.
- 21 c. SENIFOLIA Michx. — Knze. Hort. Lips. sem. 1849. coll. p. 1. adn. — *Chrysostemma twifolium* Shuillew. infss.
- 3 c. CALLOSA Berol. Misc. bot. VII. . . . c. ic. ex Schleichd. Bot. Ztng. IX. 900. — Capitulum tetragono erecto; foliis subcoriaceis obtusis integerrimis uninerviis, inferioribus oblongis lanceolatisve, superioribus linearibus; calathi squamis striatis coloratis* externis, internis oblongis; ligulis radialibus sub-8-nis, apice grosse obuseque dematis. — Alabama.
- c. METEROPHYLLA Bertol. 1. c. c. ic. ex Schleichd. 1. c. — Caule tetragono erecto. Capitulum ramoso; foliis ternatis, inferiorum foliolis ovatis serratis, superiorum lanceolatis acuminatis subintegris; squamis calathi biserialis. serie singula 8; achaeniis elliptico-oblongis glabris bialatis, apice bidentatis. — Alabama.
- 5 c. ASMINIFOLIA Bertol. 1. c. c. ic. ex Schleichd. I. c. 901. — Caule tetragono dichotomo; foliis imparipinnatis. foliolis ovatis lanceolatisve integris, basi deoatis, impari oblongato acuminato simplici trisetove; calatho ordine duplici, singulo 8-phylo; chaenio cuneato-oblongo compresso bialato, apice bitulo emarginato - bideatalo. — Alabama.
- 6 c. CUSPIDATA Bertol. 1. c. c. ic. ex Schleichd. 1. c. — Caule tetragono erecto; foliis simplicibus ternatisve. foliolis lanceolatisve serratis, impari longiore petiolo longiore. — Achaeniis cuneato-oblongis compresso-tetragonis, pappo quadridentato pubescenti. — Proxima *C. muticae* DC. — Alabama.

2529/2. *COSHIUHJJfi Nutt.*

(Wlprs. Repert. VI. 164. II. 615.) omnino'dclendum et cum THELKSPERMATE (cf. infra p. 870. no. 2569.) consociandum, nam:

COSMIDIUM FILIFOLIUM Ton*. & Gr. = THELESERMA FILIFOLIUM A. Gr.

COSMIDIUM GRACILE Torr. & Gr. = THELESERMA GRACILE A. Gr.

COSMIDIUM SIMPLIGIFOLIUM A. Gr. = THELESERMA SIMPLICIFOLIUM A. Gr.

2530. *ACTHVOMERIS Nutt.*

(UC. Prodr. V. 575. VII. 290. — Wlprs. Report. U. 615. ft 982.)

1. A. WRIGHTU A. Gray, Plant, Fendler. 85. adn. — Gaulibus gracilibus undique foliosifl. apice subcorymbosis: ramis paucis superne nudiusculis monocephalis; foliis oppositis summisve alternis ovalis grosse serratis iriplinerviis crassis, utrinque scaberrimis, basi cuneatis vel abrupte angustatis sessilibus, baud decurrentibus, plerisque internodiis* duplo longioribus; involucri hemisphaerici squamis ovatis obtusissimis 3—4-seriatis imbricatis, disco fructifero convexo brevioribus; receptaculo convexo; ligulis 9 — *^ elongatis; achaeniis oblongis late alatis, apice emarginato nudis, aristis rudimentariis* dentiformibus alac adnatis. — Crescit in republica Texensi.

2532. *OYEDAEA DC. (nee Ogedaea.)*

(DC. Prodr. V. 576.)

1. O. ANGUSTIFOLIA Gardn. in Hook. Lond. journ. of bot. VII. 293. — Ramis asperis* villosis; foliis subsessilibus anguste lanceolatis vel lineari-lanceolatis, utrinque acutis integris triplinerviis, utrinque adpresse piloso-scabris, junioribus petiolisque sparsis villosis; involucri squamis exterioribus oblongo-lanceolatis acutis foliaceis hirtis, interioribus minoribus membranaceis. — Herba basi sublignosa. Gaules plures ex eadem radice, decumbentes sesquipedales r a m o s i. Folia opposita, 1% — 2 poll. longa, 3/4 lin. laia. Pedicelli terminales, 4—5 poll, longi villosi. Involucrum triseriale. squamis exterioribus 4/5 lin. longis. Ligulae 8 obtusissimae integrae. Achaenia radii abortiva linearia compressa, margine ciliata. pappo triaristato aristis subconnatis superata, disci compressa subalata cuneata pilosa, apice profunde lateque emarginata biaristata, aristis miomibus basi concretis bine inde interjectis. — Crescit in Brasiliae provincia Piahy prope urbem Oeiras.

2532/1. **ECHINOCEPHALUM** Gardn.

(Gardn. in Hook. Lond. journ. of bot. VII. 294.)

Capitulum heterogamum: floribus radii ligulatis noutris uniseFia^ff
disci tubulosis quinquedentatis hermaphroditis. Involucri triser^{la}
squamae subaequales, exteriores subfoliaceae. Receptaculum \odot n i ^
paleaceum, paleis complicatis longe acuminatis pungentibus m—
branceis persistentibus. Antherae nigricantes subexsertae. ^{styli}
rami hispidi appendiculati. Achaenia radii abortiva obovata ^{com}
pressa, pappo quinquearistato, aristis setiformibus inaequalibus ^{scabris}
caducis superata, disci obovata compresso-subtetragona, pappo 12—16
aristato, aristis inaequalibus caducis coronata. — Herbae annuae ^{Bra}

silienses *Oyedaene* facie: ramis tetragonis adpresse piloso-scabris; foliis Petiolatis, inferioribus oppositis, superioribus alternis ovatis vel lanceolatis, acuminatis, grosse serrato-dentatis, utrinque adpresse piloso-pubescentibus; capitulis pedunculatis subcorymbosis, demum subglobosis; floribus luteis.

- * E. LATIFOLIUM Gardn. 1. c. — Ramis adpresse piloso-scabris; foliis longe petiolatis ovatis acuminatis, basi subcuneatis inaequaliter grosse serrato-dentatis trinerviis, utrinque adpresse piloso-pubescentibus scabridis; pedunculis terminalibus subcorymbosis; involucri squamis exterioribus lanceolatis acuminatis hispidis, interioribus paleiformibus. — Annum, 1¹/₂—3-pedale erectum ramosum. Folia opposita, summa alterna, 3-4¹/₂, poll, longa, 1—2¹/₂ poll, lata, petioli villosi. Involucrum 3 lin. longum. Ligulae late oblongae obtusissimae, obtuse bidentatae. — Crescit in Brasiliae prov. Ceará.
- * E. ANCEOLATUM Gardn. 1. c. 295. — Ramis adpresse piloso-scabris; foliis petiolatis ovato-lanceolatis, versus apicem valde attenuatis acuminatis, basi obtusiusculis serratis tri-vel subtriplinerviis, utrinque adpresse piloso-pubescentibus scabridis; pedunculis terminalibus subcorymbosis; involucri squamis exterioribus oblongo-lanceolatis acutis hispidis, interioribus paleiformibus. — Annum 2—3-pedale erectum ramosum. Rami superiores dichotomi. Folia opposita, summa alterna, 3—4¹/₂ poll, longa, 6—12 lin. lata. petioli 4—6 lin. longi villosi. Involucrum 3 lin. longum. Ligulae late oblongae obtusissimae, obtuse bidentatae. — Crescit in Brasiliae prov. Ceará prop* Aracaty.
3. E. ANGUSTIFOLIUM Gardn. 1. c. — Ramis subscabris; foliis petiolatis lineari-lanceolatis, utrinque attenuatis subtriplinerviis. distanter dentatis. utrinque adpresse piloso-pubescentibus scabridis; pedunculis terminalibus subcorymbosis; involucri squamis exterioribus lanceolatis acuminatis. interioribus paleiformibus. — Annum bipedale erectum ramosum. Folia 3—6 poll, longa. 6-10 lin. lata. petioli villosi. Involucrum 3 Un. longum. — Crescit in provincia Goyaz prope Sap6.

2532¹/₂. SBRPAAE A Gardn.

(Gardn. in Hook. Lond. Journ. of bot. VII. 296.)

Capitulum multiflorum heterogamum: floribus radii neutris ligulatis uniserialibus, disci tubulosis hermaphroditis. Involucrum hemisphaeriforme, squamis triseriatis subaequalibus, exterioribus foliaceis ovatis obtusis reticulatis serrato-dentatis, intimis oblongis obtusis membranaceis. Receptaculura conicum paleaceum, paleis lineari-oblongis obtusis haenia amplectentibus. Styli rami exserti subulati hispidi. Achaenia radiata inquetra vix subulata, angulis in aristam persistentem productis, setis setiformibus paucis interjectis, disci compressa biangulata, vix plana. — Herbae perennes Brasilienses habitu *Helianthi*: ramis teretibus; foliis oppositis, petiolatis oblongis vel ovatis, serrato-dentatis, triplicinerviis scabris; capitulis longe pedicellatis terminalibus, soctams vel ternis; floribus luteis.

- x. 8. OVATA Gardn 1. c. — Caule ramoso; ramis pubescenti-tomentosis; foliis petiolatis ovatis. utrinque obtusis serratis triplinerviis. supra scabridis. subtus pubescenti-tomentosis. pedicellis terminalibus ternis; involucri squamis exterioribus in appendicem foliaceam subrotundam reticulatam tomentosam productis. intimis ovato-oblongis obtusis glabris — Herba perennis erecta ramosa bipedalis. Folia opposita 2-3 poll. longa, 15—20 lin. lata. Pedicelli tomentosi. 3 poll, longi. Capitulum subglobosum. Involucrum 4 lin. longum. — Crescit in Brasiliae prov. Goyaz prope Arrayas.
2. S. OULONGA Gardn. 1. c. 395. — Caule simplici piloso; foliis petiolatis oblongis. utrinque acutiusculis serrato-dentatis triplinerviis, subtus grosse reticulato-venosis,

vcms prominulis, iitnnqnc piloso-scabndis pedicellis terminalibus solitams elongatis
vcisus apicem birsulis involucri squamis extenonibus in appendicem foliaceam obo-
vatim obtusum glanduloso-dentatam minutam produclis, intimis lincari - oblongis ob-
tuse glabris — Herbd pennis Caulcs plurts ex endem rndicc sesquipochlts Folia
opposita $3\frac{1}{2}$ —4 poll longa 12—15 lin laia Podicelli *b* lin longi Lapiulum hemi-
sphaoucum Imolucium 5 lin longum — Ihibilat in Bi isilia

2533 SOTSI* *Pers.*

(DC Piodi V 577)

- 1 *S CALVA A Grav. Dost journ of nat lust VI 228 — *Jiaralha calva* Grav & En-
gelm Proceed Amenc aend I 40 — Librum citatum non vidi
- 2 S CAISESCENS A Gra\, Plant Fendlei 85 ndn — Ciule basi folnto simplici. ^toperne
longe nudo 1—3-cephilo folus incano - hirsulissimis ilterms vel imis subiosulatis
obovalis rhombeisve, sacpius intrgrnmis, bisi inncivatis subsessilibus, summis ad
biacteis parvas reductis, involucri tusciiali squimis villosissimis, ligulis maximis
cuncito-obovatis, apice subtnlobis tubo piloso gracili disrnm aequantestipitatis achafli-
niis oblongo - cunciformibus pilis argencis pracsertim ad margines longissimis villo-
sissimis at istis lincau. ^ubulatis coiollm subaequantilibus — In icpublica Texensi
- 3 S SUDARISTATA A Gray 1 (81 adn — Humilis stn^oso-Inspida caulibus ramisve
iscendulibus apice nudo jtedunculifoimi monoccpialis loins Inspido-incanis ti lan-
gulin-o\atis soiiatis, supcnoribus hiistato-tnlobatis, summis nlterms, petiolo immar-
ginato basi auriculato, in\olucn cano - villosi squamis aequilongis ligulis 8—10 bre-
\ibus aclnenus glab is, margmibus superne ciliolatis, apice cmaignata anslcllis i
vel 2 inimnis donatis \el abortu vix bidentatis — Crescit in Mexico ad Monieio

2534. VIGUIER% // *B. Knth.*

(DC Prodr. V 579. — Wlprs Report II 615 982 VI 164 — Girdn in Hook Lond.
journ of bot VII 396 — *Leighia* Cass - DC I c 380 - Wlprs I c II 615 VI. 165
— *Harpalium* Cass — DC 1. c 583 — Wlprs 1 c II 616)

Capitulum multiflorum heterogamum: floribus radii neutris ligulatis.
flonbus disci tubulosis liennaplnoditis Involucri squamae bi- aut
plunsenatae, aequales aut inaequales laxae aul sincte imbiicatae,
exleiores apice saepe in appendicem foliaceam productae. Recepta*
culum aut convexum, palcis magis minusve amplectentibus persistentibus
obtusis aut acununatis. Cuiollae disci tubus bievis, faux amphor cylin-
dracca, denies qumque St>U lami appendiculati. Acbacnia ladu ab-
ortna lineaiid pappo, 2—3-anstato anstelhsque aut coroniformi dentato
jsuptiala aut calva, disci obo\ato-oblon^a compressa, pappo 2—3-
anstato el plunquamcllato, squamellis acutis saepe basi connatis. -J
Heibae aut suflruticcs Amoncanae, habitu *Hehanthi*. folus alternis vel
oppositis, integiis vel serrato-dentatis tiiplinuvns vel ranter penni*
ncnus, capitulis pedicellatis sohtaius aut subcoi>mbosis, flavis

Sect I. *EUVIGUIERA* Gardn in Hook Lond journ. of bot VII 397.

In\olucium bisenale, squamis subaequalibus, extenonibus apice &
appendicem foliaceam pioductis Achacnia radii et disci pappo 2-^3-
diistalo diistellisque superata.

- 1 V HIRSUTA Gardn I. c. 397. — Caule simplici vel subnmoso erecto tereii hir-
foiloso, folus oppositis subsessilibus oblongo-lanceolnus, utnnque acutis tnplinerviis<

margine glanduloso-denticulatis, utnque sparse hirsuto-villosis: pedicellis terminalibus solitary, dense hirsuto-villosis folium snbaequaniibus involucu squamis bisenatis, exteiioilms oblongo-lanceolatis aculis foliaceislaxis mlegi is hirsutis, disco longionbus, iniimis lincaii-oblongis obtusis membranaceis, margine nd apicem ciliolatis, ligulis lmean-oblongis bidentatis atliacnns oblongis compressis villosis, pappo anstis 2—3 et squameilis acutis irreguhnbiis plunmis constante — Radix lignosa Caules plures subpedales Folia opposita 2—2% poll, longa, 6—9 lin lata Involucrum 10 1M longum Capitulum flavum, ligulis pollicem longis — Crescit in provmcia (eaia in monlibus ..Seira de Araripe¹ in Brasilia

- 2 V ELEGANS Gardn 1 c 398 — Caulis simplici erecto tereti stnaio huto folioso, folus oppositis subsessilibus usiancrolaiis, udinque nttenuatis tnplincerviis, margine glanduloso-denticulatis, utnque piloso-linsuits pedicellis teiminnlibus hirsutis folio brevibus soljiarns jnvolucn squamis bispnatis, extcnonbus oblongis acutis foliaceis hnta margine subdentiulati*, exclus hirsutis, disco longionbus, mtimis lmeanbus acumntis membranacus pubciulis ligulis oblongis acute bidentis, achaemis oblongis compiescis villosis, pappo anstis 3 circiter et squamelus acutis pilosis subirregulibus plunmis constanc — Radix usque ad colliira lignosa Caules phires ex eadem ladice vix pedales Folia opposita, 2—3 poll longa, 6—8 lin hta Involucrum 8 hn longum. Capitulum fldvum, ligulis pollicem longis. — Crescit in provincia Goyaz prope \ ilia de Airayas in Biasilia
- 3 V GLABRA Gaidn 1 c 399 — Caule simplici erecto slnato lereti glabi lusculo. folus oppositis sessilibus linoin-lanceolatis, utnque attenuatis tnplineiviis integernnis, utnque glbnusculis pedicellis teiminnlibus solitmus, folio sublongionbus, involucn squamis bisenatis, extrnoribus line in-lanceolatis acutis foliaceis glabnusculis, disco longionbus, iniimis lmeanbus acuinntis. ligulis oblongis obtusis obscure bidentatis, achacnus linean-oblongis pilosis subcnlxis inaristatis et pircc squamellalis — Radix lignosa failles plures semipedfles. Folia opposita. 2% poll longa, 3 lm. lata Involucrum 6—7 lin longum Capitulum flavum, ligulis 10 1m longis — Crescit in Brasiliae provinciae Gojaz prope Nossa Senhora d Abadii
- 4 V HUMDOLDTIIANA Gardn. I. c. 398 — Caulo subramoso erecto tereti stnato pubescente, loins oppositis sessilibus oblongis, utnque acutis vel oblusiusculis tnplincerviis senaijs, utnque puberubs pedicellis terminalibus solitarus, folio multo longionbus; involucn squamis bisenatis, exteiionhus lanceolalis obtusis foliaceis puberulis disco longionbus, intinus oblongo-lanceolads acuinntis, ligulis oblongis obtusis tndentatis, ochaenns oblongis compressis glabns 2—3-anstatis, anstis scabndis, squameilis intemedus paucis aculis — Radix lignosa Caules pluies subpedales. Folia opposita, l'/t—2 poll longa, 6—8 lm lata Involucium 6—8 lin longum Capitulum flavum, ligulis pollicem longis — Cresnt in locis indis pi ope Nossa Senhora dAbadia m provincia Goyaz Brasiliae
- 5 V BONPLANDIANA Gardn I c 399 — Caule erecto ramoso tereti stnaio villosusculo, folus oppositis peliolatis ovoto-oblongis vel oblongo-lanceolatis acutis, basi in PMiolum cuneato-attenuatis triplincerviis seirato-dentatis, utnque adpiesse pilosis, petiohs MIOSIS, pedunculis teiminalibus soluains, folio multo longionbiis, jnvolucn squamis bisenalis, cxlerionbus linean-oblongis aculis foliaceis pilosis nliais, intunis linenu-lanceolatis acuminatis membianaceis glabns. ligulis lato oblongis obscure bidentatis achaenus oblongo-cuneatis^ompiessis villosis bi—triansiatis, squameilis mteimedus plunmis basi connotis — Ciescit in locis plants Brasiliae, provinciae Piauhy, nter Boa Esperanca et Santa Enna das Mercas.
- 6 V. KUMHIANA Gardn 1 c — Caule simplico erecto tei eti stnato ghbnusculo, folus opposjt,s sossilibus lmeanbus trineivus mlegns adpresse pilosis, pedunculis 'erminibus solitarus olongatis piloso-puborulis, involucn squamis bisenalis. extrnoribus oblongis acutis subfoliaceis scabns, disco vix longionbus, mtimis lanceolatis aciitis,

ligulis lanceolatis profunde bifidis, lobis ovatis-oblongis compressiusculis glabris 2—3-angustatis squamellis intermedias plicis acuminatis — Herba perennis. Folia opposita, 2—3 poll longa, 1—1½ lin lata. Involucrum 4 lin longum. Capitulum (lavum) ligulis 10 lin longis — Crescit in Brasiliae provincia Goyaz prope nu^m Duiro

- 7 V TENUIFOMA Gardn. 1 c 400 — Caulis simpliciter erecto tereti adpressis piloso-pubescentibus, foliis alternis vel inferius oppositis, longe linearibus acuminatis nervis distantibus minute denticulatis, utrinque adpressis pilosis pedunculis terminalibus soli tantis, folio longioribus, involucris squamis biternatis, utrinque linearibus lanceolatis acuminatis foliaceis luscis, disco longioribus acuminatis junionibus linearibus oblongis pilosis bi-angustatis squamellis intermedias lanceolatis laceratis, basi connatis — Herba perennis. Caulis pilosus, sesquipedales. Folia 4—5½ lin longa, IVI—2 lin. Involucrum 6 lin longum, ligulae ignolae — Crescit in montibus Serra do Cunal del Rey in provincia Minas Geraes Brasiliae
- 8 *V BRLMPES DC Piodr V 578 — A. Gray, Boston Journ. of Nat. Hist. VI 228. — V. Tectana Torr. f. Gr. — Wipr. Report II 928 no 1 (var) — *Helminthotheca laefolia* Schecle, 1. inna XXII 160

Sect. II. *IXICUA* Cass. — (D. Piodr. V 580 — Wipr. Repert. U. 615. VI 165.)

Imbricium bi-angustatum, squamis imbricatis in appendicem foliaceam patulo-squamosam productis. Achaenia radii et disci pappo bi-angustato anastellisque superata.

- 9 V ATTLMATA Gardn 1 c 400 — Caulis suffruticosus caetero ramosus teretibus stans piloso-pubescentibus foliis oppositis longe lanceolatis acuminatis inpluribus, distantibus serrulato-denticulatis, supra adpresso piloso-scabris, subulso puberulis, secus nervos pilis adpressis scabris pedicellis ad apices ramorum 1—2 hirsutis, folio brevioribus involucris squamis (seriatis, exterioribus lanceolatis acuminatis foliaceis subpatulis hispidis, disco brevioribus interioribus membranaceis, pileis longe acuminatis ligulis oblongis, acute bidentatis, involucro vix duplo longioribus, achaeniis villosis 2—3-angustatis et plunquamellulis — Suffrutex ramosus, 4—5-pedalis. Folia 4—10½ lin longa, 9—18 lin lata, petioli 2½ lin longi. Involucrum 4½ lin longum. Capitulum flavum, ligulis 6 lin longis. — Crescit in Brasiliae provincia Goyaz prope Villa de Airayas
- 10 V ASPERRIMA Gardn 1 c 401 — Caulis suffruticosus caetero ramosus teretibus striatis piloso-scabris foliis oppositis sessilibus lanceolatis acuminatis inpluribus distantibus serrato-denticulatis, supra adpressis piloso-scabris, subulso pubescentibus, pedicellis 1—2 ad apices ramorum oppositis folio longioribus involucris squamis imbricatis, exterioribus ovato-oblongis obtusis foliaceis hispidis apice squarrosis, disco brevioribus subpatulis oblongis acuminatis, ligulis oblongis, obtuse bidentatis, achaeniis pilosis bi-angustatis et plunquamellulis — Suffrutex lupuloides. Folia 3—3½ poll longa, 8—10½ lin. Involucrum 3½ lin longum. Capitulum flavum, ligulis 5 lin longis. — Crescit in provincia Goyaz Brasiliae
11. V FLORIBUNDA Gardn 1 c — Caulis suffruticosus erecto ramoso teretibus striatis piloso-scabris foliis oppositis sessilibus linearibus lanceolatis acuminatis, basi attenuatis perennivens imbricato-denticulatis, utrinque adpressis piloso-scabris, pedicellis ad apices ramorum 1—3 subcorimbosis, involucris squamis ternatis, disco brevioribus, exterioribus oblongis, acutis scabris apice foliaceis subpatulis paleis oblongis 2—3-dentatis, achaeniis oblongis compressis villosis biaristatis et plunquamellulis, anastellis paucis — Suffrutex 4-pedalis. Folia 4—5 poll longa, 5—6 lin. lata. Involucrum 4 lin longum. Capitulum flavum, ligulis 7½ lin longis — Crescit in Brasiliae provincia Goyaz prope Villam de Airayas

*2. V. RAMOSISSIMA Gardn. I. c. 402. — Caule suffruiicoso erecto ramoso tereti striato piloso-scabro; foliis oppositis petiolatis lanceolatis, utrinque ottenimtis penniveniis vel subtriplinerviis serratis, ulrinque adpresse piloso - scabris; pedicellis ad apices ramulorum subpaniculato-corymbosis; involucri squamis triseriatis, disco brevioribus, exterioribus abrupte et brevier acuminatis scabridis ciliatis, apice foliaceis subsquamo^sJs; paleis oblongis membranaceis acuminatis; ligulis oblongis crbscure bidentatis; achaeniis villosis biarisialis et squamellatis. — Suffruicx 3—4-pedalis. Folia 2V_a—4 Poll, longa. 6—8 lin. lata. petioli 2 lin. longi longi villosi. Involucrum 4¹/₂, lin. Ion-gum. Capitulum ilavum. — Crescil in Drasilac provincia Piauby ad flumen Gurgea.

⁴²
*3. V. GRACILIS Gardn. I. c. — Caule suffluicoso erecto ramosissimo tereti striato, ad-
presse piloso-scubrido; foliis opposite sessilibus, l'atē linearibus, utrinque attenuatis
ti'iplinerviis vix denticulatis, utrinque piloso - scabris:- pedicellis ad apices ramulorum
1—3 subcorymbosis; involucri squamis triseriatis, disco parum brevioribus, exterio-
nbus oblongo-lanceolatis acutis scabris cilimis, apice foliaceis patulis; paleis longe
Acuminatis; ligulis oblongis hidentatis: achneniis villosis 2—3-aristatis et plurisqua-
mellatis. — Suffruicx 2—3-pedalis. Folia 2—4 poll, longa, 2—3 lin. lata. Involu-
crum 4 Jin. Ion gum. Capitulum flavum. — Crescit in Brasiliāe provincia Goyaz prope
»an Domingos.

Sect. III. HARPALIZIA Gardn. I. c. 402.

Involucrum 3—4-seriale, squamis imbricatis ovatis vel **oblongis** acutis vel obtusis inappendiculatis. Achaenia radii **pappo coroniformi** uentato superata, disci pappum 2—3-aristatum et squamellatum gerentia.

¹⁴« V. OBLONGIFOLIA Gardn. 1. c. 402. — Caule erecto simplici aut ad apicem ramoso tereti striato birto; foliis oppositis brevissjme petiolatis oblongis acutiusculis triplinerviis integris, utriquo piloso-scabris; pedicellis terminalibus solitariis valde elongatis; involucri campanulati squamis oblongo-lanceolalis scabris ciliolalis imbricatis; paleis JJnearibus acuminatis; achaeoiiis glabris, radii pappo coroniforroii d«ntato superatis, ^'sci triaristatis, squamellis intermediis paucis minimis. — Herba perennis. Radix lignosa. Caules plures subbipedales. Folia summa alterna, 2—2¹/₂ poll, longa, 8—10 Hn. lata. Involucrum 5 lin. longum. Capitulum llavum, ligulis oblongis acutis inte-^{^ri}» 9 lin. longis. — Crescil in Brasiliae provincia Goyaz, Mission of Duro.

¹¹ V. NERVOSA Gardn. 1. c. 403. — Caule erecto simplici vel versus apice in ramoso tereti striato hliio; foliis oppositis subsessilibus elongato-lanceolato-linearibus, utrinque attenuatis triplinerviis integris, utrinque piloso-scabris; pedicellis terminalibus solitariis vel ternis valde elongatis; involucri campanulati squamis oblongo-lan«eolatis acuminatis scabris ciliolatis; paleis linearibus acuminatis; achaeniis glabris, pappo coroniformi subdentato superatis, disci biaristalis, iiristis elongatis, squamellis interne-^t's paucis laceratis. — Herba perennis. Radix lignosa, caules plures ex eadem radice ^{s*}squipedales et ultra. Folia semper opposite, 3—& poll, longa, 4Va—6 lin. lata, r'gida scaberrima. Pedicelli 6—12 poll, longi. Involucrum 6 lin. longum. Capitulum flavum, ligulis lineari-oblougis obscure bidentUs, 9 lin. longis. — Crescit in Brasiliae provincia Goy«z.

*& V. ROBUSTA Gardn. 1. c. — Caule erecto ad a pic em ramoso tereti striato villosiusculo; foliis alternis sessilibus oblongis acutiusculis triplinerviiv, marginerevolutis, serratio - dentatis, aupra scabris nilidis, suktus piloso-pubescentibus; capitulis ad apices ramulorum 1—2 breviter pedicellatis; involucri hemisphaerici squamis ovalibus obtus^s pilosis ciUaiif imbricaiis; receptaculo convexo; paleis obtusissimis; achaeniis ladii Unearibus triangularibvrs pilosis, pappo coroniformi dentato superalis, disci obloagis pilosis biaristatis, squamellis intermediis laceratis subaequalibus. — Herba pereanis. Caules plures ex eadem radice, »—3-pedales. Folia l'A —3 poll, longa, 8—10 lin.

lata, subtus pallida reticulata, venis pronnulis Involucrum 4 lin Ion gum. Capitulum flavum, ligulis obscure tridentalis, 6 lin longis — Crescit in Brasiliae provincia Gojaz prope San Dommgos

Sect. IV. *HARPALWM* Cass. — (DC, Prodr. V. 583. — Wlprs. Repert. 11.616)

Involucrum 3—4-senale, squamis lae imbricatis subaequalibus lineari-lanceolatis Achaenia radii caha, disci pappo 2—3-anstato et squamellalo superata

17. V. *GRADILORA* Gardn 1 c 404 — Caule cieto simphti snalo hispido, foliis alteims sessilibus oblongo-lanceolatis, utnque attenuatis, npicc acuiis aul subacuminatis, ultra medium seirato - denlalis tnpli- vel subquintuplincrvns, supra sparse adpicsscque pilosiusculis, subtus piloso - pubescenlibus, pedicelhs 1 — 3 teiminalibus-, involucn squamis msciiatis Imeau- lanceolatis acummatis, extus pilosiusculis cilialis; paleis membranaccis lanceolalis acummatis acbaemis glabnuscuis, radii linanbus abortive calvis, disci oblongis compiessis acute 4-angulalis biarislalis, squamellis intermedus denliculalis — *Icujhia grundifloia* Gardn. — Wlpris Repert VI 165 no 1 — (.rescit in Diasiliao provincia Goyaz

18 V *BIUCTEATA* Gaidn 1 c 404 — Caule credo apicem versus ramoso tereli snato glabnu&culo, foil is alteims sessilibus elongato-lineaiibus, uinnque altcnualis tnplinnervus, margine distanter subdenticutis, ulnnque piloso-pubescentibiu., capilulis ad apices ramoium subsessilibus braclealis, involucn hemispbaenci squamis plurisenalis laxe imbricatis puberulis, disco brevionbus, extenonbus lanceolalo - linanbus acuminatis, intimis lineari-oblongis acutis, receptaculo conico, paleis oblongis oblusiusculis, achaenus radii lineanbus glabiis abo(tms calvis, disci oblongis compiessis pilosis biaustatis, squamellis inlcrmedus pluumis acuiis — Herba perennis 2—3-pedolis. Folia 3—4% poll, longa, 2 lin lata Involucium 7 lin. longum Capitulum flavuin, ligulis lineari-oblongis obscuie 2—3-dentatis, 10 lin longis. — Crescit in Brasiliae provincia Goyaz

t Species dubia addenda.

19 V. *GLANDULOSA* Beitol Misc bot VIII . c ic ex Schlehtd. Bot. Zing IX 901
Glabra caule erecto simplici, loins alternis, radicalibus lanccolalis# caulims lineari* subspathulalis, omnibus inlegenimis obtusis, squamis calatlu imbricalis disco brevio* nbus, cxlerms squanosis. — Alabama

2537. TITHOSTIA *Dsf*

(DC. Prodr. V 584 - Wlpris. Repoit II 616)

1 T *DECURRENS* A Gray, Plant Fendler. 85 adnot.— Pube molli subdecidua undiqo* cano-villosa caule robusio ad apicem usque foliosissimo, foliis ovato-lanceolaW⁹, acutis subintegeiimis pennmcrviis basi deeuironlibus, supra demum glabratis scabris* pedunculo cylmdnco capitulo subgloboso bievioie, involucn biseuali squamis oval^o oblongis appiessis, apice bievi foliaceo palcnubus discum vix aequantibus, paleis r^{fl} ceptaculi convexi ngidis, apice truncato bnnucionaiis, acbaenus disci senceis **bariW** tis, anstis subulatis squamellisque cras&is persislenubus. — Crescit in civitate **Chubua** hua Amenciae borealis.

2538. HEMAJTFTHFS Linn.

(DC. Prodr. V. 585. VII. 290. — Wlprs. Repert. II. 607. VI. 165, Annal. I. 414.)

- * H. LACINIATUS Gray, Plant. Fendler. 84. adn. — Gttule erecto bipedali subglabro; ramis apice pubescentibus foliosis 1—3-cephalis: foliis plorisque alternis scabrido-pubescentibus ovato-lanceolatis vel oblongis triplinerviis laciniato-incisive dentatisve. superioribus basi lata sessilibus, inferioribus in petiolum margin a tum attenuatis; involucri squamis ovato-lanceolatis acutis inappendiculmis dense ciliatis discum fuscum subaequantibus; ligulis circ. 20 brevibus; paleis receptaculi apice delloideo pubescentibus; achaeniis glabris biarisiatis. — Habitat ad fluv. St. Loremi.
2. PRARCOX Engelm. dost. Jo urn. V. pag. 221. — Annuus vel biennis: caule hispido ramoso; foliis alternis longe petiolatis (subcinereis) leviter serratis deltoideo-ovatis in petiolum abrupte attenuatis, infimis tantum cordatis; pedunculis elongatis monocephalis; involucri foliolis lanceolatis subulato-acuminatis, discum vix superantibus; corolla disci atro-purpurea gracili; achaenio piloso; paleis pappi lanceolatis puberulis. — Habitat in Texas.
3. H. CUCUMERFOLIUS Torr. & Gr. — Wlprs Repert. II. 983. no. 4. - A. Gray, Boston Journ. of natur. hist. VI. 228. — *Helianthus Lindheimerianus* Scheele, Linnaea XXII. 159?*
4. W. GHACILIS Bertol. Miscell. bot. VII. . . . c. ic. ex Schlecht. Bot. Ztng. IX. 900. — Caule erecto simplici monocephalo sparse piloso; foliis radicalibus oblongis rosulatis, caulinis lanceolatis oppositis, omnibus subtriptinerviis integris ciliatis, supra hispidis scaberrimis; calatho discum subaequante, squamis linearibus; ligulis radialibus duobus; achaeniis glabris biaristatis. — *H. atrorubenti* proximus. — Alabama.

2538/2. HJEMOMGERIS Nutt.

(Nutt. Journ. acad. Philad. [New Ser.] I. 171. — Liber a me non visus.)

Ab Heliantho differt generice achaeniis omnino calvis.

1. MULTIPLORA Nutt. 1. c. - In Nova Mexico.
2. UNIFOLIA A. Gray, Plant. Fendler. 84. adnot. — Caule gracili 2—3-pedali frutescente ramosissimo diffuso foliosissimo; ramulis ascendentibus, apice nudo pedunculo monocephalis; foliis alternis vel suboppositis, supra glabris, subtus incanis partitis vel 1—2-pedato-partitis, segmentis lobisque anguste linearibus, margine revolutis, summis saepe integerrimis; involucri bemisphaerici squamis numerosis imbricatis, e basi lanceolata lineari-appendiculatis canescentibus ligulis circ. dimidio brevioribus; corollis disci flavis paleas naviculares obtusius superantibus; receptaculo gibbo; achaeniis cuneato-oblongis compresso-quadrangulatis glaberrimis calvis. — Crescit in Mexico septentrionali. *

LINDHEIMERIANUS Scheele. Linnaea XXII. 159. f - Perennis, Caulis erectus pedalis erectus purpureus teretiusculus striatus globosus; rami alterni uniflori Folia alterna longe petiolata triangularia triplinervia acuminata araequaliter dentato-serrata, apice integerrima, utrinque scaberrima. Petioli purpurei lateraliter hirsuti folium subaequantes. Capitula terminalia solitana parva longe pedunculata. Involucri squamae imbricatae 3-4-seriatae appressae lanceolatae subulato-acuminatae «cabrae, apice squarrosae discum superantes. Receptaculum convexum. Ligulae 13-15 iuteae oblongae rutilantes glabrae, disco duplo longiores. Discus noster densus corollae dissideae ovato-triangularis. Pappus constans duabus uarietibus inclusentibus. apice dentatis aristatis. arista scaberrima paleam dimidiam aequans. Achaenia tetragono-compressa sericea corolla et paleis breviora. — Crescit prope Neubraunfels.

2541. BIDEHTS *Linn.*

(DC. Prodr. V. 593. VII. 290. — Wlprs. Repert. II. 618. tt 986. VI. 167.)

1. B. (*Platycarjmea*) WARSZEWICZIANA Rgl. Flora (B. Z.) XXXII. 183. — Erecta glabra: caule angulato subletragono; foliis simplicibus vel pinnatis vel bipinnatis, lobis lanceolatis vel clongato-lanceolatis deniato-serratis basi et apice integerrimis; capitulis corymbosis; involucri squamis exterioribus linearibus ciliatis viridibus, deinde paludibus interioribus ovali-lanceolatis fuscis adpressis; ligulis albidis, involucri triplo longioribus; achaeniis compresso-tetragonis, ad angulos ciliatis, 2—4-aristatis. — Planta perennis, siolombus replamibus. Vanat:

a. *stmplicifolia*: foliis omnibus simplicibus penninerviis elongato-lanceolatis, in petiolum attenuatis.

[S. *pinnala*: foliis imparipinnatis, inferioribus 2—3-jugis, superioribus unijugis foliolis lanceolatis.

y. *bipinnata*: foliis pinnatis, pinna terminali integra, pinnis lateralibus 2—4-jugis, pinnalifidis vel incksis vel ihtegris, lobis lanceolatis vel lanceolato-linearibus deniato-serratis. — Grescit Guatemala.

2. B. (*Psilocarpea*) TENUISETA A. Gray, Plant. Fendf. 86. no. 401. f.— Annu glabrius? cula: caule ramoso tereli ascondente; ramis striato-angulatis, apice nudo 1—3-c«* phalis; foliis (oppositis alternisve) bipinnaiipartilis vel biternatisectis, segmentis line* ribus integerrimis sou 2—3-lobatis, rhachi paulo lalioribus; squamis involucri hirsuu linearibus; ligulis 5—8-inconspicuis, discunt vix aequanlibus; achaeniis attenuato^ linearibus glabris subtetragonis striatis biaristalis. — Grescit in No\ a Mexico.
3. B. VENOSA Gordn. in Hook. Lond. jouru. of bot. VII. 405. — Glaberrima: caule teretT striato; foliis oppositis sessilibus oblongis aut superioribus cuneato-lanceolatis trqH* vel subquintuplinerviis grosse serratis; capitulis terminalibus subcorymbosis brevity pedii ellaiis discoideis; involucri squamis exterioribus parvis lineari-lanceolatis acuffli natis patulis, interioribus lineari-oblongis aculis adpressis, disco brevioribus; achaaaf* glabris linearibus compressis quadrangulaiis striatis biaristatis, ad apicem tantum §\^< chidiatis. — Herba perennis. Gaules erecti, ad apicem ramosi, Folia 2 1/a — 3 poll* longa, 9 — 12 lin. lata, parallele venosa. venis utrinque prominulis. Involucrum 6 UO* longum. Achaenia 6 lin. longa. — Crescit in Brasiliae provincia Goyaz inter Array*] et San Domingos.
4. B. PATULA Gardn. I. c. — Gaule fruticoso scandente tereli striato; ramulis teretibus glabris; foliis oppositis petiolalis ovato-lanceolatis acuminatis, basi rotundatis, in peiolum cuneato-attenuatis serrato-dentalis, acumine integris, supra glabris, sub piloso-pubescentibus penniveniis; capitulis pedicellatis ad apices ramulorum corymbosis in paniculam magnam dispositis radiatis (?); involucri squamis subaequalibus linearibus acuminatis patulis; achaeeniis linearibus compressis striatis, ad angulos hifer dense piloso-ciliatis biaristatis, aristis demum divaricatis glochidiatis. — Frutex acc dens. Folia 4 — 5 poll, longa, 18 — 22 lin. lata, pelioli pollicem longi. Involucrum lin. longum. Achaeenia 6 lin. longa. — Crescit in Brasiliae provincia Goyaz propo & W Bernardo.

t Icon addenda.

- B. BECKII Torr. — DC. Prodr. V. 595. no. 8. — Torr. Fl. of New York I. 388. t tab. 24

acuminatis achaenus oblongo - cuneatis compressis, late alatis, alis locerato - ciholatis. bianstotis — Suffrutox ramosus, 6—12-pedalis Folia 10—12 poll longa, 2—3 poll lata Achaonia 2 lin longa, 3 lin lata, alis albidis — Crescit JD provincia Mmas Genié's Drasihao

2553 **SPILANTHES** Jcq.

(DC Prodr V 620 - Wlprs Rcpert II 621 & 987, Annal I 415.)

- 1 SP (*Acmella*) ABYSSINICA C II Schullz (Dip) mss ex A Rich Tent fl Abyss I 415 — Caule gracili diffuse procumbeate r a mo so repente, folus oppositis petiolatis ovalibus acutis aul obtusis maigine subintegens aut ID parte supenore crassato-ser-taiis glabnusculis subciliatis cnpuiulis luteis ovoideis longe pedunculaiis axillanbus itdiaiis involucn foliolis ovali-oblongis acutis glabnusculis, margine ciliatis liguli* paucis biovibus focmincis lamina oblongo-obcordata achaenhs oblongo •compressis glibiH, apice calvis — Habitat in Abjssinia prope Adoua
- 2 SP LCI IPTOIDLS Gaidn in Hook Lond journ of bot VII 40? — Cffule basi repente a&cendntte hirsuo foluj> oppositis pctiolatis lanceolatis acutis, basi cuneato-attenuatis tnplincivns distanter scrnto-dentatis utnnque subhirsutis, pedicellis termmalibus piloso-hispidis gracilibus capnulis ovatis obtusis rodiatis involucn squamis linean-lan-coolatis acutis trincivus piloso-hlspidis, intenonbus basi membranaceis complicatis, ligulis late oblongis tndentatis. involucro paulo longioubus achaenns glabris calvis — Herba pedalis Folia 1%—2 poll longa, 6—8 lin lata Pedicelli 2 poll, longi. Involucrum 2 lin longum Floros lulei Ligulae basi glabrae Corollae disci basi pilosae — *bp doiomcoidt* DC similis — Crescit in conflmbus provinciae Mmas Gertié's et Rio de Janeiro in Diasilia
- 3 SP MhLAMPODIOIDCS Gaidn I. c — Caulo basi repente ascendente glabro, a pice pilosiusculo folus opposilis petiolatis, late ovatis obtusis rcpando-dentalis trinorvns, iiiiinquo pilosiusculis pctiolis subciliatis pedicellis lerminalibus, deraum alanbus, folio bicvionbus capitul/s subglobosis radiatis, involucn squamis oblongo-lanceolutis obtusis pilosiusculis.ciljjitis ligulis ciicitor 8 piofande bilobis, lobis obmsis, involucro bicvionbus achaenus oblongis compressis, margine ciliatis, radii calvis, disci biaustatis — Herba subpedalis Folia 3 1/2 poll longa, 1%—2 poll lata, basi truncata aut subcordda, subtus pallida, petioli pollicem longi Involucrum 3 1/2 lin longum. Flores pallide lulei Ligulae et coiollae disci basi glabrae. — Croscil in Brasiliae provincia Piauhy prope urbem Oeiras
- 4 SP ARRAYANA Gardn I %c 408 — Caule erecto ramoso sparse subhirtello, folus oppositis petiolatis ovato-hiiccolatis obtuse acuminatis, basi in petiolum cuneato-atte-nuatis, giossp inciso-dentalis tnplincivns. supia glabnusculis, subtus ad nervos pilo-siusculis pctiolis subulialis pedicellis teimnalibus, dcmuui alanbus, folio paulo lon-gionbus capitul/s ovato-comtis radiatis involucn squamis eitenonbus circiter 5 ob> longo-lanctolatis obtusis ccilntis ligulis ovalibus cmarginatis, involucro paulo lon-gionbus, achaenns vix ciliolalis calvis — Heiba subbipedalis Folia 3 poll longa, 12—15 lin lata Involucium l'A lin longum Floies lutei Ligulae basi pilosae Go-rollae disci basi glubrao — *Sp Lundn* DC similis — Crescit in firasiliae provincia Uoyaz prope Villa de Array as
- 5 SP (*balivana*) COSTATA Bntb in Hooker, Niger Flora 436 f — Glabnuscula: foliis petiolatis oblongis ovatisve subintegerninis, cdpitulis ovalo-conicis discoideis, involu-cn squamis ovutis obtusis flores subnequantibusl achaenns puberulis 3—4-cos tails, coslis crassis. Z validionbus apice in acumina bievia productis — Grescil in capite Palinas tt Cape Coast in Africa tropica occidentali.

2556. SAITCITAIiIA *Gualt.*

(DC. Prodr. V. 628.)

1. S. ABERYI A. Gray, Plant. Fendler. 87. no. 404. f— Caule erectiusculo ramoso; foliis lanceolatis trinervatis hispido-scabris in petiolum attenuatès; capitulis primariis pedunculatis nudis; involucrio disco (viridi - flavo) fructifero brevioribus; ligulis ovatis longitudinaline achaenii, ariatas duplo excedentibus; achaeniis disci fere conformibus compresso - quadrangulatis luberculatis exalatis paucisve suberoso - subalatis, apice emarginatis calvis aut minime uniaristulatis. — Crescit in Nova Mexico ad St. Fe*.

2562. CHRYSALTHEIjliOI *Rich.*

(DC. Prodr. V. 630. VI. 291, Annal. I. 415.)

1. *CHR. INDICUM DC. Prodr. V. 631. - A. Rich. Tent. fl. Abyss. I. 416. - *Hinlerhubera Kotschy* C. H. Schultz. (Bip.) mss.

2565. HETEBOSPEBMrM *Willd.*

(DC. Prodr. V. 632.)

1. II. TAGETINUM A. Gray, Plant. Fendler. 87. no. 405. f— Caule bifariam hirsutulo; foliis pinnato-3—7-parlitis, more *Tage Us* pellucido-glandulosis, segmentis linearibus iniegerrimis; squorais involucri exterioris 3 linearibus capiulum superantibus; achaeniis radii ala angusta crassa arete inflexa cinciis, disci exterioribus calvis, centralibus rostralis biaristatis. — Crescit in Nova Mexico.

2566. CULOSSOGYfiTE *Cass.*

(DC. Prodr. V. 632.)

- i. GL. BRASILIENSIS Gardn. In Hook. Lond. Journ. of bot. VII. 408. f— Caule demisso lignoso ramoso; ramis confertis dense foliosis, foliis ternatim bilinearibus sectis, segmentis acerosis compressis striatis; pedunculis terminalibus solitariis valde elongatis, in medio unisquamosis; involucri squamis biserialibus, exterioribus linearibus lanceolatis intimis plus duplo brevioribus, intimis oblongo-lanceolatis, margine membranaceis ciliolatis; paleis oblongis obtusis, achaeniis linearibus exalatis, margine ciliolatis biaristatis, aristis tenuibus scabris. — Herba basi fruticulosa subpedalis. Folia ad ramos confertissima. I¹/₂* poll. longa. segmentis angustissimis acutis, petioli basi dilatati. Peduncululi 6—8 polk longi strfati. Involuorum campanulatura, vix 3 lin. longum. Ligulae ignotae. Corollae disci tubulosae 5-dentatae, basi pilosae. Styli rami in appendicem teretem elongatam hispidam producti. Achaenfa 2 lin. longa, aristis parum divaricatis scabris nee retrorsum setosis. — Crescit in Brasilia provincia Goyaz prope Nossa Senhora d'Abbadia.

2569. *THELIESPERUIA* Less.

(DC. Prodr. V. p. 633. — *Cosmidium* Torr. & Gr. Pl. N. Am. H. p. 350. — Wlprs. Repert. II. 615. VI. 164.)

§. 1. *Vera* Less. — *Capitulum homogamum discoideum.*

1. •**TIF.** SCABIOSOIDES Less. — DC. I. c. 634. no. 1. — Hook, et Am. Journ. of bot. III. p. 319. — *Bidens Mcgapolamica* Spreng. Syst. III. p. 424. — Crescit in Brasilia ausirali et in Patagonia septentrionali.
2. ***TH.** GRAGILE A. Gray in Hook. Kew gard. misc. I. 252. — *Bidens gracilis* Torr. in Ann. Lye. New York Vol. II. p. 215. — *Cosmidium gracile* Torr. **fit** Gray 1. c. — Gray Plant. Fcndl. p. 86. — Wlprs. Repert. II. 615. no. 2. — Crescit ad Arkansas, in Nova Mexico.

§. 2. *Cosmidium* Nutt. — *Capitulum saepius octoradiatum, ligulis neutris.*

3. **TH.** SIMPLICIFOLIUM A. Gray in Hook. Kew gard. misc. I. 252. — Caulibus e radice perenni simplicibus 1—3-cephalis; foliis rigidulis flliformi-lincaribus integerrimis; squamis involucris exlorioris ovalis par vis. interioris ad medium connatis, ligulis obovato-cuncatis, apice trilobis multo brevioribus; achacniis valde immaturis dentibus 2 squamaeformibus retrorsum hispidis coronatis (maturis incognitis). — *Cosmidium simplicifolium* Gray, Pl. Fendl. p. 86. — Crescit in Mexico t>plenlrionali. %
4. ***TIL.** FILIFOLIUM A. Gray in Hook. Kew gard. misc. I. 252. — *Coreopsis fUifolia* Hook. Bot. Mag. tab. 3505. — DC. Prodr. V. 290. — *Cosmidium filifolium* Torr. 8c Gray 1. c. — Wlprs. Reperl. II. 615. no. 1. — Crescit in pluniliobus Arkansanis et rei republicae, Texensis.

2571. *FLAVJERIA* Juss.

(DC. Prodr. V. 635. VII. 291. — Wlprs. Repert. II. 987.)

1. ***FL.** CONTRAYERBA Pers. — DC. Prodr. V. 630. no. 1. — Remy in Gay, His tor. de Chile (Bot.) IV. 278. f — *Eupatorium Chilense* Molina. — DC. Prodr. V. 182. no. 274.
2. **FL.** LONGIFOLIA A. Gray, Plant. Fcndl. 88. adnot. — Erecta stricta: foliis carnosis anguste lincaribus praelongis, sursum ntenuaiis acutissimis, saepe falcatis uninerviis spinuloso - denticulatis, superioribus basi laia connato - sessilibus, inferioribus inferne angustatis; corymbo termnali nudo densjusculo; capitulis discoideis 12—15 - floris. — Crescit in Mexico.
3. **FL.** CHLORAEFOMA A. Gray I. c. adnot. - Glnuca: caule bumili (6-10-poUicari) e radice perenni? ramis adsurgentibus simpJicibiis, corymbo nudo simplici fastigittio> terminaliis; foliis oblongis connato - perfoliatis integerrimis uninerviis subacutis; capiulis circiter 12 - floris discoideis. — Crescit in civitate Chihuahua Americae borealis.
4. **FL.** AUSTRALASICA Hook, in Mitchell, Journal of tropical Australia pag. 118. adn. — Foliis lineari - lancoolatis integerrimis, basi dilatatis; capiulis densissirae globoso-fasciculaiis, fasciculis subinvolucratis; bracteis exlorioribus praecipue fasciculos superantibus, omnibus late amplexantibus. — Crescit in Australia orientali Iropica.

2574. **ENHYDRA** Lour.

(DC. Prodr. VI. 636.)

1. *E. AFFINIS* Didrichsen, Ind. semin. hoit. Hauniens. 1849. pag. 14. — Glabra: caule subfluitante; ramis ascendeniibus; foliis sessilibus oblongis, basi cunento-angustatis, obtuse et parce dentatis, apice obtusiusculis; capilulis ad axillas solitaries brevitor pedungulatis. — Species media inter *E. oblongam* et *subcunootam* DC. — In Peruvia prope Liraam in aquaeduclu crescit.
1. *E. ANAGALLIS* Gardn. in Hook. Lond. journ. of bot. VII. 409. — Caule Iwspido; foliis breviter petioJotis Jineari - oblongis obiuis, basi binuriculatis serrato - dentalis glabriusculis membranaceis; capilulis ad axillas solitariis sessilibus; involucri squamis exterioribus late ovalis obtusis parallele nervosis subhispidis; paleis radii obovalis tridentatis, dentibus obiuis pilosis. — Herba perennis. Caules bnsi ad nodos radican-tes, demuni aaceodentes, ramosi. Folia 2¹/₂ poll, longa, 6 lin. lata. Involucri squamae exteriores 7¹/₈ lin. longae, 6 lin. latae. — Crescit ad Rio de Janeiro in Brasilia.
3. *E. RIVULARIS* Gardn. 1. c. 440. — Caule hispido; foliis breviter peliolatis longe lineari - lanceolalis, apicem versus attenualis, basi obtusis, vix auriculatis distanter subdentikululis, supra scabridis, sublus ad nervos piloso-pubesceiiibus membranaceis; capilulis ad axillas solitariis sessilibus; involucri squamis exierioribus late ovatir acuminatis reiiculatis glabriusculis; paleis radii obovatis 4*— 5-dentalis, dentibus acuminaiis' pilosis. — Herba perennis. Caules hasi ad nodos radicanctes, demum aaoeodentes bipedaies ramosi. Folia 4 poll, longa, 6—9 lin. Jala *Involucri* squamae exteriores 6 lin. longae, 4¹/_a lin. latae. — Crescit in Drasiliae piovincia Ceara prope Barra do Jardim.
4. *E. INTEGRIFOLIA* Gardn. 1. c — Caule glabro: foliis sessilibus lineari-lanceolalis acuminatis, basi subauriculatis, niarguie revolutis jntcgerrimis, supra scabridis, eub- tus pubescentibus membranaceis; capitulis ad axillas solitariis sessilibus; involucri squamis exterioribus rotundatis obtusis rcticulatis glubris; paleis radii inaequaliter tridentatis aculis pilosis. — Herba perennis. Caules basi ad nodos radicanctes, demum ascenden-tes, ad apicem ramosi bipedaies. Folia 2¹/_a— 3 poll, longa, 3—4 lin. lata. Involucri squamao exienores 3 lin. longae, 3 lin. circiter latao. — Crescit in insula Iiamarica in Urasillae prov. Pernambuco.

Subtribus IV. *TAGETINEAE* Cassin. — DC. Prodr. V. 638.2577A. **ACIPHYLIA** A. Gray.

(Dysodiae sect. DC. Prodr. V. 641. — A. Gray, Plant. FendL91.)

Capitulum multiflorum heterogamum: floribus radii 5—8 ligulatis joemineis, disci tubulosis hermaphroditis. Involucri squamae uniseriales, in cupulam oblongo-cylindrH^m* apice breviter &—14-dentatam concretae. Receptaculum planum, minute alveolatum*. Styli rami fl. disci cono brevissimo hispidulo capitellati. Achaeia gracilia teretia multistriata. Pappus uniserialis, e squaraellis circ. 20 conformibus (alternisve paulo minoribus), in arislas setasve scabras inaequales 3—5 Paloiato-partitis cOnstans^-^'Suffruticulus ericoideus ramosissimus diffusus, vix semipedalis, fere glaber: foliis oppositis alternisve confertis, saepe in axillis fasciculatis acerosis integerrimis, grosse glandulosis; capitulis (3—4 lin. longis) in apice rapiulorum solitariis sessilibus, foliis, supremis quasi calyculatis; floribus flavis.

! *A. (DYSOUIA DC. I. c.) ACEROSA A. Gray I. o. - Mexico, ad St. Louis Poiosi.

2579. *HYMEHTATHEBUM* Cass.

(DC. Prodr. V. 641. VII. 292. - Wlprs. Repert. VI. 172.)

1. *H. (DYSODIA)* Torr. & Gr. — Wlprs. Repert. II. 987. no. 1.) *TAGETOIDES* A. Gray Plant. Fendler. 88. adn. — Caule pedali apice corymboso; foliis elongatis subpinnatifidis, nempe laciniis elongato-sulcatis utrinque 6—10-instructis, ramealibus integrioribus; bracteis utrinque paucisetigeris involucri cylindrato-campanulato (sicco cartilagineo) subbrevioribus; ligulis elongatis; receptaculo convexo alveolato; pappo achenio 4—5-gono brevioris, tubum corollae disci non superante; paleis coriaceis lanceolato-subulatis subtrifidis vel integrisculis 1—3-cuspidatis seu apice subaristatis. — Habitat in Louisiana occidentali, in republicis Texensi.
2. *H. GNAPHALODES* A. Gray I. c. 90. adnot. — Nana, undique albo-lanuginosa: caulibus e radice annua? ramosis depressis proliferis; foliis plerisque alternis spatulatis iritigerrimis vel apice rotundato subdentatis confertis, ad innovationes imbricatis; capitulis brevissime pedunculatis vel intra folia sessilibus; involucri 1—3-bracteati squamis uniseriatis connatis; ligulis 10—13 ovalibus exsertis; pappi paleis 5 majoribus lanceolatis alternas eroso-truncatas triplo superantibus, apice in subulas duas membranaceas et aristam mediam corollam disci subaequantem irifidis. — In Nova Mexico.
3. *H. WRIGHTII* A. Gray I. c. 89. adnot. — Caule dodrantali a basi ramoso; ramis assurgentibus, apice nudis monocarpalis; foliis anguste linearibus integris aut plerisque versus basin longe attenuatis utrinque dentibus laciniisve spinulosis 1—3 instructis; bracteis subulatis appressis. involucri turbinate chartaceo multum brevioribus; ligulis breviusculis; receptaculo piano nudo; pappo achenio gracili sublongiore, e paleis angustis subaequalibus trifidis, omnibus triaristatis, arista media corollam fl. disci paulo superante, lateralibus duplo longiore. — Crescit in republica Texensi.

2579A. *RIDDEIIIIII*. % Nutt.

(Wlprs. Repert. VI. 172.)

1. *R. ARACHNOIDEA* A. Gray, Plant. Fendler. 94. adnot. — Caule porce ramoso foliisque dense lanatis striatiusculis; corymbo conferto; pedunculis involucri brevioribus; acheniis pilis longissimis arachnoideo-villosis; pappi paleis diaphanis, superne in pilis Jos arachnoideos praelongos lacerato-deliuosculis. — Crescit in Mexico (Buena Vista).

2579. *HOWEIIIIIA* A. Gray.

(A. Gray, Plant. Fendler. 89.)

Capitulum multiflorum heterogamum: floribus radii ligulatis foemineis, disci tubulosis hermaphroditis. Involucrum campanulatum ebracteatum gamophyllum. squamis subbiseriatis lanceolatis, inferne carinatis, ultra medium coalitis. Receptaculum convexum nudum. Ligulae circiter 12, ellipticae exsertae (deciduae). Corollae disci infundibuliformes quinque-dentatae. Styli rami fl. hermaphr. apice capitellato-truncati puberuli. Achaenia elongata teretia multistriata, pappo simplici brevissimo, e paleis 6—8 liberis aequalibus oblongis, apice truncato-erosis nervis coronata. — Herba annua glabra, grosse glandulosa, *Dysodiae chrysanthemoides*.

dis facie, sed foliis plerisque alternis atque ligulis aureis conspicuis — Genus inter *Dysodiam* et *Tagetern* referendum, ab utraque pappo simpliciter et aequaliter squamellato plane diversum.

1. * *h.* AUREA A. Gray 1. c. 91. — In Nova Mexico.

2580. TAGETES *Toumef.*

(DC. Prodr. V. 842. VII. 292. — Wlprs Repert. II. 624. VI. 173, Annal. I. 415.)

1. T. WISLIZENI A. Gray. Plant. Feidler. 92. adnot. — Annuæ exigua glaberrima: foliis alternis vel infimis oppositis interrupte pinnatipartitis, segmentis ? — 10 setulosomucronatis, minoribus subulatis, ranjoribus linearibus vel oblongis inciso-3—7-dentatis; ramis fasciatis in pedunculum nudum filiformem iisdem multo longiorem monocephalum desinentibus: involucrio fusiformi, apice constricto breviter quadridentato circiter 8-floro; ligulis 2—3 brevissimis rotundatis vix exsertis; pappi paleis, ut videtur, 5 in tubum cylindricum achaenio longiorem corollam praelongam subclaudentem, apice univel in radio biarislatura arete coalitis, aristis barbellatis. — Crescit in Mexico in monte Cosiquiriachi.

2581. THYMOFYLIA *Lag.*

(DC. Prodr. V. 647.)

* TH. GREGGII A. Gray, Plant. Fendler. 92. adnot. ~ Spftbamaea, basi **muttMft** suffrutescens, lana alba floccosa nndique lomenlosissima: foliis oppositis alterofsvæ, inferioribus {%-*/ (unc. longis) pinnato-3—5-partitis, lobis setaceis, superioribttt totegris setaceis, ramealibus brevioribus (2—4 lin. longis) imbricatis vel fascicutatis; pedunculis erecto (2—4 unc. longis), demum glabrafls, minutissime bracteatis; involucrio circiter 15-dentato; achaeniis gracilibus multistriatis glaberrimis, pappo calycliformi margine sublntegro iisdem corollisque flavis quadruplo brevioribus coronatis. — Crescit in Mexico (Buena Vista).

2581/3. CHHYSACTINIA A. Gray.

(A. Gray, Plant. Fendl. 93. adn.)

Capitulum multiflorum heterogamum: flosculis radii 9—12 ligulatis foemineis, disci tubulosi hermaphroditis. Involucrum uniseriale disco brevius, squamis 9—12 aequalibus distinctis oblongo-linearibus; dorso carinatis, supra medium nnglandulosi. Receptaculum Aarvom **Ti6mt-sphaericum** corneo-alveolatum. Ligulae elongatae oblpj^ae. Corollae **disci** tubulosae quinquentatae, dentibus ad* nargintes incrassato-Puberulis. Styli fl. hermaph. rarii ehmgaffv angijple. lineares planiusculi, cono brevi obtuso hispidto 4ejminati, et dor^o infr^, apicem minutim hirtelli. Achaenia elongata Hftaria erbstifa; multistriata hispidula. involucrio fructifero laxo a?quilonga, callo basilari manifesto. Pappus pilosus simplex, setis tore uflfeerialibu*. dentienlato-scabris, achaenio longioribus. — Fruticulus Itfeicanus ramosissimus glaber: ramis strictis conferte fltiijQjtei; ramulis floridis fastigiatis in pedunculos nudos parce setaceo-hrac^os^nonocephalos desinentibus; foliis altero is imisve saepe oppositis Hndari-apIMjAOT, mucrone apiculatis crassis, supra ad costam suleatis» utritfque dene glanduiaram grossarum rdtundarum notatis; floribus aureis, ligulis disco duplo longioribus conspicuis.

*. * CHR. MEXIGANA VA Gray I. c. f — Habitat in Mexico. Saltillo. Ruena Vista.

2582. **POHOPHYLXUM** *Vain.*

(DC. Prodr. V. 647.- VII. 292. — Wlprs. Repert. II. 624. VI. 174. ft 722.)

1. *P. (Euporophyllum) ANGUSTISSIMUM* Gardn. in Hook. Lond. journ. of bot. VII. 410. — Suffruticosum glabrum dichotome ramosum: foliis alternis linearibus integerrimis acutis eglandulosis; involucri cylindrici squamis linearibus acutis; achaeniis scabris. — Suffrutex tripedalis. Folia $\frac{1}{k}$ — 2 poll, longa angustissima. Pedicelli brevissimi. ad apicem incrassati striati. Involucrum cylindricum, 9 lin. longum, squamis trinerviis, margine membranaceis, $1\frac{1}{2}$ lin. latis; achaenium $3V_a$ lin. longum. — Crescit in provincia Brasiliae Goyaz inter Arrayas et San Domingos.

Subtribus V. *HELENIEAE* Cass. — DC. Prodr. V. 651.2583. **GAIIXARDIA** *Foug.*

(DC. Prodr. V. 651. VII. 292. — Wlprs. Repert. II. 624. ft 988.)

1. *G. TUBERCULATA* Scheele, Linnaea XXII. 349. f — Perennis. Caulis basi suffruticulosus 1—1¹A-pedalis erectus vel ascendens striatus, basi ramosus, pilis appressis strigillosus, in femore folia tus, superne aphyllus, pili tuberculis atroaaguineis insidentes, rami uniflori! Folia uninervia canescentia strigillosa glanduloso-punctata ciliolata. radicalia oblongo-spathulata in petiolum attenuata obtusa, apicem versus utrinque obtuse dentata, caulina infima oblanceolata paucidentata, in petiolum brevem attenuata. superiora sessilia lanceolata vel lineari-lanceolata integerrima acutiuscula. Capitulum terminale mediocre longe pedunculatum radiatum multiflorum. Involucri squamae tri-seriales lanceolatae acutissimae hirsutae, basi callosae, apice squarrosae discum vix aequantes, exteriores maximae. Receptaculum hemisphaericum subnudum, neque foveolatum neque paleaceum. *— Crescit in terra Texana.
2. **G. AMBLYODON* Gay, Mem. of the American Acad. of Arts (New Ser.) III. tab. 4. — Liber a me non visus.

+ **Species exelneae***

- G. ODORATA* Lindh. = *AGASSIZIA SUAVIS* Gray ft Engelm.
G. ROMERIANA Scheele = *ACTINELLA SCAPOSA* Nutt.
G. SIMPLEX Scheele = *AGASSIZIA SUAVIS* Gray ft Engelm.

2583A. **AGASSIZIA** *Gray Sf Engelm.*

(Gray ft Engelm. Bot. Journ. of nat. hist. VI, 229.)

Capitulum globosum multiflorum radiatum: ligulis foemineis nunc difformibus. Involucrum disco brevius, circa biseriale, squamis exterioribus lineari-oblongis, appendicula spathulata vel obtusa foliacea patente instructis, intimis lineari-acuminatis. Receptaculum globosum alveolatum, alveolis valde dentatis fimbriiferis. Ligulae cuneatae palmato-3—4-fidae, saepe irregulares seu tubuloso-difformes, vestigia staminum gerentes. Corollae disci *Gaillardiae*, dentibus triangulari-lanceolatis. Styli rami ligularum lineares subulato-apiculati, florum disci ad basin appendicis brevissimae nuda clavato-obtusae penicil-

lati. *Achaenia turbinata* sericeo-villosissima. Pappus radii et disci conforrais, e paleis 9 hyalinis ovatis uninerviis coadstans, nervo in aristam capillarem corollam adaequantem longe producto. — Herba biennis acaulis: radice fusiformi; foliis varie 1—2-pinnatifidis, nunc sinuatis lyratisve; scapo 1—2-pedali, toto nude, monocephalo. Capitulum *Gaillardiae*, speciosum. Flores suaveolentes, disci flavi et purpurei, radii rubescentes vel atrorubri.

i. A. SUAVIS Gray ft Engelm. *Proced. Americ. Acad.* I. 50. ft Bost. *journal of nat. hist.* VI. 230. — Caulis bipedalis erectus sulcatus appresse puberulus simplicissimus uniflorus scapiformis, basi solummodo foliatus, caeterum aphyllus. Folia radicalia basin caulis amplectentia, basi dilatata vaginantia alterna obovato-cuneata in petiolum attenuata triplinervia bullata glabriuscula obtusa crenato-dentata, basi cuneata integerrima, minute adpresse ciliata vel pinnatifido-incisa, lobis remotis oblongis vel lanceolatis acutis integris vel inciso-dentatis. Capitula multiflora radiata. Involucri squamae triseriales foliaceae, margine anguste scariosae, basi callosae appressae, apice squarrosae discum subaequantem, exteriores majores oblongae obtusiusculae, reliquae oblongo-lanceolatae, mediae acutae, interiores acutissimae. Receptaculum hemisphaericum fimbriatum. Ligulae 8—12 steriles uniseriales deciduae cuneatae palmato-3-fidae 7-nerves glabrae disco duplo longiores, lobi oblongo-lanceolati obtusiusculi; pappus radii aristatus. Corollae discoideae tubus brevis, limbus elongatus cylindrical inflatus quinque-dentatus. Pappus constans paleis 6—8 membranaceis uninerviis, nervus in aristam corollam aequantem productus. *Achaenia* . . . ? — *Gaillardia odorata* Lindheim. — *Gaill. simplex* Scheele, *Linnæa* XXII. 160.

a. foliis integris.

P. foliis pinnatifido-incisis. — Crescit in republica Tezana.

2586. CHJTIEB»EMJL *Lag.*

(DC. *Prodr.* V. 653. — *Wlprs. Repert.* II. 989.)

1. G. (*Hemiachyru*) SPHAEROCEPHALA A. Gray. *Plant. Fendl.* 73. no. 343. — Humilis diffusoramosissima: ramulis divergentibus foliosis, capitula solitaria majuscula gerentibus; foliis linearibus uniuerviis, caulibus obtusis deorsum attenuatis; involucri hemisphaerico viz pedunculato; ligulis 10—12 lineari-oblongis; a. hermaph. circiter 30 achaeniis junioribus turbinatis sericeo-villosis disci et radii pappo conformi donatis. • paleis 5—6 ovatis brevissimis pi. m. coroniformi-concretis. — Crescit in Nova Mexico.

2588. SCHKUHRIA *Rth.*

(DC. *Prodr.* V. 654. — *Wlprs. Repert.* II. 574^{ip.})

1. SCHK. (AMBLYOPAPPUS Tr. ACHYROPAPPUS?) NEO-MEXICANA A. Gray. *Plant. Fendler.* 96. no. 416 f. — Strigoso-puberula humilis: foliis inferioribus pedunculatis superioribus simpliciter 3-partitis. segmentis longisque linearibus; capitulis omnino discoideis 30-floris; achaeniis lineari-cuneatis. basi ad angulos villosis; pappi paleis 8 conformibus obovatis obtusissimis basi incrassata excepta uninerviis. corollam subaequantibus. — Crescit in Nova Mexico.
2. SCHK. WISLICEJU A. Gray I c. v. m. not. — Tenella. pube scabra subcinerea: foliis pinnatifidis lobis, filiformibus; involucri unibracteato tetraphyllo 4-5-floro; corollae omnibus tubulosis hermaphroditis vel unico brevissime ligulato; achaeniis obpyramidalibus, angulis longius villosissimis: pappo corollam subaequantem, paleis 4 ex angulis achaeniis ovatis obtusis nervo valido excurrente breviter aristatis, 4 acheniis similibus, sed muticis, nervo evanido. — Crescit in Mexico.

2591. BAHIA DC.

(DC. Prodr. V. 656. VII. 292. — Wlprs. Repert. II. 626. ft 989, VI. 175.)

1. B. DEALBATA A. Gray, Plant. Fendier. 99. adnot. — Herbacea, tomento brevi subdecidua? undique argenteo - cana: foliis oblongis lanceolatisve integerrimis seu cuneatis trifidis, busi trinervatis; ramis apice 1—2-cephalis nudis; involucri squamis obovatis acuiusculis; pappo corollae tubum aequante, paleis 7 obovatis oblusissimis aequalibus, nervo vulido percursis. — Crescit in Mexico.

2591/a. HVFAHTTEA *Itemy*.

(Remy in Gay, Hist. flsic. de Chile [Bot.] IV. 287. tab. 48. Og. 1.)

Capitulum multiflorum heterogamum discoideum. Involucrum unisense, squamis late ovalibus. Receptaculum conicum glabrum epaleaceum subtuberculatum. Corollae omnes tubulosae, radii uiseriales foemineae, limbo inaequaliter 3—4-dentato, dente antico minimo et profundius silo, disci hermaphroditae crassiores sed breviores, vix pappo longiores, tubo extus parce pubero-glanduloso, limbo ovoideo 5-dentato. Antherae subellipticae alatae ecaudatae inclusae. Styiorum radii rami lineares obtusi glaberrimi exserti, disci inclusi, apice obtuse triangulari extus papulosi. Achaenia omnia conformia tetragona, inferne attenuata erosaria. Pappus uniserialis paleaceus, paleis obovatis rotundatis obtusis vix laceris scarioso-membranaceis. — Herba Cbilensis annua: caule erecto c\Jindraco, superne, rarius inferne, ramoso; ramis parce glandulosis rigidulis, in corymbum generalem digestis; foliis alternis linearibus angustis integris v. rarius ad medium 1—2-lobatis; capitulis tenninalibus pedicellatis in paniculam corymbosam digestis; achaeniorum angulis hirtis.

1. M. CHILENSIS Remy 1. c. 259. f tab. 48. fig. 1. — Chili.

2592. HYUIELirOPAPPIJS *Hdrit*.

(DC. Prodr. V. 658. — Wlprs. Repert. II. 626. ft 989. VI. 176.)

1. *H. CORYMBOSUS Torr. tt Gr. — Wlprs. Repert. II. 939. DO'. 1. ft VI. 176. no. 3. — A. Gray, Boston journ. of natur. hist, VI. 230. — *Ifymauop. Engelmannianus* Knth. Annal. scieno. natur. (3. Ser.) XI. 229. ft Ind. semin. hort. Berol. 1848. collect, pag. 15.
2. II. FLAVESCENS A. Gray, Plant. Fendier. 97. no. 417. +— Floccoso -tomentosus vel incanus, demum glabratus: caule apice corymboso; foliis 1—2 - pinnatipartitis. loiril linearibus, ramealibus integerrimis vel basi lobulis 1—3 instructis; capitulii dense corymbosis; involucri squamis circiter 8 ovatis viridibus apice petaloideo corollisque luteis; achaeniis villoeis; pappo conspicuo corollae tubo dimidio brevior, paleis ovatis integerrimis. — Crescit in Nova Meico.

2593. CHACSIUACTIS DC.

(DC. Prodr. V. 659. — Wlprs. Repert. II. 626. ft 989. VI. 177.)

1. CH. FILIFOLIA Harv. ft Gray. Plant. Fendier. 98. adnot. — Subarachnoidea, demum glabrata: caule corymboso-ramoso usque ad ajricem folioso; foliis pinnatipartitis (sum-

misve simplfcibus), segmentis 5—9 rhachique filifloribus integerrimis: pedunculis brevibus non glandulosis; corollis (flavis) radiantibus infundibuliformi-ampliatis irregularibus, discum don superantibus; pappi paleis 4 oblongis obtusis aequantibus. — In California.

2. CH. HETEROCARPHA Harv. ft Gray 1. c. adnot. - Annuua nana lanosa, demum glabrata: caule folioso plerumque simplici monocephalo; foliis pinnatipartitis, segmentis 4—9 minus linearibus breviusculis integerrimis, rachis subminusioribus; pedunculo eglanduloso capitulum majusculum eximie radians vix duplo excedentibus; corollis (aureis) radiantibus infundibuliformi-ampliatis. limbo irregulari discum superante; achaenio birsuto; pappo disci e paleis 4 lanceolato-oblongis obtusissimis corollam aequantibus et 4 alternis parvis obovatis 5—6-plo brevioribus constanter. — Habitat in California.

2593A. ACICARPHA *JEA tlarv. Sf Gray.*

(Harv. ft Gray, Plant. Fendler. 98. adn.)

Capitulum multiflorum: fl. omnibus tubulosis, exterioribus ampliatis subradiantibus. Involucrum campanulatum circ. 24-phyllum, squamis biseriatis lanceolatis, discum aequantibus planis. Receptaculum nudum planum. Corollae tubo glanduloso-pubescente, disci graciles quinque-dentatae, radii sursum infundibuliformi-ampliatæ quinquelobae, limbo subirregulari. Antherae exsertae. Styli rami filiformi-subulati, fairtollii (ut in *Chaenactide*). Achaenia omnia (ut videtur) fertilia et conformia lineari-clavata subcompressa mullistriata, glabra calva, extima paulo incurvata, in squamis involucri haud occulta. — Herba erecta viscidopuberula: foliis alternis 2—3-pinnatisectis; capitulis paniculato-corymbosis; floribus luteis.

⁴ *A. ARTEMISIAEFOLIA Harv. ft Gray 1. c. adn. + — Habitat in California.

2601. BCRIRA *JMA DC.*

(DC. Prodr. V. 663. — Wlprs. Reperit. U. 627. ft 987.)

- ¹ *B. CHRYSOSTOMA Torr. ft Gr. — Wlprs. 1. c. 989, no. 1. — Sert. Petropolit. lab.
⁶ (sub *Baeria*.)

2601/2. BICHAETA *Nutt.*

(Wlprs. Réperit. II. 638.)

- ¹ 0. FREMONTII Torr. mss. ex A. Gray, Plant. Fendl 103. adnot. — Caput uba e radice annua ascendens nigris gracilibus; foliis anguste linearibus nunc integerrimis non tergentibus; squamis involucri et tubulosis late ovalibus; pappo ex aristis 4 e basi subulata seiformibus. tubum graoillimum corollae sobsuperantibus et squamis totidem parvis truncatis 3-3-fidis alternantibus. — Habitat in California.

2601/.. mCWMOTTBRMX *A. Gray.*

(A. Gray. Plant. Fendler. 103. adnot.)

Capitulum inultiflorum heterogamum: fl. radii 8—10 ligulatis pennis disci tubulosis. Involucrum turbinatum, disco brevius, e squamis

circiter 10 lanceolato-oblongis subbiseriatis aequalibus appressis. Receptaculum parvum planum nudum papillosum. Ligulae spathulato-oblongae, apice tridentatae, disciim haud superautes. Corollae fl. hermaphr. elongatae, tubo gracili minutim glanduligero, fauce infundibuliformi quinqueloba lobisque margine vix incrassatis glabris. Antherae ecaudatae exsertae, appendicula ovala superatae. Styli rami fl. hermaphr. lineares, cono brevi superati. Achaenia lineari-cuneata, sub 4—5-gona glabriuscula. Pappus simplex, radii et disci conformis, corolla paulo brevior, e setis 12—13 aequalibus sursum barbellatis infra medium membranula hyalina lanceolata integerrima utrinque limbatis. — Herba annua? amara subglabra: caule erecto corymboso; foliis alternis petiolatis biternatisectis, segmentis integris vel trifidis lobisque linearibus; capitulis corymbosis; floribus radii et disci flavis.

1. *H. WISLIZENI A. Gray I. c. f — Mexico.

2602A. ACTIJVELLA Pers.

(Wiprs. Repert. VI. 179.)

1. 'A. SCAPOSA Nutt. — Wiprs. I. c. 180. no. 6. — A. Gray, Boston Journ. of Nat. Hist. VI. 231. — *Gaillardia Roemeriana* Scheele, *Linnaea* XXII. 161?')
2. A. DEPRESSA Harvey & Gray, *Plant. Fendler.* 100. adn. — Nana escaposa multiceps: caudicibus dense caespitosis oblongis, foliis anguste linearibus punctatis glabris basi vaginata imbricante lanatissimis suffultis, capitulo arete sessili terminatis; pappi paleis 5—6 ovalis acuminato-aristatis corolla disci paulo brevioribus. —
(J. *pygmaea*: caudicibus cum capitulo globosis; foliis junioribus cano-sericeis, annotinis glabris. — Habitat in America boreali (Rocky mountains.)
3. A. ARGENTEA A. Gray, *Plant. Fendler.* 100. no. 421. f — Gaulescens, undique sericeo-incana: caulibus (4—10-uncialibus), inferne ramosis ascendentibus, apice longe apophyllo monocephalis; foliis integerrimis oblanceolatis nitenti-sericeis, imis rosulatis spathulatis trinerviis, caulinis superioribus linearibus uninerviis; involucri squamis triseriatis lanceolatis; pappi paleis late ovatis breviter aristatis, nervo evanido. — Crescit in Nova Mexico.

2614. MEYERIA DC.

(DC. Prodr. 4: 670.)

1. M. TEUCRIIFOLIA Gardn. in Hook. *Journ. of bot.* VII. 412. — Fruticosa ramosa: ramis teretibus striatis hirtellis; foliis breviter petiolatis ovato-lanceolatis acutis, basi

*) G. ROEMERIANA Scheele, *Linnaea* XXII. 161. f — Perennis acaulis. Scapus erectus striatus uniflorus pilis appressis basi conjunctis strigosus, apice ferrugineo-tomentosus. Folia radicalia plurima oblanceolata strigosa acutiuscula integra vel supra medium atriaque vel unilateraliter inciso-unidentata, in petiolum basi dilatatum vaginantem attenuata. scapo quadruple breviora. Capitulum multiflorum radiatura aureum. Involucrum hemisphaericum inspiciale, squamae foliaceae oblongae acutae villosae, basi callosae, disco breviores. Receptaculum hemisphaericum, neque foveolatum neque paleaceum flumbrillatum, flumbrillae elongatae rigidae. Flosculi radii uniseriales 16—20 ligulati aurei nervi cuneiformes quadrinervi, apice tridentati, supra glabri, subtus glandulosi, basi nervisque siriati, disco 2% longiores, dentes elliptici obscure apiculati, nervi purpurei, in medio apicem versus bifidi et ligulas apice 6-nervi formantes, ita ut bimervi dentifera apice confluent et dentes ligulae binervi evadant. Flosculi discoidei fertiles; corollae tubus brevis dense strigosus, limbus cylindraceus paulo inflatus quinqueidentatus, dentes hispidi. Pappus paleis 5—7 membranaceis uninerviis constant, nervi producti in aristam corollae breviorum. Pappus radii brevius aristatus. Achaenia . . . — Crescit in Texade prope Neubraunfels.

subcuneatis triplinerviis. grosse crenato-serratis. serraturis utrinque hirtellis; capitulis terminalibus breviter pedicellatis solitariis; involucri squamis exterioribus obtusis foliaceis hirtellis brevibus, intimis oblongis. obtusis glabris; paleis lineari-lanceolatis acuminatis; achaeniis scabriusculis; pappi paleis 15 circiter spathulato-oblongis obtusis, achaenio triplo brevioribus. — Frutex 2—3-pedalis. Folia 6—6 lin. longa, 3—4 lin. lata. Involucrum campanulatum, squamis interioribus 5—6 lin. longis striatis, margine scariosis. Corollae ignotae. Achaenia 2¹/₂* lin. longa. — Crescit in Brasiliae provincia Goyaz inter San Domingos et Capella da Posse.

2. M. MICROPHYLLA Gardn. 1. c. 413. — Fruticosa ramosa: ramis teretibus pubescentibus; foliis parvis petiolatis ovatis acutis triplinerviis, margine revolutis crenato-dentatis, dentibus utrinque 2—3, supra scabridis* subtus hirtellis; capitulis terminalibus breviter pedicellatis solitariis; involucri squamis exterioribus ovato-rotundatis subfoliaceis pubescentibus, intimis ovalibus obtusis glabris; paleis oblongis aculis subtridentatis; achaeniis acute quadrangulatis glabris; pappi paleis 12 circiter ellipticis obtusis, achaenio multo brevioribus. — Frutex 2—3-pedalis. Folia 3—3¹/₂ lin. longa, 1¹/₂ — 2 lin. lata. Involucrum ovato-campanulatum, squamis interioribus 3¹/₂ lin. longis striatis, margine scariosis. Ligulae oblongae glabrae, obtuse tridentatae. Corollae disci tubulosae, profunde quinquefidae glabrae. Styli rami exappendiculati. Achaenia 1¹/₂ lin. longa. — Crescit in insulis arenosis fluminis Rio Preto provinciae Pernambuco.

9. M. HYPERICIFOLIA Gardn. 1. c. — Fruticulosa ramosa: ramis teretibus striatis puberulis; foliis vix petiolatis oblongo-linearibus, utrinque glabriusculis, subtus impresso-punctatis; capitulis terminalibus breviter pedicellatis solitariis; involucri squamis exterioribus ovalibus-oblongis obtusis subfoliaceis. basi ciliolatis, intimis oblongis obtusis glabris; paleis anguste linearibus acuminatis; achaeniis obscure quadrangulatis glabris; pappi paleis 12 circiter parvis subrotundis. — Suffrutex bipedalis ramosissimus. Folia 8—10¹/₂ lin. longa, 2—3 lin. lata, subpuberula. Involucrum ovatum, squamis interioribus 3 lin. longis. Ligulae oblongae obscure bidentatae glabrae. Corollae disci tubulosae, profunde quinquefidae glabrae. Styli rami truncati. Achaenia 4¹/₂ lin. longa. — Crescit in Brasiliae provincia Goyaz prope Villa de Natividade.

4. M. ANGUSTIFOLIA Gardn. 1. c. 414. — Suffruticosa ramosa: ramis teretibus striatis puberulis; foliis sessilibus longe linearibus obtusis uninerviis, margine revolutis integeris; capitulis pedicellatis solitariis; involucri squamis exterioribus ovatis obtusis, parum foliaceis glabris, interioribus oblongo-lanceolatis obtusis glabris; paleis anguste lineari-lanceolatis acuminatis; achaeniis glabris; pappi paleis 12 circiter minutis rotundatis. — Suffrutex 2—3-pedalis. Folia 1¹/₂—2 poll. longa. lineam circiter lata, subtus punctata. Involucrum ovatum, squamis interioribus oblongis siliatis, 3 lin. longis. Ligulae ovatae, obscure bidentatae glabrae. Corollae disci tubulosae quinquefidae glabrae. Styli rami truncati subcapitati. Achaenia 1¹/₂ lin. longa. — Crescit in Brasiliae provincia Goyaz prope Villa de Natividade?

5. M. CANDOLLEANA Gardn. 1. c. — Suffruticosa ramosa: ramis teretibus striatis puberulis; foliis breviter petiolatis oblongis obtusis. basi cuneatis. trinerviis. margine revolutis serrato-dentatis. utrinque scabridif. subtus ad nervos pilosiusculis: capillis subcorymbosis paucis longe pedicellatis; involucri squamis exterioribus parvis* ovatis obtusis ciliolatis scabriusculis membranaceis. intimis oblongis obtusis glabris; paleis lanceolatis acuminatis subtridentatis; achaeniis glabris; pappi paleis 12 circiter minutis subrotundatis. — Suffrutex 2¹/₂-pedalis. Folia 1¹/₂—2 poll. longa. lineam circiter lata. Involucrum ovato-campanulatum. squamis interioribus oblongis obtusis striatis. 4¹/₂ lin. longis. Ligulae obovatae. obscure quadridentatae glabrae. Corollae disci tubulosae quinquefidatae. tubo pilosiusculo. Styli rami exappendiculati. Achaenia 4¹/₂ lin. longa. — Crescit in Brasiliae provincia Goyaz prope San Domingos et in provincia Pernambuco in montibus Serra da Batalha districtus Rio Preto.

6. W. ELONGATA Gardn. 1. c. 415. — Suffruticosa ramosa: ramis siliatis-subangulatis; foliis subsessilibus lineari-oblongis obtusis trinerviis, nervia utrinque

que prominulis, subsinuato^crenatis, utrinque scabris, subtus punctatis, margine revolutis; capitulis subcorymbosis paucis pedicellatis; involucri squamis exterioribus paucis ovato-rotundatis, margine scariosis scabris, interioribus obtusis scabriusculis; paleis linearibus - lanceolatis acuminatis; achaeniis glabris, pappi paleis* 15 circiter parvis subrotundatis subdentatis. — Suffrutex 3—4-pedalis. Folia 1¹/₂—2 poll, longa, 3—5 lin. lata. Involucrum ovato-campanulatum, squamis interioribus siccis ciliolatis, 4¹/₂ lin. longis. Ligulae obovato-oblongae, obtuse tridentatae glabrae. Corollae disci tubulosae quinquefidae glabrae, styli rami exappendiculati. Achaenia 1% lin. longa. — Crescit in montibus Serra de Natividade provinciae Goyaz in Brasilia.

2616. CAIEA H. Br.

(DC. Prodr. V. 671. VII. 294. [excl. sect.1.] — Wlprs. Repert. II. 629.)

Sect. II. DISCOCALEA DC.

1. C. SUBROTUNDA Gardn. in Hook. Lond. Journ. of bot. VII. 415. — Fritticosa: ramis oppositis villosis - tomentosis; foliis petiolatis late ovato-subrotundis obtusis, basi cordatis triplinerviis, margine revolutis obtuse crenatis, supra hirtellis scabriusculis, subtus villosis - tomentosis; corymbis terminalibus et axillaribus confertis 5—8-cephalis, capitulis ovatis discoideis 6—8-floris; involucri squamis membranaceis, exterioribus ovato-rotundatis, obtuse mucronatis ciliatis, intimis ovato-oblongis obtusis glabris; paleis ovato-lanceolatis tridentatis, dente medio lato obtusissimo lacerato, lateralibus minoribus acutis; uchaeniis hispidis; pappi paleis linearibus acuminatis serrulatis. — Frutex 2—3-pedalis. Folia 1¹/₂—2 poll, longa, 17—21 lin. lata. Involucrum 3% lin. longum. Corollae tubulosae, profunde quinquefidae luteae. Styli rami exappendiculati. Paleae pappi 20, achaenio duplo longiores. — Crescit in Brasiliae provincia Goyaz prope San Pedro.
2. C. LANTANOIDES Gardn. 1. c. 416. — Caule suffruticoso erecto tereti striato pubescente vix ramoso; foliis oppositis petiolatis ovatis obtusis, basi rotundatis triplinerviis, margine revolutis crenato-dentatis, supra scabris, subtus pubescens-tomentosis; pedunculis axillaribus terminalibusque, ad apicem subfoliaceis, folio brevioribus; capitulis pedicellatis umbellatis ovato-oblongis septemfloris; involucri squamis exterioribus ovatis acutis, intimis ovato-oblongis obtusis; paleis ovato-lanceolatis subtridentatis, dentibus acutis; uchaeniis hispidis; pappi paleis linearibus acuminatis serrulatis. — Suffrutex 2—3-pedalis. Folia 3—3¹/₂ poll, longa. — 2 poll. lata. Involucrum 3¹/₂ lin. longum. Receptaculum conisum. Corollae tubulosae profunde quinquefidae luteae styli rami elongati exappendiculati. Paleae pappi 20, achaenio plus duplo longiores. — Crescit in Brasiliae provincia Goyaz prope Villa de Arrayas.
3. C. RETICULATA Gardn. 1. c. — Caule suffruticoso erecto subsulcato pubescente ramoso; foliis ternis verticillatis breviter petiolatis obovato-oblongis obtusis, basi emarginatis triplinerviis, margine revolutis, grosse serrato-dentatis, supra scabris, subtus ad nervos hirtellis; capitulis pedicellatis terminalibus paucis plurifloris discoideis; involucri campanulati squamis exterioribus oblongis obtusis foliaceis hispidis, discum aequantibus, intimis oblongis obtusis membranaceis ciliatis; paleis oblongis acutis ad apicem 3—5-dentatis, dentibus acutis lacerato-pilosis; achaeniis angulatis pilosis maculatis; pappi paleis linearibus acuminatis serrulatis. — Suffrutex bipedalis. Folia 1¹/₂ poll, longa. 17, -2 poll lata, subtus reticulato-venosa, venis prominulis, Infructibus 5 lin. longum. Receptaculum planiuculum. Corollae tubulosae quinquefidae luteae. Styli rami exappendiculati. Paleae pappi 20, achaenio sesquilingiores. — *Similaris C. lemifoliae* H. B. Knth. — Crescit in Brasiliae provincia Goyaz prope Mission of Dur...

Sect. 3. *tALEACTA.*

4. *C. EUPATORIOIDES* Gardn. I. c. 417.— Canle suffruticoso erecto ramoso; ramis aequalibus piloso-pubescentibus; foliis oppositis petiolatis ovato-lanceolatis acuminatis, basi subcordatis penniveniis serrato-dentatis, supra scabris, subtus villosis-subtomentosis; capitulis pedicellatis pauciradiatis ad apices ramulorum umbellatis; involucri squamis exterioribus ovatis obtusis, exclus pilosiusculis ciliatis, intimis oblongis obtusissimis ciliatis; paleis ovato-lanceolatis acuminatis laceratis; achaeniis terebinthaceis glabris, minute resinoso-glanduloso-punctatis; pappi paleis anguste linearibus acuminatis serrulatis. — Suffrutex 6-pedalis. Folia 4 poll, longa, 15—18 lin. lat. Involucrum 5 lin. longum. Receptaculum conicum. Corollae flavae, radii ligulatae paucae anguste oblongae obtusae subnigrae, disci tubulosae, profunde quinquefidae, styli rami exappendiculati. Paleae pappi 20, achaenio paulo longiores. — Crescit in Brasiliae provincia Minas Geraes prope Morro Velho.
5. *C. ANGUSTIFOLIA* Gardn. I. c. — Caule simplici erecto tereti striato pilosiusculo, basi folioso, superne longe aphylo; foliis ternato-venicillatis sessilibus anguste linearilanceolatis acuminatis trinerviis. distanter subdentatis, utrinque pilosiusculis; capitulo terminali solitario radiato; involucri campanulati squamis exterioribus ovato-lanceolatis acutis striatis glabris. intimis ovalibus obtusis striatis glabris; paleis anguste linearibus acuminatis serrulatis. — Herba perennis. Radix lignosa. Caules plures sesquipedales. Folia 2 $\frac{1}{2}$ —5 poll, longa, 3 lin. lata, reticulata, venis utrinque prominulis. Involucrum 6 lin. longum. Receptaculum planum. Corollae flavae, radii ligulatae, ligulis 10 circiter late oblongis obtusis tridentatis, disci tubulosae quinquefidae. Styli rami exappendiculati. Pappi paleae 20, achaenio paulo longiores. — Similis *C. uniflorae* Less. — Crescit in provincia Goyaz Brasiliae prope Villa de Array as.
6. *C. LONGIFOLIA* Gardn. I. c. 418. — Caule simplici erecto tereti striato, basi folioso, superne longe aphylo; foliis oppositis sessilibus longe linearilanceolatis acuminatis trinerviis, supra medium dentatis, utrinque villosis; capitulo solitario terminali radiato; involucri campanulati squamis exterioribus ovatis obtusis striatis glabris, intimis oblongis obtusissimis glabris; paleis anguste linearibus acuminatis; achaeniis angulatis hispidis, pappi paleis anguste linearilanceolatis ciliatis. — Herba perennis. Radix lignosa. Caules plures sesquipedales. Folia 4— $\frac{1}{2}$ poll, longa, $\frac{7}{8}$ lin. lata, reticulata, venis utrinque prominulis. Receptaculum planum. Corollae flavae, radii ligulatae, ligulis linearilanceolatis quadridentatis, disci tubulosae quinquefidae. Styli rami exappendiculati. Pappi paleae 20, achaenio paulo longiores. — Crescit in Brasiliae provincia Goyaz, prope Natividade.

Sect. 4. *LEONTOPHTHALMUM.*

7. *C. TOMENTOSA* Gardn. I. c. 418. — Caule simplici erecto tereti striato villosis, basi folioso, longe superne aphylo; foliis oppositis sessilibus ovalibus obtusis, basi cuneatis trinerviis grosse crenato-dentatis, utrinque cinereo-hirtello-tomentosis; capitulo solitario terminali radiato; involucri campanulati squamis, exterioribus late ovatis obtusis foliaceis hirtello-tomentosis, intimis oblongis obtusis membranaceis glabris; paleis anguste linearibus acum in a tissimi s; achaeniis angulatis pilosiusculis; pappi paleis anguste lanceolato-linearibus serrulatis. — Caules plures ex eadem radice subpedales. Folia 7 poll, longa, 10—12 lin. lata. Receptaculum planum. Corollae flavae, radii ligulatae, ligulis oblongis obscure dentatis, disci tubulosae quinquefidae. Styli rami exappendiculati. Pappi paleae 18 circiter. achaenio duplo longiores. — Similis *C. oligophthalmae* DC. — Crescit in Brasiliae provincia Minas Geraes, in montibus Sena de Cifral del Roy.

2616/. AMFHCALIEA *Gar* (*In.*)

(Gardn. in Hook. Lond. Journ. of bot. VII. 411. — *Caleae* sect. I. DC. Prodr. V. 672.)

Capitulum quadriflorum homogamum. Involucrum cylindricum, squamis pluriserialibus adpresse imbricatis siccis, exterioribus ovatis obtusis, intimis oblongis obtusis. Receptaculum parvum conicum nudum. Corollae tubulosae quinquefidae. Antherae caudatae exsertae. Styli rami apice truncati subcapitati hispiduli. Achaenia linearis longiora tetragona resinosa-punctata villosa. Pappus uniserialis, paleis circiter 12 scariosis nervis lineari-lanceolatis acuminatis, ad apicem laceralo-pilosis. — Herbae aut frutices Brasilienses: caulis erectis, ad apicem corymboso-paniculatis glabris vel velutino-tomentosis; foliis alternis vel oppositis (?), sessilibus elliptico-oblongis aut subrotundatis, integris aut crenato-dentatis, subparallelis nervis reticulatis; capitulis pedicellatis ad apices ramulorum ternis, in corymbum amplum compositum dispositis; floribus luteis.

1. A. FRUTICOSA Gardn. l. c. 412. — Fruticosa: caulibus angulato-sulcatis fulvo-velutino-tomentosis, ad apicem ramosis; foliis alternis sessilibus subrotundatis crenato-dentatis penninerviis, vel junioribus subparallelis nervis, utrinque scabris, subtus puberulis et valde reticulatis. — Frutex iripedalis, Caulis plures ex eadem radice. Folia 2 $\frac{1}{4}$ —3 poll, longa, 2—2 $\frac{1}{2}$ poll, lata, subtus pallida. Capitula breviter pedicellata subcylindrica. Involucrum 6 lin. longum glabriusculum stramineum. Achaenia 2% Hn. longa, squamellis 1 $\frac{1}{2}$ lin. longis. — Crescit in montibus Serra das Araras inter provincias Minas Geraus et Goyaz Brasiliae.
2. A. GEJNTIANOIDES Gardn. — *Calea gentianoides* DC. Prodr. V. 672. DO. 1.

2622. TRIDAX *Linn.*

(DC. Prodr. V. 679).

1. TR. DICOLOR A. Gray, Plant. Fendler. 104. adn. — Annuum humilis glanduloso-pubescentissima: caule erecto; ramis apice modice nudis monocephalis; foliis oblongis vel lanceolatis integerrimis (an semper?); paleis receptaculi oblongis longe acuminatis; ligulis rubris cuneato-oblongis breviter trilobis; pappo purpureo et setis circiter, achacniis aequantibus, corolla disci atque tubo ligularum dimidio brevioribus. Crescit in Americae borealis civitate Cibicouaba.

2626. SPHEFOCURAS: *R. Br.*

(DC. Prodr. V. 681 — Wipr. Repert. U. 630. VI. 182.)

1. SPH. (Sect. I. S- 2.) ECKLONIANA Sonder, Linnaea XXIII. 64. f — Fruticosa ~~robusta~~ erecta foliosa: foliis subimbricatis lineari-lanceolatis acutis planis indivisis integerrimisque rufescentibus. utrinque poroso-punctatis, subtus tenuissime pubescentibus, pedunculis terminalibus subsiliariis elongatis monocephalis pilosiusculis; involucris hemisphaericis squamis interioribus herbaceis acutis, extus puberulis, interiorum margine scariosis; ligulis oblongis flavis; achaeniis sulcatis glabris. — In Promontorio bonae spei (Kloinriviersberge).

2627/a. *IiACWPHYIliA Null.*

(Wlprs. Report. VI. 182.)

1. *L. DICUOTOMA* Bnib. Plant. Hartw. p. 317. no. 1783. — Erccia, minute strigpso-scabra: foliis dissilis lii^ri-oblongis subspalhulalisque obtusis vix crenatis; capitulis ad apices ramulorum glomeratis vel in dichotomies et secus ramos solitariis brevissimo pedicellatis; achaoniis radii obcompressis minuto striaiis. — Herba annua, 1—1%—pcdalis, superne dichotome ramosa, caule ramisque tenuibus rigidis teretibus vix sub lente minute strigosis; ramuli apico evidentius pubescentos. Folia pauca, caulina pollicarin integerrima vel irregulariter crenata, basi in petiolum longiuscule angustata, utn'que pilis brevibus appressis c luberculo ortis scabra. Capitula quam in *L. ramosissshna* paulo majora, bract cis 2 — 3 linearibus foliaccis fnlta. Involucri squamae 5, 2 1/2 lin. longae obovatae et foliacco-acuminalac, marginibus plicalis flores radii iucludentes, pilis appressis viscoso-hirlac. Fiorina radii ligulac (luicao?) involucro aequilongae lalae tridentatac. Paleae intra radium et discum uniscialcs liberae; receptaculum disci minute villosum. Corollac disci paucae steriles glabrac. Acbaenia radii facie interioro concaviuscula, exlerne convexa, ulrinque crebre et minute striata. Genus *Hemizoniac* et *Madariae* arete affQno. — Crescit in pascuis vallis Sacramento Californiao.

2629/B. *AMAUBIA Bnth.*

(Wlprs. Ropert. VI. 183.)

- A. (?) *UISSECTA* A. Gray. Plant. Fendler. 104. no. 425. f — Herbacea puberula: caule ascendente apice corymboso polycephalo; foliis alternis petiolatis biternalisectifc' segmentis cuneiformibus tel sublinearibus saepius 2—3-fldis, summis parvis; pedunculis ff'andulosis; involucri squamis oblongo-lanccolatis subtriseriatis, intimis subscariosis; iecceptaculo convexo; ligults circiter 16; styli ramis fl. disci cono brevissimo truncato-capitaiis; acbaeniis ad angulos laevibus. — Crescit in Nova Mexico.

2633. *IiA YIA Hook. § Arn. Bot. Beech, p. U8.*

Mook. ft Arn. Bot. Beech. voy. 184. — *Madaroglossa* DC. Prodr. V. 694. — Wlprs. Report. II. 632.)

- §• 1. *Madaroglossa* DC. (*Eriopappus* Arn.) — A. Gray, Plant. Fendler. pag. 103. adri.

, Pappi aristae setiformes, basin versus pilis tenuissimis praelongis analo-piumosae seu villosae; receptaculum inter flores radii et disci tantum paleaceum. — *Layiae* sp. Torr. & Gray, Fl. N. Am. II. p. 3»3, excl. n° 1. (Wlprs. Hepert. II. 632.)

§. 2. *Layia* Hook, a Arn.

vPappus ut in S- *•'» receptaculum inter flores disci exteriores Paleaceum.

- l L. *GAILLARDIOIDES* Hook, ft Am. 1. cit. — Torr. tt Gr. fl. N. Am. II. 393. — Dombens, liispida setulis patentibus obsita: foliis oblongo-lanccolatis, inferioribusinciso-

serralis, superioribus integris; ramis capituligoris subelongatis; radiis 12—15-nis obovatis, apice irMidis, discum duplo superantibus; pappo fulvo.— *Tridax? gaillardoides* Hook, tt Am. 1. c. Suppl. 357. — In California.

§. 3. *CaUichroa* Fisch. 0: Meyer.

Pappi aristae- ut in §. 1. & 2., sed nudae; r[^]cplaculum inter flores radii et disci lantum paleaccum.

2. *L. PLATYGLOSSA A. Gray 1. c. — *CaUichroa platyglossa* Fisch. & Moy. — WIprs. Repei-t. II. 990. no. 1. (excl. §\n. *Madar. helerotr.* Hook.) — Fischer, Sert. Petropolil. tab. 8.

§. 4. *Calliglossa* Hook. 8c Arn. 1. cit. p. 356. — A. Gray 1. c.

Pappus e palcis inaequalibus subulato-aristiformibus, achenio brevioribus, basi dilatata pi. m. ciliato -setigeris constans; receptaculum toium palceum.

3. *L. CALLIGLOSSA A. Gray 1. c. — *Oxyura* Lindl. Dot. Reg. ex p. — *Calliglossa Douglasii* Hook, tt Arn. 1. cit. — WIprs. Report. II. 990. no. 2. — Fisch. fit Mey. Sert. Pctrop. fol. fr lab. 7.

§. 5. *Calliachyris* Torr. & Cray 1. c.

Pappus e paleis (circ. 12 subaequalibus achacnium aequantibus) ovato-lanceolalis, apice subulato-cuspidatis \el nudis, basi pilis longis paucis interpositis constans; receptaculum etc. *Calliglossae*,

4. *L. FRKMONTII A. Gray 1. c — Ilunulis difTusa: tubo corollae disci pubescente. — *Calliachyris Fremontii* Torr. Qc Gray in Cost. Journ. of nat. hist. V. p. 140. — Habitat in 'California.

Subtribus. VI. *ANTIHEMWEAE* Cass. — DC Prodr. VI 1.

2639. *ASPTHEIKEIS* DC.

(DC. Prodr. VI. 4. VII. 295. - WIprs. Ropert. II. 633. VI. 185. & 722, Annal. I. 417.)

1. A. (*Chamacmelum*) TIGREENSlg I. Gay mss. ex A. Rich. Tent. fl. Abyss. I. 418. — Cnuc a basi ramoso; ramis suberectis aut ascendeniibus terctibus, strialis pilosis; foliis tripinnatisectis, segmentis acutis, acumine corinceo crasso albescente terminatis; capitulis ramulos terminantibus; involucri squamis obovali-oblongis, 'margine nigrescente scariosis, apice obtusissimis, dorso sublanalis; receptaculi conici sen's linearibus acutis glabris persistentibus longitudine flosculorum; achacniis subteretibus, apice paulo cras-iiofe iruncalis subconcavis, nudis glabiis, 8 — 10-costatis, costis obtusis. — In Abjssiniaie prov. Chire*.
2. A. (*Euanthemis*) COLLINA Jordan, Cal. do jard. de Dijon 1848. p. 18. — Pedunculis in apice ramorum soliiniis longe nudis; involucri hemisphaerici basi haud umbilicali foliolis adpressis tomenloso-pubesceeniibus, dorso viridibus, cacterum scarioso-pallidis, exterioribus brevioribus ovalo-lanceolatis ncutis convexis leviterque carinatis, intejtfribus elliptico-oblongis oblusis; capitulis fructiferis ovoidcis; acliacniis griseis lineB* oblongjs, basi atlcinialis, coronula oblique truncata brevissima leiminalis; receptoculi, palcis deciduis oblongo - cuucalis lc\iler concavis, apice suhiuncalo-dcnialis, caria

viridi breviter excurrente mucronatis,* flosculosubaequantibus; foliis adprosse pabescantibus subincanis peliolatis, omnibus basi ⁴oliriculatis*subbipinnatipartitis, laciniis linearibus subacutis patulis; caulibus ramosissimis patulo-diffusis, supra ascendentibus; caudice ramoso, surculis radicanibus aucto, denso caespitoso. — Habitat in linen's propo Tournow.

3. A. TROTZKIANA Claus. Ann. des sc. not. 1848. IX. p. 317. — Caulibus basi fruticulosus ascendentibus erectis, simplicibus paucirameisve ramisque apice aphyllis monocephalis, superne glabratis; foliis junioribus albo-tomentosis, demum subglabratis carnosulis bipinnatisectis, segmentis linearibus abbreviatis integris incisive cartilagineo-cuspidatis, summis pinnatisectis; involucri squararum exterioribus ovalis acutis inargine albo-villosulis, intimis hyalino-albo-appendiculatis, appendice lacera integrave; receptaculi breviter conici aculi paleis oblongis abrupte longe acuminatis carinatis, corolla parum brevioribus; ligulis latissimis flavis; achaeniis disci obpyramidato-tetragonis;* pappo brevissimo coronaciformi denticulato. — Crescit in montibus cretaeis prope Chwalynsk gubern. Saratow.
4. A. CORNUGOPIAE Boiss. Diagnos. plant. orient. nov. XI. p. 8. f — Annuum a basi ramosa: caulibus ascendentibus subsimplicibus glabris; foliis parce hirtulis a basi tenuissime bipinnatisectis, laciniis setaceis mucronulo terminatis, supremis pinnatisectis brevissimis; capitulis solitariis; involucri parce birtis phyllis oblongo-linearibus praeter nervuram medium subcarinantem virentem pallidis, appendice ovato-triangulari scariosa fusca, secus margines anguste decurrenti terminatis; receptaculo subgloboso toto paleaceo; paleis lanceolatis carinalis in mucronem subpungentem obtusis integris, achaenio longioribus, dorso viridibus, caeterum scariosis; ligulis albis oblongis disco subbrevioribus, demum reflexis; florum hermaphroditorum tubo basi intra coronam achaenii inflato ovalo-pyriformi spongioso indurato birtis purpureo; achaeniis a basi angustiori obsolete tuberculata sensim dilatatis obconicis, obsolete anulatis, in coronam crassam dimidiatam corticosam sublobatam iis aequilongam abentibus, exterioribus angustioribus subcylindricis, basi magis tuberculatis. — Crescit in Antilibano Galilaeae.
5. A. RASCHEYANA Boiss. 1. c. f — Annuum adpresso hirta grisea: caule pumilio, infero-folioso ramosoque; ramis arcuato-ascendentibus; foliis ambitu oblongis¹ peliolatis bipinnatisectis, lobulis brevibus tenuissimis confertis; capitulis pedunculo gracili longo, fructifero non clavato stultis; involucri phyllis glabriusculis oblongis late et pallide scariosis sublaceris; ligulis albis ovato-oblongis, disco brevioribus cito reflexis; receptaculi hemisphaerici paleis oblongo-lanceolatis obtusis vel iruncalis denticulatis, nervo in aristam brevem exserto; achaeniis omnibus albis tenuiter cylindricis laevibus, obsolete striatis nudis. — Crescit in Antilibano inter Rascheya et Damascus.
6. A. CRASSIPES Boiss. 1. c. 9. f — Annuum adpressissime hirta grisea, a basi divaricatum ramosissima: foliis ambitu ovato-rotundis bipinnatisectis, partitionibus divergentibus, lobulis minutis brevibus; capitulis pedunculo longo nudo, demum clavato-incrasato stultis; involucri phyllis adpressissimis adpresse hirsutis ovalis late scarioso-arginalis dentato-laceris; ligulis albis oblongis disco aequilongis; receptaculi hemisphaerici paleis anguste lanceolatis carinatis. in mucronem rigidum altonualis integerrimis; achaeniis tetragonis laevibus estriatis, latere interiori corona brevissima dimidiata marginiformi, exteriorum fusca crassiuscula lobata, interiorum albida acuta superius. — Crescit circa Rascheya et in Antilibano cum *A. lascheyana*.
7. A. AAIMOPHILA Boiss. ft Heldr. I. c. f — Annuum a basi pluricaulis: caulibus pumilis procumbentibus erectisque subsimplicibus rubellis glabriusculis; foliis petiolatis minutis adpresse hirtis griseis pinnatisectis. segmentis minimis in lobulos 2—5 confertos oblongos acutiusculos iterum pinnatis: pedunculis glabris, fructiferis clavato-incrasatis; involucri phyllis adpresse hirtis, superne late albo-scariosis oblongis obtusis suberosis; receptaculi conici paleis oblongis carinalis aculis nervo carinali viridi excepto basalibus paulo brevioribus; ligulis albis oblongis disco longioribus;

- ucbacniis minus quadroogulis. JbasLotlonuatis laovibus, apice iruncaus, obsolete et acute marginalia, omnibus confonhibus. — Crescit in arcnosis Pamphylliae ad littora man's propc osiura fluvii Melas infra Monargat.
8. A. CASSIA Boiss. 1. c. 10. t — Perennis, basi guffrutscens cacspitosa, tota sericeo-cana: foliis scats partem inferiorcm caulium turionesque steriles congestis longe petiolatis, ambiu oblongis pinnatisectis 3—4-jugis, rhachide segmentisque linearibus, hisce profunde 2—3-fldis, laciniis linearibus acutiusculis; caulibus clongatis simplicissimis praeler basin foliosam nudis monocephalis; capilulis magnis; involucri phyllis ndpccssissimis lanceolatis acutis pallidis, sparsim et breviter, praesertim ad margines albolanatis; receptaculi hemisphnerici paleis oblongis concavo-subcarinatis obtusis erososubdentatis, ncrvo medio in mucronem rigidum flosculos aequantem produclo; ligulis nlbis linearibus disco vix brevioribus; achaeniis albis lacvibus quadrangulis, corona hyalina tenerrima brevi truncata subcrosa dimidiata latere interiori coronatis. — Crescit in regione superiore Cassii.
9. A. ANATOLICA Doiss. 1. c. 10. f — Perennis, basi subindurata caespitosa: caulibus pluribus tenuibus rigidulis oscendentibus, in femo ramosis vel simplicibus; foliis adpresse cincreis, turionum sterilium peliolalis, ambitu ovatis bipinnatisectis, laciniis angustissime oblongo-linearibus obtusis, foliis caulinis paucis subsessilibus vel sessilibus, a basi subsimpliciter pinnatisectis; capilulis longopedunculatis; involucri **phyllis** adpressissimis breviter el parce hirtis, margine rufescentibus, lanceolatis acutis, interioribus apice obtusioribus magis scariosis; receptaculi cdnici paleis lanceolatis carinatis, apice crosso-subdentatis, in mucronem flosculos aequantem attenuoiiis; ligulis albis oblongis discum subaequantibus; aohaeniis albis quadrangulis obsolete striatis, exterioribus praesclim ad strias minute tuberculatis, corona brevissima integra dimidiata acua latere interiori superntis.
- var. P« *discoidea*: saepius minus cinerea vel virescens, lebi foliorum paulo magis divaricati, ligulae nullae. — Crescit in montosis et submontosis siccis Anatoliae.
10. A. RHODENSIS Doiss. Dingnos. 1. c. p. 11. — Dasi suffruticosa, ad paries juniores adpresse hirta cinerea: ramis tenuibus inl'crnc densiuscule foliosis in pedunculum nudum monocephalum abeunlibus; foliis a basi pinnatisectis, rhachide segmentisque paucis planiusculis lineari-subulalis mucronulatis, inferioribus indivisis, superioribus termioalique paulo longioribus, longiuscule 2—3-fldis; capilulis parvis discoideis; involucri phyllis triangularibus lanceolaliquo acutis pallidis, margine fuscocscnlibu* adpressissimis; paleis linearibus carinatis, apice in mucronem flosculos aequantem abrupte attenuatis; achaeniis . . . ? — Crescit in insula Uhodo.
11. A. (*Chrysantheniis*) PERSEPOLITANA Doiss. I. c. no. 7. f ~ Annuum pluricaulis: caulibus ascendentibus abbreviatis parco ramosis adpresse puberulis; foliis sub lento parco el adpresse hirtellis virentibus, ambiu linearibus pinnatisectis, segmentis brevissimis in lobulos paucos ovalo-oblongos obtusos confertos pinnatisectis; capilulis pedunculatis terminalibus; involucri glaberrimi phyllis omnino et late scariosis pallidis ov.uis erosulis cucullatis; *ligulis* llavis breviter ovaiis disco brevioribus; flosculis tubulosis, basi hirsutis; receptaculi convexi pnleis linearibus setaceis aculis; achaeniis . . . ? — A. *scanosa* Doiss. — Crescit in "plauiiiie prdpe ruinas Persopolis.
- t'Z. A. (*Cola*) COHLOPODA Boiss. 1. c. 12. + — Annuum parce et minute puberula vel glabrescens viridis: caule crassiusculo fere a basi divaricalim ramoso; ramis dichotomis; foliis ambiu ovaiis bipinnatisectis, rhachide iitcgra, partitiombus linearibus iniegris denuis vel eliam lobatis, dcuibus lobisquo divaricalis bicvissime mucronatis; capilulis mognjis. pedunculo valde clavalo-incrassato, intus inani suffultis, laxe corymbosis; involucri phyllis pallidis arete imbricatis, ab inflmis triangularibus aculis ad intiina lanceolata ciliatula, apice breviter scarioga obtusiuscula oblongatis; ligulis albis disco longioribus; receptaculi hemisphacrici paleis oblongis carinatis abrupte in mucronem rigidum iis aequilongum flosculos aequantem coniraclis; achaeniis letragono* compressis ancipitibus exalatis, utrinque obsolete 1—2-nerviis, corona brevissima ar-

guta mtogra torminatis. — *A. Qltsrtma* BoiſipsttfreſcJt in outlis planitiei Smyrnensis et circa Geyra Cariao,

13. *A. PESTALOZZAE* Boiss. I. c. f — Annua, tola adpreſſe birta grisea, a baſi raſuW-caulis: caulibus tenuibus pumilis ſimplictyu*V<l parco ramosis; foliis parvis pinnatisectis, ſegmentis minimis ovatis In lobulos confertis mucronulatos oblongos pinnatisectis; pedunculis tenuibus, apice ſubincrassalis; capitulis parvis; involucri phyllis hirtis ndpreſſiſſimis ſcariosis pallidis, inflmis acutis, •upefioribus oblongis obtusis; recej>taculi conici paleis oblongis carinatis obtusis, mucrone brevi floſculos aequifli terminatis; achaeniis ſubancipiti-compreſſis, utrinquo obſolete 5-ſlriatis, corona breviffima ezimie denticulato - flmbriata terminatis. •— Crescit prope Elmalu Lyctiae, in parte inferior! montis Taktalu prope Smyrnam.

2643. AUTACYCIILJS *Pers.*

(DC. Prodr. VI. 15.)

1. *A. NIGELLAEFOLIUS* Boiss. Diagn. plant, orient, nov. XI. p. 13. + — Annuus ſparſim et longe hirsutus: caule tenui erecto folioso ſimplici monocephalo vel medium verſus 1—2 ramis monocephalis aucto; foliis inferioribus petiolo baſi peolinatim laciniato ſuffultis pinnatisectis, laciniis rhachideque tenuiffime linearl •setaoeis profunde 2—3-partitis, ſuperioribus ſeſſilibus, laciniis indlvisis, omnibus mucronatis; pedunculo adpreſſe hirtu longiuſculo nudo, fructifero ſenſim incrassato; capitulis parvis; iovolucris adpreſſe birti pallidi phyllis adpreſſis, inferioribus triangularibus aeutis, interioribus oblongis obtusis; ligulis minimis albis ovaio - oblongis, diſco multo brevioribus; floſculis diſci aequaliter quinquedentalis; paleis late oblongis obtusis planis breviffime mucroQatis; achaeniis piano-compreſſis obcordails, all's hyalinis in lobos rotundatos abeuntibus ſemini aequilatis. — Crescit in collibus Antilibani inforioris oirca Raſcheya.

2643/j. IIBVCOCYCIIIJS *Boiss.*

(Boiss. Diagn. plant, orient, nov. XI. p. 13.)

Capitulum multiflorum heterogamum. Flores radii ligulati uniseriales foef^inei, flores diſci tubuloſi hermaphroditi quinquedenlati exalati, baſi in duo labia breviter ovata celluloso-corticoſa achaeni apici utrinque applicata- producti. Receptaculum convexum, paleis oblongo-linearibus concayiuſculis obtusis denticulato-laceris muticis floſculos non aequantibus. Involucrum late campanulatum pluriseriale, phyllis perſtistentibus imbricatis-membranaeis. Achaehia plano-compreſſa cuneatorc-tusa, ala Integra utrinque apice in lobum breviffimum obtusum abeunti yarginata (immatura) epapposa. Antherae baſi obtusae ecaudatae appendiculatae incluſae. Styli rami circinnati exappendiculati. — Herba Perennis Orientalis alpina\ foliis *Achillaeorum Santolinearum* donata: capitulo aRiplo *Leucanthemi*. Genus affine *Anthemidi* et *Anacyclo*, a pnore achaeniis compressis obcordato-alatis diſcedens, a poſteriori diſtinctum coiollis diſci* non bialatis achaeniisque epapposis, ab utroque praeterea corollae tul)O baſi in duo labia plana ſpongioso-cofticoſa producta.

- * *L. FOMOSUS* Boiss. I. c. p. 14. t — Tolus villo rufescenti adpreſſiuſculo lanatQs: caulibus erectis denſiuſcule folioſis, aliis ſterilibus, aHis apico nudis monocephalis: axillis foliorum faſciculos vel ramulos folioſos edentibus; foliis linearibus pinnatisectis, ſegmentis minimis confertiffime imbricatis iranſverſis ovatis convolutoc-concavis acutis, crebre mucronulato-denticulatis; pedunculo apice incrassato; ligulis

affinis late oblongo - spatulatis trilobis disco longioribus; involucri phyllis pallidis oblongis vel oblongo - linearibus anguste hyalino - marginatis obtusis adpressis hirtis. — +*Anacyclus formosus* Fenzl. — Crescit in alpinis Tauri Cilici.

2648A- ARTHROLEPIDIS Boiss.

(Doiss. Diagn. plum, orient, nov. XI. p. 14.)

Capitulum multiflorum heterogamum, floribus radii ligulatis flavis, disci tubulosis hermaphroditis quinquedentatis compresso-bilatis. Involucrum late campanulatum multiseriale, phyllis imbricatis ad medium subcoriaceis, margine late scarioso-hyalinis, secus faciem exteriorem receptaculi areola transverse ovala basilari articulatis anthesique peracta deciduis. Receptaculum obconicum, extus basibus involucri phyllorum areolatum, superne piano-concavum, lineis brevibus elevatis lineari-oblongis concentricis ad achaeniorum basin sitis exaratum. Paleae oblongo-lineares carinatae virscenles, margine et apice late hyalinae obtusae denticulatae, post involucri phylla tandem deciduae. Antherae caudatae appendiculatae inclusae. Styli rami non appendiculati, apice barbulae. Achaenia (immatura) oblongo-lineariter plana anguste alata, apice paulo latiori truncata epapposa. — Herba perennis Orientalis, facie *Anthemidis*, foliis *Achillearum Santolinearum* donata. Genus *Anthemidis* et *Achilleae* affine, utroque generi prius associatum, a priori achaeniis manifeste alatis subrectis, a posteriori capitulis magnis solitariis et habitu, ab ambobus receptaculo piano-concavo involucrique phyllis insigniter jam ante palcas basi articulata secedentibus distinctum.

1. A. MEMDRANACEA Boiss. 1. c. 15. f — Perennis, tota cano-tomentosa, basi suffrutescens: caulibus simplicibus monocephalis vel superne parce ramosis; foliorum linearium pinnatisectis segmentis minimis confertim imbricatis transversis 3—4-partitis, partibus ovalis crebre denticulatis, denticulis mucronatis; involucri phyllis indrastratis ovato-rotundis, interioribus oblongis, omnibus obtusis late albo-hyalinis nitidis, dorso adpressiuscule hirtis; ligulis breviter oblongis laevibus, disco paulo brevioribus. — *Artemisia membranacea* Labill. Decad. III. 14. tab. 9. — *Achillea membranacea* DC. Prodr. VI. 3K. no. 49. — In Libano.
2. *A. IMURICATA Boiss. 1. c. adn. — *Achillea imbricata* Vent. — DC. I. c. no. 48.

2649. ACHILLEA Neck.

(DC. Prodr. VI. 24. VII. 295. — Wipr. Reprt. II. 634. VI. 190, Annal. I. 419.)

1. A. (*Filipendulinae*) OXYDONTA Boiss. Diagn. plant, orient, nov. XI. p. 15. f — Caulibus basi procumbentibus nudis, demum ascenduntibus foliosis crectis flexuosis elatis serialis glabrisculis simplicibus, vel ex axillis inferioribus ramulosis; foliis sessilibus linearibus pinnatisectis, rhachide plana latiuscula, segmentis remoliusculis minimis deniformibus iriangulari - oblongis bi-vel trilobis, lobis in mucroaem aboulibus foliis summis acute et pectinatim pinnatisectis; corymbo terminali denso compositi subgloboso, ramis circinnato-recurvibus; pedicellis involucrum non aequantibus; capitulis cylindricis paucifloris; involucri laxe lanati phyllis oblongis praeter lineam mediam virescentem albo-membranaceis, apice pallido rufescentibus limbricatis; ligulis flavis 2—3 involucro multo brevioribus transverse latioribus brevissime subtrilobis palcis valde lanatis (lores non acquantibus. — Crescit in latice orientali laevis **Mare** Mahal ad radices raontis Elbrus in Persia.

2. A. TAYGETEA Boiss. & Heldr. I. c. 16. f — Tota dense et brevissime albo-fomentosa, basi suffruticulosa, caules fertiles fasciculosque steriles foliorum edens: caulibus ascendentibus simplicissimis, superne nudis corymbum parvum compositum densissimum ferentibus; foliis ambulo linearibus pinnatisectis, segmentis oblongis, basi alternatis in lacinas oblongas obtusas saepe bilobas pinnatipartitis; foliis radicalibus petiolatis, superioribus sessilibus abbreviatis, segmentis dentatis; capitulis minutis ovatis valde congestis, pedunculo iis breviori suffultis; involucri phyllis sordide et breviter albo-lanatis pallidis ovalis oblongisve obtusis; flosculis marginalibus 4—5 foemineis semiligulatis, limbo minimo, caeteris vix ampliori longiorique transverse 4—5-lobulato; achaeniis oblongo-linearibus. basi angustatis compressis angustissime albo-marginatis; paleis oblongis concavis glabris obtusiusculis, apice sublaccris. — *A. Aegyptiaca* Fl. Graeca tab. 892. (nee Linn.) — Crescit in regione excelsiori Taygeti.
3. A. (*SantoUnmdeae*) TALAGONICA Boiss. 1. c. 17. f — Caulibus leniibus erectis simplicissimis subangulatis foliosis adpressissime hirtis albidis, apice corymbum parvum polycephalum densum compositum ferentibus; foliis sparsis angustissimo linearibus glabrescentibus pinnatisectis, segmentis transversis cucullatis ovato-rotundis 2—3-partitis raucronulato-denticulatis confertissime imbricatis eximie distichis; pedunculis tenuibus capitulo aequilongis; capitulis parvis; involucri hemisphaerici brevissime hirti phyllis oblongis obtusis, margine amplissimae scariosae; paleis linearibus carinatis byalinis, superne hirsutis obtusiusculis; ligulis paucis minimis flavis transverse latioribus subreniformibus 2—3-lobis. — Crescit in argillosis prope Gattade valis Talagon montis Elbrus in Persia.
4. A. LYCAONICA Boiss. et Heldr. I. c. f — Caulibus angulato-striatis rigidis foliosis erectis adpresso canescentibus simplicibus vel in femore ramosis; corymbo terminali densissimo compacto polycephalo; ramis angulatis; foliis sparsis virescentibus linearibus teretiusculis pinnatisectis, segmentis transversis laxiuscule imbricatis tripartitis, lobis crustato-marginalis valde spinuloso-mucronulatis; pedunculis crassis capitulo brevioribus; capitulis ovatis mediocribus; involucri parvo at adpresso hirti phyllis abinflatis ovatis adpressis oblonga sensim auctis anguste membranaceis; paleis oblongis carinatis acuminatis glabris; ligulis minimis flavis transverse sublatis trilobis. — Crescit prope Souliman-hatsi ad radices montis Karadagh in aridis planitiebus Isauriae.
5. A. SULPHUREA Boiss. et Heldr. I. c. 18. f — Basi suffrutescens multicaulis: caulibus teretibus elatis simplicibus foliosis adpresso canis. axillis foliorum fasciculiferis; foliis anguste lineari-teretiusculis adpresso canescentibus pinnatisectis, segmentis minutis transversis dense et distiche imbricatis ovato-rotundis concavis trilobis minutissimae denticulatis; corymbis terminalibus compositis polycephalis densiusculis, ramis elongatis; pedunculis capitulo 2—3-plo longioribus; capitulis mediocribus ovato-rotundis; involucri dense et brevissime lomenello-canescens phyllis adpressissimis vix membranaceis. inflatis ovatis. caeteris oblongis; paleis oblongis carinatis obtusis. Paleae ciliatae; ligulis sulplmreis reniformibus retusis. disco aequilongis. — *A. Aleppica* Flew. non DC. — Crescit in Cappadocia ad Euphratem, in herbis siccis Tauri Isaurici inter Ermenek et Tourchalar, ad radices Antilibani inter Damaacuin et Zebdani.

2656/. XAHTTHO Remy.

(Remy. Ann. sc. nat. [3. Ser.] XII. 191.)

Capitulum radiale multiflorum heterogamum. Involucrum simplex Saniopyium campanulatum complanatum multi-(11—13)-fidum, laciniis, oblongis acutis. Receptaculum conicum tuberculatum epaleaceum glabrum. Corollae radii uniseriales ligulatae foemineae anantherae fertiles, ligula ovali-
 Uiptica apice emarginata v. bidentata, disci multiseriales tubulosae herma-
 II. 112

phroditae fertiles sterilesve, lobo basi inflato, limbo campanulato aequaliter quinquelido, laciniis ovali-oblongis acutis. Stamina 5 inclusa, filamenta breviter glabra plana fauci inserta, infra apicem subarliculata, antherae ellipticae ecaudatae, appendice cordiformi-ovata acuta terminatae. Pollen globosum ebinulatum. Stylorum radii rami lineares sat breves oblusi, ab apice fere usque ad basin papulosi, disci paulo longiores, apice dilatato trigonales acuti arcuali, extus fere per omnem longitudinem, sed apice longius papulosi. Discus epiginus parvus crassus integer. Achaenia disci et radii consimilia oblongo-linearia, inferne subattenuata depressa, tantulum antice arcuata glabra laevia multinervia, basi breviter latiusque substipitata, apice annulato apicali integerim terminata. Pappus omnino nullus.

1. -X. (LASTHENIA Lindl. - DC. Prodr. V. 665. no. 3.) GLABRATA Remy I. c. 192. — California.

2669/2. CHAMAEMELI Vis.

(Vis. Flor. Dalmatic. II. 84. — Doiss. Diagn. pi. orient. nov. XI. p. 20.)

Genus valde naturale, achaenio latere exteriori convexo ecostato/interiori bisulco trisulcato, costis omnibus e pappi substantia formatis, lateralibus marginantibus distinctum, inter *Matricariam* et *Pyrethrum* collocandum. Prior differet receptaculo cavo conico, achaenio unilateraliter quinquecostato, posteriori distinguitur achaenii teretis costis aequalibus aequidistantibus. Nomen *Chamaemeli* propter affinitatem cum *Chamomilla* aptissimum felicissime a Visianio huic generi restitutum fuit; sectio enim An'hemidis a DC. eodem nomine designata minime naturalis et nullo modo servanda. Species *Chamaemeli* bucusque notae sequentes sunt.

1. Perennia.

1. *CH. ELONGATUM Boiss. 1. c. — *Pyrethrum elongatum* F. & M. — DC*. Prodr. VI. 56. no. 20.
2. *CH. CAUCASICUM Boiss. 1. c. — *Pyrethrum Can c a si cum* W. — DC. I. c. no. 19.
3. *CH. AMBIGUUM Boiss. 1. c. — *Pyrethrum ambiguum* Ldb. — DC. 1. c. 54. no. 3. — In hac specie et in praecedenti nchaenia interna compressione saepe medio dorso sub" carinata esse videtur.
4. *CH. OREADES Boiss. 1. c. 21. — *Mulicaria oreades* Boiss. — Wlprs. Repert. VI. 194. no. 7. — Ilanc speciem in Linnno deiecit auctor; achaenia nigricantia. dorso convexa epunctata, ventre alba tricornata, costis crassis latitudine sulcos superantibus, caroua achaenio quadruplo breviori lobata
var. p. *canescens*: major, pedalis et ultra, folia adpresse hirsuta grisea, involucri phylla magis fusca. — Crescit in rupibus Antilibani ad Souk Wadi Barrada.

II. Annua vel biennia.

5. *CH. PRAECOX Vis. 1. c. — Boiss. 1. c. — *Pyrethrum praecox* M.B. — *Matricaria prae*cox* DC. Prodr. VI. 52. no. 11. — *Matricaria modesta* Boiss. — *Gastrostylum praecoX* C. H. Schukz (Bip.) — Wlprs. Report. VI. 195. no. 1. — Ilanc speciem quoad lacinias setaceas foliorum magis minusve elongatas et glandulas binas apicis achaenii magis minusve notatae variabilem e Tauria, Asia minori, Persia, Syria ad Aleppum jam dit cl. Boiss.

- 6 *CH TRKHOPILLUM Boiss 1 c — *Chrysanthemum tncotomum* Boiss et *Matncana hwhophylla* Boiss — Wiprs Report VI 195 no 8 — *Pyrethrum tncophyllum* Gns
- 7 *CII UNIGLAISDULOSUM Vis 1 c — Wiprs Anml I 420 no 1 (sub *Tnplew ospcrmo*) — Boiss 1 c — Inhibitu et ichacnii lorma sp̄ciei praecedenti simile tamen distinctum videtur ob achaernum doiso transverse glanduloso - rugosum nee laevisimum pon glanduhres ipiciles bini msuper in unum quoque conjunct), sed haec nota vana-bilis est
- 8 *CH DISIFORME Vis 1 c — Boiss I c — *Chrysanthemum disci foi me F & M* — *Matncana disciformis* DC 1 c 51 no 7 — In Inc specie nunquam ligulas, etiam mimmas, videre contigit, viriat papposn et pioisus epapposa — *Matncana coiymbifera* DC — *Tnpleulospmnum disciforme* C II Schulu (Bip) — Wiprs Report VI 197 no 2
- 9 * CH. INODORUM Vis 1 c — Boiss I c — *Matncana modora* L — DC I c 52 no 12 — *Tnplew ospei mum modoium* C H Schultz (Bip) — Wiprs Report VI 196 no 1 a- Ann I 420 no. 2
- 10 *CH MARITIMUM Boiss 1 c — *Pyrethrum mantxmum* Sm — DC 1 c 53 no 1
- 11 CH CALLOSUM Boiss 3r Heidi I c 22 + — Bienne glabium caule elato folio so vtide stiidto superne ample et laze conmboso folns ambilu oblongis sessilibus tn-pinnitisectis, Iacinus subdivergentibus hnenri - setacus in callum album mucronatum abeuntibus capitulis pedunculo nudo tenui suffultis involucri glabn phyllis inferon-bus mnngulan- lanceolalis, margine anguste luscenscentibus apice scanosis laceris, interioribus oblongis ligulis albis oblongo - lineanbus, disco oequilongis flosculorum dentibus non glandulosis achacnis minions nigns. transverse rugosis-tuberculatio dorso convexis, apice bipoioso-glandulosis, venire tncosiaais, cosus albis tenuissiois apice truncatis, areola terminali quadrangula achaenio aequihta pappo albo integro brevissimo margimformi circumdata — Crescil ad nvulos in montams inter Beychchr et Komah
- 12 CH DECIPIFINS Boiss, 1 c f — Annum glabrum caulibus erectis stnatis superne raiuosis coijmbosis folns tnpmnaiisectis sessilibus hcinus longis setaceis callosomutationis imolucris glabii phyllis oblongis pallidis albo-marginatis ligulis nullis capnulis paivi[^] flosculorum dentibus glandula notaus achacnis mimmis transverse ruffoso-tuberculatis dot so convexis, apice biporoso-glandulosis venlic tricosiatis, costis albidis elevatis areola terminali quadrangula arhaemo dpquilata coromr margimloimi brc/msima subpatula quadriangula — *Vyrcthium dei[^]ipicns* F ft M — DC 1 c 59 no 34 — *Lolula auica* Sibth — *Cotula complanata* Sibthrp — Crescil in humidis prov Aderljd|om, in rudcralis Asiae minons
- 13 < II MICROCEPHALUM Boiss 1 c 23 f- Annum? glabrum caule elato stnoto paniculato - ramoso ramis apico densiuscule corvmbosis folns sessilibus bipinnatisec^{cl}is Iacinus setaceis longissimis, apice breviter cailosis ncuiis, capitulisparvis globosis discoideis, involucri glabn phyllis oblongo - lineanbus obtusiusoulis, praeler lineam mtdiam fu&cesceotem albido-membianaceis flosculorum dentibus glndula punctatis. uhaenns mimmis abbreviatas dorso convexie iransverse et pellucide ruguloj>is. ventie intosiatis costis crassis corticosis afcis, areola terminali quadrangula, achaenio acqulian corona brevi subquadnloba — Crescil in Assyria inter Merdm et Asuaner.
- 14 CII AURICULATUM Boiss 1 t p 23 f — Annum glubnuscolum, basi multicaule caulibus pumilis, inferne tin turn foliosis simplicibus [^]ol basi ramosis pedunculis lon-&a nudis Alicornibus subscapiformibus foliorum lieanum pmnalisectorum segmentis bicvibus lineanbus integns dentalis vel pinnatilobatis, capitulis discoideis involucri Slabu pin His ovato- oblongis pallide virentibus. late albo-scanosis roceptaculo ova to, flosculorum dentibus eglandulosis achacnis subincurvis doiso convexis, apice bipunctiatis, venire tncostatis, costis. albis crassis corlicosis, intermedn lation pappo dimi-

diato auriculiformi hyalmo oblongo, achaemo aequilongo vcl longion — Crescit in aienosis Arabiae peltracae ad limiles Palaesiinae et in declivibus inter Jerusalem et Jericho

2670 PYRETHRUM *Grtnu*

(DC Prodi VI 63 VII 297 [ex p] - Wlpis. Repert II 637. VI 202.)

1. P (*Icucoglossa*) CASSIUM Doiss Diagn plant orient nov XI p 23-f — Perenne radice ohndnca subpiaeorsa longe et dense fibrosa, caule angulato - stnato parce bnto elato i emote folioso, superne laxissime ramoso, ramis longissimis subnudis monocephalis torymbosis folns hirtellis ambitu oblongis pinnatisectis, segmentis subacqualibus* oblongis uerum pinnatisectis, lacinus oblongo-linearibus acutis integus vel bipaidiis iolns iadicalibus petiolatis, caulims sessilibus, summis ad ramorum oiuii abbreviatis segmentis paucis. involucri pallidissimi phyllis arete imbricatis adpressis hirtellis doiso elevatim subcaunalibus apice scanosis oblongis obtusis ligulis oblongis albis disco aequilongis achaemns pappo tubuloso, apice lobato - lacero us paululum bievion termimiiis, exlenoribus subcurvis — Crescit in regione sylvatica inferior!
Cas>ii.
- Z p (*Gymnochnes*) FILIPR>DULIMM Boiss 1 c p 24 f — Totum pube adpressa ensipuli p*uc< ob&iium p Ulide MILIIS radice surculos stnles non edenti, caulibus simplicibus angulatis slrittis foliosis corjumbo tenminali composito densiusculo folns sub*»rs>ilibus ambitu longe oblongis pinnatisectis, segmentis linearibus, rhaclnde vix latioribus pinnatis lobatisve, lobis breviter linearibus acutis ascendentibus mtei sc lemotsculis capilulis sphaencis pedunculo subaequilongo suffultis, involucri bun phyllis ovatis pallid^ adpressis, intimis apice brevissime membranaceis, ligulis Inlobi» flosculos non superantibus — Crescit in Mesopotamia mtei Suerek et Dinrbekir
- 3 P MIUACUM Doiss 1 c 24 f — Perenne, totum dense et adpresse tomentosum gneseo - flavescens, basi procumbens, caules floriferos aliosque stnles foliosos bievioies edens fohis. petiolatis oblongis regulatis et pectinatim pinnatisectis, segmentis linearibus obtuse lobatisve - crenatis obtusis junonibus margine subtus revolutis, adultis plains, folns sup(rionibus paucis sessilibus, summis simpliciter pectinatis, corjumbo terminali simplici pedunculis stictibus nudis capitulo sphaenco plerumque plures longioribus involucri adpresse rufescenti-tomentelli phyllis oblongo - linearibus adpressissimis, apice vix scanosis ligulis flavis obsolete tndentatis patulis, disco parum longioribus — Crescit in Syria boreali prope Antab
- 4 P FL VVOVIREISS Doiss I c p 25 f — Dasi suffrutescens surculos breves foliosos caulesque foliosos acute sulcato-stnatos glabrusculos parce foliosos simplices edens. fohib inferioribus petiolatis pinnatisectis segmentis remotis ovato - oblongis sessilibus cuneatis, in lobulos oblongos acutos profunde inusis folioium caulinarum sessilium segmentis anguste linearibus dentatis omnibus adpresse puberulis gneseis corjumbo terminali riensubculo composito pedunculis angulatis, squamulis paucis linearibus setaceis obsitis capilula ovata aequantibus involucri glabrusculi vel parce hirtuli flavo-virentis phyllis oblongis subcarniis, apice scanosis flmbnato-laceris. ligulis Davo-virentibus ovati& tndentatis diametro disci rufescentis dimidio brevioribus — Crescit in solo argilloso ad cairrhactas Ser Abi Schir montis Clbius prope Passgala.
- o P 6ZOWITSII Boiss 1 c p 35, f — Dasi suffrutescens mullicaule caulibus glabrescentibus angulatis foliosis recipis simplicibus vel parce et corymbosae ramosis, fold* palhde virentibus sub lente hirtellis, mfenoribus petiolatis, caetens sessilibus bipinnatisectis lacinus minutissimis oblongo - linearibus lobulatis lobulisque obtusis conferli*. ihachide lobulata, corjumbis compositis densiusculis, pedunculo nudo vel squamula lineau obsito, capitulo oblongo sublongioribus involucri glabrusculi phyllis adpressis tngulan - lanceolatis rufescentibus - inargwaiis, apice anguste scano->is ciliatulis. flori-

lus foemineis marginalibus paucis tripartitis discum vix excedentibus. - *P;myriophyllum* p. *subvirescens* DC. — Crescit in provincia Karabagh et Aderbidjan (Szowits) prope pagum Deremgun prov. Schiraz, et in faucibus moniis Kuh Da6na.

6. P. DUDERANUM Boiss. I. c. p. 26. f — Basr suflrutescens, toium brevier et crispule cinerascens: foliis turionum radicalium petiolatis, caulinis sessilibus minoribus, omnibus ambitu oblongis supradecompositiis, Inciniis lobisque tenuissimis confrtis; caulibus erectis, superne pacce ramosis, in corymbum compositum densiusculum abcutibus; pedunculis tomenlosis, capilula globosa poulo supernntibus; involucri phyllis* ovatis obtusissimis, apice nigricantibus anguste albo-marginatis dense ciliotis; floribus foemineis Jigulatis paucissimis 4—5-dentalis, disco .^ubbreioribus. — *l>yr. chiliohyllum* Boiss. nqn F. 8c M. — Crescit in solo argilloso faucis Dudere moniis Elbrus in Persia.

2674. JnoaroiOPi.% DC.

(DC. Prodr.' VI. 74. — Wlprs. Repert. II. 637.)

4. M. BAf/IAEFOLIA Bnth. Plant. Hartw! 317. no. 1788.— Pusilla albo-Janata: foliis iineari - cunealis subtrifidis; involucri squamis ad medium connalis; acbaeniis pubescentibus. — Herba 2—4 - pollioaris, nunc simplex et monocephala, nunc in ramos paucos monocephalos divisa, lana laxiuscula undique albicans. Folia aemipollicaria. versus apiccm in lobos tres obtusos saepius divisa, summa integra parva, a cepitulo dislamia. Cnpiulum quam in *M. minore* minus. Involucrum late Campanulatum, e fo'iis circa octo compositum. Flores radii involucro aubduplo longiores, tubo tenui, flores disci involucrum aequantes, lubo hirsulo. Acbaeoa calva pubescentia vel apice pilis longioribus hirta, nonnulla etiara disci perfecta, pleraque lañen abortiva. — Crescit in pascuis vallis superioris Sacramento Californiae.

2674/^ BAILiEYA Uarv. y Gray,

(Harv: ft Gray, Plant. Fendl. 105. adn.)

Capitulum 16—50-florum heterogamum, fl. radii 6—60 ligulatis foemineis 1—3-serialibus marcescenti-persistentibus, disci tubulosis hermaphroditis. Involucrum lanatissimmm 1—2-seriale, e squamis linearibus aequalibus appressis constans. Receptaculum planum nudum. L>gulae ovaies vel cuneatae septemnerviae, apice trilobae, basi unguiculata sessiles (tubulo nullo), post anlhe&in papyraceo - membranaceae persistentes. Corollae disci cum ovario atomis resinosis conspersae, tubo brevi, fauce infundibuliformi brevier quinquedentata, dentibus ovatis sianduloso-barbellatis. Styli rami n. hermaphr. apice Iruncato barbatuli. Ac haenia Jineari-oblonga prismatica vel subteretia, multistriala glabra, ?a si apiceque truncata, omnino calva. — Herbae hiimiles, ut videtur bjenes, undioe aibo-lanosissimae: foliis altemis pinnatifidis seu mlesn's; capilulfs solitariis longe pedunculatis speciosis; Oonbus flavis, Pst anthesin palleseentibus.

Oliganthae, vUlo8o-lanatae.

- * B PAUCIHADIATA Hflrv. ft Gray 1. c. — Diffuse ramosissima: foliis (imis ignolis) caulinis et ramealibus linearibus initgerrimis; pedunculis subcorymbosis; involucri campanulati squamis 8—10 uniserialibus; ligulis 5—6 ovalibus subtridentalis brevissime unguiculalis; floribus disci 10—12; achaeniis subclavalis clongatis yalde slrlatis i>uricato-8cabris. — Crescit in California,

Myrianthae, floccoso-lanoflissiman.

2. **B. PLENIRADFATA** Harv. flc Gray 1. c. — Cnule rnmisjuo simplicibus strictis, apice Jonge nudis; foliis inciso-pinnatifidis vel paucidentatis, summis parvis linearibus integerrimis; involucri late campanulati squainis 20—30; ligulis 25—40 obovato-dilatatis breviter unguiculatis, involucro longioribus, post anthesin dellexis et pluriserialim imbricatis; IL disci 40—50; achaeniis subprismaticis, utrinque truncatis lacubus vel globulis resinosis pi. m. conspersis. — Crescit in California.
3. **B. MULTIRADIATA** Harv. & Gray 1. c. 106. — Caule subsimplici vel basi romoso ramisque ascendentibus, superne lince nudis; foliis 1—2 pinnatifidis summis parvis integris; involucro laic hemisphaerico polyphyllo; ligulis circiter 50 oblanceolato-cuneatis sensim unguiculatis involucrum iriplo superantibus. — Crescit in California.

2674/2. **AJHMAHTTHUSI** Boiss. *Sf Heldr.*

(Roiss. Diagn. plant, orient, nov. XI. p. 18.)

Capitulum multiflorum heterogamum, ligulis neutris vel nullis, flosculis hennaphrodilis tubulosis quinquedentatis non compressis, iis peripheriae 1—2-serialibus purpureis, caeteris luteis. Involucrum imbricatum late campanulatum, squamis margine anguste scariosis. Receptaculum hemisphaericum nudum punctatum. Antherae appendiculatae erostratae. Styli rami breves, apice ciliolati. Achaenia omnia conformia teretia obsolete striata. pappo corolliformi hyalino brevi fimbriato-lacero superata. — Herbae Cretenses annuae humilae multicaules, facie *Cotulae* vel *Anthemidis*. — Genus achaeniis et habitu *Anthemidis* donatum, ab ea receptaculo undec diversum, a *Pyrrotho* ligulis, cum adsunt, neutris, achaeniis non regulariter costatis, a *Cofula* corollae tubo ecalcarato, achaeniis nec stipulatis nec calvis distinctum.

1. **A. MARIILMUS** Doiss. & Heldr. in Boiss. 1. c. p. 19. f — Annuus: caulibus et collo nudaeriosis procumbentibus tenuibus brevibus rubellis glabrescentibus ramosissimis: foliis adpresse canescentibus minimis, radicalibus et inferioribus ovalis oblongisve longepetiolatis, ad medium usque 3—7-lobatis, lobis minutis ovalis obtusissimis, intermediis sessilibus, superioribus secus ramos oblongo-spathulatis integerrimis; capitulis ad apicem ramorum filiformibus, superne nudorum solitariis discoideis; involucri adpresse hirti phyllis adpressis oblongo-linearibus obtusis viridibus anguste albo-membranaceis; achaeniis pappo denticulato-lacero iis triplo breviori, latere exteriori abbreviato superatis, pellucide glanduloso-tuberculatis, marginalibus subincurvis. — *Amm. nigrofolius* Boiss. & Heldr. — Gressii in arenosis maritimis promontorii Sidero Cretae.
2. **A. FILIFOLIUS** Boiss. fr Heldr. loc. cit. png. 19. f — Annuus: caulibus et collo nudaeriosis filiformibus procumbentibus cretensis simplicibus inocephalis, rarius parvis rainosis; foliis parco et adpresso hirtis canescentibus rariis, radicalibus oblongis pinnatifidis petiolatis, segmentis 5—7 oblongis, basi attenuatis 2—3-partitis, lobis oblongis acutiusculis; foliis intermediis subsessilibus pinnatisectis, segrenis linearibus acutis indivisis, summis paucis linearibus integris; pedunculis nudis subcapitulo submembranaceis: capitulo ligulato; involucri adpresse hirti phyllis adpressis oblongo-linearibus obtusis laticiuscule membranaceis; ligulis 5—7 ex sicco albidis breviter ovatis obsolete trilobis, disco brevioribus; achaeniis praec glandulosis pappo subdimidiato triplo breviori suffultis. — Crescit in saxosis inter frutices prope promontorium Sidero Cretae.

2683. , COTITfca Grtnr.

(Wlprs. Report. VI. 209. ft II. 638. 991. - DC. Prodr. VI. 77.)

1. C. ABYSSINICA C. II. Schultz (Dip.) mss. ex A. Rich. Tent. fl. Abyss. I. 419. — An-
nua, digitalis nut spitliamaca: caule a basi ranjoso ttreli piloso; foliis bipinhatipartitis,
segmentis lanceolatis aculis pilosis; capiulis subglobosis terniinnlibus longe peduncu-
latis; involucri squamis imbricatis obovali-oblongis obiusissimis, margine lenui scario-
sis subglabris; achacniis oblongis subcompressis, externe convexis, inlus subconca-
vis glabris, calvis; receptaculo subhemispbacrico omnino luberculis onusto. — In
Abyssinia.
2. 0. DIGHROGEPHALA G. H. Schultz (Rip.) mss. ex A. Rich. 1. c. — Annuā, digitalis:
caule a basi ramoso; rarais subp'rostratis piloso-toraentosis; foliis decomposito-bipin-
nariipartitis, sogmentis lanceolatis acutis, pracsertim sublus dense pilosis; capitulis pisi-
formibus globoso-depressis breviter pedunculatis: involucri squamis oblongis. margins
albidis scariosis, apice obtusis, dorso pilosis; achaeniis oblongis glabris, hinc convexis,
illinc subconcavis calvis; receptaculo planiusculo, in centro nudo, in ambitu lantum
popillifero. — In Abyssinia prope Poa.
3. C. CRYPTOCEPHALA C. II. Schultz (Bip.) mss. ex A. Rich. I. c. 420. — Gaule diffuse
ramoso procumbente robusto lerefi glabro; foliis oppositis, basi dilatato - vaginantibus
connatis et vuginam communem laxiusculam efformantibus, pinnariipartitis, segmentis
oblongo-lanceolatis acutis, inciso-serrati* glabris; capitulis (eriDioalibus sessilifcus, de-
Pi'essis; involucri squamis obovalibus obtusis, margine scariosis, subbrunneis glabris;
Qchaeniis obovali-oblongis cpmppmsis glabris laevibus, externe convexis, interne sub-
arcuatis; receptaculi tuberculis hasilaribus pa rum prominulis. — In Abyssiniae prov.
Semicne.

2691. VABIJLIiA A. Gray.

(A. Gray, Plant. Fendler. 106. adn.)

Capitulum discoideum homogamum, fl. hermaphroditis. Involucrum
jurbinatum imbricatum pauciseriale disco brevius, squamis subulatis.
Aceptaculum conicum, paleis angustissime linearibus (superne paulo
diatatis) onustum. Corollae fauce cylindrica e tubo brevi gracili subito
dilatatae quinquentatae; dentibus ovatis revolutis glabris. Antherae
xsertae ecaudatae. Styli rami compressiusculi, extus minutissime
Puberuli, cono brevissimo obluso pubero terminati. Acbaenia cooformia
oblonga subteretia multicostrata, pappo brevi setuloso poronata, * setulis
circ. 15 ex coslis achaenii ortis, simpJicibus *1 paucis subramosis. —
uifrutex glaber parum viscidulus foliosissimus: foliis oppositis summisve
alternis elongato-linearibus uninerviis integerrimis; capitulis fastigiato-
c^orymbosis; floribus luteis.

" * V. MEXICANA A. Gray 1. c. — Crescit in Mexico inter Pelago ft Gadeno.

2694. ARTEMISIA Linn.

OC. Prodr. VI. 93. ft VII. 298. - Wlprs. ReperL II. 639. VI. 212. ft 723. Annal. I. 421.)

- f. A. (Dracunculwt) APIACEA Hance, PL. nov. Austr. Ch/n. </agn. inedit. I. p. 9. — Her-
bacea perennans tripedalis erecta glabenimn viridis: caule sulcaio str/ato pyraml-
dato - ramosissimo; ramis crebris patentibus divaricatis; foliis omnibus caulinis tripin-

nantiseclis, lobn cuncnto-oblongia ocutis, peliolis supra canalicul itis copilulis medio-
cnhus hemispliaoncis mulunons pedunculniis secundis nutnniibus in racemos pamcu-
htim disposals involut 11 squomis oblong s oblusis mai gme scanosis — Flores flavescen-
tes grate odori — Hab Shmnghae Sinarum Planta dclforata facie omnino Umbellife-
lae cujiisdain

- 2 A (*Ithacuncuhu* >) ABYSSIMCA (II Schult7 (Bip) in A Rich Tent n Ab\ss I 420 —
Annul cmle ciccio subsimplici bipedtli tenii striato piloso folns decomposito - tn-
pimiaiisccli? segmoniis ultimis lincaii- siilmntis, nruinine connceo tcimanan* piloso-
subtomeniellio capitulis paivulis subglohosis, lacomum elongatum foliosum efToiman-
tibus involucn subglobosi squomis oblongis sranosis oblusis, dorso unicoslalis, pi-
losis, rceptaculo nudo floubus exieims luhuloso- tndenlotis linconbus focmineis
achoeniis oblongis compressis glabns, apice calvis — In Abyssinia
- i A (*Dracunculus*?) SUAVIS Jordan Coiil des frañes du jard de Dijon 1848 p 18 —
Pamculn rncemoso virgata, capilulis globoso-ovoidcis nutantibus, involucn foliolis cane-
scentibus. extciioribu? lanrcolalo-linear ibus subacutis, inlerioribus elliptico-obova-
JIS oblusis basi aicnuaiis, «ñ marginem laiissimc scanoso-fuscis llosculos subaequan-
ubus. achaenn* oblongis recpiaculo glabco folns virldibus vel subcanescenlibus
ambiiu lute ovilis pcliolmis lore omnibus ad bnsn pcioli aunculaiis, infenonbus bi-
pinnatiji ii titis locinus subpaiullclis unguissimc linearibus tenuibus nervo laiissimo
fere uiunqec, etiani in vivo peicuisis, supeiionbus & impliciei pmnutis, floralibus in-
legns elongans credo-patulis capiula longe supciantibus, caulibus fruticosis caesp-
iosis creeds, bitsi nscendenlibus. — In hortis pcope Lugdunum
- 4 'A (*Abrotaum*) IUDOVMCIANA Null — DC 1 c 110. no 92 — Wlprs Report. II.
641 no 1b — A. Gn\, Boston jouin of nat. hist VI. 2 3 1 — 4 *cunetfoha* Scheele,
Lmnaea XXI. 162? *)
- 5 *A VULGAHIS L — DC 1 c 112 no 106 — Wlprs I c no 17 — A Gray 1. c. —
5 *Meitcana* Ton 8c Gi.— Ilcpeit II. 614 no 17 — /I *Lmdhetmcnana* Scheele, Lm-
naea XXII 163?")
- 6 A (*Absinthium*) MLLANOLbPIS Boiss Diaguos plant, ouent nov XI p 27. f — Pe-
rennis dense caespilosi nana lata adpiesse aigyica splendens folns ambitu tubrotun-
dis mulipariius, lacinns tenuibus brevibus ronfertissimifl oblusiusculis, radicalibus pe-
tiolotis, ciuhnis subsessilibus, bnsi dilaiiaiiis simpheiter pinnalis, caulibus brevusimis
sunphcibus capitulis globosis subsessilibus, ad apicem caulium confertis, breviter et
subunilateralier spitutis, infimns saepc remotiusculis, involucn parce lanatl phyllis

*) A CUNHFOI IA Schcole, Linnæa XXII 162 f — Pomnis Caulis erectus tere-
tiusculus stnatus tomentosus ramosis&inius, lami vngati angulati Folia ladicalia et cau-
lina inflma pinninemj obovalo - cuneata oessilu alteina, ulmqe sericeo - tomentosa,
supra tincica subius mcuru. apice piinanndo-inci>a vel grosse et naucidenlnia, dentibus
mucronaiis basi inicgrnma'foli.i caulma suptuora alteina lanceolata unlnervia integer-
rima, utunqec altonuati Capitulu sossilid paiva pnuciflora beteroynma subgloboso-ovi-
dea cono-iomontosa bnsi bradeaia spicata, bractene *lanceolalae*, spicae breves oligoce-
phalae, basi foliaiao, divancatae racemum compositum lerrainalem formantes Involucn
squamae ovali - oblougao obtusae adnrpsae cano-iomentosae. Intenores scanosae Re-
cepiaculum nudum Flosculi glandulosi, stenles anguste tubulosi, apice tridentati. fer-
ules inflati qumquedentati, denies ovato - lanceolati Achaema . ? — Crescit in pratls
elcavatoribus prope Neubraunfels in Tezade

") A LINDHEIMERIANA Scheele 1 c 163 — Perennis, Caulis stnetus 3—4-pedalis
sulTruticosus. basi teretiusculus glabnusculus, apice angulatus canesoens paniculato - ra-
cemosus. rami crectiusculi angulati canescenles Folia caulino tuperlora sessilia alterna
lanceolata, utunqec attenuate, margme revoluta, supia glabrata, tubtua clnereo - tomen-
tosa, ramea anguste lineana Capitula parva beteiogama paucifloia breviter pedunculate
ovoidea lacemos breves oligocepnalos foimantia Involucn squamae obtusae appressae,
extonores cano - lomentosae. inienores scauosae Receptaculum nudum. Flosculi sten-
les anguste tubulosi, ferlilium tubus limbum inflatum glabium quinquedeniatum subae-
quans Achaema ... ? — Crescit in alveo sicco flumims Cibolo in Texade prope Neu-
braunfels.

ovatis, margine membranaceis nigris; flosculis apice - purpureis villosia: receptaculo longo villosa. — Crescit in alpinis Hasartschial in parte occidentali montis Elbrus prope lacum alt. 10,000 ped. in Persia.

7. A. GORGONUM Webb in Hooker. Niger Flora p. 142. — Caule frutescente; ramis robustis fere villosis; foliis flavide tomentosis, supra sulcatis, subulso univerviis 2—3-pinnatifidis, pinnis linearibus oblongis, versus apicem 3—5-dentato-lobatis; paniculis thyrsoidibus; capitulis mediocribus nutantibus; involucri squamis late ovatis, apice rotundatis, margine scariosis lacris, dorso leviter tomentosis; receptaculi convexi setis brevibus latis utriusque; floribus glabris tubulosissimis, laciniis lanceolatis acutis, radii paucis foemineis, disci hermaphroditis; genitalibus inclusis; antheris oblongis, apice longe acuminatis acutissimis, loculis basi subacutis; styli ramis truncatis apice breviter et parvis pilosis-penicillatis. — Ramis robustis, involucri squamis, corollae, antherarum et stigmalum forma ab affini A. *Cananensi* differt. — Crescit in insulis Capit. Viridis.

2696. TASTACKTUSE Linn.

(DC. Prodr. VI. 127. et VII. 296. - Wlprs. Repert. II. 642. VI. 219.;

1. T. FLABELLIFOLIUM Roiss. et Heldr. Diagn. plant. orient., nov. XI. p. 26. f - Perenne, caule adpressissime tomentosum griseo-flavica suffruticosum mucaule dense foliosum: foliis inferloribus oblongo - cuneatis subspathulatis obtusis, inferius in petiolum inaequilongura attenuatis, superius utrinque 4—5 crenis obtusis obtusis, caulibus simplicibus diminutis oblongo-linearibus, apice paucidentatis, aequalibus linearibus integris: caulibus erectis foliosis simplicissimis, apice corymbosis; corymbo composito denso polycephalo; capitula parvis globosis pedicello inaequilongu suffultis; involucri rufo - tomentosi phyllis oblongo - linearibus obtusis cucullatis adpressis; flosculis circ. 15 omnibus hermaphroditis tubulosissimis. — *Achillea flabellifolia* Boiss. — Crescit in fluminibus rupium Tauri Isauci inter vallem Ermenek et Tourtchalar alt. 4000 ped.

2702. MYRIOCTYSTE Lsng.

(DC. Prodr. VI. 139.)

1. M. BACEMOSA Hook. in Mitchell, Journal of tropical Australia pag. 353. adnot. — Radice perenni fusiformi, superne multispinosa; caulibus decumbentibus; foliis linearibus ovatis grosse serratis punctatis; capitulis in racemis subnudis terminalibus. — Crescit in Australia orientali tropica.

Subtribus VII. GNAPHALIEJUE Lsng. — DC. Prodr. VI. 149.

2711. STYLOCERUS Labill.

(DC. Prodr. VI. 149. — Wlprs. Repert. VI. 228.)

1. ST. MULTIFLORUS K ab Es. in Lehm. Plant. Preuss. II. 244. f — Caule a basi trichotomo-ramosissimo; foliis oppositis semitereti-linearibus: capitulis laevibus aggregatis 8—10-floris; involucri foliis totidem ovalibus obtusis cum mucrone, exterioribus nervo lato abbreviato viridibus notatis; papillis paucis 5 ovalibus obtusis mucronatis integerrimis. — In Nova Holla ad ad fl. Cygnorum.

2718. CAIIOCEPHALUS fl. *Br.*

(DC. Prodr. VI. 151. — Wlprs. Repert. II. 421.)

1. C. GNAPHALIOIDES Hook, in Mitchell, Journal of tropical Australia pag. 376. adnot.— Annuæ erecta arachnoidea, superne dichotome ramosa: foliis linearibus; capulorum glomerulis inxiusculis corymbosis; involucri cylindræci squamis pellucidis albis. — ~~Crescit in Australia orientali tropica.~~

2729. RUTIDOSIS DC. (nec *Rytidosis.*)

(DC. Prodr. VI. 158.)

1. R. ARACHNOIDEA Hook, in Mitchell. Journal of tropical Australia pag. 341. adnot. — Elata arachnoideo-lomentosa: foliis remotis lanceolatis acuminatis callosocuspidatis; paniculae laxae ramis longis polycephalis; capitulis aggregatis; involucri ovatis. — Crescit in Australia orientali tropica.

2737. SWAMUIERDAMIA DC.

(DC. Prodr. VI. 164. — Wlprs. Repert. VI. 237.)

1. SW. ANTENNARIA DC. 1. c. no. 1. — Van Houtte, Flore des serres V. p. 312C c. ic. xylogr. — Lindl. Journ. of the hort. soc. IV. 77. (c. ic.)

2741. HELICHRYSUM DC.

(DC. Prodr. VI. 169. ft VII. 298. — Wlprs. Repert. II. 646. ft 992. VI. 239. Annal. I. 422.)

1. H. {*Argyraea?*} STEUDELII C. Schultz (Bip.) in A. Rich. Tent. fl. Abyss. I. 421. — Annuum? caule erecto, basi simplici. apice ramoso; ramis erectis strictis floccoso-et albido-tomentosis; foliis couferiis, caulinis lanceolatis angustis acutis integris, siiperne¹ glabriusculis, subtus albido-tomentosis, rameis lineariibus acutis, superne glabris, sub* tus albido-tomentosis; capiulis parvulis corymbos coarctatos subcapituliformes ad apicem ramulorum efforantibus: involucri basi subglobosi, apice dilatati squamis niveis nitentibus elliptico-oblongis subobtusis aut acutis; achaeniis ovoideis minimis glabris pappi setis subscabris vix ferrugineis, — In Abyssinia prope Adoua.
2. H. {*Argyraea?*} FORMOSISSIMUM C. H. Schultz (Bip.) mss. ex A. Rich. I. 422. — Perenne: caule erecto simpliciusculo tereti pupurascente albido-tomentoso 3-pedali; foliis approximatis sessilibus, basi paululum decurrentibus, ovali-oblongis aut lanceolatis acutis integris, superne subhincis, subtus toraentis; capiulis maximis nitentibus corymbum terminalem subsimplicem, ramulis elongatis efformantibus; involucri subglobosi squamis nitidissimis nigris, saepius basi purpurascentibus, glabris lanceolatis acutis subpatulis: achaeniis teretibus glabris, pappi setis albidis subscabris, apice penicillatis. — In Abyssiniae prov. Choa.
- 3.*H. {*Argyraea?*} HORRIDUM C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Caule frutescente tereti; ramulis gracilibus, apice saepius indurato - spinescentibus. spinis r* acutis gracilibus acutissimis. nunc terminalibus. nunc axillaribus; foliis minimis approximatis distinctis aut contractione ramulorum subfasciculatis, linearibus acutis. margine revolulis et inde subulatis; involucri hemisphaerici squamis imbricatis oblongis, subal-

bidis, externis tomentosis, internis glubris: achaeniis teretibus glanduloso • hirtellit; receplaculo planiusculo nudo. — In Abyssinia.

4. H. (*Stoechadina*) PSYCHROPHILUM Boras. Diagnos. plant, orient, nov. XI. p. 28. f — To turn adpresse araneosum griseum, basi sulTrutescens: cnulibus difflusis nudis, spice foliosis caespitiosis; foliis caespitis rameisque anguste oblongo-spathulatis oblongis vel aculiusculis in petioluin bnsi angustatU; ramis brevibus decumbentibus, apice 2—4 capitulu majuscula subsessilia globosa ferentibus; involucri pallide citrini vel subrufescemis giabri phyllis amplis ovatis oblongisque obtusis adpressis concaviusculis subundulatis, discum aequantibus; flosculis omnibus hermaphroditis. — Crescit in monte Elamout seu Elbrus et in monte Totschal prope Teheran in Persia.
5. (I. (*Stoechadina*) AUCHERI Boiss. 1. cit. p. 28. f — To turn dense et adpresse araneoso-lanatum cano-griseum: foliis radicalibus dense caespitiosis caulisque inferioribus oblongo-spathulatis obusis muticis, in petiolum longum attenuatis, caulinis superioribus lineanbus acutiusculis strictis; caule elato simplici; corymbo terminal! denso composito polycephalo; capitulis majusculis breviter pedunculatis citrinis globosis; involucri phyllis glabris oblongis, apice concaviusculis obtusissimis rotundatis squarrose patentibus, intimis discum aequantibus; floribus omnibus hermaphroditis. — Crescit in Persia, in Gappadocia ad Euphratem et in Mesopotamia.
6. H. (*Stoechadina*) TARDENTII Boiss. 1. c. 29. f — Basi suffruticosum prostratum: caulibus virgatis simplicibus dense foliosis elatis et ut folia glandulis crebris subsessilibus aspersis, caeterum glabris viridibus; foliis oblongo- vel linear! -spathulatis, inferne in petiolum angustatis. turionum paucis sublanatis, ceteris viridibus; corymbo parvopolycephalo simplici; capitulis breviter pedunculatis minutis oblongis citrinis; involucri Phyllis glabris oblongis eimie imbricatis, apice obtusis cucullatis erecto-patulis, intimis discum aequantibus; floribus omnibus hermaphroditis. — Crescit in Caucaso.
7. H. (*Stoechadina*) GLOBIFERUM Boiss. I. c. f — Totum adpresse araneoso - canum: foliis radicalibus dense caespitiosis minutis oblongo - spathulatis. caulinis inferioribus linean-spathulatis caeterisque linearibus aculis; caulibus simplicissimis; capitulis subrotundis subsessilibus in glomerulum densum globosum terminalem congestis; involucri pallide citrini giabri phyllis ovato-oblongis erectiusculis cucullatis obtusissimis, flosculos superantibus. — Crescit in Persiae provincia Aderbidjan.
8. H. (*Stoechadina*) LEUCOCEPHALUM Boiss. 1. c. p. 30. f — Totum adpresse araneoso-canum: caulibus elatis simplicibus foliosis; foliis strictis. inferioribus lineari-spathulatis obusis. caeteris linearibus aculis; corymbo terminal! composito polycephalo densiusculo, capitulis minutis, pedunculo iis subaequilongo suffullis ovalis; involucri griseo-albidi phyllis minutis oblongo-ellipticis, basi adpresse imbricalis tomentellis, apioe glabris byaliis, margine undulatis patenti-reflexis, intimis erectis disco aequilongis; flosculis omnibus hermaphroditis; pappi sen's SQabridis, apice subincrassatis. — Crescit in monte Gheno Persiae australis.
9. H. (*Stoechadina?*) JSIVEOM Boiss. ft Heldr. 1. c. 30. f - B a suffruiescens caespitotomuhicaule, totum indumento araneos^ adpresse canum: caulibus elatis tenuibus rectis simplicibus - foliis radicalibus linearispathulatis aculiusculis. inferne attenuatis. caulinis anguste linearibus strictiusculif; corymbo terminali polycephrio composito subgloboso; capitulis breviter pedunculatis ovatis niveis; involucri phyllis mveis absque motore. ima basi excepta glaberrimis. ab intimis brevissimis ad inima sensim elongatis ovatis oblongisve obtusis. apice saepe flssi. adpressi. erect., imbricatis concav. u. culis; flosculis omnibus hermaphroditis: pappi sells vixscabridw. - Crescit ad rupes apricas Tauri Pamphylici inter Maria et Adalia all. 3000 pedem.
10. H. (*Chrysotepeidea?*) ABYSSINICUM C. H. Schulw (Bip.) mss. ex A. Rich. Tent. flor. Abyss. I 423. — Caule basi subsimplici suffruiescente, in parte superiore ramoso. albido et dense tomentoso; ramis erectis; foliis valde approximatis sessilibus lanceolatis. Uncis subobtusis et acumine brevi cartilagineo terminatis. ulrinquè dense albido-

tomentosis; capitulis parvulis in apice ramulorum dense aggregatis, corymbum oligocephalum densum efformantibus; involucri subcampanulati squamis imbricatis subpaulis oblongo-lanceolatis sulphureis nitidis glabris, externis brevioribus lanuginosis; achaeniis teretibus subglandulosis. — In Abyssinio provincia Ouodgerate*.

11. H. (*Chrysolcypidea?*) **CHRYSOCOMA** G. H. Schultz (Dip.) mss. ex A. Rich. 1. c. 424. — Caule basi suffrutescente ramoso erecto pedali, albido-tomentoso tereti; foliis approximalis sessilibus semiamplexicaulibus ovali-lanceolatis aculis, utrinque cinereo-tomentosis; capitulis parvulis* teretibus, paucifloris, corymbum densum terminalium capituliformem constituentibus; involucri subteretis foliolis imbricatis inaequalibus scariosis aureis glabris, apice acutis aut obtusis dissectis; floribus foemineis uniserialibus, hermaphroditis centralibus paucioribus; carpelibus ovoido-subteretibus glabris, pappi setis (errugineis) scabris. — // *chrysocephalum* C. H. Schultz (Dip.) mss. — In Abyssinia.
13. p. (*Chrysolepidea*) **GERDERAEFOLIUM** G. H. Schultz (Dip.) mss. ex A. Rich. 1. c. 425. — Perenne: foliis radicalibus longe petiolatis elliptico-oblongis aculis, basi sensim cum petiolo confusis, integris, utrinque cinereo-tomentosis, petiolo basi dilatato et amplexicauli; caule erecto simplici. pedali dense albido-tomentoso, versus medietatem superiorem nudo; foliis caulinis raris alternis sessilibus linearibus aculis; capitulis subteretibus dense corymbosis; involucri squamis scariosis aureis oblongis acutis glabris inaequalibus; achaeniis ovoideo-subteretibus glabris. — In Abyssiniae monte Selleuda.
13. H. (*Blepharotcpis*) **QUARTINIANUM** A. Rich. 1. c. 427. — Perenne: caulibus e caudice crasso tuberculato erectis simpliciusculis, pedibus aut sesquipedalibus albido-tomentosis; foliis sessilibus semiamplexicaulibus, inferioribus e basi cordato-auricularis lanceolatis aculis, utrinque albido-tomentosis, supremis basi non auriculatis, angustioribus et magis distantibus; capitulis magnitudine mediis corymbum densum subglobosum efformantibus; involucri subglobosi squamis erectiusculis, externis ovali-acutis, sessilibus,* internis apice fissis, infra in partem angustiore longiore in eam sublanatam desinentibus; flosculis hermaphroditis numerosissimis; achaeniis nitentibus glabris: receptaculi fibrillis setaceis persistentibus — In Abyssiniae monte Selleuda.
14. H. (*Taxoslichet?*) **GLODOSUM** C. H. Schultz (Dip.) mss. ex A. Rich. 1. c. 425. — Perenne: foliis radicalibus spatulato-oblongis, basi sensim in petiolum basi dilatatum attenuatis obtusis aut subacutis, trinerviis, superne punctato-hirtis, subtus albido-tomentosis, caulinis saepius 3, distantibus sessilibus amplexicaulibus elliptico-lanceolatis subacutis; caule erecto simplici spithamae tereti cano-tomentoso; capitulis parvulis subpaucifloris teretibus corymbum densum efformantibus; involucri teretiusculi squamis inaequalibus ellipticis acutis; achaeniis parvulis teretibus glabris. — In Abyssiniae prov. Semiene.
15. H. (*Lepicline*) **GRISEUM** Sonder, Linnaea XXIII. 65. f — Caule erecto simplici tomentoso; foliis radicalibus petiolatis ovatis acutis, caulinis 2, inferiore semiamplexicaule late ovato, superiore multo minore, omnibus quinquenerviis, supra scabriusculis, subtus sordide tomentosius; corymbo composito umbellato; involucri campanulato griseo-tomentoso, squamis intimis lanceolatis longe acuminatis. — Port Natal.

t Sectionis dnbiae.

16. H. **RAMOSISSIMUM** Hook, in Mitchell, Journal of tropical Australia pag. 83. adnot. — Suffruticosum valde ramosum arachnoideo-tomentosum: foliis lineari-spatulatis subflaccidis acutis; capitulis in racemis terminalibus parvis globosis flavis; involucri squamis lineari-subulatis undulatis fibrato-cilia Us. — Crescit in Australia orientali, tropica.

t t Icon Addenda.

- H. **BUDDLEOIDES** DC. 1. c. VI 201. no. 166. — (Wlnera. Annal. I. 423.) - Wght. **Spiel-**Nejgherr. II. tab. U1,

2742. HELIPTERUM DC.

(DC. Prodr. VI. 211. — Wlprs. Repert. II. 646. VI. 242.)

1. II. GLABRATUM Sonder, Linnoea XXIII. 65. f — Foliis elliptico-oblongis semiamplexicaulibus, supra laze tomentosis, subtus glabris trinerviis; capitulo solitario pedunculato, toraenio pedunculi foliorumque lutescente; involucri campanulati squamis exterioribus sessilibus ovatis acutis subferrugineis, intimis longissimis radiantibus acuminatis unguiculatis; achaeniis raullicostatis papillosis. — In Promontorio bonae spei.
2. II. ZEYHERI Sonder 1. c. 66. f — Foliis oblongo-lanceolatis, basi angustatis, superioribus sublinearibus imbricatis ramisque dense tomentosis; capitulis terminalibus solitariis paucisve aggregatis; involucri radiantis purpurei squamis acuminatis, externis intimisque brevioribus, mediis valde acuminatis exunguiculatis. — In Promontorio bonae spei (Klynrivier.)
3. H. CORYMBIFLORUM Schlecht. Linnaea XXI. 448. f - Conescenti-lanuginosum; folia lanceolatio-linearia uninervia integerrima; bractee sub inflorescentiae corymbosae ramis parvae lanceolatae hyalinae, exceptis intimis appendice hyalina tanium donatis; involucri subturbinati squamis exterioribus stramineo-iutescentibus scariosis oblongis acutis, interioribus sensim angustioribus, tandem linearibus, margine lamigindso-ciliatis, appendice angusta elliptica laclea involucri aequante patente instructis; flores omnes fertiles; tubulosi; achaenium sericeo-villosum. receptaculo piloso - fimbriato insertum, pappo e setis a basi connata usque ad apicem aequaliter plumosus et corollam aequantibus coronatum; corolla subpuberula elongato. infundibularis profunde et aequie quinque-dentata; genitalia corollam aequantia; antherae basi piloso-fimbriatae; stili rami apice incrassati obtusi. — Crescit in Nova Hollandia australi.
4. H. GIUTINOSUM Hook, in Mitchell, Journal of tropical Australia pag. 361. adnot. — Pilioso-glandulosum, viscosum: foliis anguste linearibus cuspidato-acuminatissimis; capitulis solitariis. — Crescit in Australia orientali tropica.

2745. ACHYROCLIPUS DC.

(DC. Prodr. VI. 219. - Wlprs. Repert. VI. 244.)

1. A. SCHIMPERI C. H. Schultz (Bip.) mss. in A. Rich. Tent. 0. Abyss. I. 428. — Caule suffrutescens erecto ramoso bipedali tereti tomentoso; foliis alternis ovali-oblongis acutis, basi subobtusis in petiolum brevem attenuatis, superne puberulis pallidis, subtus cinereo-tomentosis; capitulis parvis in corymbum densum aggregatis; involucri oblongo tereti angustis saepius 4-5-flori foliolis imbricatis soariofoliis albidis nitentibus; lore centrali hermaphrodito; achaeniis glabris. — In Abyssinia adnate Selleuda.
2. A. ADOËNSIS C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. - Caule basi suffrutescens ramoso bipedali; ramis teretibus teretibus tomentosis; foliis alternis elliptico-oblongis acutis. basi sensim attenuatis et petiolum brevem distinctum efformantibus, superne dense puberulis, sublus cinereo-tomentosis; capitulis oblongo-lanceolatis angustissimis parvis glomeratis et corymbum densum terminal em constituentibus; involucri squamis imbricatis, externis lana laxa involutis, basi saepe purpurascens, internis albidis nitentibus lanceolatis acutis longioribus glabris; lobis gracilibus. 5, centrali tantum hermaphrodito; achaeniis obovato-oblongis glabris; pappi setis albidis sessilibus. — Habitat in Abyssinia.
3. A. HOCHSTETTERI C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. 429. — Caule basi ramoso; ramis erectis virgatis sesquipedalibus subulatis albido-tomentosis; foliis cau-

linis alternis dislantibus lanceolatis acutissimis, in utroque facie cano-tomentosis, basi sessilibus et subdecurrenlibus, alis vix prominulis; capitulis minimis aureis numerosissimis, corymbum terminalem ramosum densum myrianthum efformantibus; involucri subteretis basi incrassati squamis imbricatis obtusis glabris; floribus quinis; receptaculo minimo fimbriifero; achaeniis oblongis glabris glandulosis. — In Abyssinia monte Kóobi.

4. A. RUGOSA A. Gardn. in Hook. Lond. Journ. of bot. VI. 419. — Caulis suffruticoso cinereo-lauuginoso paniculato-corymboso; foliis sessilibus oblongo-lanceolatis acuminatis, basi rotundatis triplinerviis, supra rugosis glabris. sublus dense cinereo-araneosis; capitulis ad apices ramorum et ramulorum fusciculato-corymbosis quinquefloris; involucri squamis albidis nitidis ovali-oblongis obtusis. — Siliqua bipedalis. Folia 1% — 2 poll' longa, 6 — 8 lin. lata. Capitula oblonga 1 1/2 lin. longa. — Similis *A. flaccidae* DC. — Crescit in Provincia Minas Gerais Brasiliae sub montibus Serra da Piedade.

2746. GUTAPHAMUM Don.

(DC. Prodr. VI. 2?1. — Wlpr. Repert. II. 646. VI. 244. ff. 726, Annal. I. 423. — *Omalotheca* DC. Prodr. VI. 245. ff. VII. 299.)

1. GN. (*Euynaphalium*) PETTIANUM A. Rich. Tent. fl. Abyss. I. 429. — Caule bipedali ramoso; ramis erectis virgatis angulatis sublomentellis; foliis alternis dislanibus sessilibus oblongo-lanceolatis acutis, superne dense pubescentibus (in junioribus utrinque cano-tomentosis), sublus inenno-tomentosis, basi decurrenlibus et in caule alas sat prominuas cernentibus; capitulis parvulis corymbum ramosum sal densum polycephalum efformantibus; involucri subovoideo-oblongi squamis scariosis aureis imbricatis obtusis glabris aut vix margine ciliatis; (loribus omnibus foemineis (excepto unico centrali hermaphrodio crassiori) graoilibus, apice saepius 5-fidis, laciniis crassis glandulosis. — In Abyssinia prov. Ouodgrate.
2. GN. AURICULATUM A. Rich. 1. c. 430. — Caule basi suffruticante; ramis virgatis teretibus toincruollis; foliis alternis sussilibus amplexicaulibus elongato-lanceolatis acutis, superne glabris, sublus cinereo-tomentellis, basi in auriculas binas obtusas productis; capitulis parvulis corymbum terminalem ramosum myrianthum confertiflorum efformantibus; involucri subteretis squamis imbricatis erectis scariosis subobtusis, internis longioribus, glabris; lobis radii pluriserialibus, tubuloso-filiformibus numerosis, disci hermaphroditis 3—5 crassioribus; pappi selis albidis nitentibus subscabris. — In Abyssinia prov. Cboa.
3. GN. MELANOSPHAERUM C. II. Schultz (Dip.) mss. ex A. Rich. 1. c. 431. — Annum? caule a basi ramoso; ramis ascendentibus spithameis teretibus incano-lomentosis; foliis alternis spatulato-oblongis obtusis, basi angustatis. in utraque facie incano-tomentosis; capitulis parvulis in corymbum capituliformem densum dispositis; involucri subteretis squamis subseriatis rufis, externis brevioribus ovali-acutis, internis lanceolatis subobtusis; floribus foemineis externis numerosis, hermaphroditis centralibus 3—4; achaeniis teretibus subglandulosis glabris. — In Abyssinia prov. Semiene.
4. GN. (*Ewhiton*) LUTEO-FUSCUM B. Webb in Hook. Niger Flora 143. — Herbaceum. to turn abido-tomentosum: radice lignescente nigra; foliis inferioribus spatulatis pedicellatis, superioribus oblongis, apice spatulatis sessilibus subamplexicaulibus obtusis; capitulis corymboso-cymosis heterogamis; floribus foemineis multiserialibus, hermaphroditis paucis; involucri squamis scariosis glabris acutissimis fuscoluleis, demum sordide fuscis; achaeniis nigris ovalis costatis glabris. — Habitat in insulis Promonlorii Viridis.
5. GN. (*Euchilon*). Schlcnd. Linnaea XXI. 449. f. — Planta simplex, caulis 5 poll. altus foliosus, apice capitulum compositum involucreatum gerens, sericeo albo-lanatus;

Folia supra glabra, subtus albo-lanata, margine magis minusve revoluta, nervis uncinatis uninerviis. basi dilatata subvaginata, inferioribus obovalibus seu ellipticis longe in partem petiolarum (basi vel supra dimidiatam) attenuatis. superioribus vix decrescentibus in lanceolatum et lanceolato-linearibus, semper inferne paulo angustatam formam transcurrentibus, summis denique 5 capitulum compositum subglobosum cingentibus et suo ordine magis minusve superantibus. Capitula specialia squamis hyalinis stramineis cincta, interioribus elongato-lanceolatae acutae. Achaenia sublanceolata compressa brunnea, glandulis stipitatae minutis adspersa, pappus facilius deciduus. Unicum hermaphroditum florem tubulosum inter tenuissimos foemineos in capitulo examinato reperitur. — Crescit in Nova Hollandia australi.

t Species seottonis dublae,

6. GN. GAYANUM Remy in Gay. *Historia fl. de Chile* (Dot.) IV. pag. 225. f — Caulibus simplicibus ascendentibus subangulatis puberulo-glandulosis, non lomentosis neque arachnoidibus; foliis lanceolato-linearibus, breviter decurrentibus obtusis mucronulatis undulato-entatis, undique puberulo-glandulosis; capitulis ad apicem caulium confertis; involucri ovoidei squamis ovalibus subacutis glabris nitidis stramineo-fulvescentibus. — Crescit in montibus Chilensibus de San Fernando.
7. GN. AXILLARE Remy 1. cit. pag. 230. f — Caule herbaceo erecto simplici vel vix ad basin raro foliisque molliter cano-lomentosis; foliis radicalibus spatulatis obtusis mucronulatis, caulibus linearibus non decurrentibus mucronulatis, in axilla omnibus quidem infimis spicam capitulorum gerentibus; spicis breviter pedunculatis in spicam longam compositam interruptamque digestis; involucri ovato-oblongi squamis extorribus ovalibus acutis, in limbo oblongo-linearibus, basi viridescentibus, apice membranaceo fulvis obtusis. — Crescit in Chile.
8. GN. ALDUNATEOIDES Remy 1. cit. pag. 232. f — Molliter floccoso-lanatum; caule herbaceo, basi rufosissimo; foliis oblongo-linearibus, non decurrentibus, mucrone acutis, utrinque lanatis; capitulis in glomerulos axillares pedunculatos sessiles vel distichos; involucri lanae laxa immersi squamis oblongo-linearibus obtusiusculis. apice membranaceo albescens. — Crescit in montibus Chilensibus de Santiago.
9. GN. SERPYLLIFOLIUM Remy 1. cit. pag. 233. f — Caulibus multis gracillimis. inferne suffruticulosus glabris, superne lanatis; foliis parvis obovato-rotundatis, superioribus subspatulatis obtusissimis mucronulatis non decurrentibus, utrinque lanatis; capitulis terminalibus paucis, circiter 3—5 segregatis vel confertis; involucri squamis linearibus acutis, inferne stramineis, apice sphaelato-fulvescentibus. — Crescit in montibus de San Fernando, Talcaregue etc.

2752. FIEIAOO Tournef.

(DC. Prodr. VI. 247. VII. 299. — Wlprs. Report. II. 648. VI. 245. Annal. I. 423.)

- 1- F. REPENS Scheele, *Linnaea* XXI. 164. f — Annuum arachnoideo-tomentosum. Caulis repens ramosus, apice ascendens. Folia alterna sessilia divaricata spatulato-oblonga, summa linearilanceolata, inferiora obtusiuscula, superiora acuta. Capitula agglomerata heterogama multiflora terminalia, rarius interfurcilia. foliis involucriata, folia involucri glomerulo longiora. Involucri foliola externa lanata. interiora scariosa oblonga uninervia, apice emarginato-bideniata. Receptaculum paleaceum. paleae squamis involucri intermixtis similes. Flosculi marginales pistillati filiformes pappo destituti. Flosculi centrales tubulosi perfecti pappo capillari instructi. Achaenia. ? — Crescit in republica Texana.

2. F. *TEXANA* Scheele 1. cit. *f* — Annu lanata. Caulis erectua humi\is angulatus simplex vel apice ramosus. Folia alterna sessilia spaibulata brevissime ácuta, inferiora rellexa, superiora erecta lineari-oblonga. Capitula glomerate heterogama muliflora terminalia et interfurcalia foliis involucrata, folia florolia oblonga glomerulum aequantia vel superamia. Involucri squamae seariosae uninerves truncotae, basi lanatae. Receptaculura paleaceum. paleae scariosae glabrac, forma et longiudine involucri squamis similes. Flosculi marginales fliformes pistillati pappo destiuti, flosculi centrales lubulosi perfecti pappo capillari instructi. Achaenia.? — Crescit in republica Texensi prope La Grange.
3. F. *ABYSSINICA* C. II. Schullz (Dip.) mss. ex A. Rich. Tent. a. Abyss. I. 432. — Annu pumila: caule erecto vix spiihamaeo. basi simplici, in pane superiore parce ramoso. albido-lanato; foliis spathulato-lanceolatis angusifs, apice acutis, utrinquo cano-iomcn-tosis. supremis circa capitulorura glomerulos approximato-involucraniibus; capitulis in glomerulos icrmiriales aut in dichoiomia romorum sessiles globosus foliis superioribus 3—4 quasi involucratos disposilis; involucri proprii squamis ovali-lanceolalia glabris, margine hyalinis, exterms acuiissimis, internis obtusis el subcuspidalis; achaeniis obovoideo-oblongis granulatis. — In Abyssinia.

2767. AIVTEHnVARIA *li. Br.*

(DC. Prodr. VI. 269. - Wlprs. Report. II. 649.)

1. A. *ARGENTEA* Dnih. Plant. Hartw. 319. no. 1810. — Siolosifera? caule iforifero elato simplici; foliis utrinque argenieo-scriceis, radicalibus oblongo-spathulalis subtriner-viis, caulinis lanceolatis linearibus; porymbo laxo polycephalo; involucri squamis niveis, marium obtusissimis, focminearum< acutiusculis; achaoniis glanduloso-papillosfs. — Folia fere *A. diuicac*, sed statura elata et achaenia omnino *A. plantagnifoliae*. — Crescii, in Galiforniae montibus Sacramonlo.
2. A. *GEYERI* A. Gray, Plant. Fondlor. 107. adn. — Argenteo-laaaia spithamaea: caulibus floridis o basi suffrutscence plurimis subsimplicibus ad apiceiu usque foliosis oligoce-phalis; foliis spalhulato-linearibus densissime lanosis; involucris (pi. ilerilis) cyliodra-ceis lanaiissimio. squamis oblongo-linuaribus, apice obtusiusculo scarioso tantum nu-datis stramineis, intimis roseo tinctis; pappi setis barbellaio - deniiculatis, auperoe sen-»im longeque clavellatis. — *Gnaphalium alicnum* Hook. Lond. jouro. of bot. VI. 351. (nee Hook, ft Am.) — Oregon.
3. A. *CHIILENSIS* Remy in Gay, Llistoria flsic. de Chile (Bot.)IV. pag. 285. *f* — Caulibus basi fruticulosus procumbentibus. mulias radículas agenlibus, apice ascendentibus, herbaceis incano-tomentosis; foliis radicalibus subspaihulalis, caulinis linearibus, non decurren-tibus aculis, interdum acuiissimis, utrinque tomentosis; corymbo termnlali conferto 5—7-cephaHJ; involucri squamis oblongis obtusis. — Crescit in Chile.

2770. ATHRIXIA *tier.*

(DC. Prodr. VI. 276. - Wlprs. Repert. VI. 250.)

1. A. *ELATA* Sonder. Linnaea XXIII. 67. *f* — Caule erecto ramosissimo; ramls elongatis virgatis araneosis, demum glabris; foliis omnibus sessilibus linearibus. supra glabris. subtus tomentosis; involucri squamis recurvis arachnoideo-tomentosis; pappo paleacoo et setoso. — la Promontorio bonae spei (Magallsberg).
2. A. *GLANDULOSA* Knth. Jodex sem. in hort. bot. Berol. an. 1848. collector, p. 15. no. 22. — Annu: caulibus erectiusculis, simpliciter ramosis hirtello-viscidulis; foliis

Sparsi§ sessilibus cordato - aimplexicaulis, - utroque margine multo angustioribus, supra scabriusculis, subtus birtellis; capitulis terminalibus 6-10-meris involucri foliis lineari-lanceolatis, margine hyalino, dorso piloso-glandulosis, e*rioribus gradatim brevioribus subulatis - arisialis squarrosis; pappo simplici setoso; ovarii compressiusculis scabriusculis, basi nudis. — Habitat in Capite bonae spei.

2775. *CAHPESIUM* Linn.

(DC. Prodr. VI. 2&1. - Wlprs. Annal. I. 424. ft 989.)

1. 'C. NEPALENSE Less. — DC. 1. c. no. 3. - Wlprs. 1. c. 424. — Wght. Spidl. Neilgh. II. lab. 112.

† *Genm dubiae affinitatis.**PUMIIO* Schlecht.

(Schlecht. Linnaea XXI. 447.)

Planta pusilla annua, ad summum pollicaris, cui caulis simplex, radix parva parce fibrosa, folia lineari-tereliuscula acutiuscula (maxima 2 lin. longa), quorum infima pauca conferta sunt, dein duo tria paria oppositorum sequuntur, reliqua autem aequalia ex axillis suis pedunculos ramulosve produunt solitarios. Lanugo parca ad basin foliorum et in axillis, interdum e paucis tantum pilis constans. Capitulum caulem ramumve terminans e foliis fulcimentibus iterum pedunculatum capitulum prodest. Involucrum foliis 2—4 stipatum, squamis paucis ovalis acutiusculis hyalino-membranaceis, aliis enerviis, aliis nervo medio herbaceo nolatis componitur, medium receptaculum minutum tuberculatum, cui insident flores pauci. Achaenium (in quo et embryonem videre licuit) subhorizontale videtur glandulis nonnullis globosis pellucidis (aqua diutius immersis in mucum solutis) instructum et pappo in latere supero (nee in ipso apice sed juxta apicem) coronatum e squamulis 6 obovatis obtusissimis scariosis albis composito, laxe ambeuntibus corollam brevissimam tubulosam basi crassiorem, in dentes (4?) brevissimos apice divisam, cujus genitalia exacte conspici non videntur.

1. 'P. ARGYROLEPIS Schlecht. 1. c. 448. TM In Nova Hollandia australi.

f t *Gnaphalium?* Schlecht. Linnaea XXI. 440.

Herba annua pumila habitu *Pycnospermae*, globuli in modum rari, alba lanata (specimen unicum visum % poll. altum) radice subsimplici tenui, inter folia obovata, basi attenuata, obtusa et obtuse mucronulata sessilia foveas capitula sessilia solitaria terminalia (?), squamis cinclis scariosis, apice lutescenti-appendiculatis, in receptaculo parvo nuda iore angustate tubulosos cum pappo e setis 5—6 linearibus, apice sensim attenuatis 3-4 rigidiulis, margine breviter et apice paullo longius et densius setosis, extus curvatis, basi constantibus et corollae aequilongis cinctos, Achaenium oblongum, basi angustius, subangulosum, dense papulis albis (in aqua mucum secernentibus) in mucum solutis

nectum, pappo multoties brevius, sed nondum maturum Flores omnes hermaphroditi? corollis tubulosis, apice brevissime dentatis, genitalia includentibus. — Habitat in Nova Hollandia australi

Subtribus VIII *SENECIONEAE* Cassin — DC Prodr. VI 292.

2790. **ERECHTITES** Raf.

(DC Prodr VI 294 — Wiprs Repert II 651 VI 251 ft 726)

- 1 *E* (*Neocets*) **SULCATA** Garrin in Hook Lond Journ of bot VII 419 — Caule herbaceo erecto ramoso sulcato pilosiusculo folis sessilibus amplexicaulibus elongatis oblongo-lanceolatis* nervis grosse argute et aequaliter inciso-dentatis aut profunde pinnatifidis utrinque sparse pilosiusculis, denibus calloso-mucronatis, corymbo terminali 3—5-cephalo involucri late cylindrico bracteolis linearibus subulatis? pilosis calyculato — Herba annua 2—3-pedalis Folia caulium 5—8 poll longa, radicalia majora, subtus pallida Involucrum 6 lin longum squamis linearibus acuminatis pilosiusculis, margine scabundis Capitulum multiflorum, florum marginalium multiserialibus foemineis, tenuissimis quinque-dentatis, centralibus hermaphroditis quinque-dentatis Receptaculum planum nudum, minute subpapillosum Styli rami cono superati Achaeina oblonga decemcostata, inter costas pilosa Pappus olbidus — Crescit in Brasiliae provincia Goyaz prope Villa do Arrayas et ad pedes montis Corcovado prope Rio de Janeiro.
- 2 *E* **ORGANENSIS** Gordn I c 420. — Caule herbaceo erecto sulcato ramoso pilosiusculo, foliis pinnatisectis, lobis utrinque 3—5 linearibus aut raro subdentalibus, supra glabris, subtus pilosiusculis capitulis erectis in paniculam corymbosam laxam dispositis involucri cylindrici squamis linearibus acutis, flores subaequantibus — Herba annua bipedalis Folia subconacea Involucrum 4% lin longum. Achaeina oblonga decemcostata, inter costas hispida Pappus roseo-hilacinus — Crescit in montibus Organensibus altit 3000 ped

2792 **OYSTVEA** Cass

(DC Prodr VI 298 — Wiprs Annal I 424)

- 1 * *G* **CERNUA** Benth in Hook Niger Flora 437. — *Cremocephalum cernuum* Cass — DC 1 c VI 298 — *Cacaha umflora* Schum ft Thonn Beskr. 382.
- 2 *G* **CREPIDIOIDES** Benth 1 c 438 f — Erecta scabro-pubescentis foliis ovatis inciso-dentatis, basi longe angustatis capitulis longe pedunculatis subcorymbosis involucri squamis interioribus circa 15, flosculis tenuibus (exteriorum antheris cassis) — Crescit in Sierra Leone
3. *G* **VITELLINA** Benth 1 cit. p 438 f — Glabruscula caule diffusio radicante ramis ascendens parce ramifera foliis petiolatis ovalibus grosse dentatis. capitulis ad apices ramorum solitariis cernuis involucri squamis interioribus circa 20 flosculis omnibus conformibus hermaphroditis involucri breviter superantibus ~ Crescit in Insula Fernando Po
- 4 *G* **POLYCEPHALA** Benth 1 c 437 f — Erecta elata foliis amplis lyrato-pinnatis, corymbi compositi ramis elongatis pleiocephalis, capitulis breviter pedunculatis multinerviis, involucri squamis interioribus circa 30, flosculis tenuibus (exteriorum antheris cassis) — la insula Fernando Po

2797. CIKHERARIA *Less.*

(DC. Prodr. VI. 305. — Wlprs. Report. II. 651. VI. 251.)

- 1- C. DELTOIDEA Sonder. *Linnaea* XXIII. 68. f — Herbacea glaberrima: caule debili; foliis petiolatis . ad basin petioli lobulos majusculos re ni for mi • triangulotos dentatos gerentibus, lobo terminali seu limbo deltoideo, basi truncato aculo repando -denlato; ligulis 4 — 6; achaeniis glaberrimis compressis anguste marginatis. — Port Natal.
2. C. ABYSSINICA G. H. Schultz (Dip.) mss. ex A. Rich. Tent. fl. Abyss. I. 433. — Gaule basi suffrutescente ramoso erecto, bipedali et ultra, tereti striatio glabro; foliis petiolatis lyrato-pinnatifidis aut pinnatifidis, segmentis valde inaequalibus, terminali multo majori, lobulato - dentalis, superne glabris, subtus arachnoideo - subtomentosis cineris, petiolo basi saepius auriculato, auriculis varie inciso-dentatis; capitulis minimis in apice ramulorum parce corymbosis; involucri foliolis externis lanceolato-linearibus aculis fimbriatis, internis lanceolatis acutis, margine tenuioribus glabris; ligulis angustis involucri tertio parte longioribus; achaeniis compressis, margine subalatis glabris nigerrimis. — In Abyssinia prov. Ouodgerate.

2800. ARSTICA *Linn.*

(DC. Prodr. VI. 316. — Wlprs. Report. II. 651.)

1. A. DISCOIDEA Bnh. *Plant. Harlw.* 319. no. 1805. — Piloso - hirta: foliis plerisque alternis; ligulis nullis. — Herba perennis. Folia radicalia ovata obovata vel oblonga, grosse dentata vel subincisa subripollitaria. basi in petiolum longum angustata subtriplinaria et reticulato-paucivenio, praecipue ad venas sparse pilosa et viscido-puberula, caulina minora oblonga vel lanceolata, alterna vel rarius opposita, sessilia vel inferiora breviter petiolata. Caules pedales vel paulo altiores, parce foliati, pilis longis mollibus et pube brevi Induli, superne in ramos paucos monocephalos divisi. Capitula magnitudine fere *A. montanae* absque radiis, qui omnino desunt. Involucrum dense hirsutum, squamis 4 lin. longis quam in *A. montana* numerosioribus irregulariter biseriatis, interioribus saepe brevioribus. Receptaculum plenum breviter hirsutum. Flores numerosi. Corollae tubus hirsutus, limbus campanulatus glaber. Achaeia striata hirtella. Pappus albus, setis barbellatis. — Crescit in sylvis Californiae prope Monterey.

f Icon addends.

- A. MOLLIS Hook. — Wlprs. 1. c. no. 1. — Torr. Fl. of New York. I. 403. tab. 60.

2802. DOROHTICULT *Linn.*

(DC. Prodr. VI. 320. — Wlprs. Report. II. 652. VI. 253. Annal. I. 425.)

- *. D. CACALIAEFOLIUM Boiss. & Heldr. *Diagn. plant, orient, nov.* XI. p. 31. + — Radice cylindrica brevi truncata subhorizontali. collo glabro; foliis teneris viridibus. utrinque sparsim et minutissime puberulis longissime petiolatis reniformibus transverse latioribus. sinu brevi latissimo cordatis, circumcirca crenato-dentatis, dentibus aculis, sinibus rotundatis, petiolo basi subdilatato, eo foliorum coulinorum inferiorum basi denticulato minute auriculato; folio supremo saepe ovalo amplexiculi sessili minuto; caule elato angulato-striato, superne stridite et laxo paniculato 3—6-cephalo; capitulis

parvis; involucri dense et breviter hirti phyllis ohlongo - lanceolatis acuminotis disco non longioribus; ligulis disco 27a - plo longioribus. — Crescit in umbrosis rupium septentrionalium montis Gheidagh Isauriae nit. circ. 9900 ped.

t **leones addendae.**

- D. ARNOTTII DC. 1. c. 32. no. 11. — Wlprs. Annal. I. 426. — Wght. Spicil. Neilgh. II. tab. 114.
D. LESSINGIANUM Arn. — DC. 1. c. no. 12. — Wlprs. 1. c. — Wght. 1. c. tab. 113.

2803. **WERIVERIA** *H. B. Knth.*

(DC. Prodr. VI. 323. — Wlprs. Repert. II. 652. VI. 254.)

1. W. RHIZOMA Reray in Gay. Historia de Chile (Bot.) IV. p. 215. f tab. 47. fig. 1. — Rhizomate crasso repente radicante; foliis omnibus radicalibu* stellato-imbricatis, anguste linearibus paucis obiusiusculis inlogerrimis, capiulo vix brevioribus; pedunculo brevi, bracteis 2 foliaceis donato; involucri oampanulato decemfldo; styliorum ramis apice obtuso penicillatis; achaeniis glaberrimis. — Crescit in montibus Chilensibus de Ovalle.
2. W. FINNATIFIDA Remy 1. cit. pag. 216. f tab. 47. fig. 2. — Foliis omnibus radicalibus, scapo duplo longioribus roaulatii pinnalisectis. In petiolo basi dilatatum longe attenuate, laciniis inciso-lobatis vel rarius integris; scapo simplici-monocephalo vel bifurcato-dicephalo, bracteis linearibus integerrimis vel panicentatis mucronatis; capitulis discoideis; involucri gamophylli deutibus 20 — 25; achaeniis glaberrimis. — Crescit in montibus Chilensibus de los Patos.

2804. **CITICITUM** *H. B. Knth.*

(DC. Prodr. VI. 324. — Wlprs. Report. VI. 254.)

- I. C. GAYANUM Remy in Gay. Historia de Chile (Bot.) IV. pag. 130. i — Adpresse cano-tomentosum: caule tereti striato fistuloso araneoso folioso; foliis vix crenulatis, inferioribus petiolatis Ovalibus oblongis, superioribus semiamplexicaulis oblongis. Tit aculis; corymbo subramoso, minimum 8-cepalo; involucri uniseriati aquamis circiter 16 — 20. — Crescit in montibus altissimis Chilensibus.

2805. **enFOXYS** *Cass.*

(DC. Prodr. VI. 325. — Wlprs. fteperi. II. 692. VI. 256.)

1. G. FRAGRANS Hook. Bot. Magaz. t. 4511. f — Paxt. ft Lindl. Flow. gard. I. 77. fig. 54. — Scandens glaberrima: foliis alternis sublonge petiolatis ovatis seu ovalo-lanceolatis aculis subcarnosis integerrimis Indistincte venosis; racemis corymbosis terminalibus; flosculis radii paucis; bracteolis 4 — 6 paucissimis subulatis. — In Guatemala!

2806. **CACAMA** *DC.*

(DC. Prodr. VI. 327. - Wlprs. Repert. II. 652. VI. 257. Annal. I. 4*9. & 990.)

1. C. ABYSSINICAWlprs.mss.—Glaberrima: caule herbaceo sesquipedali erecto oligocarpophalo telcotymboso; foliis ascendentibus sensim diminulis. mediis oblongis 5—7-dentatis mi Sublobatis, summis in squamas subaillares ramorum paniculae abeotibus^{us<}

radicalibus majusculis petiolatis. ovatis aut oblongis repando-dentatis; paniculae expansae capitulis 5-florescentibus per flosculos turbinato-subbombato distributis. — *Cacalia tuberosa* Delile mss. in Ferret et Galnier, Voy. en Abyssin. IN, 142. (nec Null. — DC. Prodr. VI. 329. no. >20.) — *Senecio tuberosus* C. H. Schullz (Bip.) — Habitat in Abyssinia.

• f **Icon Addenda.**

C. ATRIPLICIFOLJA L. — (DC. 1. c. 329. no. 17.) — Torr. Fior of New York. I. 401. f. tab. 59.

2810, ? HAPIOËSTHES A. Gray.

(A. Gray, Plant. Fendler. 109. adn.)

Capitulum globosum multiflorum heterogamum: fl. radii 4—5 ligulatis foemineis, disci tubulosis hermaphroditis. Involucrum uniseriale, e squamis 5 late ovalibus plurinerviis conslans, ecalyculatum. Receptaculum convexum nudum. Ligulae late ovales. Corollae fl. disci quinquentatae sub-10-nerviae, nervis accessoriis ad medium loborum directis. Antherae, styli et achaenia (immatura) omnino Senecionis. Pappus uniserialis, e setis capillaribus tenuissimis vix 20, corolla disci paulo brevioribus. — Herb. a glaberrima ramosa gracilis: foliis oppositis filiformibus integerrimis; capitulis parvis laxo corymbosis; floris flavis.

1. **H. GREGGII A. Gray** J. c. — Mexico.

2811. SIFISCIO Less.

(DC. Prodr. II. 340. VII. 300. — Wlprs. Hepert. II. 653. VI. 257. f. 727, Annal. I. 426.)

I. **Caucasici DC. Prodr. VI. 341. — Wlprs. 1. c. II. 653. VI. 257, Annal. 1. 426.**

L. S. (*Obaejacae*) FLOSCULOSUS **JoH.** Cat. du jard. de Dijon 1848. p. 30. f. — Capitulis laxo corymbosis; pedunculis erectis, apice pappo incranatis bracteolatis; involucri fructiferi ovato-bemisphaerici foliolis exterioribus 1—3 uniserialibus **taxis**, interioribus lineari-oblongis concavis trinerviis. nervo medio valido costato carinali subglabris, margine membranaceis, apice fusco acuminatis ciliatisque; semiflorescentibus nullis vel rarissime 12—13 oblongis involucri brevioribus unguiculis subaequantibus; achaeniis 7—9 nervosis-striatis oblongis pappo subtriplo brevioribus. omnibus bispidulis; foliis intense virentibus obovato-oblongis obtusissimis. radicalibus in petiolo anguste canaliculato desinensibus. imbricatis subsimpliciter dentatis. caeteris caulinisque lyrato-pinnatifidis vel omnino dissertis. laevibus superne decrescentibus inciso-dentatis patulis. basi ubi aliis remanens caulem amplectens; caule striato apice subangulo erecto subnervoso superne ramoso corymboso; ramis erectis inaequaliter fasciculatis; caudice praemorso bienni brevi. — In collibus herbis Dolphinatus.

2. S. **SUBSCANDENS** Hochst. mss. ex A. Rich. Tent. fl. Abyss. I. 434. — Glaber; caule basi suffrutescente; ramis elongatis flagelliformibus, striatis aut angulatis glabris; foliis caulinis petiolatis. basi amplexicaulis et late auriculatis pinnatifidis, segmentis glabris saepius 3—5. sinu latissimo obtuso separatis inaequalibus, figura maxime teiiis. oblongis obovalibus aculis integris aut inaequaliter subdentatis. terminali majori oblongo integro aut subtrilobo; capitulis corymboso-agglomeratis trifloris.

- pauciflorus floribus omnibus tubuloso-quinquefidis, involucri foliolis externis brevissimis nervis, internodiis 5—6 erectis glabris subacutis, margine scanosis, achaeniis teretibus striatis hirtis — In Abyssinia prov. Choa
- 3 S TUBEROSUS C. II Schultz (Bip.) mss. ex A. Rich 1 c. tab 58 — Tuberculis irregularibus globosis carnosis, caule erecto pedicellato, tereti - angulato glabro foliis inferioribus petiolatis ellipticis aequalibus obovatis - oblongis obtusis integris aut subdentatis, superioribus subsessilibus, mollibus glabrescentibus, capitulis in apice nudo ramorum elongatis aggregatis, 4—6-flores teiibus glabris floribus omnibus tubulosis involucri foliolis externis 2—3 minimis linearibus, internodiis saepius 5 oblongo-lanceolatis subobtusis, achaeniis teretibus albido - senceis — In Abyssinia.
- 4 S HOELSTLTrCRI C. II Schultz (Hip) mss. ex A. Rich I c 438 — Caudice crasso horizontali caule basi simpliciter, apice composito - ramoso tereti striato hirtulo - ferrugineo, pedicellato, foliis radicalibus longe petiolatis, basi dilatata amplexicaulis elliptico-lanceolatis acutis, basi sensim angustatis, inaequaliter et obsolete dentatis, utrinque hirto-subferrugineis, capitulis compositum laxum nudum efformantibus, involucri squamis externis paucis laxis, internodiis lanatis, dorso glanduloso - hirtis, floribus omnibus iloculis, achaeniis hirtis — In Abyssinia summo monte Koubi
- 5 S SCHIMPERI C. II Schultz (Bip.) mss. ex A. Rich 1 c — Caule erecto a basi ramoso. pedicellato aequaliter tereti glabro foliis carnosis linearibus acutis glabris, margine vix distantibus tuberculato - subdentatis, involucri foliolis externis linearibus acutissimis lanceolato-linearibus, apice aequales sphaelalis, floribus omnibus tubulosis gracilibus, achaeniis teiibus striatis, albido - puberulis — In Abyssinia circa Adoua
- b S MACROPAPPUS C. II Schultz (Bip) mss. ex A. Rich 1 c 436 — Caule erecto ramoso bipedali tereti hirtulo ramis flagelliformibus, foliis longe petiolatis cordatis acutis aut basi non cordatis ovalibus, margine acute dentatis, superne hirtis subtusque cinereis petiolo basi aequaliter, aequaliter latis obtusis integris aut sublobis, capitulis solitariis longissime pedunculatis, involucri externis foliolis linearibus laxis longiusculis, margine ciliatis, internodiis squamis lanceolatis acutis, dorso pilis quibusdam glandulosis, floribus omnibus tubulosis, achaeniis striatis hirtis — In Abyssinia
- ? S ACUTIDENTATUS A. Rich I c — Caulis erecto gracili simpliciter sesquipedali tereti striato puberulo, foliis caulis sessilibus elliptico-lanceolatis acutis, basi angustatis amplexicaulis aequaliter, margine acute dentatis, subhirsuto - asperis, aequaliter brevibus obtusis capitulis longe pedunculatis, terminalibus solitariis aut paucis teretibus, squamis involucri externis laxis linearibus, margine ciliatis, internodiis erectis striatis, flosculos subaequantibus, floribus laxis omnibus flosculosis, achaeniis * — In Abyssinia prov. Choa
- 8 S PAPAVERIFOLIUS A. Rich 1 c 437 — Caule erecto ramoso sesquipedali tereti striato hirtulo, foliis caulibus sessilibus aequaliter-cordatis ovalibus lanceolatis aut ellipticis acutis, margine inciso-dentatis subpuberulis, aequaliter latissimis cum basi foliis confusis, capitulis homogamis longe pedunculatis involucri squamis externis lanceolate ciliatis, internodiis lanceolatis apiculatis, dorso setoso - luscis. achaeniis teretibus costatis et inter costas subsenceis — In Abyssinia prope Adoua
- 9 S DIVERSIFOLIUS A. Rich I. c — Annuus caule erecto simplici aut ramoso. pedali aut sesquipedali, tereti striato puberulo, foliis inferioribus petiolatis saepius ovalibus. basi sensim attenuatis acutis, margine irregulariter dentatis, utrinque puberulis, superioribus sessilibus pinnatifidis, segmentis lanceolatis dentatis, sinu lato separatis. capitulis teretibus longe pedunculatis et compositum laxum oligocephalum efformantibus; involucri squamis externis laxis disjunctis linearibus, internodiis erectis flosculos fere aequantibus, secundum longitudinem striatis subpuberulis floribus purpureis tubulosis valde gracilibus, achaeniis teretibus costatis subhirtis — In Abyssinia prope Adoua.

- ¹⁰ S (*Obaqacoidei**) NCMOROSUS Jordan. C-ual du JQCI de Dyon 1848 pag 30 f — Cdpitulis hxe corymbosis pedunculis erectis paicc biacteolatis invohicn ovato-hemisphacuci foliolis exterioribus 2—4 brevibus lans intcioiibus adpiessis oblongis plamusculis 3-ncmis mirgine membnnaceis apiceque hirsutulis semiflosculis lineanbus involucro duplo longionbus acnenniis leviiier btrnlis subaequalitPr lineari - oblongis pappo subtuplo bievioubus margmalibus glabns, caetens laxe hispidulis folus late vireribus ambitu late oblongo - obovatis obtusissunis, tadicalibus imis Ivratris breviter peliolatis caeteri* caulimsque laciniaio - pmnatisectis segmcnlis ovato - oblongis obtusis pinnatifldis, Jobis divancatis incjso - dentatis subacutis, baseos remotis caulem amplecientibus, caule stnato rubello erecto elato, apice ramoso paniculato, lamis laxo erectilib subtupulis caudice piacmoiso brevi bienni — Circa Lugdunum Gillorum
- U S VULGANICUS Boiss Diagnos plant orient nov XI pig 31 f — Peiennis? glabernmus. cae&pitous subacaulis radice cylindnca tenui verhtdli folus minimis cainosuhs ovato • oblongis oblongo - lineinbusve pinnatlobatis vel pinnalipaitilis, lobis obtusis&imis infimis petiolo us aequilongo suffullis, supenonbus in petiolum bievem subanguslatis, omnibus ob caules subnullos in caespitem congestis pedunculis biacteolatis e folus vi\ exsertis capitulo subsesquilongionbus calyculi phyllis mimmis squanmeformibus tnangulanbus aculis sphacelaus (??) ligulis (lavis oblongis, demum levolutis, ladium v-Ude superantibus, achaenus longis tenuiter cxlindncis subdeccmsinatis glabns>, apice in collum subattenuatis pappo mveo caduco achaenio longion — Crescit in solo vulcanico regioms summae monlis Demawend in Persia
- ¹¹ S LACERUS Hoiss I c f — Annuus? piaeter papillas albas sparsissimas glaber caulibus heibacei* slnatis decumbentibus ramosissimis, ramis tenuibus erectis, capitulis teiminalibus, pedunculis longis tenuibus nudis suffulns laxe corymbosis, folus Hactidis pmnaitipartitis. margine subtus levolutis, rhachide lata plana, in feme in petiolum basi minute auntulatum sen^im angustata, lacinus utnnque 2—4 irregularibus l'neinbus mtegiis vel triOdis, folus summis tupaititis \el inlpgns capilulis parvis, caçculi squamib paucis minutissimis lineau-setaceis ad basin involucris spjrsis, involucn phyllis anguste lineanbus elevatim binervus anguste membianaceis tcutis ligulis revolutis flosculos superantibus achaenus tenuibus cylindncis subdecemnervus glabns, Pappo albo fugaci, achaenio aequilongo — Crescit in alpibus Demawend
- ¹³ S (*Ecalyculati*) ADYSSINICUS G I! Schullz (Bip) mss ex A Rich Tent fl Abyss I. 438 — Annuus caule erecto simplici aut ramoso spithamaeo aul pedali, hirtello, fo'ns infeuonbus petiolatis spalhulads anguldio- dentatis hutellis, caulibus sessilibus oblongo - lanceolatis subobtusis giosse et inaequalitei dentatis capilulis parvulis parce numerosis longe pedunculatis invohicn simplicis ecalyculati foliolis ereclis lanceolatis glabns acutis ligulis paucis vix involucio longionbus, achaenus toretibus costatis sericeis — in Abyssinia prope Adoua
- ¹⁴ s BELLIDIFOLIUS A Rich 1 c. 439 — Annuus caule erecto vix pedali gcacili «impliciusculo. folus infenonbus siiborbiculan - spaihulaifs petiolatis obtusissimis, obtuse dentatis, supenonbus suborbiculanbus abrupte anguslatis et in parte angustion dentala-to-subpinnaufldis. subpubentibus ciliatis el sessilibus, capilulis mimmis paucis longe Pedunculans. involucris simplicis squamis lanceolatis aculis glabernmis flosculos aequantibus ligulis minimis involucrum supeiantibus angustis, achaenus teretibus costalis subhispidis — In Abyssinia prope Ghire*
- ¹⁵ S (*Jacobaeae*) LYRATIPARTITUS C H Schultt (Bip) mss ex A Rich I c — Caule erecto ramoso 1 — 1', -pednli tereti stnaio glabro, folus caulims sessilibus amplexicaulibus, ba<i late aunculaiis pinnatipariius. lobo torminali maximo cordato-lanceolato acutissimo. maequaliier el argute dentaio, lobia Internlibus maequnlibus parvulis, ar gute dentitis. praeseriim subtus pubentibus involucris glabu foliolis externis lineanbus acutissimis, inierms lanceolatis aculis apice non sphacelotis ligulis mvolucrp duplo longionbus, achaenus teretibus subseticeis. — In Abyssinia pro? Chiré.

16. S. UNIONIS C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. 440. — Caule a basi caespitose ramosissimo, 3—8 uncias longo tereti striato glabro; foliis caulinis sessilibus sublanceolatis inciso- et distanter dentalibus subpinnatifidis aculis glabris crassiusculis; capitulis sal numerosis ramulos terminantibus; involucri squamis externis brevibus linearibus aculis laeviusculis glabris, internis lanceolatis acutis, margine tenuioribus glabris. apice subimbricatis; ligulis planis involucri longioribus; achaeniis teretibus cosialis hirti*. — In Abyssinia prov. Semiene,
17. S. (*Sarracenicus*) STEUDELII G. H. Schulz (Bip.) mss. ex A. Rich. I, cit. — Caule erecto bipedali simpliciusculo tereti glabro; foliis caulinis sessilibus semiamplexicaulibus basi cordato-auriculatis lanceolatis acutis, margine argute subdentatis, junioribus ramulisque floriferis albido-arachnoideis; involucri foliolis exterioribus laxis lanceolatis, internis erectis lanceolatis, margine scariosis, apice pedicellato-pilosis, dorso dense nigrescenti-tomentosis; ligulis involucri longioribus; achaeniis glabris. — In Abyssinia prov. Ouodgerate.
18. S. CONFERTUS C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. 441. — Caule erecto 2—3-pedali tereti striato birto, apice oorymboso-ramoso; foliis caulinis sessilibus, basi auriculatis oblongo-lanceolatis acutis argute serratis aut inciso-serratis, superne glabriusculis, subtus puberulis. auriculis fere a folio distinctis subcuneiformibus argute dentalibus; capitulis (erectis numerosissimis corymbum ramosissimum terminalem efformantibus; involucri foliolis exterioribus 3—4 laxis, brevibus glandulosis, margine scariosis, flosculis dimidio brevioribus; ligulis paucis vix flosculos superantibus; achaeniis teretibus cosialis albido-sericeis. — In Abyssinia monte Taber.
19. S. MYRIOCEPIALUS C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Caule erecto bipedali et ultra, tereti striato albido-tomentoso; foliis approximatis, caulinis subsessilibus aut subpetiolatis, lanceolatis v. lanceolato-acutis, basi sensim angustatis, margine denticulatis, superne glabris viridibus, subtus albido-tomentosis; capitulis parvulis teretibus corymbum ramosissimum constituentibus; involucri squamis externis linearibus aculissimis crassis, internis lineari-lanceolatis acutis, apice imbricatis; ligulis involucri duplo longioribus; achaeniis teretibus aureo-sericeis. — Habitat in Abyssinia.
20. S. PETTIANUS A. Rich. 1. c. 442. — Caule 2—3-pedali tereti. apice corymboso-ramoso glabriusculo; foliis caulinis ellipticis acutis, basi abrupte et breviter petiolatis, margine subnerviatis, obsolete et distanter denticulatis membranaceis; capitulis numerosissimis, corymbum ramosissimum efformantibus; involucri foliolis externis 3—5 distantibus lanceolatis, internis lanceolatis, apice ciliato-pilosis, dorso glabriusculis, numero 9—9. floribus dimidio brevioribus; ligulis elliptico-roboreis, apice tridentatis; achaeniis teretibus cosialis hirti*. — In Abyssinia* prov. Cfoa.
21. (*Fruicosus*) CLEMATOIDES C. H. Schultz (Bip.) mss. ex A. Rich. I. c. — Caule basi suffrutescente ramoso, scandente tereti striato floccoso-arachnoideo; foliis petiolatis cordatis acutis, argute dentatis, superne glabriusculis, subtus in nervis floccoso-arachnoideis; capitulis teretibus aggregato-corymboseis; involucri squamis externis linearibus aculissimis floccosis, internis saepius 8 lanceolatis acutis, apice imbricatis, margine tenuioribus; flosculis externis foemineis, internis berrapilodilis; achaeniis glabris. — In Abyssinia prov. Choa.
22. S. FARINACUS C. H. Schultz (Dip.) mss. ex A. Rich. 1. c. 443. — Caulis basi suffrutescente erecto ramoso tereti angulato floccoso-arachnoideo; foliis petiolatis pinnatifidis, segmentis sinu obtuso separatis, margine obtuse sinuosis, utrinque floccoso-tomentosis, subtus albidis; foliis supremis sublyralis; capitulis paucis radialibus magnis ramulos terminantibus; involucri duplici floccoso-tomentoso, radiis duplo longioribus; achaeniis teretibus striatis aureo-hirtellis — In Abyssinia monte Bouahit, elevatione 12000 pedum.
23. S. (*Crociserides*) NANUS C. H. Schultz (Bip.) mss. ex A. Rich. 1. c. — Capsulosus; caule brevissimo crasso (excepta parte florifera vix unciali); foliis confertissimis aessi-

libus linearibus obtusis subcarnosis, basi dilatatis amplexicaulibus glabris, integra 1—2 uncias longis, lineari-lanceolatis, capitulis solitariis pedunculatis pedunculo unciali luteo sesquiunciali foliis lanceolatis acutis margine lanuginosis raris us glabris onusto, foliis involucri externis lanceolatis acutis distantibus, margine lanuginosis aulis glabris, internodiis cinctis oblongo-lanceolatis acutis glabris margine scanosis et apice flabril-latis leucomenis inferioribus inaequalibus coalitis ligulis involucri paulo brevioribus. achaenium glabrum — *S. amoenus* C. H. Schultz (Bip) mss — IQ Abystinia monilibus Bouahu & Selk

M. S. SCHULZII Hochst mss ex A. Rich 1 c 444 — Caule erecto subsimplici pedali tereti tomentoso, foliis approximatis oblongo-spathulatis obtusis, basi angustatis et quasi petiolosis margine denticulatis, utrinque subferrugineo-hispidis, 3—4 uncias longis 3—6 lineas latis capitulis magnis longe pedunculatis compositis oligocephalum (4—6- (lorum) florentibus involucri foliis externis linearibus subpatulis acutis, internodiis erectis linearibus acutis, apice flabril-latis, margine scanosis, dorso tomentosis, ligulis involucri fere duplo longioribus. achaenium teretibus glabris, striatis — In Abys-sinia prope Semien

VIII *Capenses* DC Prodr. VI 379 — Wlprs Repeit. II 654 VI 262

5. *S. (Decussata)* &ERRA Sonder. Linnaea XXIII 68 f — Herbacis glaber erectus caule sulcato foliis ovatis elongato-lanceolatis cartilagineo-serratis, basi cuneata integerrima in alvea angustam decurrentibus supremis saepe auriculatis, composito fastigiato. pedicellis squamulatis involucri luteo-phlegmo glabro, apice vix barbato basi calculato, disco sub-12-floro, ligulis 6 achaenium glabrum — Port Natal

XII *Chilenses* DC. 1. c. 413. — Wlprs. 1. c. II. 413. VI 269.

a. *Discoidea*

26 *S. PROTUS* Remy in Gay, Historia de Chile (Bot) IV p 140 f — Fruticosa ramosa ramis angulato-sulcatis vel sublaevibus elongatis, foliis anguste lanceolatis, inferne attenuatis obtusiusculis plants, in axillis gemmas tomentosas foventibus, integerrimis AOI 3—5-partitis, segmentis anguste linearibus acutis, tenuiter arachnoideis, demum glabris glaberrisque, corymbis terminalibus compositis confertis pedicellis bracteis subulatis donatis, involucri campanulati squamis lanceolatis acutis, disco paulo brevioribus — Crescit in montibus summis provinciae Chilensis Coquimbo ad alt. 6000 ped

27 *S. BENAVENTIS* Remy 1 c p 146 f — Ramis elongatis sulcatis cano-tomentosis, versus apicem subglabris, foliis oblongo-sublanceolatis. in petiolum attenuatis subacutis, inferne runcinato-dentatis. superne subintegerrimis, subtus arachnoideo-tomentosis, supra parce araneosis, composito terminali composito, involucri campanulati squamis breviter acuminalis, glabris, disco brevioribus, calyculi bracteolis sub-setatis receptaculo alveolato-flabrilifero, achaenium glabrusculis — Crescit in Republica Chilensi

28 *S. LASTARRIANUS* Remy 1 c p 146 f — Glaber. basi fruticosus caule tortuoso ramoso ramis in pedunculum monocephalum longissimum productis. foliis ad partem inferiorem ramorum subconfertis conatis linearibus acutis integerrimis, pedunculis vix bracteolatis calyculo magno. involucri campanulati basi subcalyculati squamis 17—18 oblongo-linearibus acuminalis, disco brevioribus, achaenium oblongis glabris Multicostatis — Crescit in montibus Chilensibus prov Talcaregue

29 *S. PACHYPIYIXUS* Remy I c p 147 f — Fruticosus glaberrimus caule ramoso ladicante, ramis medium versus denso foliosis, apice subnudis mono- aut oligocephalus

- lis, foliis sessilibus oblongo-linearibus crassissime subcylindralis integerrimis acutis. capitulis pedunculatis, pedunculis paucibractealis involucri [subcalyculati ovalo-campulau squamis oblongo-linearibus, margine scariosis, aculis obtusiusculisve, disco brevionibus, achaennis costatis, labrnmis — Crescit in montibus Chilensibus piovia Talcaegue
- 30 S LA SEGUE I llobr a Jacquinet, Voy au Pol Sud t 13 fig D (absque dngnosi) — Wlprs Reperl " VI 267 no 63 — Remj 1 c 148 f — Caule e basi ramoso radicante ramis ascendentibus glabris foliis oblongo-linearibus aculis sessilibus glaberrimis inicus vol apice remote denatis involucri unisenati squamis oblongo-linearibus acutis, miigiue mcmbianaceo - sublaccns, flosculis brevionibus achaennis glaberrimis — Ad freium Magtllamcum
- 31 S HOLOPHYLLUS Remy 1 c. p 147 f — Glaberrimus glaucus ramis cylindricis sinatis flexuosis foliis spsibus oblongis subacutis integerrimis subconatis, capitulis pedicellate, in coivbum compositum digestis. involucri calyculati oblongo - cylindrici squamis lanceolato-linearibus acuminatis crassiusculis, apice obtusato deflexis glaberrimis, disco longionibus, achaenus glabris — Crescit in montibus Glulensibus provinciae Talcaegue
- 32 S MURORUM Remy 1 c p 149 f — Frutescens glaberrimus caule ramoso ramis cylindricis longatis siliatis foliis linearibus sessilibus, vix attenuatis aculis integerrimis cossiuaculis distantiibus, capitulis pucis pedunculatis subumbellatis pedunculis gracilibus bracteolatis involucri calyculati squamis circiter octo. oblongo - linearibus acutis, maigne scanosis, quam flosculi mente brevionibus, achaennis subpuberulis — Crescit in piovincns Chilensibus Coquimbo, Serena, Andacollo
- 33 S POROPHYLLOIDES Remy 1 c p 154 i — Glaberrimus caule basi suffruticoso ascendente subsimplici 1—2- vel ramoso tncephalo foliis inferius longe petiolatis ovalibus crenatis-denatis vel subduplicato-crenatis, caulinis superioribus* sessilibus elliptico - oblongis, denatis vel subintegerrimis involucri cylindrici squamis circiter 13 lanceolato-linearibus acutis, (flosculis subaequantibus, basi bracteolis paucis stipatis, pedunculis longis subnudis — Crescit in montibus altis provinciarum centralium regni Chilensis
- 34 S. BUSTILLOSJAMJS Remy 1 c pag 155 f — Caule basi suffruticoso radicante ramoso ramis ascendentibus cylindricis glabris, foliis sessilibus oblongo-linearibus, raussime indivisis, saepius palmato-lobatis vel 5—7-lobatis, lobis linearibus acutis, utunque glaberrimis, capitulis in apice ramorum 1—4, longiuscule pedunculatis, pedunculis vix bracteolatis involucri calyculati squamis oblongo - linearibus acuminatis obtusiusculis glabris, disco vix brevionibus — Crescit in piovincns Chile centrali.
- 35 S CLARKWAEAEFOLIUS Remy 1 c 156 f — Glaberrimus caule fruticoso cespitoso, ramis brevibus tetraluis, dense foliosis, foliis oblongis, pro parte lobatis, in petiolum attenuatis. lobis oblongis grosse acuteque dentatis, capitulis apice ramorum solitariis, involucri ovalo-oblongi calyculati squamis circiter 13, oblongo-linearibus acuminatis, disco longionibus, apice obtusato villosulis, achaennis glabris. — Crescit in montibus de los Patos provinciae Chilensis Coquimbo alt 12000 ped.
- 36 S CORONOPODIPHYLLUS Remy 1 c p 4 — Glaberrimus caule fruticoso prostrato tortuoso radicante cespitoso ramis ascendentibus dense foliosis, apice nudatis, foliis petiolatis carnosulis, in axilla laminae pinnatisectis, segmentis anguste linearibus acutis, integris vel acute dentato-lobatis, capitulo oblongo - cylindrico, in apice ramorum solitario pedunculato, pedunculo bracteolis anguste linearibus donato, involucri basi bracteolis subulatis 2—3 donatis squamis oblongo - lanceolatis acuminatis, disco longionibus. — Crescit in montibus Talcaegue provinciae Chileos Colchagua *

- 37 S. MONTLIANUS Remy I c p. 158 + — Levissimè asperulo-fflandulosus caule frutescente ramoso, ramis elongatis angulato-stnulis foliis obovato-oblongis, basi attenuatis, a medio ad apicem usque remote serratis, inferne integris, capitulis pappi in apice ramorum paniculatis, involucri oblongo-obovato-lanceolatis squamis lanceolato-linearibus acuminatis obtusiusculis, extus asperulis, apice tenuissime penicillatis — Crescit in montibus Chilensibus prov. Colchagua, Talcahuano etc
- 38 S. OREOPHYTON Remy I c p. 158 f — Glaberrimus fruticosus ramosus foliis erassis carnosissimis sessilibus, ambitu ovalibus, pinnatisectis, segmentis linearibus integerrimis acutis, capitulis pedunculatis in corymbum oligocephalum digestis, pedunculis nudis vel umbracteis, involucri subcalyculati squamis lanceolato-linearibus acutis, basi incrassata coalitis, margine scanosis ligulis ? achenis glabris — Crescit in Chilensi provincia Goquimbo in montibus alt. 12000 ped
- 39 S. ERIOPHYTON Remy I c pag. 159 f — Fruticosus ramulosis, dense arachnoideo-lanatus foliis carnosissimis ovato-oblongis sessilibus subsemiaimplexicaulibus subnunculatis, lanæ immersis, omnino consp. dentalis vel apice tantummodo ensipato-indentatis, summis bracteiformibus linearibus acutis, capitulis pedunculatis solitariis in apice ramorum involucri campanulati basi bracteolis 2—3 cincti squamis lanceolato-linearibus acutis, basi coalite carnosissimis, ligulis ?, achenis glabris. — Crescit in provincia Chilensis Goquimbo montibus de Donna Anna alt. 12200 ped

(S. *Radiatiflora*)

- 40 S. PORTULACOIDES Remy I c p. 163 f — Frutescens glaberrimus ramosissimus ramis flexuosis, apice longiuscule nudis oligocephalis, foliis linearibus sessilibus obtusis subfasciculatis, margine levibus carnosissimis succulentis, dente uno alteo ad medium donatis vel integerrimis, pedunculis 1—2-bracteatis, involucri ovoideo-campanulati subcalyculati squamis oblongo-linearibus acutis, margine scanosis, dorso superne hirtello-furfuraceis. disco brevibus, ligulis paucis, achenis glaberrimis — Crescit in regno Chilensis provincis centralibus
- 41 S. BELOPHYLLUS Remy I cit pag. 164 — Basi fruticosus ramosus, lotus pilis articulis hirtellus ramis elongatis striatis, apice nudis mono-oligocephalis, foliis linearibus acutis sessilibus, ima basi saepius bidentatis, nervibus revolutis, capitulis solitariis longe pedunculatis pedunculis paucibracteatis. involucri campanulati, basi paucibracteolati squamis acuminatis margine scanosis dorso hirtellis, disco brevibus ligulis 12—14, achenis brevissime hispidis — Crescit in Chile
- 42* S. RANCAGUENSIS Remy I c p. 169 f — Fruticosus ramis junioribus pubescenti-tomentosis foliis ellipticis petiolatis obtusis vel subacutis rigide denticulatis, supra glabris, subtus tomentosissimis glaberrimis, capitulis pedunculatis, in spicam ininterruptam compositam digestis, et ramo supra apicem frondescens ramulos capituligeros axillares emittente involucri campanulati squamis 9—14 oblongo-linearibus, dorso puberoglandulosis, margine scanosis, disco brevibus, ligulis circiter 7, achenis parce hispidulis — Crescit in Chile, Rancagua
- 43 * S. CYMOSUS Remy I cit pag. 170 f — Fruticosus ramosus caule basi demum denudato ramis cano-tomentosis. apice vastissime cymosis foliis superioribus sessilibus oblongis, inferne vix angustatis acutis, subtus cano-tomentosis, supra glaberrimis. regulariter serratis, serratis angustis obtusiusculis, pappi ample cymosa, involucri calyculati squamis 9—13 oblongis oblucis, margibus late membranaceis dorso arachnoides. demum glaberrimis. disco subaequantibus, ligulis circiter 12, imbricatis achenis parcissime hirtellis — Crescit in provinciis Chilensibus Yaldivia Castro etc.
- 44 S. SERLANSIS Remy I cit pag. 171 f — Frutescens cano-tomentosa ramis multifloris inferne dense foliosis, apice subnudis paniculatis foliis oblongo-linearibus sessilibus, superioribus basi aunculae amplexicaulis, omnibus obtusis plants.

- magis minusve profunde grosseque dentatis, dentibus obtusis remotisque, ulnque orachnoideo-lomenlosis, copilulis ppdunculiitis, paucis in npice cuju^{que} mmi involucii cnlyculali campanulali squamis oblongo - lineanbus aculis, maigtnc membianaccis, apice ustulalis, dorso aiachnoidus, disco bicuonbus lig-uhs cirtiter 12, late longcquo lmeanbus palulis, adiaenns adpicssc denseque incano-hispidulis — Crescit in Chile
- 45 S IIALORAGIS Remy 1 cu pag 172 f — Fruticulosus ramis elongatis c\lmdialis arachnoideis, demum glabialis, apice nudis, folus oblongis, in pctiohnn basi sacpe auucuhta seuamplcxicaulcin attenuatis, apice obtuso niucronulatis, giossc crenato-dentatis, subius cano-tomentosis supra arachnoideis, demum glabratis capiulis paucissimis subcorymbosis pedunculaiis involucu laic campanulati ecalyculati squamis lanceolato-Jjneanbus acutis, apice sphacclalis, doiso aruchnoidus, disco bievionbus ligulis late linoanbus achacmis glabernmis subcompicssis — Crescit in Chile et Diasilia
- 46 S ASPERICAULIS Remy 1 cil pag 174 -f — Oasi suffruticulosus glabernmus ramosissimus caulibus basi cicatneosis ramis inferne dense foliosis, apice in pedunculum monocphnlum pioductis nudis folus oblongo-spathulalis obtusis plams, apiccm veisus 3—5—7-dentatis I uius intcgemmis. involucu campanulati basi bracteis ^—5 slipali squamis oblongo -limanbus acutis, disco bievionbus, ligulis 7—10 breviusculis aclnenus slrialis glabernmis — Crescit in (bile
- 47 S PORTAIESIANUS Remy 1 cu pig 175 f — Suffrulosus ramosissimus caule basi radicante cicatncoso, iamia bievibus dense foliosis, apice nudis monocphalis, folus spathulalis obtusis, aj>ice cionalo dentali[^]ihlus arachnoidco-tonientosis, supra glabratis pedunculi lanati demum t>labit*>cen(TS biacclis subulatis involucu caljculati campanulali squamis circitr 20 lmeanbus aculis arachnoideis, demum glabratis, disco vix bievionbus ligulis 10—13, liruanbus, achucmis margine coronante deslilulis cjlindraccis costaiis, tenuissime hiellelo-papillosis — Crescit n Chile
- 48 S ANTIEMIDIPULLUS Remy I cil pag 177 + — Fruticulosus glaber ramis gracilibus, folus bipmmtipai tilts, ilinchi lobisque lineanbus plains obtusiusculis capitulis longiuscule pedunculatis paucis podunculis dicholome divisis, nudis vel umbracleolatis, involutu ovalo-oblongi colytul iti squamis cuciter 10 —12 aculis, margme scanosis, dorso parce lmulissimecque glaudulosis, disco bievionbus, ligulis circiter 5; achacmis hispidiusculis, demum glabns — Crescit in Chlensi piovincia de Coquimbo
- 49 S hRUC\LFORMIS Remy 1 cil pag 180 — Fruticosus? glabernmus ramis slriato-subnngulatis longis, folus iimbiiu obovalibus sessilibus pinnatisecclis, lhacln lobisque lineflnbus plains, piofuiule lcmdilo-Jobdtis obtusmsculis, capiulis pautis subcongeslocorymbosis involucu campanuloti basi bractcolali squamis |Z—15, apice uslulalis disco bicMonbus ligulis 5—6, achacmis glabns — Crescit in (bile
- 50 S ARISTIANUS Remy 1 c 181 f — Fruticosus arachnoidco - lomenlosus, demum glabrescens loins bipmmtisectis ciassis, lobis oblusis, marginibus subdefloxis, colymbo composiio laxo paucicapitalo involucu late campanulati caljculau squamis cuciter 20 aculis arachnoideis, demum subghbiatis, discum subacquantibus, calyculi foliolis bievibus ligulis late lineanbus longis patulis, circiler 1-2, achacmis glabns — Crescit in pro\ncia Chilensi Coquimbo.
- 51 S JACOBhAEFORMIS Remy 1 cit pag 182 f — Basi fruticosus? nrachnoideo-tomenlosus, demum glabrescons lamis cylindratis stnalis folus disianlibus sessilibus aunculato - semiamplczicaulibus pinnatiseciis, lobis late oblongo - lmeanibus acutis grosse inciso-dentatis vel submtcgns, subtus aiachnoideis, corjmbio laxissimo composito oligocephalo, involucn calyculali campanulali squamis circitr 20. aculis glabratis, disco bievionbus, calyculi foliolis subslaccis, ligulis circilei 13 palulis achacnus glabns — Crescit in Chile
- 52, S CERDEROANUS Remy 1 cil. pag 185 f — Basi fruticulosus lamis involucroque unionibus pilis aniculntis albescens, demum glabus, folus infenonbus in petiolum

- attentions, caecris sessilibus aunculatis pinnatisectis plains, lobis late lineanbus obtusis, inogn? vel lobnto-incisis cor\mbis compositis oligocephahs, involncri suhcal}-culdU lalo tampanulalii squamis circiler X) acummalis, discum aequandbus Iigulis urciter 13 patulis, lalo lmeinbus, achacnjis glabns —v.Crescil in locis manlimis provinciarum Ghilensium Valparaiso, Concon etc
- 53 & BRACTEOSUS Remy I cit pag 189 f — Fruticosus arachnoideus, dcniira gla-brains folus late oblongo-linednbus sessilibus, basi subaunculatis lobato - dentatis, lobis o\alibus latis brevibus crcnulatis capitulis pedunculatis Iatiusculi* in corvmbum composjium digestis, pedunculis mullibracteatis bracteis longis inguste lineanbus, involncri cal)ctilati late campanula squamis lincan - acuti*, discum atquaniibus, dorso subhispidio - glandulosis, Iigulis cuciler 20 magnis, achdenus pubcrulis — Crescil in Chilc
- 54 S ARLrGUFAMJS Remy I cit pag 190 + — Fruiculosus, lotus hirtollo-ghndulosus ramis cylindratis stnalis subdense foliosis, apicenudis, mono — oligocephahs, folus oblongo - lineanbus sessilibus, supeine grosse dentalo -lobdtis, bo si integris, margmibus sublus deflexis pedunculis absoluta evolutione elongatis, foliolis lineanbus acutis integernmisque biactcalis. involucn ecalyculati campanulati squamis lineanbus acutis discum aeqaanubus, Iigulis circiter 7—8, disco vix longionbus, achaenns glabns — fiosut in moniibus de Guanta piovinciae Chilensis Coquimbo
- 55 S RIVULARIS Rein v 1 cil pag 191 f — Frulescens glaber ramis valde elongatis cylindiatis stnalis folus distantibu* adpressis sessilibus oblongo-lineanbus, basi subaurius, piofunde acuteque dcntmls, denlibus mtogns vel paucidenticulatis rigidis, cor\mbis laxis oligocepbalis, mvolucn taljculati campanulato - c)lmdrati squamis circiter 13 lineanbus aculis, marginc scanosis, discum acqunniibus Iigulis 8—10 angusie lineanbus achacnus glabns — (icstil in alus Chilcnšibus moniibus de Ovallo.
- 50 S AMPLUS Itemy 1 cil pag 195 f— Ilcrbaceus arachnoideus ramis valds slnatis, folus supcioiibus sessilibus* late oblongo - rbombcis acuminatis, macqualilor grosse denlaio-serratis, sublus arachnoidco-mcanis capitulis grossis confeUo-subcapilaiis, in corjmbum cymosum digestis irnolucu cahculaii late rampanulati squamis 25—30 acutis, discum acquantibus glabratis Iigulis circiloi 20 patulis, achaenns slnalis glabns — Cioscit in Chile
- 5? S. CULCITIUM Rcniv I cit pag 200 f — Ilcrbaceus, dense incano-lanatus ramis ctlmdralis sinato-subsulcatis loins oblongis acutis, basi allennialis, inargino denticulate subinlegeriiniisvc, utnque incnno -lanntis, capnulis 4—5'amplis, giosse piduncURUS, involucn uiljculali taiupanulali si\uamib \i\nceohus aculis, donsc cano-lan&ns, discum acquantibus Iigulis urciler 20 achaenns stualis hispidulis — Cresul in Chile
- ^ S HICRACIUM Remy 1 cit pag 202 t — Hcibncouh glabemraus cnule simplici glauco laevi cylindiilo loins tadicalibus obovalibus petiolalis, infenonbus oblongo-lnceolati», in petiolum atlcnuialis subacutis, remote denticulatis inlegnsve, supenonbus sessilibus oblongis acuminatis, ad basin lobalis, medium versus paucideqtatis, apicc inlogcinmis capitulis paucis pedunculalis subcorjmbosis, involucn campanula, basi bratleali squamis circiler 20 oblongo -lineanbus acurainotis, margmo mem-branaceis, disco biev,ioiibus Iigulis circitei 15 anguslis. achaenns parcissime lurtellis — Cicscit in Chile
- ^ S ENCLLIA Remy 1 c 204 f — Herbaceus? glabernmus caulo erecto simplici. folus oblongis sessilibus obtusis mucionulatis mtegoimnis planis innerviis, ad apiccm d'slantionbus, capitulis leimm.ililnis pedicellatis paucis subcorymbosu*, involucn campanulali basi biactcolali squamis oblongo -lineanbus 10—12 subaculis, disco brevionbus, saepc apice sphaclaus Iigulis 8—10 oblongo-lineanbus, achaenns glaberninis — Crescil in Chilo
- *** & COLUMBARIA Remy 1 cit pag 208 f — Hcibaceus glabcmms rhizomale toruoso, caule basi ascendente gracili simplicissimo, in pedunculum longissimum mono-

cephalum producto foliis inflmis obovali-spathulalo-cuneatis petiolatis Obtusis crenaus, caetris inferionbus pinnati&ectis lobis ovalibus lineanbusve •integns vel subincisis supenonbus paucis bracteiformibus involuicii calyculati campanulaii squamis lanceo-latis acutis subpurpurascensibus disco brevionbus ligulis circiter 10 discum supe-rantibus ichaenus cosiulatis glabernmis — Chile

XIII *Brasihenses* DC 1 c 418 — Wlprs Repert VI 271

- 61 **TRIXOIDPS** Gardn in Hook Lond Journ of bot MI 421 — Fiuticosus glaber-nmus cnule erecto angulnio «d opicem pamcul ito-ramoso folioso foliis aliernis pelio hiis lineau-oblongis vel ovato ellipiicis ulnnque iculiusculis, apice cnlloto-mucio nalis inie_ociumis rcticulato - venosis veins utnnque piominulis corymbo coinposito polyctpbilo capitulis erectis discoideis quinqueflon* involucro oblongo pontapbyllo caljculalo iclnemis hispido villosis pappo corollam subaequantc — Fiutcx 4—6-pedalis Folia 1'A—2 poll lonⁿ 4¹_a—12 lin Iita Pedicelli bieves bracleali bracteo-lis lineaii -subulatis Involucn squamae disco ran 1 to breviores obtusae maigiue sca-nosne, ad a pice in ciliohtae 3 —3¹/₂ lin longae Fiosculi lulei Pappus sordide albi-dus — Crtscit in campis Cobertas prope Foimigas in Drasiliae prov Minos Geraes
- 62 **S IMBRICATUS** Gnidn 1 c — Fiuticosus glabernmus caule erecto ramoso ramis tcielibus stmtis dense foliosis loins nltcims subbessilibus linbiicalis lanccolato-vel elliplico-oblongis utunqui icutiussculis obscure tnplinerviis inlegernmis coruceis corvmba composito compirto pofyceplialo capitulis eiectis discoideis qumqucnoiiis involucro oblongo pentaplnllo calyculato ichaenus villosis pappo corolhin sub-noquante — Frulex inpednlis Folia 12—15 lin longi 4'A-⁵ lin lata obscure leti-cuhta Pedicelli 3 — 5 lin longi bracleolati bracleolis lineaii-subuhtib Involucn squamae disco subacquires lineares acuminatie, mtrgine scdiiosae, apicc pilosius culae 6 Im longae Fiosculi lutei Pappus sordide albidus — fiescit in distuctu adarmntium Brasiliae
- 63 **S GOY\I NSIS** Gardn 1 c — SufTruicosus glabeinmus ccule eiecto lamoso ramis subangulalis elongitis foliosis foliis dlclernis sessilibus lanccolalis subacumiiialis bisi longe atlenutiis margine revolulis calloso-seiralis pennivenus corymbo pnnicu-hlo laxo polycepbalo capitulis erectis discoideis 45-lions involucro U-phjllo cnlj-culato achacmis stnalis gldbns jnppo coiollam aquante — SufTiutex 3—5-pedalis Foln 3 poll longa 9 lin lata Pedicelli 4—8 lin longi, apicem versus biagiolati bractoolis linear)-subalalis Jnvolucn squamae disco paulo breviores, lineaiies acuaie, margine scanosae 4¹/₂ lin longae Fiosculi lulei Pappus albidus — Crescii in pro-vincia Uiasiliac Goyaz prope Villa de Nalividade
- 64 **S (JRANDIS** Gardn 1 c 422 → buffi ulicosus caule erecto rameso ramis angulatis subarddinoideis foliis altemis pptiolaiis inngnis ovato - oblongis aculis, basi coidatis pennivcmis, margine acute denticulatis supra glabuussculis, sublus cinereo-araneoso-tomentosis petiolis ahus panicuh magna pubeiuh capitulis pediccllatis erectis dis-coidcis 14-lloiiis invc4ucio 8-phjllo ciljculaio iclnemis acute qumquangulatis gla-bernmis pappo coiollam subaequinle — SufTrutex 6—10-pedalia Folia se&quipedalia, 5—6 poll HtA membranacea petioli 5 lin longi Pamcula sesquipedalis Pedicelli 3—4 lin longi bidcleolati bractcolls lincan lanceolatis acuminatis Involucn squamae disco bievioies lineares acutae 4 — 6-neivosae margine scanosae apice pilosae Fiosculi lulei Pappus albidus — Ciescit in prov Minas Geraes prope Conceicao
- 65 **S DUMI TORUM** Gardn I c — Herbaceus ciule erecto simplici sulcato emereo-araneoso-tomentoso basi folioso vcisus apicem longe subapliylo folii* altemis ses-silibus basi longe decurnntibus oblongis oblusis, grosse deniaais aut sinuato-denu-culatis utnnque dense cmeieo-aiachnoideo-tomentosis supiemis gndalim mmonbus pamcula polycepbala glabia, capitulis erectis radians 50—55 Hoi is. involucro campa-nulalo 12 —13-phylllo calyculato acliacruis hispidulis pappo coiollam aequante — Ilerba perenms 4—8-pedalis Folia 3—6 poll longa, 1—2¹/₂ poll lata Pedicelli 3—6

Im longi biacteoloti, bracteolis parvis setaceis Involucn squamae lanceolato-oblongae acutae, maigine late scanosae ciliolatae Flosculi lutei, radii 8 Jigulati Pappus sordide albidus — Crescit in montibus septentrionalibus districtus adamantium Brasiliae.

6 S CAMPORUM Gardn 1 c 423 — Heibaceus caule crasso erecto simplici sulcato aianeoso folioso, folus aJternis sessilibus, basi aunculatis linean - oblongis elongatis, apice obtusis mucronatis grosse smualo -denlatis, fere pmnatifldis, denlibus latis mucronatis, supra glabntftculis, subtiis lanuginoso - tomenlosis cineieis, corymbo cooiposito polycephalo capitulis pedicelhus conferlis erectis radians 9—10-fions ligulis 1—2, involucro 8-phjllo calyculato, achaenns glabns pappo corollam aequante — Heiba perennis bipedalis Folia b poll longa, l/a j>oll laia Pedicelli 3 bn longi tomentosi biacteolau, bracieolis lineanbus obtusis Involucn squamae disco multo breviores linean-oblongae acutiusculne glabussculae, maigine scanosae, apice pilosiusculae, 3 bn longae Flosculi lulei Pappus albidus — Ciescit in parte septentrionali districtus adamantium Biasilne

XVI *Boreali-Ameicam* DC 1. c. 431. — WJprs. J. c. II. 660 *)

- 6? S MULTILOBATUS Torr \$ Gray, Plant Fendler 109 adn — Annuus seu biennis, cilissime glaber pedalis multicaulis caulibus simplicibus apice corymbifens, folus subcarnosis. pninaius subspatbulatis saepe mdivisis, sequentibus omnibus pinnatQ-9 — 21-partitis, uifenor^bus longe peliolalis, suranais sesstlibus, basi vix aut ne vix quidem auuculatis, segmentjs cuneato-objongis, apice inciso-dentlQtis vel 2—3-lobatis, coiymbo denso polycephalo, involucio fere ecahculalo 12—14-pbyllo ligulis 0—6 oblongis, fl. disci 20—30, achaeniis stngoso-pubarulentis — p. Coins infenonbus magis interrupte pmnali^ectis, pinnis majonbus lobatis — J4abiit ui Ghliforma inl^enori.
- W S EURY(EPJUALUS Torr tt Giaj 1 c — Peienms? glabratus caule pedah ciasso simplici, folus sublyrato-pinnatipartitis, mfenarjbus longe puola,Us, summis «essilibus segmentis 7—11 oblongis cuneotisve, apice incisus grosse et aigute dentalis, infimis parvis, superlonbus sensim majonbus confluentibus, capuulis magnis 7—9 in corymbum laxum digestis longe pedunculatis involucro late campanulas parce calyculato circiter 24-phylo mviltifloio. ligulis 10—12 elongatis, achaeniis glabemmis — California.
- ^ S FENDLERI A Giaj, Plant Fendl 108 no 444 — Perennis iloscoso-mcnnus, demum glabratus caule folioso erecto pedali corymboso-ramoso, folus oblongis omnibus pmnatifldis, supra glabraiis, infenonbus in petiolum oudum attenuatis, summis sessilibus<haud amplexicaulibus, segments 11 — 21 contertis oblongis obtusissimis plensque inciso-dentalis seu 2—4-lobatis, corjmbis composilis polycephalis involucro campanulato fere ecaljculato 12-phylo multifloro, ligulis 7—8 oblongis disco duplo longionbus, achaenus glabei nmis — Grescit in Nova Mexico.
- ^o S AMPULLACUS Hook in Boston jouin V. 250 — Annuus vel biennis caule erecto flstuloso stxiato, superne ramoso, folus infenonbus obovato-spaihulaiis in petiolum decurrentibus, supenonbus ovato-lanceolatis acuus, basi subcordaia semiamplexicauhbus, omnibus suhintegns vel deouculatis, cyma corymbose, pedicellis apice deraum incrasatis, involucro sqjuamis setaceis paucis caljculaio, jradus 7—9, achaeniis strlgoso-canescenubus
- a. Caule (bliiaque angusuonbus subintegemmia glabns
- 0 Caule folusque jumonbus cano - floccosis — In republica Texensi

f loon addenda.

- ^b CORYMBOSUS Wall — (DC 1 c 364 no 122 — Wlprs Annal I 427) — Wght Spicil. Neilgherr. II tab 115.

uo *) In Repertom Tomo II species nonnuUae Boreali-Amencanae (v c no. 22. 37. 39. ^ 59 60) casu inlortuno inter Austrah - Amcncunas enuuieraalur

2817 *IVOTOHTIA DC*

(DC Prodr VI 441)

- 1 N. ABYSSINNA A Hieb Tenl fl Abvss I 444 lab, 59 — r̄fjlabra caule eiecto bipedali el ul'ra, subraii}O'>o tereti fohis alteims caulims scssilibus ellipuco-lanceolatis dtutis bam censim anguslailis margine obsolete dentailis subcornosis glabris 3 — 4 uncias longi*. 10—li Imeas lalis capitulis pidunculaus paucis subcoi jrnbois involucln simplicis loliolis huceoluis acuiissiiis erectis margme tenuionbus glabns, floribus uuniciobi-ssimis uimiibus tubuloso-5-llidis. involucrum viv superantibus, stigmatibus conoidt is niliaemis angulato-sliatis glabns pappi mulliseiiali setis denticulalis — In Abyssinn

2819 *EURIOPS Cass.*

(DC Prodi VI 443 — Wlprs Repert VI 272)

- 1 FU IMMFOI IIS A Rich Tent II Abjss I 444 lab 60 — Caule erecto fruiessente runoso i tiijs terctibus glabus undjqc folus teclis folns valde approxiinatis numerosissimis lineabus camosis sublcieiibus, apice ohm sis glabns, 6 — 12 lineas longis, vix linem lalis pedunculis monocephalis jxilliinbus solitjrus, folio tuplo longionbus, involucln cuii>anulato-explanali squamis ellipticis aculis fere usque ad medium coalids recoptaculo convexo alveolalo ligulis tncilei 10 involucro tuplo longionbus, flosculis involucrum aequantibus pappi sessilis btevis setis barbellatis, achaenns subangulatis — In Abjssinia provincia Ouodgerale

Tnbus V *CYNAREAE Less — DC. Prodr. VI 449.*Subtubus 1. *LALENDVLACEAE DC. 1. c 451*2822. *CAIIEHTDUIIA Neck.*

(DC Piodr. VI 451 ft VII 302 -Wlprs Rcepit II 665 VI 273)

1. C GARILNMB Uoiss Diagnos plant orient no\ X p 82 f— Annual minute glndulosa, caecrum gl ibitsiens caulibus clans stride ramosis acute strums foliis oblongolanttolatis obtuse mucionulalis, basi subaltcnuulo lotumlata brevitei dcurrentibus, unitis anguste liniaubus setaceo-acuiunntis capitulis magnis, involucln brevissime puberuJi plijllis -m^iutissime cliiptiLo-lanceohlis acuminalis ligulis pallide citnnis, involucro 2'A-P*⁰ longionbus disco concolon achaenns omnibus cymbiformilei cui vans. Lxtciioiibus mcmbiana teneia Integra plana, semme lalion utrmque maiginatis, dor so tubeiculatis intus carmatis apice in cornu non productis, intenonbus cylindricis semicircularibus. doiso tubeiculalis, inlus lacvibus — Crescit in Cana
- 2 C LUSITANK A Boiss 1 c 83 f—Peiennis? supeine parce glandulo»o-viscidula, caeterum glabn lainis abbitvialis foliosis parce ramosis folns ovatis rotundalis obtusissimis integns vel denticulis punctiformibus parce obsius, infeiiioiibus in petiolumbrevem basi conuaculis supenoribus sessilibus auuculato-amplexicaulibus, capitulis nidgnis, involucln brevitei papilloso phyllis lanceolatis aculis, ligulis cilunis involucro plus duplo longionbus. disco concolon, acbaeniis - ?— (resell in petroşis pi ope Cntra Lusitamae

«* C PALALSTINA Boiss 1. c. f — Annuā scabendo-\isciduln n basi romosissima ramis cicclib fuliis hnceolalis vol oblongo-lanceohtis aculis*, maigine obsolete undulatis, mfeionbus basi subatlenualis caetcris basi suliquncultis, sicpe brevissime decurrentibus cipitilismunitis ligulis sulphureis? in\olucio papilloso viscidulo duplo longiouibus achaenus maiginalibus <OO> spinulosis mcmbiaua rccia profunde ciislato-dentilin unnnquo marginalia, o\ati&, rosio iccto us duplo longion supcialiis, intoimedus cynlnforniibus inflaiis subiotundis, dorso pane spinulosis, ml us cm ma alneformi au-
cū> inimus annulanbub, dorso subbistriulilci spinulosis cactciuin lioubus — Ciescit in (Icclnibus inter Jerusalem el Jcncho, m monte duincln

J%UB&RTI% Spach (ncc Cutllun)

(Spach in Jaiib ft Spach, Illusliat phnl onentalium HI 131 lab -28'J,

Calalhulia 10—15-ilora hitrogama liomocarpa, bievissime radiata, ttoies radii 5—10 uniscnales ligulati iocminei fuites, floics disci lloiihus udialibus pauuoies (3—5[^], minimi legulares, imperfece hermaphrodili (pislillo rudimentauo). stencles Anthodium cnmpanulatum polxppli[^]llum cccilyculalum inacciescens, flores subacquans, squamae subquadiJSCIjales irnbuicalac (ab cxliuus bicvibus ad julima[^] giadalim •ongiores) cailila[^]incac submunbunauo - mai[^]inalao subconcavae ecannatae mulicac, mai[^]inc lanato-funbiolatac. Rocc placuluin par[^]ulum planum glabrum, in ambilu alvcolatum et squamosum, disco nudo obsolete aicolatum, squamae unisenales, flonbus ladiahbus niter-Posilae cartilaginae planiusculac slipitulalae oblongtie obtusae, antbodio subloimores, apice subfimbrolntae. Jlores disci Corolli minima sub^Jnfundibulans, lubo (sensu stiiclion) breMSSimo lilifoimi, Jimbo tubuloso-^obconico qumquedenlalo Slamnn quinquc, summo tubo coiollae "iscrla, bieviter cxscrta. I ilamentd alle monadolpha' glabcmmd capil^{ai}>a Anlherae libciac' connivenle[^] snblineares ecaudalac, app< ndice ^JPicali cailili.[^]inca bie\i deltoidea acula O[^]aJllm mmimuni colum^{na} e tores calvum c\ovulalum, cum coiolla maicescciib, mauine annulari subinciassalo coronatum, [^]land'ila minima concava lunbomilalnm Stylus bre\c ex[^]cilus capillaus [^]hbcinmus, apice subincrassalus Shⁿ-^Jnata duo bicxissima conica acutiuscula conncnlia, rtoiso con\e\o Papilloso-pubciula, fatic plana glabra Hans iadn Coiolla minima, ^{lu}bus capillans clongalus, posiicc in li[^]uluni pioductns Jncvissimam ^sub(uncifoimcm apice modo inlescimnun lodundalam vel liuncatarn ^{Jj}iodo bi- vel lilobulatam, anlice appendicuh bic\issima ob>tusa Jigulac ^oPposila auctus. Stamina nulla. Ovanum columnarc, reclum ciassum ^tutjuscum cioslre ccostatatum, doiso larvi[^]inhim, [^]cnl[^]c ccliinnlm ^Jrsi m stipitem bio (in ciassum allractum, apice Immedialnn in paj-^Jnuu niaiunalam expan^{um}. O\ulnm stiuciuia oidims Stylu*? capillans ^Jlibcinnmus txsdtus Stigmata duo biovia ovaha obhisa lacM[^]ala ^Jlabcinnun J)lino-con\c\T, inacqualia (anlicum poslico subbitMiis et ^{cl}ulci dinndio anⁿiislius) dtinum iccui\ t Pappus duplex biluimis. [^]ppus cxleioi linnccljtiljin ex ovani marine oiLus incgulaus pci-^{Sh}[»]tens acciebcens, dtraium carlilagmeus et quasi iin^rcnli-bilabialus, f^oni>tani, ntnipe c squamib duabub opposjlis anibomelns («rju inn altcia ^ou8ioie J)oshci, sub antbcbi subciccla, penndo delhxa, adiatnio ma-^{lll}o saipmsiiiK aeqmlongi vel subloji[^]ion allcia bi< viou mlica, in ^{<K}ncino cicda M\ iclhxa) o\ato-vel oblon[^]o-lanc coldly planiusculib, ^{Mj}diqin \(.| s ill* m s< (us in u-incs spnnihs [^]kuludialis « clnnnhs, bdbilijis

subconnatis. Pappus interior subcentralis, 7—10-sctulosus inaccrescens caducus, pappo exteriori demum plus triplo brevior, sctulis linearifiliformibus albidis uniserialibus flexuosis inaequalibus complanatis, apice tricuspidulatis, caelcrum integerrimis. Acliacnia uniserialia, stellalim crecto-patenlia, tarde decidua, longe e\scrta uniformia coriacea ccostala, irregulariter slnata teretiuscula subcolumnaria erostria, magis minusve retrorsum arcuata, apice pappo exteriorc accreto concolorc quasi ringentia, basi in stipitcm brevem vix tenuiorem angustata, dorso lacvigata, ventre echinata (spinulis ejusdem indolis ac in pappi externi squamis, at robustioribus). Areola basilaris minuta centralis. Semen adhacrens subfiliforme elongatum, achaehio conformiter curvatum, integumento membranaceo. Embryo cotyledonibus lineari-filiformibus, radícula tereti subduplo longioribus. — * Planta pusilla annua dichotomopaniculata, ab ima basi ramosa, juvenilis tomento floccoso vel subaraclmoideo de/ersibili *mox* evanido conspersa, adulta glaberrima. Caulcs ejusque ramificationes subancipites foliati, demum rigidi et listulosi, secus internodiorum apicem subincrassati. Folia subcarnosa planiuscula integerrima uninervia avenia elongato-linearia mutica, omnia sessilia exauriculata, infima subconferta, reliqua ad nodulos et ad ultimorum ramulorum apicem opposita, superiora gradatim minora. Galathidia sessilia solitaria, alia alaria (infima plerumque radicalia vel subradicalia), alia ramulos ultimos excepto apice aphyllis terminantia, pauca interdum ramulorum abortu lateralialia. Ramulorum et calatliidiorum evolutio regulariler a basi sursum propredions. Flores albidii minimi. — (icnus cximie anomalum, cujus arciiiores afiinitates ullerius forsán inqiiirondac.

1. 'J. KÖLPINOIDES Spach 1. c. 132. t. 289. f — *Kolpinia scssilis* Uoiss. *Diflgn. pi. nov. orient.* XI. 34. — In Media Sc Hyrkania.

2829/2. SCHIVITTSIPAHliria C. II. Schultz (Dip.)

(WJpra. Repert. VI. 276.)

1. 'SCLJN. SCHIMPERI G. II. Schultz (Dip.) — Wlprs. Repert. VI. 276. no. 2. - *Ubiaca Schimperii* Gay mss. ex A. Rich. Tent. fl. Abyss. I. 447.

Subtribus II. ARCTOTIDEAE Cass. — DC. 1. c. 484.

2830. A R C T O T I S *Grlnr.*

(DC. Prodr. VI. 484. - Wlprs. Repert. VI. 276.)

1. A. PYGMAEA A. Rich. Tent. fl. Abyss. I. 448. - Vix uncialis: foliis oblongis angustioruncinalo-pinnatifidis, basi in pciolum brevem attenuatis, apice obtusis aut subacutifrt suporne grisco-ct denge pubemibus, subtus nlbido-tomentosis; capitulis parvulis breviter pedunculatis solilariis, folia non aequantibus; involucri squamis externis foliaceis lanceolatis, pubenti-tomentosis; tubo flosculorum pilis longissimis gossypinis intricalis quasi velato; achaeniis compresso-subiriqueiris subalalis, alis deniiculatis; papp⁰ squamulis 8 oblongis pellucidis basi attenuatis dissecto-dentatis constant! — In Abf¹ siniae prov. Ouodgerate.

2840 CUI<LiOII% R to

(DC Prodr VI 497, — Wlprs. Recept. VI 278)

- ¹ I ADPHESSIFOLIA Sonder, Linnaea XXIII 69 f — Ramis glabus, folns eicctis ad-
pi cctis» subulalis spinoso-mucronatis ciliatis, cilns latitudine folu tuplo bicviobus
mvolucn squamis ereclis adpressis, margine ciliolatis, omnibus colialis, inierionbus
Imcis 2 fuscis maculalis — la Promonlono bonae spei.

2845 GAXA1VIA Grtnr.

(DC. Prodr VI 598 — Wlprs Report II 666 VI 279)

- ¹ G PYGMAEA Sonder, Linnaea XXIII 69 f — Collo suffruticuloso multicipiti, folu*
omnibus radicalibus indivisis hncanbus subspaihulatis, in petiolum angustatis, supia
vindibus scabris, subtus (nervo excepto) cano-tomentosis. scapo solitano pilosiusculo
folus duplo bievioic, invplucro campanulato basi non miruso pubesconie, lobis tñse-
nafibitis ereclis, senc extenore JierLacoa lanceolate cjliaia tubum dimidium aequante,
mterioiibus coloraiis ovatis acuiis integernnis, tubo triplo brovionbus. — In Promon-
tono bonao spei (Magalisberg)

bubtubus III ECIIIS0PSWEAE Less. — DC. I. c. 522

2847. ECHISTOPS Linn.

(DC. Prodi VI. 522. — Wlprs Report. II 667 VI 279. Annal. 430)

- ¹ L. (*Terma?*) SYRIACUS Boiss Diapnos plant orient, nov. X p 84.f— Caulo sulcaio
simplicj 1-, ranus 2—3-cephalo lolioso, dense glanduloso-setuloso; folus supra dense
<H breviter glanduloso- slipitatis (^f), subtus ad nervos glandulosi, inter eos adpressc
cams Janceolatis pinnatipartiii, lacimis lanceolatis magis minusve lobntis lobisque in
spinis elongatas flavidas attenualis, supononbus sensim diminuiis, capiluhs mngnis,
setis albis basilanbus involucrum dimidium aequantibus, squamis ab inferioribus ad
ntimas sensim clongatis, mflmis apice parce viscidulis spatluilalo-dehoideis breviter
Qcummatis denticulalis, intimis ad medium usque concretis inaequalibus, alns margine
serrulaus subulalis, alns apice flmbnatis, pappi setis in cupulam usque ad apicem
concretis — Crescit in Syria ad rupes supra pagum Darkusch prope Orontem fluvium
st.um
- ² E (ilt/ro) CHAMAECEPHALUS Illochst. mss ex A Rich. Tent, il Abyss. I 448 —
Caulo 6—8 uncias alto, simplici aut brevissimo subnullo tereli, albido-tomentoso et
setis ngidis longis hispido, folns longe petiolatis, bipinnatisectis, lacimis lanceolatis
"P'ce spmosis, supcrne setoso-hispidis, sublus albido-lomentosis, peuolo commum
>>orvisquo valde piommulis setoso-bispidis, involucn squamis inaequalibus spaihulato-
ol>longis, basi anguslatis, apice acummatiss, acumine spinescente simplici aut diviso. ex-
l'crionibus in appendicem gracilem longam spinescentom. apice in spinulas subulatas
•naequales divisam desinentibus. achaenns oblongis obpyramidalis sciosis, pappo in-
a cubiter setoso brevi terminatis — In Abyssinia cuca Adoua
- ³ L. UliUo) GIGANTEUS A Rich 1. c 449 — Caulo oreao b—10—16 pedes alto ramoso,
rasuitem ciun» tumanac in parte infenoic aliquando acquauto, ramis tertibus floe-

coso-tomentosis sinaiis, in pane supcrion scloso-hispulis, fulus lanceolate macqualilci pinnalifldis, segmentis inciso-dentatis spinosis, sup erne soioso-hispidis, subtns albido-lomentosis, capituls compositis globosis fere en put liumanum acquanlibus nut inullo ininoiibus; capitulis paidalibus basi setis ngidis scabus quadiuplo bicvionbus cinctis, mvolurri squnniis cxlcinis spalhulalis fimbriialis, bnsi longe slipilalis, **JIUU**inediiblupo lon^ioiIHIS. apic e .dtenuatis tt fasciculo spinarum macqualiuni subulalaiuni icimmilis, dorso glabns **nilci niii** lancuolalis aculis subllml/i lalis achaeniis penlagoms valde soncois, pappo coioniformi, sclis ngidis bievibus, basi coalilis foimato. — Ilabial in Abjssinae prov. Scmicne

- 4 L (W1/100 L0.N6ISLTL5 A **Rich** 1 c 420 — Caulc credo 6—8 pedes allo leicti slualo, minis)ubc densa cl fcurugmca obtedis, loin* caulims pcliolalis olijplico- Jnnccol ilis inacqualitei pinnatilulis, lacirins basi late ncutis inci^o-dentally Aalde spinescentibus, supeine ghbiusculis, sublus cano-lomentosis, pcliolo in maiginibus stellalo-spinoso, spnus in caulc qu.ibi dccuiiemibus, unolucii pailinlib stlib lon^issimib squamas ferc acqinntibus niK ndbus scabciulis, squimis c\teiius longissimis clongato -subulatis, Inr-lib, apicc iniiuuli* pilot um spinoscentium biielelio-pluniosorum 2—3 supciposuis teimnatis, squami^ jnlcinis Innccolatis hulls, apicc laucnualo-dunliculalis biCMonbus. — In Abyssiniac pioy Choa
- 5) L {Hut«) LOINGII OIJUIS A **liich.** 1. c. 452 **ml.** **61.** — Caulo credo lamoso icicli striato llotcoso-tomentoso, folus caulmit sessilibus subamplcxicaulibus lincan-lanceolaiis acuii^siniu, basi coidato -**auculntis** 6—12 unrias longis, 6—8 lineas lati^ maigino dupliLato-scnaais, soialuiis apice spinescentibus, superne glabiis, subtns albido - tom< mose, inaignc ic\olutis, irnolucn scle bre\ibus, squanns lanceolalis, apico subulalis **incluinils**, m.irginc dis^edo-dentalib ghbns, extcims scnsini bicvionbus acutis dissecto-dentais, basi in lubum brevioiem coalilis glnbns, achaoims penlagoms, pane supuiioi pilis ^elosis d(iisis oblcllis, cadenim subglabus, pnppl squainulis sclosis oblusis cilialis, ba^i nilci se subcoalitis. — In AJm&ima
- (i I . (lldio) IHLDUI [CIIIU Uoiss Dmgnos plant, oncnl. nov. X. p. 84 f — Caulc humili ciilpics^c canitccnii c^landuloso 1—3-cphalo, folie lanceolaus, tadicaibus numciosis, pdiolo bicM basi in vagm mi dense et lon^o spinoso-icctinalnni dilalno siirullis, caulinib bicvionbus, basi amrcuhtis, omnibus supia paicc arancosis glanduloseque virenlibus, sublusddisc aiancoso-tane pninalipailiis, iliathide alata, pnililionibus lanceolatis, foliuium Mifcuoiuin inlei se lemolib lobalib (lciMdo-spinosia, capitule magnis albidis, pcdiuculo nou glanduloso sufTults, sclis involucium dimiduun »ubaequantibu\$, squanns {,labiis, cxUnoubus setas non supciantibus, ajucc spalbulato-subdelloidcii biuviiti peciin.itis cannilis, in spiuulain abcunlibus, inlimis libcus i>ensim acunnnalis loiKMis, a basi limbiialis, Ilinbins sliictis, pippi stlis fere ad medium usque connaiis. — Crestil in aiidis bubinoiiosis Ljcomae inter Deyclich cl honiab
7. II (llthu') MAUIOCIIALTUS Loiss 1 c. &5 f — Caule sulcato lubcllo bieviter rubro-sctoso pi icicicaque glanduloso-biilo paicr lamoso, folns induincno setuloso-enspo gl mdiildio dense bulls Msiidis, uliinque sonlnle j,iiscis bipinnalipaililis, laci-iins icnuissinns line ui-subuhl s, id coslas spmaaque llavidas lenues feio icduclis, capilulo bdiluio ma^no, sous involucn squamas intiniaa supeiiantibus, squanns cxlc-uoulius ^clab non acquaniibus, .q>ice dclioideo-spathulais bieviei peclmato-cilialis abiupte jenniiiiittis, apn c \iscidule, inlei modus omnium floium AO! supciiorum in cornua \alida canaiicuhla alba (ipitulo duplo longiota abeunlibus, squanns intimis liberis linc.nibus oblusiiitruis, npicc limbunlim IKsis, pappi sclis. . >— CiCi.cH in dclli-\ibus calidis luilm \e mci San S_{ib}\ cl maic Moilimin
- 8] (flit'o') IOI \i IHVS lluss 1 c -j — Caulc tcui icnlmsf ulo aiatK oso-cino oj,lan-•liiloso inliiiiK folioso siipcinc 1-i iniiN 2 (cplialo, folns supia colluni cong-rslis. uliinq- < mis lancrolalis siibbipinn ilipaiini*, injiiaacaiilliis , k< inns an.usU¹ 1 UK (olato-^u-bul ins ad spinas (li\idas leuu<s kio irdudis COHILHIS, a lul/u m< dio ad liuju^ b<xi (iccciscenlibus foliis **cuilui**'''* <3>ptii0iibus pams ad spinain incliciic piniialaiu icduclis»

capitulis *mcihocnbus* *eu* paucis involucio multo *bi cvionbus*, squanns exici nis selas suptranlibus, npicc subspilliulatib Jon^iusculc acummaiis eiliatuhs, Intcimedus floiuin leic omnium m cornui cannliculaia subulata numci osissima /lonbus tnplo longiorn productis, intenoibus libens integemmis, c basi Junteolaia acerosa-subulalis, pappi **setis** . ' — Ciescit in Syna cnca Damascus et Tibcnailcin copiose

- 9 I (*Ultra*⁹) ADLXOGAULOS Boiss. 1 c 88 f — Caulo sulcalo simplici, glandule nioiubus alns scssilibus, nliis sclulis aculi ifonnibus mj>ic<cnlibus derive exasperalo Julii bipinnalipirtiiis, supia viipscenlibus bie\iici ffliiidiilo2>0-scabiuli», siibtus araicoso-canis paiuionibus icinooi^ aii&u>iib2>iuuc lanccolalo-lincaiibus, ad coslam fcic rehiLiis, in spinns luicas unucs bievcs ibeuniibus folns summit minus sub capitulo ad spiiKim lamosam rduclis-v sens copies]* involucium dimidiuin aequanlibus, squanM solas, aequanlibus glanti*. apicc spa ill ul ills, niaiQ^inc bicvissine denliculais, eliam uifciiiibu* longo altenunlo-subulalis, IntLiiaciliib subulalis in cornua floics aequantia vcl supciintia saepe piodus, intcnonbu^ ad 2/3 longilud. concretis, parte libra denticul ito-itiaiais, apicc inaoqualibus subulalis \tl oblusiusculis flmbuatis, pappi sens ad medium usque coalms — Liesut m Gjhlaea cl Sdiiiana cnca Naplouso copiose
- 10 C (*PsLctia*') HUSOM Boiss 1 c 86 f — Caule sulcalo simplici glabimsculo remoliusculc iolioso monoccpnllo, foil is tenons lanccolatis, basi attenuaWs, supia glabiesccnubus, sublus aianeoso-canesceniibus subinlcgns vel obsolete el iirregulariter repando-lobaiis acuminalis, acuiuno Jobisque bicvibus in spmas flaudas tenues magis miniib\c clongatas nbcunlibus, mfciiuibas basi autulalis, supenoubus pirvis ovaloliangulaiibus, capitulis majusculis albido-vireniibus, pedunculo paice cl uunuto glanduloso sulFultis, involucri setis paucis involucio dimidio bievionbus, squaniis exlenonbus solas paulo supeianlibus, apicc m^icantibus spaibulaio-dclioideis, m spinulant abcuntibus scabndis, maigmc bre\issime pcttialis, incimediarum una alterave socpo in cornu canaliculalum floics aequjn^ attenuai. i, iniimis ulna ³A lonD^iuidinis toncieli&, apico obuibiuculis brevitci *iUsis*, pappi *bUn*> ad basin fcic u>que libens. — Ciescit in dooms Arabics Acjjpu supcuons
- 11 E (*Ptectia*) CAINDIDUS Boiss I. c f — Gaulo dense folioso simplici monocephalo atlj)io.^o cano c glandulo<>o, foln^ scssilibus aunculalo-aiuplexicaulibub oblongo-lauccoJatjs, uliinquo *su/na* pallidius, sublus intmsius denso arancoso-tanii, piuralilobalis. facie infeiou piomiuulo ncivosis,, lubis triangulaiiibub in spinas 1—2 Jlasnlas us paulo bit\ioie& abounhbus capiulis* albidis bievitu pedunculatis, involutu bdis involucio Uiplo brevionbus. squamis CYlcnonbus selas aiquaiibus, a basi icnui {,labtirna sensun dilaiiaus, apicc spaibulaus mutiny vcl spinulobis, paicc lanal!>, inleimedialum una alicrave in spinam subulal\m iiiiicnonbub lon,^iutcm llosculos aequanicm saepe auenuala , intimis ullia medium concretis lincaiibus acuis> glabeinmis, pappi sens fere ad basin usque liben* fimbriolaib — Ciescit m monte f Ibius piopo **Deibend** in Pcisia
- 12 L (*Pwelia*) CRLTICUS Bois.s. ft Ifcldr. 1 c 87 f — Caule sulcalo, a basi romosa **tota** longiludine folioso paico el bicMssimo sciuloso vi^cido, folns supia glabns seuiloso-viscidis, sublus ad ntivoi* *iscidis*, *cactcium adpiotso cams* lanceolalis pinnau-pauuis, ibacliide laia parlilionibus JinccaJuis pio/unde pinnalilobalis, lobis in ^juims **bievcs** abouniibus capiulu* nngnis selis involucio luplo bievionbus, squ inns gl ibm >> mfciiuibas ad inlnnas scn>im clonfe Uis, c\iciniij) spHliulato-delloidus, acuminalis. **denticul** III., iniimis id iikdnun usqm toncielis in icqualibus lanccolalo-subulalis vcl, **apicc** ilmbualib. selis pappi a IMM libciis — L <i tosm pi ticl non DG — LicseH, "> 5>uosij> maulimis Ciilao ad Mauomola pi ope Kis>anio&
- 13 ! *fl/ic(ui)* CHIKOPIIIONUS Bois& It f — Taulc mfei ne glihi Ls.it nil, supcino cano n1' « suit ito dense folioso simplici III>MOCC>I ilo iolny bipinmiipiiuiis, laemns arele |oi\oluii<> suliuil ins Ion issimis | in J-i> SM| ii fhlnis suliiis uD^iisiissiiiu Lims.iu-1<.'iuiibu ptiolo UILLI ullulii , UJ t iuuilm i IIIII, I ij UIIIIIII subi.esj>ile niitt," **huu** M(uanliJjus siipi iililiu \i Ui> (liniiliuiii iiMulueium acqu uilibujj lasueu-

lalis s»quimis exierioubus solas acquaniibus apico spailiuhus maigine hnatuhs cie-
tcium fflabns oxliuus raulicis cioicii!> dpltoulci* acutiussculis inici modus subuhtis.
florum supenorum saepe in spims tencus floubus duplo longioic* mfcnoium flores
aequantcs produclis intimis id $\frac{3}{3}$ loiigitudinis inter sc coalilis apice lincanbus acu-
tiusculis flssis pappi setis ad basin usque libens — Cicscit in Syria

- (4 E (*Pseclia*) LASIOCLINIUS Iioiss I c 89 — Caule simplici vix sulcalo adpressc
cancscenti selulis rubellis tuberculosis paucissimis consperso eglanduloso, folus supra
parcc arancosis gnseis subtus adpressc cams hnceolatis bipinnaliparlilis pai tniombus
lacinusque lanceolatis in spinas flavidas abcutibus capilulis magnis receptaculo se-
tis albis persistentibus us floscolorum similibus, praeter apiccm nudum dense piloso
setis mvolucrum dimidium acquanlibus mvolucn squamis extenonbus sens acquilon-
gis apice spathulalo-dcltoideis abrupte acuminatis, margine cilialulis inte/medus sal-
tern florum supenorum in cornua cinaliculata flosculis 2— $2\frac{1}{2}$ - plo longiora productis
intimis media parte concictis ha si et supeine libens inaequnlibus, alus subulatis ilns
obiussculis, omnibus scirulalo-flmbuatis pappi sens a basi libens — Crscit in
Coclesjna circa Dalbeck.

**Sect IV. ACANTHOLEPIS Jaub. a Spach Illust. plant, orient III. 99.
tab. 273.**

(*Acantholepts* DC Prodr VI 527)

**Flores (calathidia uniflora auctorum recentiorum) in capitula sub-
hemisphaenca sessilia l[^]olucro duplici (utroque ascendente) cmcta
aggregate omnes subverticales Receptaculum hemisphaencum parvum
Imolucrum extenus unisenale fohaccum, flores superans. Involucrum
mtenus subbisenale breve, constans e squamis cartilagineis pectinato-
fimbntis in ans(am desinentibus. — Plantae annuae, magis minusve
lanugmosae. Folia (saltern supenora et involucraha) intra marginem
subtus reflexum apiceque spmulosa, integernma, flons involucelluni
propnum lanugine densissima mtertexta alba, e setis plunspriahbus
copiosis longe plumoso-fimbntis (setuhs ipsis sub lente serrulatis)
flexuosis subacrescentibus constanter obvallatum, squamae setoso-
fimbntatae, apice (saltern pleraeque) longe anstatae, dorso lanugine
elon[^]ata densissima mtertexta (sub lente serrulata) flexuosa undi-
que mdutae. Corollae minimae, mvolucelh arislis magis minusve
supeiatae**

- 15 E ACANTHOI FPIS Jaub a Spach 1 cit 99 lib 273 — Involucn interions squamae
Jinean-vcl lanceolato-spaihulatae Involucellorum squamae arista dimidio plusvolon-
giores, extimac et intimae muticac Receptaculum monformi-tuberculatum Floros
mvolucelh subaequilongi Pippus constans c paleohs circiter 30, sublineanbus flrabno-
lilis iini basi connalis Achaemum obovalo-oblongum vel subfusiforme lonliculan-
u>mpres<um ccosl uum estriatum — *Acantholepts onentahs* Lssng — DC Prodr VI
527 (ex p) — UibHat in Armenia Rossica

- id h OLIVIERI Jaub fr Spach 1 cit 99 ft 101 + lab 274 — Involucn mtenoris squa-
mae lanceolatae vcl lanceohto-oblongie Involucellorum squamae omnes anstatae,
j>lraequ6 dnsta vix longiores Receptaculum longjtudinaliter cai inato- costatum. Flo-
ics mvoliicelloium anstis longo superati Pappus consnhs o paleolis 25—30, subova-
tis vel oblongis inaequalibus flmbuaiis, a basi id Icro V» usque connalis (Achae-
njuin niatnum defuit) — *Acantholipis onctah** DC 1 c (tx p) — Habitat in Me-
sopotamia

Subtribus VI. *CARLINEAE* Cass. — DC. Prodr. VI. 531.

2853. *SAIJSSUREA* DC.

(DC. Prodr. VI. 531. — Wlprs. Repert. II. 668. VI. 282.)

1. *S. KARELINII* StcebhSew, Bulletin de la soci^e* imp. des naturalises de Moacou. 1848. III. p. 244. t — Perennis- glaberrima: caule simplicissirao, dense folioso; foliis oblongis obtusis vel oblongo - lanceolatis aculiusculis, grosse dentalis, inferioribus basi attenuatis, mediis sessilibus decurrenibus, summis abrupte in bracteas numerosas pluriseriales, Iongo et acute dentatas, albido-subraembranaceas, corymbum contractum poly - (10—20 -) cephalum excedens eumque includentes abcontibus. Involucri multi -(3 — 4-) serialis squamis lanceolatis, margine nigrescentibus ciliatis, apice villosobarbais. — Gaulis 8—16-pollicaris, in speciminibus vegetioribus crassitie digitem majorem excedens, succo aquoso repletus, collum stuposum; folia 45 pollices loDga, $4\frac{1}{a}$ —2 poll. lata. in speciminibus majoribus oblonga oblusa, in minoribus oblongo-lanceolata aculiuscula, omnia argute dentata, margine glanduloso-ciliata, inferiora basi magis minusve attenuate, superiora sessitia, omnia subamplexicaulia breviter decurrentia, summa (bracteae) ovata vel ovalo-oblonga, longitudine fere caulinarum, albido-subincmbMmacea, reticulato-nervosa, margine grosse dentata, concave, sub corymbo polycephalo sat dense congesta. Pappi biserialis series interna plumosa longitudine fere corollae sordide lijacinae. Stylus superne sub stigmatibus nodoso-incrassatus, ad nodum penicillatus; antherarum caudae Iongo ciliatae. Staminum filamenta glabra esse videntur » non papillosa (Kar. & Kiril.) Tota planta, praesertim capitula odorem nauseosum ingralum spargunt. — *Haplotaxis involucrata* Kar. fit Kiril. — Wlprs. Repert. II. 669. no. 2. — Ad fontes fluminis Sarchan.

2859. *CARUHTA* Tonrnef.

(DC. Prodr. VI. 545. — Wlprs. Repert. VI. 283.)

- * *C. (Mitina) LIBANOTICA* Boiss. Diagn. orient, nov. X. p. 95. f — Parce lanata, florifera glabrescens: caule bumili, superne divaricatim 1—3-cephalo; pedunculis brevibus apice incrassatis; foliis rigidissimis reticulato-nervosis sessilibus ampleiicaulibus lanceolatis canaliculato-plicatis pinnatilobalis, inter spinas margine denticulatis, lobis angustis flavido-spinosis; capitulis magnis; involucri squamis exterioribus sujfra basin ovatam duram enervem contractis, dein dilatatis in appendicem foliaceam glabram oblongo-lanceolatam paiulo-incurvam longe acuminatam, marginibus et apice spinosam, squamis intimis duplo longiorem foliis similem, squamis intermediis supra basin gibbam lineari-subulatis lana alba araneosa densa conjunctis brevibus, intimis longioribus sulphureis linearibus acutis integerrimis radiantibus. — Crescit in regione inter* media Libani circa Deir el Kammar, Abeih et in Coelesyria.

2860. *ATRACTTMS* Linn.

(DC. Prodr. VI. 549.)

- X. A. (*Spadactis*) *PROLIFERA* Boiss. Diogn. plant, orient, nov. X. p. 96. f — Annuua, tola adpresse araneoso - canescens, a collo radialim ramosa capituluinque centrale sessile
C lens: ramis prostratis tenuibus simplicibus dichoiomisqic; capitulis terminalibus

inlquo in dioliotomns breviter peduncuhiis folus ndicalibus ramcisque anguste
 lircit i>U9 MX ngidis minulo denticuhto- spmulusis plicilis busi atlenmtis ocutis su-
 picnus opitula involucrantibus caque supci inlibus involucro duplici flonbus adpres&o,
 involucn extouois sqinnus pmcib n_oidulis linean -subuhtis pinnaliflido-spnulosis
 Jtnolucium inlcnus silnequinlibu* involucn intenoib | hllis puce et adpiesse aia-
 necosis icncns phnis mucione set icco incimi ni^ntinli lummitis ab itifcnoribus
 o) i> il iniiuis lintiohio-linenips sen Mm clon_onti> flonbus exlcionbus |aldr ri
 di inil us | in| inois oblongis liuncilis qiiinquedenniis> inlhemuin ippendiubus icu
 tis tiudis plumo>is Tlcncniis molliler et densissime sinccis pappo i bisi | lunio&o
 nivro uniaciill i>*> *I'I> \uclo, iitln piuciseio — CiCiCit in irenosis id meudum
 uibis (>va in ic_aione Amalcutoium Aiabiac llmtimi

28C2 COUSIVIA *Cass*

(DC Prodr VI 50* VII 302 - Wlpis Repert II 669 M 284 Annal I 432)

- 1 C IIUNGIODrs Doiss Dngn phnt onont nov \ p 101 f — Tolns radicilibus
 im|lis iiii mi ublon_o liii((htj^ pimi ilj>iimis |ix nVidia paice irincoso canescenti-
 bu^ -. (DIIK niis a pile stj ciOIi f ln k orsinn decie cenhbus ovilis oblongisve iterum
 2 — 3-1o!)^ ncivis linjoihiis in spims lon_nis scciindams in s| muhs excuncnlibus
 \ilde nntquilibus ilus mngnis this 2 — 4 - plo minonbus inlcinixlis omnibus bisi
 coiiflunlibus emlibus folii pnuci bicvia pinnilim spmosa" hncaria antlicscos tem-
 poio jam evanidi feicntilxi^ icicubus gh)ii6 ilbidis Hindis bis vel tei umbellalo-proli-
 lciii> rami-s umbelhiiiiin divniicntis tuclibus nudib capitulis ad nodos umbellaium
 sc>silibub solmnis [cuninilibuitio 3 — 5 nggicgalis omnibus cjlindncis pauciflous
 mvolutii tjhbciumi squimis jnucis a bisi lanceohla subulalis necrosis supra conca-
 Miisculii sublus icule in juclris infenoibub brevissimis caetcus lecuno-pateniibus.
 flores longe supernnlibuo floscuhs puipmcis ncliacnns o\mi2> coinpressis ccoionaiis
 setis pippi uniscialibus acnncio Pliplo bievionbus — Creucit in argillosis con\lliuin
 id indices inontis Demawend in Persia
- I G ALI PPILA Uoiss 1 c f — Ihsi Iignosi mullicudis ciulibus pumilis fire a bisi
 dniritatnn mnosi&bimjs nnn^que deraum ghbraus tcnuibus ngidib, folus rigidis *|M-
 us tiilili^mcib supn glibiib lcliculuo-ncivosis sublus aiancoso-cincsceniibus,
 rulicalibushnccolatis. clon^iti!> pmnitilobis lobis uniluhlis imn^uliribus itcium *grosso*
 denims iccruso-spinoMt c minus nulto minoiibuii oblon_o - lanccolatis ulnnque
 Z—3-dciiniis, boki bicviiei denimntilius biipicnus fuc sub capitulo sitis el hoc
 subic innubus c ipiulis pat \JS ad lamuloium exticinilatcin solitai/is involucro g'a
 bio brevilri o\ uo bisi tiuncito squinis pir\is liiLstcniibus linenibus subtus ob-
 tuso ciunuib in iiiuuonuii icciosum bnvtm iccui\o-patuluin abcunlibus flosculis
 puipmets involiiLio subduplo longioubu* iclnemo setulis brevissimis cordnalo pappi
 setis uniscialibus ci(luu>simib — Ciescit in collibus andis mier Ldlip ot Alcp-
 pUU blfb
- 3 C SOUARROSA Boi^s 1 c 102 f — Pirce arineosn subglabioscens virescens caule
 cicclo clato supeme subdicbotome mnoso toiybose 2—5 ccplno folus ndicah-
 bus caulmis pinis oblongo-lincanbus stnctis bioitci dentito-lobitis spinosis,
 secus lotum cuilcin dteuritniibus iigidis iiniu anguslis&inic et intci iuple ihlis sub
 capitulib nudis ciinluli^ mediocubus niulunou* unolucii sub_nlobosi pntlci 6|inmi-
 liun basin p ireo n inco'jim fchbu Mrcbcentis squamit> iicle nbbicUi^ in appi uditeiu
 iicu\io-iLflit\im ovilim itul MM J s| mosani ibcuulibus spun iciniindi htciilibus
 \ilidiou Uiploque lon^ion omnibus ICCIOM-JMIH^ llostnlis roscis in\olucio MX
 duplo longioiibus acnncio — (icsdt in MIIC Silnluislonck inonn^c
 1 ll)ius in Peisla

- 4- C. HERMONIS Boiss. i. c. f — Tota mtfgis rainjusve araneoso-lanala caneacens TO cna: collo squamoso; foliis radicalibus confertis lanceolati⁹ pinnatisectis, segmentis lobntis valde undulato-plicalis, secus paginam superiorem versis confertjsniroia in spinas flavidns ncerosis^imns numerosas abeuntibus; caule a basi dichotome ramosiasimo divnricnto subconmboso pleiocephalo; foliis coulinis e basi ovatr olundato-auriculata subdecurronii, in spinam longam recunro-potulam abeuntibus, inferne spinulosis, summis lanceoluto-linearibus subintegris, capitulo appozimatis; cnpitulis mediocribus; involucri breviier ovali squamis arctissidie imbricatis, basi magis toinusve lanatis, in appendicem glabram viridem lanceolatam acerosam validam, supra concaviusculam, sublus suhcarinatam patulam vel deflezam integerrimam capituli diametro aequilongam vel longiorem abeumibus; Qosculis roseis involucri viz duplo longioribus, achaeniis compressis nigro-maculalis eoronatis; pappo fugacissimo. — Crescit in lota regione inferiori Hermonis supra Rascheya in siccissimis, ad radices Libani, in Coelesyria inter Aineie et Oeir el Achmar.

2864*. D E R D K R I A *Jaub. if Sp.*

(Wlprs. Repert. VI. 290. ft Annal. I. 444. — *Jaub. ft Spach,* Annal. soieuc. natur. [3. Ser.] XIII. 362.*)

1. Achaenia laevigata.

- ¹. D. ERIOBASIS *Jaub. ft Spach. III. pi. orient. II. 97. ft Ann. sc. natur. 1. c. — Virldis. caules glabri; folia pappilloso-asperula, caulina sessilia sublinearia, basi angustata: calathidia sessilia; antbodii cylindranei squamae adpressae, czteriores ovatae v. ovato-lanceolaiae, mediae oblongae, inlimae linear!- lanceolatae; corollae subfliformes, tubo sursum sensim ampliato; stigmata filiformin. — *Stechmanma eriobasis* *Jaub. ft Spach '0 c. t. 179. — Junnaea eriobasis* DC. Prodr. VI. 675. — Persia.*
- ². D. AUCHERI *Jaub. ft Sp. Ann. sc. nat. 1. c. 363. — Tomento floccoso canescens: folia caulina flnceolata; catathidia supra folia ultima subcxserta; antbodii subglobosi squamae aulularfe subsquarrosae; corollarura limbus lubo amplior; stigmata latiuscula l'nearia. — *Jurinaca Aucheriana* DC. 1. c. 674. — *Derderia cheirifolia* *Jaub. ft Sp. — Wlprs. Annal. bot. syst. I. 444. no. 1. — In Armenia (nee in America, err. typogr. in 4nn. r. 445.)**
- ³. 0. MACROCEPHALA *Jaub. ft Sp. — Wlprs. Repert. VI. 290. no. 1. — Anpal. so. nat. * c. — Tomento floccoso canescens: folia caulina basi cordato-auriculata amplexatilia, Pjeraque ovato- veJ obJongo-lanceolate; calathidia ampla plurimiflora sessilia; antho- ^> late campanulati squamae subadpressae, ploraeque iineari-lanceolatae; corollae ""bfliformes; stigmata latiuscula linearia. — *Jurinaea macrocejthala* DC. I c. — In Persia.*

2. Achaenia fungoso-tuberculata.

- ⁴. ^b BERARDIOIDES *Jaub. ft Spach. III. pi. orient. HL 134. t. 290. ft Ann. sc. nat. 1. c. "" Incano-tomentosa: caulis simplex v. apice ramulosus foliosus; folia ovalia velsub- r otunda, plerumque basi subcordata; calathidia plurimiflora; anlhodium late cam pan u- l& tum subsquarrosus, sub anthesi floribus paullulo brevius; pappus jam per anthesin corollas aequans. ~> *Aegopordon berardtoides* Boiss. — *Wlprs. Repert. VI. 310. no. 1. "" In Persia.**

Ü.

Subtribus VII. *CENTAUREAE* DC. Prodr. VI. 557.

2865. *AMBERBOA* Pers.

(DC. Prodr. VI. 558. VII. 302. — Wlprs. Repert. II. 670. Annal. I. 445.)

1. *A. ADYSSINICA* A. Rich. Tent. fl. Abyss. I. 453. — Caulc erecto ramoso bipedali et ultra, tereti striato pnbenti-tomentoso; ramis elongatis nudiusculis; foliis pinnatisectis subsessilibus, suepius lanceolatis nculis, inlegris aut inaequaliter subdentatis, utrinque - griseo-subtomentosis, rarius simpliciter scabro-hirtis nee tomentosis; involucri ovoideo-oblongi squamis imbricatis appressis lanceohuis, apice in acumen acutum simplex induralis, supcrne nigro-marginatis, tenuiter denliculaio-ciliatis, externe scabris sub-tomentellis; achaeniis obpyramidntis, setosis; pappi paleolis inaequalibus, apice dilatato - obtusis cilialis; areola lateral] eicavaja..— In Abyssinia provincia Ouodgerate.

2870/, *PTOSIMOPAPPUS* Boiss.

(Boiss. Voy. bot. App. p. 739. — *Centaureae* sect. XIII. *Cheirolophus* DC. Prodr. VI. 577.)

Involucri squamae in appendicem ovato-obJongam inermem pctinato-ciliatam abeuntes. Corollae radii steriles discum non superantes, caeterae hermaphroditae. Filamenta bre^iter papillosa, antherae brevissime caudato-fimbriatae, appendicibus corneis. Slyli rami longissime exsefli inter se concreli. Achaenia com press a subincurva, areola vix laterali. Pappi setae inaequalcs fragiles caducissimae multiseriales uniformes barbellatae, barbellis inter se cohaerentes. •— Herbae perennes Hispanicae occidentales et Canarienses facie *Centaureae*,

1. *PT. SEMPERVIRENS* Boiss. 1. c. 740.— Glanduloso-viscidulus; foliis sessilibus lanceolatis, basi angustalis indivisis dentatis integrisve, basi utrinque lobo stipuloeforniauctis; achaeniis compressis ecostatis. — *Centaurea sempeivirens* L. — DC. Prodr. VI. 577. no. 59. — In Hispania australi.
2. **PT. INTYBACEUS* Boiss. 1. c. — *Centaurea intybacea* Lam. — DC. I. c. no. 60.
3. **PT. CANARIENSIS* Boiss. 1. cit. — *Centaurea Canariensis* Broussonet. — DC. 1. cit. no. 61.
4. *PT. ARBOREUS* Wlprs. mss. — Fruticosus, 1—2-pedalis: involucri subglobosi squami* apice pectinato - flmbrialis; foliis ovato - ellipticis peliolatis integris vel argute serratis puberulis; ramis junioribus tomento farinaceo obductis. — Flores sulphurei. — *Centaurea arborea* B. Webb mss. ex C. H. Schultz (Bip.) in B. Webb & Berth. Phyiogr. Canar. II. 356. f — In insula Canariensi Palma.
5. *PT. BRACTEATUS* Boiss. Diagnos. plant, orient, nov. X. p. 104. f — Perennis sempervirens: caulibus hornotinis teretibus elatis nudis induratis parce ramosis, adapfceiB ramorum folia congesta oblongo - spatulata obtusa integerriraa, in petiolum long* attenuata, praeter marginem adpresse et anguste albo-lanatum, demum glabrescenteiP glaberrima ferentibus; foliorum fasciculis vel terminalibus caules steriles coronantibus* vel e centro edentibus ramum floralem annotinum caulem continuantem lerelem striatum erectum sparsim foliosum dichotome el stricte corymboso-ramosum; foliis ranie** libus multo minoribus, inferioribus oblongis petiolatis, superioribus sessilibus; capitull'

ad extremitatem ramulorum floralium valde statorum, apice clavato-mcrassatorum, minus inanium soli tarsis, foliis floralibus 6—7 ovato-rotundis obtusis integerrimis nervis cucullatis erecto - paulis capitulum involucraotibus, involucri aequilodgis, involucri ovato-conici apice subcoostncti squamis globosis laevibus mtidis adpressissime imbricatis conneis flavidis ab inferionibus inangulanibus vel triangulan-lanceolatis acutiusculis mucroDulo nigrescenti vix perspicuo adpresso facile ruptili terminatis ad intimas linean-lanceolatis linearesque appendiculo membranaceo inermi integro vix distincto terminatas regulariter elongatis, flo&culis flavis, omnibus heimaphrodilis, receptaculi sensu copiosis infescentibus achaenia et pappum longe superantibus, achaenus oblongo-linearius subcompressis Jaevissimis mtidis albidis, pappo unisenali caducissimo sordide alborufescenti eis paulo longior superantibus, pappi setis ex circulo depresso umbonem circumdanti ortis subumerialibus vel potius indistincte 2—3-serialibus inaequilongis scabundis — Crescit 10 lota regione inferionis montis Gasii Sinae boealis ad margines &ylvarum

2870/, AEGIALOPHILA Bom. *tf Heldr.*

(Boiss Diagnos. plant orient, nov. X p. 105)

Capitulum ovatum multiflorum. Involucrum squamae imbricatae ovatae, margine scanoso-membranaceae integrae, in spinam iectam simplicem debeutes Receptaculum setis densis deciduis obsilum. Flosculi rosei, marginales neutri radiantes vel vix radiantes, caeterum hermaphroditi. Antherae basi non caudatae, superne in appendicem obtusam productae. Filamenta valde papillosa. Achaemum adpresso hirsutum teretiusculum, basi attenuatum, areolarum basilarem lateralem donatum, paleolis brevissimis denticulatis acutis persistentibus margine coronatum. Pappus albus bisenarius achaemum duplo longior, setis omnibus basi in anulum concretis et cum eo facillime deciduis, exterionibus tenuibus plumosis, interionibus paucis paulo longioribus vix scabundis brevioribus. — Plantae Orientales arenarum maritimarum incolae: caulis subnullis, foliis lyriatis, facie *Centaureae*. — Genus a *Centaurea*, cui hujus species hucusque adnumeratae fuerunt, egregie distinctum fructu paleolis persistentibus coronato, pappo in anulum basi concrete deciduo, plumoso. Ob areolam basilarem lateralem inter *Centaurea earum* tribum milliat et *Jurmea* longius distat.

¹ AEGIALOPHILA Boiss Diagnos. plant orient nov. X pag. 105. f — Tota pilis intricatis araneosis brevioribus et adpresso cernens foliis lanceolatis, in segmenta ovata oblongo-linearia lanceolata valde inaequalia saepe subretorsa pinnatifiditate segmento terminali saepe longior angusto, caulis brevissimis vel subnullis, involucrum glabri squamis integris late scanosis, in spinam acerosam albam. inferiorum brevem, intermediaium squama longiorem abeuntibus, intimis in appendicem fusciscentem membrum sublaevem abeuntibus, flosculis neutris radiantibus, pappi breviter plumosi setis interionibus vix brevioribus longioribusque. — *Centaurea pumila* L. — DC Prodr VI 591. no 142 — Crescit in Aegypto inferiori, in insula Sicilia et in Attica

² AEGIALOPHILA Boiss. et Heldr. I. c. 106 f — Tota breviter araneoso-canescens, foliis longe petiolatis oblongis acutiusculis minute denticulatis vel ad limbi basin 2—4 lobulis minimis ovalo-oblongis aunculiformibus auctis lyratis, caulibus nullis. involucrum globosculi squamis latiuscule et integre scanosis. in spinam albam squama quadruplo breviorum aitonuatis. intimis in appendicem albam angustam inermem denticulatam abeuntibus, flosculis neutris radiantibus. pappi setis exterionibus longe pluribus, interionibus brevioribus. — *Centaurea aegialophila* Boiss et Heldr. — Crescit in arenosis maritimis Cratae ad portum Sitia infra Piskokephala, Eparchiae Sinae

2870/. CHESIROIIPIS Boiss.

(Diagnos. plantar, orient, nov. X. p. 106. f — *Chartolepis* Jaub. et Sp. III. pi. nov. orient. III. p. 136. et Ann. sc. nat. (3. Ser.) XIII. p. 269.)

Capitulum olatum multiflorum. Involucri squamae adpresse coriacea productae in appendicem magis minusve Jonge palmatim spinulosam erecto-patulam, interiorum membranaceam muticam. Receptaculum fimbriiferum. Flores flavi, radii neutri non radiantes, caeten hermaphroditi. Filameula papillosa, antherae breviter caudatae, appendicibus acutiusculis. Stigmata concreta. Achaenia compressa, apice angustissime marginata, areola basilari laterali. Pappus sordide albus achaenio multo longior pluriseriatis, setis inferne latiusculis plumosis persistentibus, ab extimis ad intimas sensim auctis. — Herbae perennes alpinae Orientales, facie et involucris *Centaureas* e sectione *Mesocentro* vel *Calcitrapa* omnino referentes. — Genus a *Centaurea* distinctissimum pappi non scabri sed plumosi setis indistincte serialis, ab exterioribus ad intimas elongatis, a *Phaeopappo* Boiss., cui quoque accedit, pappi setis elongatioribus plumosis nee scabris discedens.

1. CH. DRABAEFOLIA Boiss. 1. c. p. 107. + — Basi suffrutescens pumila caespitosa, magis minusve araneoso-cana: foliis inferioribus petiolatis oblongis sinuato-deniuculatis obtusis, superioribus lanceolatis acutis; squamarum appendicibus reflexis rufescentibus palmatim 5—7-spinosis, spina terminali aliis 2—3-plo longiori validiori. — *Centaurea drabaefolia* Fl. Graec. tab. 910. — DC. Prodr. VI. 595. no. 169. — *Chartolepis drabaefolia* Jaub' et Sp. Illustr. pi. or. III. 136. — Crescit in Olynipo Bithyno.
2. GH. GAPPADOCIGA Boiss. 1. cit. 107. f — Basi suffrutescens pumila caespitosa: foliis asperis, infimis oblongo-linearibus, caeteris linearis-elongatis integerrimis acutis; squamarum appendicibus erecto-patulis micimis 5—7-spinosis, spinis lenibus, terminali alii* vix duplo longiori validiorique. — *Centaurea Cappadocica* DC. Prodr. VI. 595. no. 169' — *Chartolepis Cappadocica* Jaub. et Spch. 1. c. 136. tab. 291. (exp.) — Crescit in Cappadocia ad Euphratem, in monte Ghelipel Isauriae supra Ermenek.
3. GH. LIBANOTIGA Boiss. cit. 1. p. 107. f — Basi suffrutescens pumila caespitosa: foliis asperis anguste linearibus pinnatifidis acutis, lobis remotis dentiformibus triangularibus acutis; squamarum appendicibus patulis fuscis 7—11-spinosis, spina terminali alii* vix duplo longiori validiorique. — *Chartolepis Libanotica* > Jaub. et Sp. I. c. 136. — Crescit in Libano supra Cedros et in cacuminibus Hermonis.
4. CH. KOTSCHYI Boiss. et Heldr. 1. c. 107. + — Caulibus ascendentibus elatis simplicibus vel superne parce ramosis; foliis asperis pallide virentibus lanceolatis acutis integris, inferioribus in petiolum attenuatis, superioribus sessilibus; squamarum appendicibus inferioribus reflexis, caeteris erectis, omnibus pallide rufescentibus palmatis 7—9-spinosis, spinis tenuibus, terminali aliis duplo longiori validiorique. — *Chartolepis Cappadocica* Jaub. et Sp. 1. c. 136. tab. 291. (ex p.) — Crescit in Tauro, Lycaonia in Wf Beychehr et Koniah et ad radices, montis Karadagh prope Larenda.
5. CH. PERSICA Boiss. I.e. p. 108. f — Caulibus ascendentibus elatis simplicibus artibus cephalis; foliis pallide virentibus asperulis lanceolatis acutis integris, inferioribus in petiolum attenuatis, superioribus sessilibus; squamarum appendicibus pallide flavis erectis palmatis 7—11-spinosis, spina terminali aliis duplo longiori validiorique. — *Phaeopappus chircelophus* Boiss. mss. — *Chartolepis Cappadocica* Jaub. et Sp. I. c. (ex p.) — Crescit in monte Pemawend, in eodera jago prope Ask in Persia.

2871. *CEWTAIJRB4 Usng.*

(DC Prodr. VI 565 VII. 302 [eid sect. XIII] - Wlprs Report. If. 670 VI 293. Annal I 447)

- ¹ *C (Microiophus) WEBBIANA* G H Schultz (Bip.). Phjtogr Cananens. II 353 f — kuffiuiiculosa subiamosa, punctis resinosis munita, caeterum glabra excepto caule torn en to p<innoso obtecto, involucri ovato - globosi squamae apice breviter acuminatae, acumme inangulan-laDccoIato patente, pressione Ircile abimpente, folia elliptico-lanceolata breve peliolata minute senaia — Habitus *C argulae et Cananens* — Habitat in rupestribus umbrosis msulaium Cananensium de la Florida el Tenenffa.
- ² *G (Jacea) CASSIA* Boiss. Diagnos. plant orient nov X p 108 f — Perenns caulibus tenuibus virgatis foliosis angulatis asperuhs, superne ramosis, ram is ngidulis erecto-patulis foliosis monocephahs, coijmbura oligocephalum laxum foimantibus, folns viridibus, sub leote acirleolato-asperulis, infei toribus petiolatis lyrato-pinnatipartitis, lobo terminali oblongo obsolete denticulato obtuso vel acutiusculo, lateialibus oblongo-linearibus tnplo mmoribus mtegnis, basi s&us petiolum anguste decurrentibus, foljis caulims mtermediis sessilibus subpalmatis 3—5-partitis, lacinnis linear-lanceolatis, terminali duplo majon, ramcis ellipticis mtegnis, capiUilis parvis, involucri felabri globosi squamis adpressiusculis, appendicibus totum involucrum obtegentibus scauosis pallide bfunneis muticis pectinato-flimbriatis, flmbnis latitudinem disci subaequantibus, intimis cucullatis lacens, flosculis roseis, .extenonbus neutris Don radiantibus achaennis pappo albo lis tnplo brevion superatis — Crescit in regfone Inferior! ^ivatica montis CassiiSjnae boreahs.
- ^d ^c (*PliahtepisJ* *LYGIA* Boiss 1 cit p 109 f — Basi suffrutescens. tota indumaoto panoso adpressissimo cana folns ad rhizomalis apicem congestis petiolatis, inflmis indivisis ovatis obtusiusculis bieviter denticuldtis, caetens pinnatipaititis, segmentis lateraliibus 2-6 oblongo-linearibus subintcgns. terminali 2—3-plo majon ovato vel obloogo Parce denticulato. caulibus flonferls infra rosulas nascentibus erectis cams, superne Parce lamosis ramis monocephalis, foliis caulinismfeionbusbasi pirfhatlsectis. lacinnis toternlibus anguste lmeanbus, lerminali multoties majon linear-oblonga, folns supe»'onbus lmeanbus indivisis, capitulis mediocnbus, involucri glabri squamis in appendice^{ce} m eas occultaniem captro pallide fusciscentem latissime, hyalino-membranaceam ⁸ubretusam cucullatam obsolete denticulato-laceram, in inflmis setula brevi dunuscula lerminatam, in caetens muticam abeuntibus, flosculis roseis, exlenonbus neutris subradiantibus, pappo albo Crescit prope Elmalu Ljciae
- ⁴ ^c (*Oyanus*) *VARIANS* A Rich Tent fl Abyss I 453 — Perenns caudice horizontali^{ta}. radice e flbns crassis longissimis caule erecto pedah aut ascendente, subsimplici tereti strlato pubente, folns infenonbus elliptico-lanceolatis obtusfs longissimis, b*8i sensim in petiolum brevem attenuatis, margine obsolete denticulatis. subpllosis, caulims altorms sessilibus, magmtudine decrescentibus. oapitulo terminali nudo. Involucri subcampanulali squamis imbncaiis appressis eblongo-lanoeolaUs. margine nigrescenti-scanosis flmbnato-dissectis. flosculis externis lonfrissimis slenlibda, achaennis subcompressis glabns — In Abyssimae prov Ouodgerate. #
- ⁵ ^c (*Acrolophus*) *AMMOCYANUS* Boiss Diagn plant, orient nov. X p. 109 f — Annu, P<rce aianeoso-puberula subviscida gnseo-virens: oaulibus angulaUs tenuibus circulariter Prostratii subdichotome lamosissimis. Coins parvis radicalibus obovaUs integns obsolete^{le}»e dentatis vel basi pinnato-sublyrjtis. oaulinis anguste lineaubuspinnalilobatis, lobis • "Cinque 2—b brevissimis dentiformibus. folm summis submtegris. capitulis parvis. wnico e collo radicls saepius subsessili, caelens ad ramorum apicem solitains oblongs, lovolucii glabnusculi squamis viridibus enenns. if))pendice breviter decurrenti, squamas suboccultanti, c<ntro fusoa, margine albo-flimbriata, flmbnis diametnim squamao^aequanubua, apice in spinam fusciscentem cilus vix longioiem validioremque abeunti, flosculis roseis, exlenonbus neulris radiantibus, achaenio miDimo virescenti glabrius«

culo, setis pappi fusciscentibus, extei/onbus acbaemo aequilongis, internis paulo la-
tionibus conniventibus, achaenio tuplo bievionibus — Crescit in arenosis Arabiae pe-
uaeae Palaestinae conierminae ad meridiem Gazae

- 6 C LEPTOCEPHALA Boiss. loc cit p 110 f—Multicaulis, tota parce et bievtesime
araneosa aspeia pallide vuens caulibus ugidis angulatis, superne lamosissimib effuse
paniculato-corymbosis folus ngidis mfenoiibus pmnatipaititis, segmentis rhachideque
angusti*sime lineanbus, lateralibus bieMbiib loins caulims Imeanbus, hnsi dentotis
integrisve capitulis terminahbus solinrns minimis mvolucn cyhdnti bquamis sub
lente pubPiulis, in appendicem rubellam lanceolatnm spinosam squarroso recuivam bre-
viter et pinnatim cilialo-spinulosam abeunubus flosculis purpureis cue 13 neulns
fere 6 non ladiantibus caetens bermapliioditis achaemis compressis calvis — Crescit
in colhbus sieuhbus Aniihbam et collium flnuimoium Coelesvnae
- 7 C DICHROA Boiss ft Heidi 1 c 111 f—Inferne frutescens, vestigus caulium et pe-
tiolorum vetustorum obsita, dein multicaulis ciulibus tenuibus virgalis ngiduh, parce
fohosis allernatim ramosis ramis ngidulis erecto-paiulis monocephalis, folus ad basin
caulium congestis adresse canescentibus piunatipariiiiis, segmentis integns acutius-
lis subquims, rarius septems rhachideque lineinbus, caulims stnctis indivisis anguste
lineanbus capitulis minuiis involucii oblongi glabri squamis ovatis palhdis adpressis-
simis vix ippendiculatis, margine breviter flinbriatis mulicis, flmbrns albidis di a metro
sqinmae brevionibus, membiana marginah vix decurrenti corolhs pallide ochroleucis
non radiantibus anthens \iolacus acbaemo pappo tuplo bievion supeiatitis —Crescit
in saxos/s junetorum ad Tcberali in radicibus monus Tagbtalu Lyriae
8. C DUMULOSA Boiss 1 c f- Gollo lanato multicauli caulibus subnudis a basi ramo-
sissimis stnctis tenuibus iigulis quadiangulib, mferne parce et adresse canescenti-
puberulis, superne glabus iamis subintncaus ngidis monocephalis, folus radicali-
bus. caulims paucis minimis pinnatipardiis, lhachide segmenlisque Imean-subu-
latis. lalcralibus 2—4 brevissimis, folus supmonbus subulatis rameis abbreviate
squamnefoimibus capitulis paivis involucn oblongi squamis parce puberulis sub-5-
stnads appendice non decurrenli, squamas superiores suboccultanli pallida flmbrnata,
in spinulam i«ctam Umbrws albis iluplo longiorcm crassiorcm abeunti teiminalis,
flosculis loseis, achaenio nigro miido glabnuscuro, pappi setis albis exterioribus
achaenio tnplu breuoubus, intenonbus bre\issimis conniventibus — Crescit ID
SICC» regionis sjlvaiicae ad radices Libani inter Ainete et Deir el Achmar
- 9 C (*Phalolepts*) DAMASCENA Boiss 1 c 112 f— Basi suffrutescens mullitaulis cauli-
bus subaphylls brevissime pubtrulib angulatis, a basi rainosi&siinis, rnmis rigidis te«
nuibu» mtncatrs folus radicalibus lineanbus pinnatipartitis, lacinus paucis angusW
lineanbus brevis^imis, cauhnis ft rameis abbreviatas squamaeformibus, capitubs >^
exlieimtatem lamorum solitains parvis oblongis involucn squamis glabriuscuhs. ^{IB}
appendicem centro fusciscentem, maigine late albo - membranaceam breviter dead*
culatdm, apioe parce et breviter saepe flmbrnatam, spinuia tenui&sima appendiu aequi*
longa vel brevion leiminatam abeunubus, intenonbus apice hjalims mtegnis, flosculi⁰
pallide roseis non radiantibus pappo albo » — *C alba vai spinescens* DC. K^o
569 no 20 — Crescit in collibus andissimis ad Damascusum et inter Damascusum et AP-
tilibanum
- 10* C (*Cjnoi aides*) ARIFOLIA Boiss 1 c p 112 f— Perenms rhizomaie tuberoso-wcrU''
j«aio collo hbro&o caule tenui vugaio stnato erecto elato, in feme parce folioso ^{cris-}
pule pubescenti, supeme glabio parce bievitei et l emote ramoso 1—3 - cephalo, ^{folio}
radicalibus et caulims mflnis paucia peliolo slnaio cnsple pubesceHli us ^{aequilong}
vel longion suffulti^, intense vindibus tenuiter carlilagmeis reticulato-aervosis, ^{utrin-}
que lucidis, pnpillis albi* spar^issimii> crispis sub lente obsius tactu asperulis ^{obscu-}
tissime crenulato-repandib oblongis vel ovatis coidato-hastatis acutiu&culis. ^{rareat-}
me sub basi trueata Z segments minutia lineanbus auctis, aunculis basilanbus ^{folio}
3—4 -plo brevionibus, folioiuu radicalium obtusis m divergenlibus, caulinorum ^{infe-}
riorum valde divergentibub late tnangularibus acutis, folio dauhno superior! ^{solutario.}

saepe deficienti oblongo-lanceolato-acuminato, in petiolum brevem aiteDuato; capitulis magnis globosis; squamis appendice scariosa rufo - nigricanti iis Jatlari .ovalo - triangulari a basi flmbriato-pectinata, apice In spinam subulatam rectam duriusculam, squamarum inflmarum brevissimam superiorum appendice 2—3-plo breviorum abeunti terminntis, squamarum intimarum linearium appendice iis angustiori oblonga virflmbriata brevier et inerme apiculata; flosculis intense purpureis, radianlibus nullis; achaeniis ^retiusculis glnbris; pappi sordide rufescentis, achaenio sesquolongioris setis seriertim exteriorum ab inferioribus ad interiores elongalis, intimae seriei latioribus paleaceis, achaenio iriplo brevioribus. — Crescit in umbrosis sylvaticis regionum inferiorum moniis Gassii in via inter Laodiceom et Suadieh.

¹*. C. SPICATA Boiss. I. c. p. 113. f — Biennis vel perennis. caule crassiusculo striato, papillis crispis sparsis inferne praesertim hir^ulo folioso simplicissimo elato; foliis viridibus nervosis, papillis albidis sparsis minimis asperulis, radicalibus caulisque mflmis longe petiolaiis Jyralis, segmento terminali mazimo oblongo, basi cuneato vel cordato obsolete denticulato, lateralibus utrinque 1—2 parvis oblongis vel ovatis cum basi segmenti terminaliis et inter se confluentibus, foliis caulinis intermediis oblongo-lanceolatis integris, vel inferne lobulo auctis, in petiolum brevem attenuatis, superioribus anguste linearibus integerrimis, basi sessili secus caulem in alas angustas integras decurrentibus; capitulis pedunculo stricto iis breviori. foliolis lanceolato-subulatis squamaeformibus 1—2 obsito suffultis. secus caulis partem superiorem alternis racem^{mm} spiciformem longum laium formantibus; involucri glabri squamis, apice subcon-sincto in appendicem fusciscentem duram. e bnsi triangulari - ovata ciliato-flmbria^{Qm}. spina recta valida ei aequilonga terminata; squamarum intimarum appendice Parva brevissime ciliata spinosaque; Oosculis purpureis non radiantibus; achaeulis oblongis glabris nitidis albidis com press is, pappo iis sesquolongiori violaceo terminatis, setis serierum exteriorura ab inflmis ad interiores sensim auctis, serie interiori achaeⁿo triplo breviori, paleis albidis conniventibus. — Crescit in pratis Syriae littoralis in-^{er} ^aodiceam et Djiblet.

¹^ C. ONOPORDIFOLFA Boiss. I.e. 114. f— Tola adpresse araneoso-canescens: caulibus ^rectis alatis, superne subthyrsoido - paniculatis ramisque rigidissimis; foliis lanceo-hlo - linearibus rigidissimis duris, supra laeviusculis, subtus elevato - nervosis pinnati-lobatis, inter lobos sinuato - undulatis spinoso-dentatis,)obis triangulari-ovatis, mar-ine et apice in spinas flavas breves duras abeuntibus, radicalibus et inferioribus lon-ffssiniis, in petiolum Jirevem angustntis, caulinis magis minusve abbreviatis strictis, In alas iis aequilatas continues lobato-spinosas abeuntibus; paniculae ramis brevibus stnctis monocephalis, saepius subsessiliter et alterne 2—3-cephalis; capitulis flavido-⁸pinosissimis; involucri squamis adpeffsissimis albo-tomentosis, appendice glaberrima flava terminaliis; squamarum inferiorum appendice reflexa brevissima ovata subpalma-^{tr}m spinosa, spinis brevibus vix inaequalibus, intermediarum in spinam ea molto lon-gorem erectam vel arcuatam acerosissimam attenuate, utrinque basi 3—4 spinis tenui-^vUs aucta, intimarum appendice cucullata subintegra. apioe tenuiter breviterque spi-ⁿulosa vel mutica; flosculis lute is non radiantibus: achaeniis oblongis compressis nigricantibus, areola b^silari valde iaterali; -pappi nigricantis achaeoio duplo longioris ^{s*}tis scabridis ab extimis sensim elongatis. seriei intimae paulo latioribus paleaceis ^{co}nniventibus. , achaenio triplo brevioribus. — Crescit in arvis inultis Coelesyriae et collium adjacentium.

^{*3}. C. (*Euacrocentron*) ANTIOCHIA Boiss. I. c p. 115. — Caule subangulato parce et ad-Pressissime araneoso-pulverulento elato. superne longiuscule ramoso paniculato-co-^rymboso; foliis glabriusculis. radicalibus mimerosis caulisque inferioribus petiolatis, aabitu oblongo-lanceolatis sublyrato-pinnatipartilis, segmentis ovato-oblongis minute ^{et} obtuse denticulatis, a superiori paulo majori ad inflma diminutis, basi saepe con-fluentibus, rhacbide inter segmenta lobulis saepe aucta; petiolis puberulis; foliis cau-[^]nis intermediis paucis. segmentis linearibus subintegris, summis ad squamulas ob-longas Uneares reductis; capitulis magnis pedunculo iis longiori suffultis; involucri

hemisphaerici squamis glabrusculis ovaus, margine superne pectinato-ciliatis, apice in appendicem e basi lanceolata ciliata recurvam patulam, squamarum inferiorum breviorum, caeterarum squama longiorem aequantibus squamis intimis appendice rotundata fimbriata inermi velutina terminalibus flosculis nigris non radiantibus; achaenus compressis albo-velutinis, pappo fusco us paulo longiori terminatis, setis scaberrimis ab extensoribus sensim elongatis seriei limbae albis peltatis connatis, achaeo triplo brevioribus — Crescit in rupibus calcareis montium ad Orontem inter Suediam et Antiochiam situm et in arce Antiochiae.

- 14 C (*Acrocentron*) SCOPULORUM Boiss. 8c Heidi in Boiss. Diagnos 1 cit p 115 f — Rhizomate crasso cylindrico. collo lana bombacina densa aestivo caule subangulato-striato brevissime puberulo, superne dichotome ramoso 3—5-cephalo, folus pallide viridibus. subscissis tenues asperulo-puberulis lanceolatis pinnatipartitis, segments oblongo-lanceolatus acutis acute denticulatis, basi saepius attenuatis, terminali saepe paulo majori, hinc versus basin foli decrescentibus, rachide inter segmenta lobulis saepe acinis folis caulibus superioribus sessilibus parvis pinnatis 3—5-partitis, capitulis magnis ad lamellam apicem solitariis. involucri hemisphaerico lana bombycina squamas fere occultanti dense obsito, squamis ovatis in appendicem nigricantem rectam breviter triangularem ciliato-pectinatam, spina patula tenui alus triplo longior validiorque terminata abeuntibus, squamarum interiorum appendice rotunda tunica breviter fimbriata, flosculis roseis non radiantibus achaenus compressis puberulis pappo albo us subduplo longiori supraus, sensu pappi vix scaberrimis, ab extensoribus ad interioribus sensim natis, seriei intimae laevibus, basi connatis intermediis subaequantibus. — Crescit in fessis rupium verticalium promontoria Alaya Pamphylicae
- 15 C SPECIOSA Boiss I cit p 116 + — Tola indumento araneoso tenui adpressissimo cinereo-cana inhiomate sufflorescenti nulutula. caulibus brevibus cernis, ad apicem usque dense foliosis monocephalis. folus tenens omnino muticis, utrinque canaliculatis, nervis oblongo-lanceolatis pinnatipartitis, segments inferiorum lationibus oblongis, basi angustatus obtusis, nervis pinnatis superiorum angustioribus minoribus oblongo-lineariibus integus vel denuclatis, capitulis magnis, involucri parcissime cineriosi vel glabrescentibus squamis virescentibus, appendice patula vel reflexa flava, basi lanceolata tauculaia 2—3 spinulis tenuibus utrinque obsita, in spinam longam acerosam aliam squama 2—3-plo longioriem alienaia terminali squamarum ~~intima-~~ **pallide** viridibus glabris, pappo albo vel rubello na paulo longiori terminatis, setis ab ^l rioribus brevioribus sensim acinis, seriei intimae non lationibus connatis, achaeo dimidio brevioribus — Crescit in rupibus verticalibus calidis vallium circa Caesaream Philippi (Bania) Gahlaeae sinus
- 16 C AINETENSIS Boiss I c 117 f — Tola pilis annularibus mollibus patulis, secus caules sparsis, secus folia et petiolos densis cinerea rhizomate indurato multicauli, ^{aid} lanato caulibus angulato-striatis eicctis ngtdis 1—2-cephalis. folus peliolatis ^{put} tipartitis, segmentibus valde inaequalibus ovatis oblongis vel limbae lanceolatis oblongo-mucronatis inaequalibus, nervis saepius elongatis, rachide inter segmenta dentatis, folis in superioribus paucis brevibus, segmentis angustis longe mucronatis vel indivisus Hinc nervibus, capitulis pedunculo nudo us longiore suffultis oblongis, ^l **lanceolatis** squamis adpresse pubescentibus, margine albo-membranaceis breviter et **lanceolatis** ciliatis, in spinam flavidam basi pinnato-spinulosam patulam vel recurvam **acerosam** us duplo longioriem attenuatis, squamis intimis apice late hinc mulicis vix lacinis: flosculis pallide cinereis eleganter aurantiaco-striatis non radiantibus, antheris multo ^{se} purpureis, achaeo hirtulo basi circa areolam longe penicillato, pappo albo us aequo longo terminato, setis ab extensoribus brevioribus sensim elongatis. seriei intimae lationibus peltatis connatis, achaeo dimidio brevioribus. — Crescit in sylvis ad radices Libani, in Goelesyna inter Aieie el Deir el Achmar.

- 1? *G. CROCODYUOIDES* Boiss 1. cit p 118 f—Annuo vel biennis carte v̄rgnt© elato paice puberulo a9|>eio acule angulalo, superne ramoso ramis striclis elongatis nudis monocephnlis folns vindibus aspeulils, infenoribus lyratis, lobo terminal! oblongb in-te<?ro vel denticulate lateralibus minoribus 4—6 oblongo-lineanbus, folus supenonbus pnnatiparlitis, lacinnis omnibus anguste lineanbus, capitulis magms, involucln globosi glabn squamis abeuntibus in appendtcm brevtter decurrentem, superne nigro-fusoam, margine regulanier albo-flmbnatam, flmbrns appendicis diametrum aequamibus, apice spina tenw erecta, infenorum abbreviate, supenorum squamom supeianti tfermuatam, flosculis roseis, neutns valde radiaftibus achaemo compresso pilis flavidia detersilibua pubescenu. pappi satis extemis tenuibus albis, ab exlimis brevissimis ad intimas achae-mo subduplo longiores senaim auctis, senei intnnae paleaceae aohaemo dimidio bre-vioris paleis rufis trunoatis denticulatis arete commveotibus. — Crescit in collibus Ga-lilaeae ad plantiem Esdraelon
- *8 *G (Crocodyhum) PESTALOZZAE* Boiss 1 c p 118 f — Acaulis rhizomate cras-siu&culo veiticali, folus omnibus tadicalibus losulatis, pilis longis sub lente annu-laiis lupidis gn&cis, ambitu lmeau-oblongis pinnalipailitis, segmenlis minutis obovato-spaihulalis oblusis mucronulatis basi atteuuatis integns vel obsolete dcnlatis, lobulis miuutis inter segmenia inteijeclis, capitulis inter folia sessilibus inediocnbus, involu-^o glabn squamms pallide flavis anguste albo-mprgmaUs cilialis, cilus versus apicem squamae elongaiis, spma teirainali tcnuissima flava eiccto-patula, squamae aequilonga vel brevion squamis nitimis appendice ovata cucullata denticulaio-lacera terminatis, Uoscuhs luttis achaemo dense birsuto, pappo albido achaeo longiou — Ctescii in mome Akdagh Lyciae
- 19 *C (Y/efcocenii on) IDAEA* Boiss & HeUJr. in Boiss Diagn plant, onent nov X p 11J t — Biennis? adpiesse arancoso-cancscens follis fere omnibus rosulatis humi expansis, ambim linean - spathulatis lyrato - pnnatipartitis, lobis laleralibus numerosis mmimis •lunculaeformibus ovato - tnangulanbus acutiuscule V—3-denUculalis subrelrorsis, ver-sus basin foln deciescentibus, terminali alus tnplo majon, basi truncato vel subcordalo deltoideo saepius tiansverse laiori. rhachide inter segmenta minute lobata, lollls cau-^onia inferioribus minoribus, lobis lateralibus 2—6 dentiformibns. tdiminall oblongo mu-cionato, folus supremis lirtin-oblongis, basi atteuuatis vel linearibus mucronatid an-Sustissime et iniegie decurrentibus, caulibus pluiibus e centro rosulae tftcendentibus Pumilis, superne ramosis, ramis elongatis ancipili - subalalis monocephalis, capitulis nicdiocnbus, involucln globosi demum glabi ebcentis squamis ad precis vindibua, mar-que nou membi'diiaceis, ifl spiuam acerosum palulam eiectauive, lloiea superaniem, squama 4—5-plo longiorem non canaliculatani, basi u^tulatam duabusque spiiiulis ustu-!atis bievibus uimque auctam, superue Havana abeuntibus, squamis intimis in appen-diceoi angustie membranaceam usululam spinuloam vel mulicam abeuntibus, flosculis !uteis non ladiantibus. achaeus mmimis, albis maigiuahbus nudis, caetens pappois, Pappi setis tenuissimis albis. senei extenons achnenio aequilongis, intenons achaeoio sextuplo bre\ionbus — Crescit in saxosis regioms sylvaticae monUs Idae at monium Sphaoticorum alt 3000—5000 ped.
- 20 *C (Calctrapa) BREVICALIS* Boiss. 1 c. 120. f— Annuo v<d bienwi: caulibus bre-vissimis prostratis flaccidis simplicibus vel parce ramosis crispule papillosis, folifs flaccidis asperulis virentibus lineanbus pinnaliparutis, lhacbide late linaan aaope lobu-!ata. segmentis anguste lineanbus nerum pinnaulobw vel indivisia onapoto daaticula-!>s. teiDinah saepe longion. capilulis 1-2 secus ramos breviter pedunoulatM termi-nahbusque solitams mediocnbus, m*olucris horndi squamis stramineis brevissimis, 'nargme non membranaceis, in spioam slraameain nitidatn latam. superne planam, •nierne convexam teneram medulla farctam palulam, flonbus duplo longiorem, basi utrinque 3-5 sptnuJH brewssimis stipatam abeuntibus, squamis lmlms muticis, apice Qnguste merabranceif, Ooaculis luteis non radiantibus. achaelis stramineis, pappi sens extenoribua alb" tdnuisumi* achaemo paulo longionbus, senei internaie minu-iissiinis vix perspiciu* nrtescenUhus. — *C Calctrapa var. brevicauls* DC. -* Crescit m Aegypto ad npas Nili.

- 21 C PAMPHYLICA Boiss ft Holdr 1 c f — Dienms cauhbus teretibus crissiusculis stnatis foliosis dirhotome ramosis folns aspens pnrerque papillosis flaccidulis, ambitu oblongis pinnatipnrtius ihachide segmeulisque anquste linearibus oblongatis minute deniculatis, ad deniuculos et apirein spinuhs aculeiformibus albis mimmis crebre ob-
sitiis loins sumnriis oblongo-linearibus lobalis capilula biactantibus taque aequanti-
bus, capitulis in dichoiurons supremis subsessilibus terminalibusque solitanis medio-
cnbus involucln glabu squamis adpressiusculis conaceis virentibus, infenonbus apice
tiuncatis subpalnidtm el bie\ssime 5—7-spinulosis, spinis crecus, Inlerincdiis paucis
in spinam validam duiam luti&cenlem patulam lanceolatam, supia canaliculatam, flos-
culis sublongiorem. ima basi spinulosum abeunlibus, supremis appendice membranacea
rufescenti ovaia lata deniugulata meimi lerminalis, Oosculis roseis non radianlibus.
achaenus ovalis compressis minimis, omnibus nudis. — Grscit ad campos el vias
Pamphyliae ad iluvium Cestrum
- 22 C ARANEOUSA Boiss I cit p 121 f— Tola papillis crispis arneosa grisea cauhbus
angulaus prostralis lamo^issimis, folns radicalibus bipinnaupartitis, partiliombus pn-
mnrus rhachidoque linearibus elongaiis terminal! lineari longion ranus oblonga, par-
titionum scgmeniis mimmis ovalo-oblongis, folns caulims oblongo-lanceolalis latius-
rulis irrifuljiiter lobalis deniculaiique, denticulis mucronulalis, capitulis breviter
pedunculaiis folns supremis ea subaequantibus braclealis involuclro ad spinarum ba-
sin aianeoso lanalo, squamis aide unbucaiis virescnlibus, inflmis integeinmis, spina
recta tenui us acquilonga vel bievion teimmatis, inteimedns in spinam validam pa-
luldm ilivim duram, basi laian canaliculatam spinulisque 3—1 utimque auctam, flos-
culis acquilongam vel longiorem abeunlibus, margine non membranaceis, squamis
iniiims appendice membianacea denticulala cucullata pallida terminatis ineunibus.
flosculis lulus non iddiantibus, achaenus minimis, pappi setis extenonbus tenuissimis
ilbis. athdenio subaequilongis intimis rufescenubus inter se remotiusculis brpvis-
simis.
var p *tenmfoha* humae foliorum angustiores spinaeque capitulorum basi paulo
minus dihiatae, caelcrum omma speciei — Ciescit species in arenosis praeserlini
mantimis Palacstinae, enca Gizn, ad radices septentnones Carmeh sub coenobiOi
vanetas ad meridiem urbis Gaza in legione Amalecitanum
- 23 C. HERWONIS Boiss 1 c 122 f — Tola breviter pnpillosa gnseo - virens * caulibus
tereibus acute stnatis reclis, a basi dicholome ramosissimis, folns praeter pilos an-
nuldto-crispos aspens, ambitu oblongo-lanceolalis pinnatipartiis. segmentis linean-
bus, a media parte rhachidis utrinque deciescenlibu*. iterum pinnatipartitis lobatis
denuculaiisve, dentibus in aculeolos calcareos albos abeunlibus, folns caulims supe-
rionbus lineari - lanceolalis denticulatis, supremis ad basin capiluloium reflexis i^s
aequilongis, capiliriis numerosis secus ramos sparsis subsessilibus terminalibus. invo-
lucn glabernuu squamis luleo-virentibus angustissime et mlegre membranaceo-mar-
gimlis inflmis in spinam brevissimn ranus 2 spinulis obsitam abeuntibus, inter-
meddiis in spinam flavam acerosam patulam, supeine canaliculatam, flosculis multo
longioiem, basi 2 — 4 spinulis obsitam abeuntibus, intimis appendice ovata roembra-
nacea Integra termmaiis flosculis flalido-ioseis non radianlibus acaenus oblong^
compressis, pappi exitnons sttis albidis tenuibus, ab exiimis brevissimis ad mterio-
res achaenio breviores sensim auctis, senei intimae tngulan - lanceolatis ~~drasulis~~
bievissimis — Crescit cuca Rascheya in Antilibano et in siccissimis regionis ~~inferio-~~
ris Hermoms

t Species aubdublae.

24. C. GAYANA Remy in Gay, Historia de Chile (Bot) IV pag 310 f — Incano-tom«n*
tosa caule anguldto-stnaio, folns oblongo-linearibus sessilibus, obtuse et aequali*cr
eientodentatis, unritque incanis, Capitulo in apice rami longe pedunculato: involucln^l
squamis apice late scanosis, n regulariter lacens fusciscentibus. — Crescit ID P^{roy#}
Chilensi Coquunbo

25. C. MONOCEPHALA Remy 1. c. 311. f — Rhizoraale crasso; foliis omnibus radicalibus, longe peliolatis oblongis subacutis, irregulariter lobato-crenatis, vel vix crenulatis, utrinque subhispidulis, viridibus; capitulo solitario sessili; involucri squamis scariosis, extimis integerrimis, in spinulam abeuntibus, inlimis tantum looeria. — Crescit in Chile prope Nacimiento.
26. c. DIANTHOIDES Remy 1. cit. pag. 912. + — Caule angulato-striato ramoso, basi lanato. demura glabrescente; foliis anguste linearibus. apice subulais integerrimis, subtus revolutis, utrinque scabris; capitulo solitario terminali; involucri squamis apice pecinatis. — Crescit in Chile.

f t Icones addendae.

- C AMERICANA Null. — DC. Prodr. VI. 575. no. 47. - Van Houtte, Flore des serres IV. tab. 327. "
- C CANARIENSIS Drouss/) - DC. Prodr. VI. 577. no. 61. - B. Webb, Phytogr. Canariens. H. 355. f tab. 118.
- C OLIVIERII DC. Prodr. VI. 590. - Jaub. & Sp. 111. pi. orient. III. 138. tab. 292.

Subtribus VIII. CARTHAMEAE DC. Prodr. VI. 609.

2874. KEHTTROPHYIIIIITJn Neck.

(DC. Prodr. VI. 610. ft VII. 304. - Wiprs. Report. VI. 302.)

- *^K (*Alraxyle*) SYRIAOUUM Boiss. Diagn. plant, orient, nov. X. p. «8. + — Bienne: caule parce crispo-lanato vel glabrescenti ramosissimo coryoboso-paniculato; foliis breviter hiriellis et sub lente glanduloso-punctatis, inferioribus tenerioribus cito exsiccatis pinnatipartitis. laciniis linearibus denliculatis. margine et apice tenuiter spinulosis, foliis superioribus duris rigidis nervosis oblongis vel oblongo-lanceolatis canaliculatis subrecurvis, utrinque 2—3-deniato-spinosis, in spinam duram navdam abeuntibus; capitulis minutis breviter pedunculatis: involucri phyllis exterioribus foliis supremis similibus viridibus coriaceis oblongo-lanceolatis subtrinerviis, basi utrinque pinnatim 2-3-spinosis acerosis erecto-patulis ilores subaequantibus, interioribus scariosis oblongis lanceolato-linearibusque integerrimis acuminatis subpungentibus. flore paulo brevioribus; Horibus purpureis; achaeniis ovatis tetragonis rugulosis, marginalibus cal-^v«s. interioribus laeviusculis papposis; pappi albi paleis ab externis truncatis ad intermedias acutissimas sensim elongatis, serie intima triplo breviori. — Crescit in Syria inter Edlip et Aleppum, in siccis Coelesyriae et in oolibus prope Anilochiam.
- ²« K. CRETICUM Boiss. I 99. t — Bienne. totuin lana sordida parce araneosm praeterea-que ad folia breviter glanduloso-puberulum: foliis lanceolatis. inferioribus pinnatipartitiis. caeteris canaliculatis recurvis. inferne lobato-spinosis, margine dendulatis apice aceroso-acuminatis; caule superne divaricatim ramoso subcorymboso; capitulo pedunculatis brevibus suffultis, saepius congestis; involucri squamis exterioribus foliaceis o basi breviter ovata araneoso-lanata anguste lineari-lanceolatis trinerviis aceroso-acuminatis, utrinque pinnatim 4-6-spinosis patulo-subrecurvis. flosculos superantibus, interioribus scariosis lanceolatis acuminatis integerrimis, nonbus vix brevioribus; flosculis purpureis, achaeniis omnibus papposis: pappi rubelli paleis ab infimis retusis intermedias acutas sensim elongatis, serie intima triplo breviori. - Crescit in Crete.

*) *C. hyvericifolia* Urousson mss. — *Plosimopapptu Canariensis* Doiss. —^{if}Cf. p. 930.

3. K (*Thamnacantha*) AUREUM Boiss I c f- Bienne glaucescens, totum flavicans caule tenui terei a medio rainooo coqaibobo poꝓcephalo, ramisque flexuoms albidis, folus inferioribus cito exsiccatis leneuonbus lanceolaiis acuiis. basi in petioium atienuatid denliculalo-spinulosis, supeuoubus ngidis neivo&is canahculalo - plicatia sessilibus, e basi laiion roturidato-subconlita lanceolatis, margme pectinato-spinosis valde pun- genibus acuminatis, capitulis terminalibus solitarus pedunculis foliosis suffultis, mvo- lucn glabnustuli squamis sub Ionic mmulissimo pruinoso-pubciulis, extenoubus fo- lus simililms ngidis iingusie lirunu-lanceolatis. «upia plicatis, subtus cannatis, in- ferne crebre longiusciile ci tcnuiler ad imrgmeni spmulosis, longe altenuatis acerosis eretto-paluhs, (lores subsuperannbus sqtnmis interionbus flosculis paulo breviori- bus oblongis lineari-lanteolalisve subscauosif flavulis plains, ttnmter muliistnatis in- tegernmis subulalo-aruminatis, intimis inr rmibus flosculis intense luteis, antbrarum fllamontis loiquaio-pilosis, achaenns marginahbus epapposis laeviusculis, interioribus tetragoms. suporne parco rugulosis, caeterum laevibus, pappo violaceo non deciduo muluseriali us longion superatis pappi paleis ab mflmis retusis ad intimas acutiuscu- las sensim elongaus donse subplumoso-ciliatis — Crescit in cultis derelictis plamlie- lum elatarum Synae inter Cdlip et Alcppum et in Goelesyna.

2875. CARTHAMUS *Tournef.*

(DC Prodi VI 611. — C H Schultz [Dip.] in B Webb. Phytogr Canar II. 363 sq ad hoc geuus *tarduncellum* Adans., *Kenrophyllum* DC, *Uohenwartham* Vest, et *Onobroma* DC. revocavit)

2877 CARIMJIVCELil.US *Addns.*

(DC. Prodr VI. 614. VII 304. - Wlprs. Report II 672)

1. C EUOGCPJJAIUS Boiss. Diagn plant orient riov. X. p. 100. f— Caulo simplici, us- quo ad npiccm fohoso aogul.ito-sinato monocephalo, suporne paice lanato, folus glbnbusculis. rigdis ncvrosis nitidulis palhde vnentibus, mfonoribus oblongis, basi in pctiolum alionuatib denliculalis, supeiionbus ngidionbus, e basi sesbili subcoidata ob- longo-lautcolalis acuinmalis pinnalilldo-spinosis, capitulo magno, mvolucn squamis exienoiibus .nfunu laxe arachnoidto - lanalis ngidis, folus similibus sed angustioubus quinqucnorvus, a basi laiion angusle lanceolatis, margine tenuiter spinosis altenuato- acerosis subincuma flores subacquautibus, inteionbujB scanosis pnulo brevioribus ob- longis lincanhusvo, <uperne murgine lanatis, apico ciliato-ftmbrjatis, spinula cilns paulo longiou validionque tcnmnaais, flosculis caeruleis, pappo plumpso. — Crejcit in rtigione Amalecitarum ad mciidiem urbis> Gaza

Sublnbus X. *CARDUMEA* DC. 1. c. 617.

2881. OSTOPORDolir *Vaill.*

(DC Prodr VI. 617 VII 304 - Wlprs. Repert VI. 303, Annal I. 451)

1. 0 BRACTEATUM Boiss ft Heldr. Diagnos. plant orient, nov X p 91. f — Totum ad- prcssae araneosum mvcum caule crasso alato, supeine polycephalo, folus oblongo- lauceolatis breviter Jobalis, lobis lanceolatis subindivisis, in spinas flavas validas abeuntibus, folus supiens anguste lanccolato-lincanbus, ad capilulorum basin pluui- bus involucianiibus, ^quaiaas saepe acquaubub., ahş. caulis et ramorum oumeiosis

conunutt, niveis ereberme lobtlati teituterque flavo-spmosissimis. caprtulis magnis, basi suburuncatis, invoicn glafen squami* inferne latissima- plants longe attenuaus aubululis validis paluio-refloxis, (lores aequantibus, ab extenonbus ad intimas reclas sonsun elongatis, Don bus roseis — Crescit JO saxosis propc Aglanaeua ad radices monus Ooudroun Pisidiae

- 2 0 ARGOCUCUM Boiss 1 c 91 f— Totum glabre^cens virens, ad caules el paries superores viscido-hirlum caule ramoso, foil is tneris, subtus roticulatjs rugosis lanceolalis pinnalipartilis, segmentis oblongis lobntis subieiiorsis, lobis iriangulanbus in spinas lenues breves abcnlibu&, fili& caul15 tt lamoium mterruptis broviter subpalmtiui spinoMb, capitulis rotundis, mvolucio inter pariein mfenoiem squaraaruin valde aianeoso, squamis viscidulis vircnlibus, angusle lanceolaio - subulatis subaequiloagis, omnibus squanobO-pateniibus — (icscil in ludoiaais prope INaupliam ad ladice* mpis, cui arx Palmmedis insidet, lalere mendionih
- 3 0 CARDUIFORML Boiss 1 c 92 f— Totum aianeoso-canum. caule humili, inferne ramoso. superne 1—3-cephalo pedunculisque angubiissjine alaus spinulosissimis, foliili lanceolatib lenuissime bipinnaii^cciiis, in alas angu<tsaunas spinosis^imas dciuricnubus, lacimis subulaiis in spinas numerous lenuc» breves llavidas abeunlibus, capitulis mediocribus, mvolucu inferne valde albo-lunali squamis lanceolatis plams, apice aUenuaio->ubu]atu>, purum inaequalibus, miimis erectis, caeieus patulo - deflezis; Qoubus purpureis. — Crescit in Palaestina oircu Gazam
- 4 0 FLOCCOSUM tioiss I. c. f — Totum lana floccosa densa non adpressa facile secedenli araneosum caule lamoso pleiocepbalo folus lanceolatis ad costam fere usque paitius, subius reiioulato-n^rvosis, seginontis lotundatis circumcirca radmum lobausv in spinas flavas validas abeunlibus, alls CJUIS el ramoiom angetis interrupts, ad spinas tlavas longiusculns fere reductis, capitulis mediocribus, involucn inferne valde lanali squamis a basi latiori plana lanceolatis canaliculatis validis actrosis sublnque-tns longis erecto-patuhs, ab infimis brevibus ad intimas longiores sensim elongatis, flores roseos aequantibus — Crescit in aridis prope Eden Libani
- 5 0 ANISACANI HUM Doiss, 1. c. 93. f — Totum dense ct adpresse oiveo-araneosum. caule simplici vel parto lamoso, folus lanceolalis breviter lobaus, margine spiuulosis, lobib brovibus in spinas flavaa tenues us aequilongas abeunlibus, folus supremis linear^subulatis slnctis subiniegnis, alis caulii ct lamorum continuis angustis submtegnis bpmuloMs, capitulis latis depiessis, basi subti uatalib, involucn in feme mvei squamis pane supenon glabrt&ccnubus, infimis ndpre^siuscule brevibus, lenuissime apice subulaus, intermedia e basi Kita recuivis longis^uuis, suporne angusie lonceoloto-lineanbus plamusculis acerosis, intimis subulaiis rtttis, flosculos dimidios lanlum aequantibus. — Crescit in Codes)ria tircu Balbok
- 6 0. ALEXANDRINUM Doiss I c f- Parce gi iseo - araneosum vel glabrescens caule romosissimo, follis lanceolatis pinnatipartuis. segmentis rotunda!ia plicatis lobaiis, circa folii rbacttidem subverticillatis romotiusculs subbullato-rugosis, lobis brevibus in spiuas flovidas*breves abeunlibus, alis ramorum angustis patule el flavide-spioous-simis, capitulis parvis subrotundis, involucn parce gnsei aianeosi squamis a basi lation anguste lanceolalis subulato-acuminaiis, praeter intimas rectas, patenti-recuivis, ntermedus infimas el superiores superantibus, flonbus roseis. — Crescit circa Ale-iQndnam Aegypti

2882. CYHFARJL *Vaill.*

(DC Prodr VII 680 VII. 3Mi — Wlpis Report II. 673)

¹ << MBTI10RPIANA BQISS. 8C Heldr. Diagnos plant orient, novi X. p.94-f — Humilis folus fore omnibus radicalibus, petiolo brevi spmuloso brevisjim© pappillosb-birto wf-

fultis. supra glabris, subtus adprosc cams, orbitu late oblongis pnnatipartitis, segmentis oblongo-elongatis, basi discretis vel confluentibus, ad medium usque lobatis, lobis trlangulanhus hrevibus, in spmas bieves fusciscentes numerosas abeunubus; caule 2—3 lolia minula gerenti monoccephalo, folus radicalibus bievion, involucri squamis laws glabris, exlerionibus tnangulanbus brevibus plants breviler apice spinosis, caetens sensim elongalis, supenonbus basi dilalalis, in appendicem ciassam canaliculatam subulatam longam accrosi&siimm abeuntibus, intimis bievionbua lineanbus mermibus, ..flosculis nlbis, sens achaemo quintuplo longionbus •' — 6 *humilis* Fl Graec — Grescit in Pcloponneso et Creta

2. *C. SYRIACA* Boiss 1 c f— Folus radicalibus amplis, ambilu ovalis petiolo canaliculato, margine remote spinoso suffTulus pnnntiseclis. segmentis utrmque 5—6 lanceolatis elongalis acummatibus, supra glabrescentibus, sublus canescentibus reliculato-neivosis lobatis, lobis tnangulanbus. spma bic\i flavesc nte lerminalis, caulibus elatis crassis small* aranoo&o-cams, apice coijmbosis congesum 3—7-cephalis.tlolus caulinis tenuius lacimalis, superionbus lmrriibus pinnlilohatis, lobis indivisis crehie aurantiaco-«pii>osis. involucro ovato, a basi latiori truncata aitenuato, apice subconstucto, squamis glabris rubellis arete imbiicatis ab inflmis ad supenores sensim elongalis ovatis vel oblongis planis, apice appendice reflexa, basi obcordata, in spinam altenuata, us acqulionga vel brevion auctis, supenonbus erectiusculis, intimis paucis angusie lineanbus, flonbus violaceis — Grescit m pinguibus Syriae.

t Icon addenda*

- C. HORRIDA* Ait — DC. Prodr. YI 620. no 4 — C H Schultz (Bip) in B Webb, Phytogr Gananens II 384. f tab. 114

2884. C%RDIT17S *Grtnr.*

(DC Prodr VI 621 VII 304 - Wlprs. Report. II 673 VI 304, Annal I. 451)

1. *C. AUSTRVLIS* Alex Joid Giames rtcolttes au jard botan. de Grenoble en 1849. pag 14 no 1 — Capitulis terminalibus soli tains erectis, pedunculis tomentosis alflit^s vel apice subnudis, involutri subrotundo-ovati subarachnoidei vel glabn apice baud consincti foliolis dense imbncaiis iineabus, margine aspens, dorso leviter caiinati* apice attenuatis spinuloso-cuspidatis, extenoubus erecto-natulis, caetens a mad^o palulo-renexis fohn intense vindibus pilomusculis glabrisvc oblongo - lmeanbtis •' nuato-pmnatifldis. segmentis ovalis lanceolatihive tenuiier acummalo-spinosis inaequa-Jitei 4—5-dentato-spmulosis, radicalibus elongatis m petiolum angustatis, cauhs d* currentibus, caule erecto apice ramoso, lamis patulis pleiocephalis — Hanc speciem « nullis pro *C mgiescente* Vill habiiam ipse olim ad hunc retulit auctoi, sed recentibu* observationibus culturaque edottus a tnms speciebus m tertio Ob»ervationum suarum fragmento propositis nunc diversam iudicat. Quam autem plantam sub *C mgiescentis* VIII nomine desenpserat, nunc *C reewvatum* vocavit. quum hujus folia smt minus qua* m *C spingero* suo nigncantia Huic ultimo nomen Villarsianum, si retmendum. P^o tius adsenbendum ent — *C austrahs* a *C. Vivanenst* Jord. dignoscitur capitulis defloratis baud ceinuis. pedunculis haud apice longe nudis, involucri basi hand umbiH^ apice haud eximia constricti foliolis, exlenoubus suberectis longionbusque. caeterU infenus reflexis, folus angustionbus. - A C . *recurvato* Jord differt capitulis minoribus, Ooribus intensius purpuien. foliolis involucri exlerionibus erecto -paiulis. caeteri* haud infra medium reflexis. achdeniu, palhde flavescens. spinulis foliorum deblo-nbus. folus angustionbus colore violaceo-fusco ad marginem haud insigmus. I«^{blj} eorum magis approximate brevionbusque spipisque multo tenuionbus. - Crescit»» Galliae legiombus mediterraneis.

2. C. ESDRAËLONICUS Boias. Diagn. plant, orient, nov. X. p. 90. f — Caule elato puberulo alato folioso, superne siricte ramoso; foliis supra parce. subtus copiose araneosis oanis teneris lanceolatis pinnalipartitis, in alas angustas saepe interruptas lobulato-dentatas crebre spinulosas per tofum coulem dirurrpntlhus, lobfs irrcgnlarihus triangulalibus lobulatis breviter spinulosis; pedunculis cnnis siricfcis foliorum superiorum derurreniia spinulosis 1- rarins £—3-cephnli*, corymbum laxura effbrmantibus; involucri squamis viridihus, sub lente breviter et adpresse seiulosis parce pilosulis. e basi enervi subdilalata lineari-lanceolatis trinerviis longis adpressis. ab oterioribua ad intimas sensim elongaiis. omnibus spinula brevi termimnis; receptnculi selis paleacea innngis minusve dilatatis, saepe apice 2—3-fldis; flosculis purpureis involucrum non superantibus; achaeniis visculis Jineolatis. — Crescit in huraidis planitici Esdraflton et Galilaeae~superioris ad Bohr ft Houlch.

2885. **CLAVENA** DC.

(DC. Prodr. VI. 633.)

- ¹ CL. BAEOCEPHALA C. H. Schullz (Dip) in B. Webb, Pbytogr. Canariois. II. 373. f tab. 112. — Acliaenia obscure brunnea, striis obscurionbus maculata, bujus generis minima V, — $\frac{3}{4}$ lin. Jooga ovato. compressa. nectario parvo sessili tereliusculo dilute flavenie; Ilores albi, superne purpurascetes 5y_a lin. longi; caules spitbamaei, foliorum Jineari - lanceolatorura decurrenliis spioostssimi; capiula aggregate >arva; involucri squamae lineari-lanceolatae spinosae. — *Carduus baeocephalus* B. Webb msa. — In Canariis.

f loon addenda.

- ^{CL} CANARIENSIS DC. 1. c. no. 1. — B. Webb, Phytogr. Canar. II. 375. f tab. 113. (sub *Carduo clavulato* Lk.) .

2887. **CIRSIUM** Tournef.

(DC. Prodr. VI. 634. — Wlprs. Report. II. 674. ft 992. VI. 305. ft 732. Annal. I. 452.)

- * ¹ > (*Lophiolepis?*) POLYACANTHUM Hochst. mss. ex A. Rich. Tent. Flor. Abyss. 1.456. ~ Caule erecto ramoso, striato glabro aut vix puberulo, alato, alis interrupts incisobentis spinosis; foliis caulinis sessilibus elliplico-lanceolatis acutis, margine pinnatifidus, segmentis semi-ovalibus acutis inciso-dentatis, spinosis, sinnbus obtusit separatis, utrinque glabris; capitulis globosis 2 — 3 aut soJitariis ad apicom ramulorum; involucri squamis imbntatis lanceolatis, apice longe spinosis. margine ciliaio-spiouiosis glabris; fructibus compressis glabris. — In Abyssinlae prov. Sdmiene. ^
2. C. (*EriolepU?*) GBRHARDTI C. H. Schulw (Bip.), Flora (B. Z.) XXIII. 647. — Folioam supra spinuloso-hirtorum, semidecurrentium, infra arachnoideo-aublanaionim ^i oblongo-lineari-lanceolati; semidecurrentiae subuequilatae: capiula ovata parce orachnoidea; involucri foliola superne squarrose arrocta. spinam versus paulo dilatata, rubro-brunneo-colorata; Hores rose! (vel rubro-brunnei), compiinulii (5y» lie. longa) lubo (8% ii_n i_{on}gO) dimidia parte brevior; achaenia fere 2 Un. longa (omnia?) sessilia. - c. *eriphoro-lanceolatum* C. H. Schuiw (Bip.) mss. - Crescit ad ripas Rheni fl«minis superioris.
- ^{3< e} = (*Eriolepis*) ABYSSINICUM C. H. Schultz (Bip.) mss. ex A. Rich. Tent. fl. Abysi. I. 456. — Gaule erecto. ramoso 3—5-pedali; ramis teretibus strialis villosito-tomenteUia, in parte superiore alatis, alis profunde inciso-dentatis spinosis; foliis caullaia sessibus lanceolatis acutissimis pinnatifldis, segmentis lanceolatis aculissimja, margine

- saepius integrjs ciliato-spinosis. apice in spinam rectam desinentibus, superne hrtis, subtus cano-tomentosis capitulis in partr nniorum supenore parce aggregatis, involu-
lucn basi globosi squamis numerosissimis lanceolatis floccoso-subaiachnoideis, apice
abrupte in acumen longius spinescens simplex desmenlibus, achaemis ellipsoideis
compressis laevibus papji plumosi sens barbellalis longissimis — In Abyssinia.
- 4 C OCHROCENTRUM A Gra>, Plant Fendler 110 no 447 f— Caule foliosissimo erecto
folusque sublus lanugine densa imams folns pnnalifidis sessilibus, summis subdecur-
renlibus, supra arenosis, lobis bievibus saepe bilidis (ladicalibus pinnatisectis, pinms
elongato-lanceolaiis acuminaiis inciso-pinnalifidis) spmis llavicanl bus horudis, tapi-
tulis subsoliarus ad apitem ramorum foliosorum sessilibus, involucln globosi squamis
glabris in spinam validam flavidam abiupte desinentibus — Habitat in Nova Mexico
ad St Fe'
- 5 C COULTERI Harvey & Gray 1 c adn — Arachnoideo-tomentosum c&nle ramoso.
folns cnilmis oblongo-lanoolatis subamplexicaulibus undulatis simians spinescentibus,
supra hxe drachnoideis capitulis maximis ebractcatis solitaius. squamis involucln
arachnoideo-hnosissimi laxo imbucatis tectis, demum patontibus, omnibus e basi bievi
lanccolala vel oblonga in appendicem acicularem praelongam apice cuspidalam sensioi
attonuau — In California
- 6 C (GOJ ynt tnchnm) ORCITHALCS Ilance, PI nov Auslr Gbin diagn ined. I. p 20 —
Caulibus subsimpliubu* aiachnoideis sluato-sultatis, basi foliosis, apice subnudis, folns
sessilibus, supia glabiis, sublus cams lanaiisv aranooso-lomenlosis lineaubus, margine
flavo-spinosis integus vel 3—5 pinnatiQdis, pinms parvis denliformibus spinosis spi-
noso-aiienuaiis capitulis campaniformibus solilams ad apices ramorum v, caulium
subnudoium — Hab in insula Hongkong ad cacumma montium
- 7 G (*Onotrophe*) ILYGR0PIIILUM Boiss Diagnos plant onent nov X p 89 f—Totum pa-
pillis cri>pulis spars is obsilum vel glabrescens virens caule sulcato folioso, superne
parce et laxo corymboso-paniculalo, folns oblongo-lanceolatis laevibus irregulariter
et parum piotunde lobatis, longe crebre et tenuitei flavescenli-spinosis, basi in alas
spinosas angustas decurrentibus, supenoubus diminulis pinnatipaililis spinosissimis
tapitula magis minusve involucianubus usque brevionbus, involucln hemisphaerici gla-
brescentis squamis ab exterioribus in spinulam flavam us bieviorem adpressam vel
apice subpniulam abeuntibus, ad suppiorea violaceas in acumen merme abcuntes sen-
sim elongatls, flonbus purpureis. filamenlis valde papillosis — Crescit in humidJ*
oiontis Toischal prope Teheran, in monte blbius prope Passgala in Persia
- 6 G LYCAOMCUM Boiss 8c Heldr I c 90 f- Glabrusculum caule elato sulcato.
supcioe dense folioso, apice mogis minusve laxo corjmboso-paniculalo, folns gl&'
bns vindibus lanceolatis in alas spinulosas angustas foliaceas contnuas secu'
totum caulem deouirenubus pinnatilibatis, lobis 2—3-ililis, lacinnis in splna'
tenues flavidas longas abeunlibus, folns summis secus pedunculos angustis pi^o'
naliparliis valde spinosis, capitulis mediocnbua, involucln globosi squamis viscidul[^]*
apice parcissime lanatulis, infcnonbus oblongo - lanceolatis nigrcantibus spinul*
adpressa brevi abrupte terminatis, mienoiibus lanceolatis acuminatis ineimibus. fl^o'
nbus pallide rosus, filamenis valde papillosis. — *C uliginosuni* Heldr. mss. [^]
Grescit mier lapides deciduos in locis iinguis itgiouis supenons montis Anemas F3'
caomae alt 6000 ped
- 9 C. MAXIMUM Bnlh Plant Hartweg p 289 — Elatum arachnoideo - lanatum foli^u
amplexioauuius, profunde pnnalifidis, lacinnis lanceolatis dentatis subpinnatifldisqu⁶*
dentibusque omnibus spinifens, capitulis paucis coiymbosis magms ovato - globosis,
squamis adpressis, extenoiibus lanceolatis aractnoideo-lanatis ngide spiuosis, *****
rionbus lineanbus muticis subcoloratis — Lana arachnoidea vix a pagina supanor⁰
foliorum infenorum detergiui Folia valde spinosa. infenora pedalia vel longo^orn
Capitula pedunculo folialo sublensa, biacleis 2—3 pinnatifldo-spinosis brevibus fuW^u

3. poll. longa. 2% poll. diametro. Involucri squamae interlores rabentes elabrae «••. noribus multo longiores. Pappi setae inaequilongae. usque ad duas tertias plumose' apice integrae leviter incrassatae et acutae. - Crescit in montibus Santa Rosa.

- Jo. C CHINEMSE Gardn. ft Champ, ia Hook. Kew gard. misc. I. 323. - Caule simpli monocephalofoliosoangulatosublanuginoso; foliis sessilibus linearibus acuminatis cum mucrone rigidulis indivisis setoso-ciliatis, utrinque glabris; capitulis bibracteatis; bracteis foliaceis capitulo brevioribus; involucri squamis adpressis linear! - lanceolatis acuminato-subspinosis, versus apicem sublamiginoso-arachnoideis, intimis longioribus, margine ciliolatis, apice acuminatis scariosis reflexis. — Herba 1%-pedalis. Radix et folia radicalia ignota. Capitula pollicaria. Costulae purpureae. Filamenta bispida. Pappi setae inaequales, plures apice clavulatae. — Crescit in montibus Hong-Kong.

t Specie* hybrid*.

- C UNCEOLATO-EKIOPHORUM F. Schult. Flora (B. Z.) XXXII. 228. - *C. Jaegeri* F. Schult. — *C. grandiflorum* Kittel.

t f Iconea addendae.

- f. R. P. RACANTHUM DC. 1. c. 640. no. 3. - Wlprs. Anna!. I. 453. - Wght. Spicil. ^e'gh. II. tab. 116. 117.

- C. ARYENSE Scop, — DC. 1. c. 643. no. 52. — Torr. Fior. of New York I. 407. tab. 61.

Subtribus XI. *SERRATULEAE* Lssng. — DC. Prodr. VI. 662.

2894. RHAPOTICULI DC.

(DC. Prodr. VI. 663.)

1. R. H. ACAULE DC. 1. c. 664. no. 8. - Lindl. ft Paxt. Flow. gard. I. 61. fig. 40.

2895. JLEUZKA DC.

(DC. Prodr. VI. 665.)

1. Lt *f. nimum*) SCLEROPHYLLA Boiss. ft Heldr. Diagnos. plmrt. orient, nor. X. p. 97. f. ~~ Glabruscula: caule anjfulato striato bumili flexuoso 2-3-phylo moocephalo; foliis n'aceissimis ovatis, praeter costam mediam validam utrinque elevatim reticulato-ner- vosis, circumcirca grosse dentatis, dentibus margins incrassatis triangularibus obtusissimis, inferioribus petiolo brevi piano ancipiti semiamplexicauli, supra laevi. subtus riatu suffultis. raro basi duobus segmentis minutis linearibus metis sublyratis, foHo Periori sessili; capitulo magno bemisphaerico. pedunculo crasso folio supremo breviori suffulto: involucri glabri squamis regulariter et adpresse imbricatis, ab inferiori- j! U s ovatis oblongisve ad intimas elUpUco-lineares sensim elongatis plaois parallels -ln eati8 stramineo-nigricantibus obtusis, appendice eximie reflexa straminea anguste Janceolato-subulata molliuscula iis breviori terminatis; achaenio oblongo compresso laevi nigricanti aogustissime marglnato; setis pappi niveis plumosis liberis achaenio du plo longioribus. — *Junnea sclerophylla* Boiss. ft Heldr. — Crescit in collibus sleds Prope Oetlam supra Ermenek Isauriae.

2897. SEBRATCtA W.

(DC. Prodr. VI. 67. ft VI. 305. — Wlprs. Repert. II. 677. VI. 308.)

1. S. (*Klasea*) LATIFOLIA Boiss. Diagnos. plant, orient, nov. X. p. 96. + — Glaberrima: radice repente; cauleleato tereti albido simplici vel parce ramoso; ramis longis strictis monocephalis; foliis coriaceis lucidis pallide virentibus, costa media valida alba percursis praeterea reticulato-negrosis integris, inferioribus ovatis petiolo crasso brevi canaliculato. basi membranaceo-marginato amplexicauli suffultis, intermediis sessilibus oblongis acutiusculis, basi auriculatis, auriculis acutis breviter decurrentibus, summis rameisque linearibus strictis; capitulis longe pedunculatis; involucri oblongo-cylindrici apice subconstricti nitidi glaberrimi squamis arete adpressis inermibus subenerviis vix striatis coriaceis lutescentibus, ab infimis ovatis minute mucronulatis ad superiores ellipticas et lineares sensim auctis; flosculis lutescentibus, omnibus aequalibus hermaphroditis, involucri parte longioribus; pappi selis albis subplumosis, basi in anulum concretis facile secedentibus. — Crescit prope Gattade in valle Talagon montis Elbrus in Persia.
2. S. (*Klasea*) CANARIENSIS C. H. Schultz (Bip.) in B. Webb, Phytogr. Canariens. II. 370. f — Involucri squamae externae scariositate ovato-subrotunda eroso dentata, rupia lacera lacinata; caulis monocephalus; folia pinnatipartita petiolata, utrinque arachnoideo-tomentosa; achaenia magna. — *Cenlaurea cyanoides* Clair. Schmidt in Buch, Canar. 147. — *Leuzea conifera* Spr. Syst. veget. III. 382. — *Jihaponticum Canariense* DC. Prodr. VI. 664. no. 7. — In insula Teneriffa.
3. S. (*Mastrucium*) POLYGYNA A. Rich. Tent. fl. Abyss. I. 457. tab. 62. — Caule erecto ramoso tereti; ramis pubenti-glandulosis alatis, alis profunde dissecto-dentatis, dentibus magnis falciformibus; foliis oblongis sublanceolatis aculis sessilibus. margine duplicate-serratis, utrinque praesertim subtus punctato-glandulosis; capitulis pedunculatis subglobosis in parte caulis superiori quasi paniculam terminalem efformantibus; involucri squamis imbricalis linearibus acutissimis, externis brevioribus foliaceis glandulosis, internis longioribus pellucido-scariosis, internis purpurascens; floribus foemineis multiseriatis numerosissimis, corolla tubulosa filiformi apice bidentata, stigmatibus insertis; floribus hermaphroditis centralibus parce numerosis foemineis superantibus; pappi simplicis setis vix scabris; achaeniis glabris. — In Abyssinia prope Aikhe.

2898. JUTIMEA Cass.

(DC. Prodr. VI. 673. VII. 305. - Wlprs. Repert. II. 677. VI. 309. Amial. I. 453.)

1. J. (*Longifoliae*) ERYTHROLEPIS Boiss. Diagnos. plant, orient, nov. X. p. 98. f — ~~Baet~~ suffruticosa procumbens: ramis numerosis erectis virgatis, densiuscule foliosis simplicibus vel stridite raraulosis angulatis adpresso canescentibus; foliis strictis, supra pallidivirentibus, sub lente scrobiculato-punctatis. subtus crispule et adpresso canescentibus integerrimis, margine vix revolutis lineari-lanceolatis. inferioribus basi attenuatis obovatis. superioribus basi rotundatis acutiusculis, ramealibus anguste linearibus brevibus; capitatis vel solitariis terminalibus vel paucis corymbosis, pedunculo proprio iis aequalibus longo vel longiori suffultis; involucri ovati glabri squamis apice adpressis rubellis acutiusculis muticis, ab infimis triangularibus ovatisque ad intimas ellipticas sensim auctis. inferioribus praesertim secus lineam mediam costato-subcarinatis; flosculis roseis in involucro subdimidio longioribus. — Crescit prope Chickian in valle Talagon montis Elbrus

**Subordo II. MJAMIJLTIFISOMAK DC.
Frodr. VU. 1.**

Tribus VI. *MUTISIACEAE* Lssng. — DC. I. c.

VI (2917.) *mi/TTSIA* Linn. *fil.*

(DC. Prodr. VII. 4. — Wlprs. Repert. VI. 313. Annal. I. 990.)

! *M. ILIGIFOLIA Hook. — DC. I. c. 7. no. 17. — Pazton, Magaz. of botan. XV. 101.
(c ic.)

XV. (2905, 2929/4, /;, /6, /,) ^ E R B E B A Gronov.

{*Gerbca, Betniera, Oreoseris, Lasiojms* ft *Anandria* DC. Prodr. VII. 15, 16, 17, 18 ft 40. —
Wlprs. Repert. VI. 315.)

- 1- G. (*Leptca*) SCHIMPERI C. H. Schultz (Bip.) mss. ex A. Rich. I. c. 458. — Perennis acaulis: foliis radicalibus obovatis-oblongis obtusis, basi subsessilibus aut in petiolum longum sensim attenuatis, margine saepius integris aut obsolete late crenatis, praesertim *ubtus lanuginosis, margine pilis aureis ciliatis; scapo simplici monocephalo foliis duplo longiori tereti, versus partem superiorem sensim incrassato, dense aureo-lomentoso; involucri squamis tomentosissimis; achaeniis oblongis compressis nervosis subtuberculato-glandulosis, apice longe rostratis. — In Abyssinia prov. Choa.
- 2- G. (*Eugerbera*) ABYSSINICA C. H. Schultz (Bip.) mss. ex A. Rich. I. c. 458. — Perennis acaulis: foliis radicalibus longe petiolatis elliptico-oblongis acutis, basi obtusis aut subemarginatis-cordatis, margine sinuato-denticulatis, superne punctatis, subtus punctato-puberulis; scapo simplici ebracteato monocephalo^ folia multo superante, tereti striato subpubescenti-lanuginoso; involucri squamis pluriserialibus lanceolatis, externis & angustioribus brevioribusque sublanuginosis; achaeniis oblongis subteretibus hirtoglandulosis, apice vix rostratis; pappo fusco. — In Abyssinia.
- 3- G. (ANANDRIA) AMABILIS Hance. Pl. nov. Austr. Chin, diagn. ined. I. p. 20. — Foliis omnibus radicalibus obovatis integerrimis 2V» — 3 poll, longis pollicem latit supra setoso-pilosulis, margine pilis cinereo-ferrugineis hirsutis, subtus lana albo-cinerascente implexa densissime oblectis, in petiolum semipollicarem v«pollicarem anatum basique albo-lanato-villosissimum angustatis; scapo monocephalo i — IVi-pedali ebracteolato, inferne lana albo-cinerascente densissime munito, medio ferrugineo-tomentoso, superne densissime fulvo-lanato. plus minus clavato-incrassato; involucri crateriformis squamis 8—10 lineas longis lineari-lanceolatis acuminatis ferrugineo-tomentosis, apice marginibusque colorato-scariosis glaberrimis; cfnanthio convexo nudo foveolato; Oosculis bilabialis. radii femineis, disci hermaphroditis. ligulis incarnato-albis. involucri squamas vix dimidio superantibus; antheris oblongis basi longe caudatis. P»ce in appendicem obtusam nee forma nee consistentia a parte pollinifera distinctam lesinentibus; achaeniis fuseis 2—3 lineas longis oblongo-ellipticis longitudinaliter striato-nervatis, setulis albis parvis scabridis conspersis, apice in rostrum glabriusculum, achenii corpore paulo longius attenuatis; pappo semipollicari persistent* setoso-scabrello flammeo-rubescente, versus apicem pallescente, basi in anulum coarctato. — Species pulcherrima, *G. Ananduae*, C. H. Schultz, (Wlprs. Repert. VI. 316. no. 18.)

maxime propinqua, ab ea tamen omnino distincta. — Hab. in ins. Hongkong ad montium cacumina.

4. G. (LASIOPUS) NERVOSA Sonder, *Linnaea* XXIII. 70. f — Foliis coriaceis petiolatis ovato-oblongis, basi apiceque obtusis, supra viridibus pilosis, subtus albo-lanatis penninervio-costatis, margine remote denticulatis; scapo esquamelloso tomentoso, foliis multo longiore; ligulis intus albis, extus violaceis, involucri biseriato duplo longioribus; achaeniis suberostribus hispidulis. — Port Natal.

XVb. AOLAODEIVDBOIV *J. Remy.*

(Remy. *Ann. des sc. natur.* [Ser. 3.] XII. 175.)

Capitulum multiflorum homogamum. . . . ? Involucrum pluriseriale, squamis oblongis coriaceis. Receptaculum subplanum glabrum epaleaceum. Corollae omnes bilabiatae hermaphroditae, labio exteriori longiore tridentato, interiore bipartibili. Antherae lineares caudatae alataeque, alis oblongis obtusis, caudis acutissimis ciliatis. Styli rami oblongi obtusissimi. Discus brevior crenulatus. Achaenium lineare cylindricum glabrum erostre costatum. Pappus pluriserialis, setis subinaequilongis denticulatis.

1. A. CHEIRANTHIFOLIUM *J. Remy* 1. cit. 176. f — Subarborescens? ramosum, undique glabrum: ramis dense foliosis; foliis alternis sessilibus oblongis aculis crassifintegerrimis, tri — quintuplinerviis planis erectis; involucri squamis margine anguste scariosis. — Crescit in Chile.

XXV. (2916.) STIFFTIA *Mikan.*

(DC. *Prodr.* VII. 26.)

1. 'ST. CHRYSANTHA *Mik.* - DC. 1. c. no. 1. — *Hook. Bot. Magaz.* tab. 4438. - *Van Houtte, Flore des serres* IV. tab. 391.

XXXIV. (2926.) ISOTYPIJS *H. B. Knth.*

(DC. *Prodr.* VII. 33.)

1. I. ONOSEROIDES *H. B. Knth.* — DC. 1. c. — *Kltzsch. in Otto ft Dietr. AUGem. Grtnztg.* XVII. 192. — *Schdtzelia Deckeri* *Kltzsch. in Otto ft A. Dietr. AUGem. Grtnstg.** XVII. 82. f

XXXVI. (2930.) BICOJHA *Cass.*

(DC. *Prodr.* VII. 35. - *Wlprs. Annal.* I. 459.)

1. *D. (*Eudicoma*) TOMENTOSA *Cass.* — DC. *Prodr.* VII. 36. no. 2. — *A. Rich. Tent, fl. Abyss.* I. 459. — *Schaffnera carduoides* *C. H. Schullz (Bip.) mss.*
2. D. (*Eudicoma*) ZEYHERI *Sonder, Linnaea* XXIII. 70. f — Caule suffruticoso arborescente erecto simplici vel apice subramoso; foliis oblongo-lanceolatis oblongisve aculis, basi angustatis, supra glaberrimis reticulato-nervosis, subtus albo-lanatis; capitulo subobliquo ovato; involucri squamis multiseriatis nitidissimis acuminatis, exterioribus persistentibus reflexisve; achaeniis villosissimis. — In Promontorio bonae spei (Magalisberg)-

3. D. ANOMALUM Sooder 1. c. 71. f (Sectionem propriam exhibet.) — Canibus erectis glabriusculis vel subaraneosis; foliis linearibus, margine denticulato demum subrevolutis, supra glabris, subtus albo-tomentosis uninerviis; involucri squamis multiseriatis linearibus longe acuminatis rigidiusculis ciliolatis longitudinaliter lineatis, interioribus gradatim longioribus. — In Promonlorio bonae spei (Magalisberg).

f *Genus indescriptum.*

SCHÄTZELIA C. H. Schultz. (Bip.)

(G. H. Schultz. Bip. mss. ex Kltzsch. in Otto & Dietr. Allgem. Gartenzeit. XVII. 192.)

1. *SGH. COLUMBICA C. H. Schultz (Bip.) mss. — Species indescripta. — Sierra Nevada prope Meridam, elevatione 14000 pedum.

Tribus VII. *NASSAUVIACEAE* Lssng. — DC. Prodr. VII. 48.

XII. (2957.) *CHABRAEA* DC.

(DC. Prodr. VII. 58. - Wlprs. Repert. VI. 322, Annal. I. 995.)

1. CH. NUTANS J. Remy. Annal. des sc. natur. (Ser. 3.) XII. 182. - Superne pubigera: caule simplici folioso monocephalo; foliis inferioribus oblongo-spathulatis, in petiolura longe attenuata, superioribus lanceolato-linearibus acutis integris vel paucidematis; involucri squamis lineari-lanceolatis acutis. - Crescit in Cordillens Provinciae Conceptionis reipubl. Chilensis.

XVI. *PEREZIA* DC.

(DC. Prodr. VII. 62. - Wlprs. Annal. I. 996.)

1. P. NANA A. Gray. Plant. Fendler. HI. adn. - Caulibus a caudice lanato fere pollicari-
bus foliosis capitulo (pollicari) circa 20-floro baud longioribus; Mto
ariafftsrers? = a 25
subciliatis calloso-mucronatis, exterioribus ovatis, intimis oblongis, lanceolatis, su-
perne p
brilliferis glanduloso-puberis; pappo albo copiosissimo, setis pluriserialibus. —
Crescit in Mexico.

2. P. WISLIZENI A Gray 1. c. adn. - Glaberrima: caule fere bipedal! erecto simplici,
"Pice nudiu'culo' monocephalo. W* « » « « * " o bova " f * ovato-oblon-
P's semiamplexicaulibus pulcherrime reticulatis, marginibus crebre calloso-denticulatis.
summis ad braccias spathulatas reductis; involucri plus quam 50-noro bemispbaerico
pro-purpurascenie glabro. squamis coriaceis 3-4-seriatim imbricalia subsquarrosi
mucronulatis, exterioribus ovalp-rotundia, intimis oblongis acuminatis; reoceptcuk

subalveolato glabro; achaeniis *oblongo* - Unearibus gla&ris; pappo biseriali sordido. — Crescit in Mexico.

3. P. (?) PLATYPHYLLA A. Gray 1. c. adn. — Laevigata: caule bipedal!, superne corymboso; foliis coriaceis (inflmis ignotis), amplis rotundato-obovatis, sinu acuto amplexicaulibus pulcherrime reliculatis, circbre arguleque spinuloso-dentatis, ramealibus subhastatis parce dentatis; capitulis corymbosis subfasciculatis; involucri duodecimflori turbinati squamis pauciusculis subtriseriatis ciliolatis purpurascensibus vix acutis, extimis ovato-lanceolatis, intimis lanceolatis; receptaculo nudo; achaeniis glanduloso-puberulis; pappo albo 2—3-seriali. — Crescit in Mexico.

•XX. (2960.) TRIXIS P. Browne.

(DC. Prodr. VII. 67. - Wlprs. Reper. II. 682.)

1. TR. (*Macrochlaena*) CONFERTA Benth. Plant. Hartw. 289. no. 1609. — Fruticosa: ramis pallidis glabriusculis; foliis subsessilibus lanceolatis subintegerrimis minute puberulis; corymbo conferto ioliacco glanduloso-puberulo; bracteis exterioribus ovato-lanceolatis, basi valde angustatis et incrassatis; involucri squamis 8 apice intus villosis, corollae tubo brevioribus. — *T. longifoliae* et *T. obvallatae* affinis. Folia 2—2% poll, longa, 5—6 lin. lata complicata rigidula reliculata, petiolo vix ullo, inferiora cum caule oculo nudo glabra, sub lente pubes tenuissima apparet, superiora et floralia conferla, gradatim breviora et fulviora - puberula. Corymbus oblongus, ramis numerosis brevibus confertis 3—5-cephalibus dense foliatis. Capitula 9 lin. longa. Bractae pleraeque basi in stipitem crassum rigidum angustatae. Involucri squamae* iis 7. *obvallatae* breviores, flosculi majores. Receptaculum dense villosum. Achaeinia undique scabra. — Crescit ad Leon et Guanajuato.

•f Genus *Labiatiflorum dubium*.

GAVESIA Bertol.

(Bertol. Misc. bot. VII.... c. ic. ex Schlichtd. Bot. Ztng. IX. 899.)

Calathus hemisphaericus multiflorus imbricatus, squamis triplici ordine ovatis obtusis concavis. Corollulae omnes fere bilabiales aut unilabiales scilicet vel labio unguiculato 2—3—4-ligulato, ligulis aequalibus oblongo-lanceolatis obtusis stipellatis, labio superiore, quum adest, brevioris, facto ex una v. duabus ligulis similibus, stipitulo suo immediate ortis contra basin labii inferioris. Stamina quinque inserta apici unguis labii inferioris, tota omnino libera, filamentis filiformibus, uno alterove antherifero, reliquis castratis; antheris ovatis bicularibus incumbentibus. Stylus filiformis longitudine staminum simplex; stigma exiguum submarginatum. Achaeniura teretiusculum 5-radiatum, radiis achaenio longioribus lanceolato-linearibus, sursum radiisque villosissimum. Receptaculum planum paleaceum, paleis ad sngulum flosculum oblongo-lanceolatis, radiis subaequantibus. — Herba Alabamensis, *Schkuhriae* similis quoad folia, *Pectidi* quoad inflorescentiam.

1. * G. ALABAMENSIS Bertol. 1. c. r- Alabama.

Subordo III. *JjlGtrijtFJLOMjle* B€ Prodr.
Til. 74.

Tribus VIfl. *CICHORACEAE* Vaill. — DC.] . c.

Subtribus If. *LAMPSANÉAE* Lssng. — DC. 1. c. 76.

III. (2967.) *IiAJffSPAHTA* *Tournef.*

(DC. Prodr. VII 76. — Wlprs. Repert. VI 327.)

1. L. PISIDICA Boiss. ft Heldr. Diagn. plant, orient, nov. XI. p. 33. f — Annuā vel bien- nis, secus partem inferiorem caulium et folia inferior a pilis longis crispis tenuibus subviscidis hispida. superne glaberrima: caule erecto, superne longe et dichotome ramo- so, effuso paniculato-corymboso; foliis lyratis. segmentis lateralibus utrinque 2—3, basi attenuatē ovalis acute repando-denticulatis, terminali duplo majori e basi truncate vel subcordata irianglari-ovato acuto: rhachide inter segmenta lobulis a net a; foliis caulihis superioribus anguste linearibus acutis integerrimis, summis setaceis brevibus; pedunculis tenuibus rigidulis, capitulo obconico 3—8-plo longioribus; involucri breviter calyculati phyllis laete virentibus glaberrimis elliptico-linearibus obtusis; flosculis radii luteis, involucri duplo longioribus. — L. *intermedia* var. Heldr. — Crescit in saxo- sis inter frutices faucis Tsimbouckkan inter Adaliam et Spnrtam.
2. L. CASSIA Boiss. 1. c. f — Annuā vel biennis, inferne dense glanduloso-pilosa, su- perne glaberrima: caule crasso elato, superne divaricato-ramosissimo, effuse panicu- lato-corymboso; foliis pinnatifidis, segmentis lateralibus utrinque 3—4-ovatis repando- dentatis, basi attenuatis, terminali alii raro majori ovato-triangulari vel oblongo; foliis caulinis superioribus anguste linearibus integerrimis. summis setaceis; pedunculis te- nuibus capitulo obconico-ovato 2—4-plo longioribus; involucri breviter calyculati phyllis glaberrimis livescentibus elliptico-linearibus obtusis; flosculis radii luteis, invo- lucri sesquialongioribus. — Crescit in umbrosis rupesribus regionis inferioris montis Cassii el Antilibani supra Zebdani.
3. L. RAMOSISSIMA Boiss. 1. cit. p. 34. + — Biennis, inferne parce pilis albis sparsis pa- tulis fleuosis obsita, superne glaberrima: caule fere a basi dichotome ramosissimo, effusissime paniculato; foliis radicalibus lyratis, lobis lateralibus utrinque 3—4 oblongo- subretrorsis acutis repando-dentatis, terminali 2—3-plo longiori oblongo vel e basi truncato - subcordata triangulari acuto, foliis caulinis paucis linearibus acutis, ramis* brevissimis setaceis; pedunculis gracillimis capitulo obconico 6—8-plo longioribus; involucri basi brevissime calyculati phyllis viridi-sublivescentibus glabris vel inferne Puberulo-glandulosis, apice membranaceis acutiusculis: flosculis radii involucri sub- duplo longioribus. — Crescit in Libano supra Cedros, in lapidosis regionis inferioris Hermonis supra Rascheya.
4. *L. INTERMEDIA M. Bieb. — DC. 1. c. no. 2. — p. *cordata* C. Koch, Linnaea XXIII. 653. — Stride erecta ramosa, inferne pubescens, superne glabra: folia infera et media pilosiuscula, interrupte pinnatifida foliolis cordatis, irregulariter dentatis, supremo maximo, omnibus petiolulatis, laciniis minimis interjectis, folia suprema simplicia cor- data aut ovato-oblonga lanceolata sessilia, dentata; pedunculi et calathidia calyculo patente instructa glaberrima: ligulae phyllis sesquialongiores. — In Asiae minoris distr. Risa.

Na CtARHADIOLiJS *Jaub. y Spach.*

(*Jaub. ft Spach, Illustrat. plant, oriental. HI. 119. tab. 284. — Rhagadioli Fisch. & Mey. species. — Koelpinae C. H. Schultz Dip. species.*)

Calathidia 7—20-flora homogama heterocarpa. Anthodium squamulis 3—7 minimis adpressis uniserialibus herbaceis calyculatum subcampanulatum 5 — 14-phyllum uniserialia accrescens, fructiferum induratum et substellatim patens rectum, per maturationem numquam clausum, foliola aequalia navicularia sublinearia denticulato-ciliolata, in appendiculam membranaceam cucullatam obtusiusculam desinentia, dorso canaliculata, nunc undique, nunc nonnisi ad carinam setulis brevibus rigidis crassis inaccrescentibus aculeolata, sub anthesi carnosio-herbacea crassiuscula inmembranaceo-marginata, basi demum articulata et una cum achaeniis antepositis decidua. Receptaculum disciforme subconcauum glabrum nudum alveolatum. Flores pauciserialis, peripherici foliolis anthodii sigillatim antepositi et ex parte amplexi. Corollae flavae subaequales, tubus brevissimus filiformis, ligula cuneato-linearis, apice truncata profunde inaequi-quinquedentata, dentibus brevibus obtusis, apice callosis, dorso dense papilloso. Stamina corollae ligula subduplo breviora. Filamenta glaberrima capillaria, antheris subaequilonga. Antherae lineares, basi sagittate*-auriculatae, auriculis subulalis subintegerrimis, magis minusve concretis, articulo antherifero paulo longioribus, appendices apicales brevissimae membranaceae rotundatae. Stylus stamina magis minusve superans, corolla brevior capillaris, secus apicem sursum hirtellus. Stigmata capillari-filiformia oblusa longiuscula, deorsum arcuata, dorso puberula. Ovarium minusve teretiusculum columnare rectum (sub anthesi) estipitatum erostre, in collum breve (postea accrescens) robustum disco annulari pappigero superatum angustatum, illoium periphericorum glabrum anthodii foliolo cui antepositum amplexum istoque per dorsum a basi ad medium adnatum, florum disci dorso papilloso-hirtellum. Nectarium breve cyathiforme, ore crenulatum. Pappus e disci apicalis margine ortus, brevissimus (oculo nudo vix conspicuus), persistens inaccrescens pluriserialis, constans e setulis inaequalibus crassiusculis cylindraceutis obtusis integerrimis albidis patentissimis. Achaenia heteromorpha (peripheries inter se conformia, interioribus variabilibus dissimilia), decidua (peripherica una cum anthodii foliolis), subcoriacea laevigata ecostata estriata vel obsolete striatula opaca teretiuscula (centralia interdum compressa), omnia magis minusve introrsum arcuata et sursum sensim iif rostrum crassum continuum disco apicali pappigero superatum attenuata, basi concava, quasi in cyathulum expansa. Achaenia peripherica glabra, interioribus majora et crassiora, anthodii foliolis subaequilonga iisque infra medium adnata, a basi ad medium paulo altius recta et columnaria, superne arcuatim incurva. Achaenia disci citius decidua, periphericis pauciora (interdum abortu nulla) et breviora simulque tenuiora (nihilominus aequae fertilia), subfiliformia, varie incurva (circinnata vel hippocrepidoidea vel semicircularia vel annularia, vel mere apice incurva, & eodem calathidio nunc subuniformia, nunc magis minusve dissimilia) facie glabra, dorso papilloso-hirtella. Semen adhaerens filiforme» achaenio (ob collum) brevius magis minusve incurvum. — Planiae annuae dichotomae, setulis simplicibus rectis magis minusve hirtellae, plerumque pluricaules. Rami ramulique ad nodulos et secus apicem demum clavato-incrassali, parce foliati vel aphylli. Ramuli ultimi per-

duncuhfoimes cbracteolati monocephali, demum elongati ngidi folia
^smuato-eroso-dentata vel smuato-pinnati/ida (denlibus vel lacinus
 obtuse calloso-mucronatis), lenuia, radicalia petiolata subrosulata, reli-
 Qua plciaque sessilia, basi autem angustata nec unquam aunculata,
^s»nma ad squamulas minutas reducta. Calathidia solitana lemota, aha
 hlcnlia ^el extraalana subsessilia, folio vel isto dcficientc squamula
 opposita, alia ramulum pedunculiformem magis mmusvc elongalum

¹ G IID\POIS Jaub a Spuh 1 ut 120 | pig 20 — Rimi a i unuli Hstulosr
 tcicles stridituli, demum conspicuo incrassali Cnhtliidn 7—11-iloia Antlioilium
 5—8-phjIum Achaema disci selulis clavatis vel subcylindricis (apice haud capil-
 hlis) Inrtella — *Rhagadiolus hidypnou* I fit Mey — DC Prodi MI 78 —Habitat
 in Asia minore.

[^] G ANGULOSUS Jaub & Sp-uh 1 cit. pag 122 -f lab 285 - Rami el ramuli Inch.
 paiuin incrassali, conspicue angulobi Calathidia 9—20-lion Anlliodium 7—14-phyll-
 lum Achnema disci selulis apice capilellatis lullella — *Kolpmia rhagadioloides* C. H
 Schult^ (Dip) mss — Habitat in S\na

V (2971) KÖIPIITIA Pall

(DC Piodr. VII 78)

¹ *K LINCARIS Pall —DC I c no 1.—Jaub ft Sp Illustr pi. orient HL 123 tab 288

Subtnbus III. *HYOSERIDEAE* Lssng — DC 1. c 78

IX HARPACHAEBTA Bnge.

(Wiprs Reper VI 327 ft pag 275.)

¹ ¹¹ AMPLEXIFOLIA Bnge — Wiprs 1 c 327 — Jaub. ftSpach. Illustrat plntai.
 o»iental HI pag 129 f tab. 288 — Wiprs Reper II. 666 — Planta vegetior
 (culia) demum 1—2-pedalis el plerumque pluicaulis, macrior subsimplex Radix
 simplex vel parce ramosa, gracilis vel subflifoimis descendens. Caules erecti dum
^{exj}es ascendentes vel subdiffusi, dum plures graciles atlamen fir mi, violaacenu
^{ve}- glaucescentes laevigati lucidi, inaequaliter acutanguli (anguiis prominentionbus
^{costac} folu respondentibus), angulorum jnterstitus striati, plerumque ab ima basi
^{ramosi}, demum fistulosi Rami conformes cauli, at tenuiores et saepissime breviores,
^{erccu} vel magis minusve divergentes. maiores mono- vel oligophylli. Ramuli aphylli
^{oligophyij} angulosi striati, plerumque divancati elongati, sub amhesi fill formes,
 Peiinde ngidi magis minusve mcrassati fistulosi, ultimi simplicissimi monocephali pe-
^{(lu"tu]]foi]meS,} demum 1—3 poll longi et secus apicem subclavati, interdum deflexi
^{folia} glaucescentia parce venosa tenuia subcarnosa, denlibus et denticulis plerumque
 obtuse mucronulais Folia radicalia (caullnaque mflma) 3—6 poll longa et magis
 ""nusvo conferta (interdum pauca et minora), lanceolalo- vel obovato- vel apaihulato-
 oblonga vel interdum obovaia obtusa, vane dentata vel denticulate, nunc sessilia nunc
 Pctiolata Folia caulina (*jnQma* radicalibus conformia oxcepta) ramealiaque e cordalo-
^{vel subs^gmato-aunta.} basi oblonga vel ovato-oblonga vel ovato- aut oblongo-lanceo-
^{al}a mieidum subdelioidea, acuta vel e rotundo apice acuminulata plerumque remote
^{e»oso-dentata} vel denticulate, infenora interdum sinuaio-vel rununaio-dentata, su-
^{prema} lanceolata vel lanceolalo - oblonga minuta integerruna oxaunculata. caulina
^{media} pleiumque mfenonbus minoia, intcidum majora, supenora gindatim minora
 II.

Calathidia magis minus\c numerosa sparsa, sub anihcsi minuia, ciiim praefloratione oiecla, fructifera \alde accreta et invicem remoiissima, Ialcialn pedunculo (lamillulo abortivo) anthodio plcrumque multo brevion, raio subacquilongo suffulta Calycuh foliola anthodio plcrumque subduplo vel intrpdum paulo brevioia (vel imo acquilongi) subacqualia vel inaequalia lincana vel lincan-lanccolaia. \cl lanccolaia aut hnccolato-oblonga, icuta unnervia lenuia maicescentia, plcrumque icflexa Anlhodium sub nnlhesi 2—2½ lincas longum, scgmenta doiso subcannaia, intidum margine rc\oluta, sub anihcsi crecto-palcntn, posita dcflexa cl ob neulcos IJX conspicua, pais indiwsa ascreccens, malunlitc tuibmala vel hemisphacnta, strummta \cl brunnea, achaenus penphericis (rosins liaud computatis) acquilonga et 3—4 lin diametro metiens (haud compiiinus neulcis), aculci delkxi \el patentes (summi excepti, qui saepius crecli), concolorcs, l'A—2'A lin longi alii tcnuiore alii crassioics (summi pleruinquo omnibus lobustiores) e globoso-inciasata basi subulati vel setacoi rectli, apicc plcrumque glochidinti, basibus haud nro gemmatim vel tcinalim conerctis Corollac l'A — «* lincns longac, liguhe dentos macquiles brevissimi subdelloidei obtusi, apicc callosi, dorso dense pnpillosi — Habitat in Sibina altaica

XI. (2973) HEDYP1VOIS *Tournef*

(DC Prodr VII 81)

- 1 MI RIIAGADIOLOIDES C If Schultz (Dip.) in 0. Webb. Phytogr. Canar 11.396 f — // *Cistica* WiWd — DC 1 c. no 1.— *H polymorpha* DC 1 c no. 2 — *Iljumdula* DC I c 82 no 4 — *H coronopifoha* Ten. — DC I c. 81 no 2

XVII. (2978A) CALAIS DC

(DC Prodr VII 85 - Wlprs Repeit. II 684)

- 1 C (*Calocalais*) MACROCHIAETA A Gray, Plant Fendler 112 adn. f — Subscaposa glabrata folus lineanbus acuminatis intcgermms vel saepius lernote pinnanlobatis subglaucis, junionbus villo molli caduco pubescentibus, scapo apicc furfuracco. invo* lucn squamis cxtimis tertia pane brevionbus, achaenus laevibus, apicc rostrato - attenuaiis, pappi paleis oblongis, apicc bjfldis, aiista ex smu cxserentibus tnplo brevionbus — *Hymenonema glaucum* Hook Fl Bor. Am I 300? — *Scoizonella glauca* Null? — Oregon

XVIII. (2978½) SCORZOIVELLA *Auff.*

(Wlpis Reperit II 684. Annal I. 460.)

- 1 SC SYLVATICA Bnth Plant. Hartw 320 no. 1815 — Glabra vel >ix puberula: folus remote pinnatifidis pappi paleis 10 lanceolatis in auslam barbcllatam desinentibus. — Caulis *i/i*—2-pedalis, ima basi peioloium basibus persistoniibus vaginatus, *supra* medium nudus Folia in pane inferior? caulis 3—5-pollicans lmciai-lanceolate, *la-* cinns paucis linean-lanceolatis acutissimis, mflma petiolata, basi \aginato-dilaW^w» supenora scssilia icmola acutissima submtegra Caulis apicc pedunculiformis *cavus* monocephalus Involuciura 9 lm longum, squamis 3—4-scnaais, extciouibus *brevi-* bus ovatis vel ovato-lanceolatis abiupte acummaiis, mtoiionbus lanceolatis in *acumea-* desmentibus Ligulae involucio longiores, cxius le\iter glanduloso-pubcrulac. *Achaen-* ma tcretia, apicc haud attenuate, strns longitudinalibus saepius (an semper?) *is*

l'appi palcae semper 10, basi imbricatae, parto dilatata achacnio subaequionga, arista paulo longiore, longiuscule barbellata vel potius plumosa. — Crescit in sylvis Californiac ad Sacramento.

XIX. (2979 & 2980.) T O L F I S *Bivona.*

(DC. Prodr. VII. 85. — Wiprs. Report. VI. 329.)

1. T. (*Drepania*) QUINQUERADIATA C. Koch. Linnaca XXIII. 654. f - Annuæ; raiiieu exili; caulis erectus subnudus glabriusculus brachialis; folia radicalia oblonga, basi paululum attenuata pctiolata, denlata glabriuscula, folium caulinum unum allcrumve lineari-spaihulatum denticulatum sessile glabrum, ramos fulcrantia linearia; pedunculi apice tomentosiusculi; calaihidia canescentia tomentosiuscula heteromorpba, in axillis majora, pedunculis crassiusculis insidentia, pbyllis exterioribus longioribus, interiora aequantibus et iis longioribus, omnibus lanccolalis, concavis; calathidia reliqua minora, pbyllis anthodii inteioribus exlciora suporantibus, omnibus lanceolato-linearibus; achaenia striata, marginalia pappo brevi coroniformi multiseti, cetera praeterca setis longis, sed in calaihidiis minoribus phylla aequantibus, in majoribus iis minoribus instructa. — Ad Bosporum.
 2. T. ABYSSINICA A. Rich. Tent. II. Abyss. I. 459. — Caule erecto gracili 2—3 pedes alto ramoso. tereti striato glabro; foliis lancjBolatis aculis, basi sensim angustatis et subpctiolatis, margine emarginato-dentatis, subruncinalis, denlibus arcualis distantibus, praesertim subtus subpilosis; capitulis parvulis caulis ultimas ramillcationes terminantibus; involucri squamis externis lanceolatis, dorso punctato-puberulis; achaeniis terebus, basi paulisper attenuatis sriatis punctulalis; pappi setis inaequalibus, brevissimis interjectis subscabris. — In Abyssinia.
 3. T. (Schmidtio) FARINULOSA B. Webb in Hook. Niger Flora 143. — Caule frulicoso brevi crasso; foliis lanceolatis et lineari-lanceolatis sessilibus. margine sparse denlatis. apice attenuatis integerrimis cum panicula juniore tomento albo nata; panicula brevi subumbelliformi nuda squamigera; involucri squamis «terio»bu3 brevissimis, inteioribus fliliformibus glabrescentibus, margine scanosis; achaeniis lurbinais costulatis subpapillosis; pappo 4-5-setoso, squamis intermedis plurimis inter-
 4. ^{cl} (KSM S¹ ^ inquilis) SEL ex Cx, Sc, Stz (Bip) B B. Webb PHy^ Canar. H. 406. f tab. i2i. - Collum fit iraa plantae pars frulicosa. caeterum htrbacej. achaeniis conformibus glabris 10-costatis angulosis atris, pappo 4-7-pl. f->->-soioso. soiulis ininimis interjeclis; foliis radicalibus rosulatis elliplico-lanceolatis subpinatifido-pinnatifidatis; receptaculo areolato-punctato non favoso ut in speciebus araniDjf. (caeterum polymorpha glabrescens: caule efoliato corymboso, styli rami breves SUDBO-cumbentes). — Habitat in insulis Canariis.
 5. T. (*SchmiMa*) Webbii C. II. Schultz (Bip.) 1. c. 409. f tab. 122. - **Perennis herbacea glabris valle-pappi radiis lineari-lan-caule foliato** elabrescens: achaeniis conformibus glabris pentagonis, costis rotundis
- a=ta5Sac&Ks?=HS**
- ^elatis pinnatifidis hirlis. caulinis elongato-linearibus submtegnis glabns. corymboso; styli ramis brevibus erectis. - In insula Tenenffa.

Xixa- FTELOFHORA A. Gray.

(A. Gray. Plant. Fendler. 112. adnot.)

Invoiucrium 20-40-florum. duplex, exterius brevius laxè calyculiforine snJamis ovato-subulatis, interius ujusenale, squamis lanceolatis sensif arcSatis. Beceptaculum nudum planum subalveolatum. Ligulae

exseitae AthacniJ lincan-oblonga tcretia mullicoslata oioshia, callo sublaterali. Pappus simplex unisenalis mveus, e selis 14—22 gracilhmis elegantler plumosis basi paleato-dilalatis constans — Herbae perennes glabrae: caule c radice fusiformi tuberosa erecto ramoso, folns integris vel pinnatilobatis, ramis superne longe nudis peduncuJiformibus, apice submcrassa'o monocephalis, capituhis ante anthcsin nulanhbus, flonbus flaus

1 P ISUTANS A. Gray. 1 nt 113 aririol — Gracillnna folns angulissinio lincanbus elongatis c basi subamplexicjuli sensim fliformi-ailonualis iniegemmis seu pinnatilobalis, lol)is fliformi-subuhtis, involucio cJlmdnco 20-floio glabrato, squamis c\trionibus subquinque, intcuonbus ocio abacnns scabndis, extimis puberulis, pilcis pappi oblongis seta plumosa 5—6-plo brevionibus — *Scoizonella nutans* Gever mss — *Crepis nutans* Ge)cr in Hook Lond Journ of bot. VI 253. — Crescit in Anieuca borrali

2 P. MAJOR A. Gray 1 cit pag. 113 adnot — Folns spalhulato-lanceolaiis, mfeine attenuatis vel in pctiolum marginatum angustalis integernmis seu laciniato-dcntntis, in\olucro camftanulato glmduloso-puberulo multifloro, squamis exlenoiibus 8—9, intcnobus 10—13 subulnto-acummatis, ovams gljbernmis, pappi setis lma basi tantum scano-dilatatis

p *lacimala*. folns elongato-lanccolatis laciniato-pinnatilobous, supicmis integernmis lincan-titlenuatis, involucro ferc glabro. — Oregon.

XXIV. (2982) TR©XI]*IOX Grtnr.

(DC. Prodi. VII 251. — Wlp^s. llepert. II. 685)

1. TR. ROEMCRANUM Schcele, Lmnaca XXII. 165. f— Caulis scapiformis erectus stnatus glabiusculus simpheissimus uniflorus! plerumquo basi folns paucis minonbus instructus, lanus aph\llus, supcinc squamis 2—4 membranaceis ovatis abiupte suDulato-acuminaiis obsitus Folia glnuca glabra umnervia calloso-raucronata, radicalia lanceolala mtegia vel lyiato-runcmata, lobi laicrales bieves triangulares calloso-mucionati, lerminalis clongatus lanccolatus, folia caulina pauca lineari-lanccolata decrescentia, Capitulum multifoium. Involucrum campanulatum laxc imbncatum 3—4-senalo flosculis dimidio brevius, squamae membianaccae glabrae uninenes, margino anguste scariosae accrescenes, oxiiemae breviores oblongae obtusiusculae, mtenores longioies angusioies lanceolatae acuminatae. Receptaculum alveolatuin Ligulae 20—40 oblongae glabrao marginatae longitudinaliter nervosao, basi attenuaiae, apice 3—5-dentatao. dontes breves triangulares. Stjli rami clongali hneares oblusi, apicem versus paulisper incrassato-cla^ati Pappus constans setis numcrosis albidis capilla*ribus clongdtis scabus rigidiusculis longitudino maequalibus Achaenia.? — (= *Ptnaiopappus IOSCUS* Lss >) — Crescit in Texade et m Mexico.

Subtnbus IV. *IIPCHOEMDEAE* Lssng. — DC. 1. c. 90.

XXV. (2986) ACHYRPHORUS Scop

(C II Schultz [Bip] in Wlprs. Repert. VI. 339, Annal I 997. — [DC Prodr \II. 92.]

1. A BOISSIERIAMJS Wlpib mss *- Folns omnibus ladicalibus oblongo-lmeanbus, «ub lente parce selosis Miidibus iuncinaio-|innaulobatis, lobo terminali inajon, scapis tenuissimis, folia vix duplo superantibus, supeinc squamulis paucis obsitis, capitulis parvis pauciflons, involucri pbyllis plants albo-pubeiulis mgncantibus albo-marginatus.

in femore longe et parce crinitis, ab exterioribus ad internodia elongatis paucis; Jig-oils concoloribus; receptaculi paleis membranaceis lineari-acuminatis, achaenia superantibus; achaeniis transverse rugosis breviter 'altenuato-rostratis; pappi plumosae selis basi vix dilatatis. — *Itobertia tenuifolia* Boiss. Diagn. pi. orient, nov. XI. 35. — Crescit in insula Creta.

XXVIII (2985.) HYPOCHOERIS Linn.

(C. H. Schuzh: [Bip.] in Wlprs. Reperi. VI. 323. & 732.)

* II. RADICATA Linn. — C. II. Schultz. (Dip.) 1. c. 341. no. 7.

[3. LASIOPHYLLA C. Koch, Linnaea XXIII. 655.f— Folia radicalia oblancoolata am obovato-lanceolata late dentata, hispidissima; scapus glaberrimus ramosus, raris squamigeris monantibus; involucri lobis ovatis; antheridium imbricatum glaberrimum, flores marginales aequans; ligulae tubo suo vix longiores; achaenia marginalia rostro suo prothalamium, caetera duplo breviora, omnia cum rostro aspera; pappus bi-, triserialis, radiis externis laevibus pilosis, caeteris plumosis. — Ad Bosporum.

Subtribus V. IWDIGIEAE DC. I. c. 98.

XXXV. (3031.) POTAROPAPPUS Lssng.

(DC. Prodr. VII. 99. — Wlprs. Repert. II. 700.)

1. *T. ROSEUS Less. — DC. 1. c. no. 1. — A. Gray, Boston Journ. of Nat. Hist. VI. 232. — *Troximon Roemerianum* Scheele. Linnaea XXII. 165.? — Cf. supra p. 956.

XXXVII. KALIBFUSSIA C. II. Schultz (Bip.)

(DC. Prodr. VII. 101.)

1. *K. ORIENTALIS Jaub. & Spach, Illustr. pi. orient. III. 117. f. t. 283. — *Oporoua luteo-pidula* DC. Prodr. VII. 109.

Subtribus VI. SCORZONERAE Lssng. — DC. 1. c. 99.

XXXVIII. HEBOTHOA Juss.

(DC. Prodr. VII. 101. — Ball in Annal. of Nat. Hist. [2. Ser.] VI. 1—17.)

1. *L. ASPERRIMUS Boiss. mss. ex Ball 1. c. 15. — *Scorzera asperilina* Willd. — *Scorzonera hispida* M. Bieb. — *Apargia strigosa* M. Bieb. — *Asterothrix asperima* Cass.

2. *L. AOMALUM Ball 1. c. 9. t. — Radice brevi obliqua, parce fibrosa; scapo monochlamydo, supra medium nunc inde squamis linearibus instructo. cum foliis et involucro pilis rigidis bi-triuncinato-furcatis oblecto; foliis incano-virentibus, exterioribus pinnatis, segmentibus oblongo-lanceolatis, antheris dentatis; involucri foliolis subnervi-acuminatis; achacnii subrostris costis inuricatis; radiorum pappi plumulis densis. — in Apennino Apuano.

- 3 L. ADIAERENS Fenzl mss ex Ball 1 c 15 f - Ridice fusiformi, folis oblongo lanceolatis, subintegerrimis nunc interdum smutato-dentatis, ulnunc cum scapo simpliciter involucrio e pilis rigidis siliu* cano-hispidis involucrio foliolis quodnimm minucitis lanceolatis acummatis achaenio breviter rostrato, parum niguloso (in specimen maluis) mduento lotius planie vineae longiludinis e pilis sat longis, brevionibus et subsessilibus intoimixtis — In monte Tauro
- 4 L. GRALFUM Boiss 8. Heidi Diagn plant ouent nov \I p 39 f — Pmjnne, totura pilis brevisimis, apice 3—5 fuicuis emescens aspiculum ihioimtc mdurilo, basi nudo nmoso cespinoso folus omnibus ndicalibus lanceolatis pinnitmiriis \cl piofunde pinnaiiido-sublratib scgmentis tmngulaubus vol angustt Imcari - lanceohlis ncuiis terminal] majon acuto caulibus scapiformibus folia plunc* superantibus monocplialis rarius dictphalis, ptacter squamulam linearem, nudis, sub capitulo demum chvato inciaasilis involucrio squamis adpressiusculis, ab mflmis brevionibus ad interior sensim aucis lineiibus acutis, ad totam faciem extenorem pilis mimis ramosis puNciulento-puberuli*. infenoribus praetra secus lineam mediam pilis furcatis clongatis obsiis ligulis subtus pallide rubellis involucrio sesquilon^ioubus achae-mis cylindricis, superne attenuais crostratia tuberculato-ctbns, pappo albo us bre-MOII supeialis pippi setis omnibus a basi plumosis, extenonibus subbrevionibus. — Crescit in montibus Graeciae
- >u P *alpinum* omnibus partibus minus, indumentum magis gnseum minus ab-bic via turn, capitula minora et achama paulo migis abbreviata — Crescit in locis excelsionibus Tijgeti loco Ghoukata dicto et in Graecia
- 5 L. LIBANOTICUM Boiss 1 c p 39 f — Totum Indumento denso adpresso pilis brevibus densis, apice 3—4-furcatis constante canescens rhizomate mdurato nudo cae* spuloso, fol is omnibus radicaibus lanceolatis oblusiscule et nregulariter dentalis enspuis in pctiolum attenuatis scapis simplicibus vel imm basi divancalim furcalis, versus apicem squamulis plunibus lineam-setaceis obsitis, sub capitulo submcrassaliSt involucrio phyllis ab extenonibus subpalulis ad mtima sensim elongalis acutis, margin⁰ dense et tenuissime sub lenle albo-ciliolatis, caeteium ghbris glaucis Jigulis concolonbus corollae tubo aequilongis achae-mis cylindricis>, superne subatenuatis muicuhlis, pappo us paulo brevion supentis setis pappi omnibus a basi plumo&is, extenonibus paulo brevionibus — Crescit in Libano
- 0 L. KOTSCUYI Boiss 1. c p 40 f — Perenne caespitosum, totum pilis brevissimis stellatis dense obsuum pannosum canescens foliis omnibus radicalibus anguste UD' ceolatis, in petiolium attenuais remote et acute dentads caulibus scapiformibus simplicibus vel ramo aucis, paicissime squamulosis sub capitulo incras,silis mvolucrio phyllis inargino et secus lineam mediam brevissime silihto-puberuli«, caecium g^{an} Di is omnibus adpressis imbnatis, ab inflmis brevissimis ad inluna lanceohto-linearifl sensim auctis ligulis concolonbus. basi pilosis tubo aequilongis achae-mis ,, ? ** Crescit in monte Demawend alt 6600 ped in Persia
- / I OWLLPIS Boiss ft Helder 1. c. p 40 f — Totum pilis brevissimis stellatis flir-calib canescens asperulum rhizomate induiato ramoso cacspiioso, folus lanceola^s elongalis, in petiolium longum attenuais remote et acute dentniis aculis, omnibus lad¹ calibus. caulibus scapiformibus simplicibus |c| rarius superne bifurcis. folus sesqu^{*} longioubus parce setaceo-squamulosis, sub capitulo incrasatis, involucrio phyllis^{fir} extenonibus palulis ad inlima sensim auctis, omnibus longe setaceo - acummatis, undi¹ que pilis densis brevibus furcatis obsitis, ligulis concolonbus tubo longionibus, achae-mi* cylindricis, superno subatenuatis aculeolais, pappo albo us subbreviou ~~terminali~~¹ us pappi sens omnibus a basi plumosis, extenonibus brevionibus — L *biscutellaefo-lium* Helder — Crescit in lupculnibus Pisidiao propo Tcheltickchi
- * L. DIVARICATUM Boiss 1 c. p 41 f — Perenne, totum indumento densissimo. ~~plu~~¹ nrite stellatis consinuti canum pannosum asperulum caulibus flexuosis a basi 2—* ~~***~~¹

mos edentibus, ad dichotomias foliosis; ramis divaricatis flexuosis monocephalis et brevissime squamosis, sub capitulo incrassatis et valde asperis; foliis lanceolatis inferioribus in petiolum attenuatis remotissime et acute 2—8-dentatis, caulinis infimis; involucri pappi pilis sordidissimis inordinatim asperulis adpressiusculis, ab infinite brevibus ad intima lanceolato-linearibus sensim elongatis; ligulis concoloribus basi pappi, tubo subacquilongis; achaeniis apice subattenuatis muriculatis, pappo albo his sublongiori terminalibus; setis pappi omnibus a basi plumosis. — Crescit in Tauro Ciliciae.

XLH. (2991.) MIIJLIJVA Cass.

(DC. Prodr. VII. 109. - Wlprs. Repert. VI. 345.)

1. M. ARABICA Doiss. Diagnos. plant. orient. nov. XI. p. 38. f. — Annuua: foliis omnibus radicalibus rosulatis dense et breviter setulosis griseis linearibus lanceolatis; scapis procumbentibus vel ascendentibus foliis 7—3-plo longioribus simplicibus vel dicephalis; involucri squamis adpresse imbricatis ab externis ad internas lineares sensim elongatis farinosis puberulis, apice nigricantibus; ligulis concoloribus disco sesquialongioribus; achaeniis rectis tenuissime cylindricis sulcatis transverse tenuiter rugulosis, rostro scetacco acbacciorum marginalium paulo breviori, centralium aequilongo terminalibus; pappi rostro acquilongi setis 10 basi paleae dilatatis, superne plumosis, plumis deciduis. — Crescit in Arabia petraea ad fines Palaestinae.

XLVII. (995.) PODOSPERMUM DC.

(DC. Prodr. VII. 110. - Wlprs. Report. II. 688. VI. 345.)

- * P. RESEDAEFOLIUM C. II. Schullz (Bip.) in B. Webb, Phytogr. Canar. II. 470. f. — filabrum, pubo aut lana plerumque fugaci munitum: radice perenni crassa elongata; florum radialium involucrium quarta vel dimidia parte superatium tubo ligula duplo brevioro. (An idem ac a DC. Fl. Franc. IV. 617?) — *Tragopogon resedae minor*, fol. barrel. Ic. tab. 797. — *Scorzonera calcitrapifolia* Vahl, Symb. II. 87. — *Podospermum weitrapiifolium* DC. PL. Franc. V. 455. — *Scorzonera ladniata* Jcq. Austr. t. 354. — *Podospermum jacquinianum* Kpob. Synopa. II. Germ. (ed. 2.) 489. — *Podospermum messeae* Steud. Nomencl. bot. II. 546. — *Scorzonera decumbens* Guss. Fl. Sicul. II. 387. — *Scorzonera octangularis* Rib. — Guss. 1. c. — *Scorzonera intermedia* Guss. 1. c. — ¹ Canariis et in regionibus maris Mediterranei.
2. P. ALPIGENUM C. Koch, Linnaea XXI. 658. f. — Perenne pluriceps ¹ |i|osum, deinde ² n³ia rainusve glabrescens: caules simplicissimi, foliis radicalibus longiores multiflori) Aretes, uno folio subintegro praediti; folia radicalia rhachi linearibus laciniis n⁴imant Paululum latioribus deflectente et laciniis lateralibus 6—8, saepe alienis angustis, hinc ⁵ U oblongis insueta; anthodii phylla praesertim eorum basis villosa, oblonga, obtusiuscula, ligulis marginalibus paene duplo breviora; achaenia?....? — Jamonibus altissimis Pontis.
3. P. MEYERI C. Koch 1. c. 659. f. — Caulis stricte erectus simplex vix pedalis, o basi ⁶ i⁷unno-squamosus, e parte inferiori pubescens; folia infima linearia, ad basin attenuata, ⁸ oferiora pinnatifida, rhachi in foliolum longissimum occurrento, foliola lateralibus ⁹ liernis 6—8, angustissime linearibus, orania e basi canescentia, caetrum glaberrima, ¹⁰ riacca, folia caulina pauca, inferiora pinnata, pinnis angustissimis linearibus, superiora ¹¹ caria, suprema squamaeformia, omnia glaberrima; anthodii phylla lanceolata, apice ¹² baccata, exteriora basi hincosa, caetrum villosiuscula, interiora ligulis duplo breviora. — *P. canum* B. *glabra* Uim DC. Prodr. VII, 111, — In Cavicasso.

XLVI (2995.) TRAGOPOCtOIT *Tournef.*

(DC Piodr VII 112 — Wiprs Repert VI 347 ft 732)

- 1 Tit AUSTRALIS Jord Cnt du jard de Dijon 1848 p 32 f — Pedunculi* opice in crassais involucri foliis 8—12 lanceolatis acuminatis glabris sub authesi i ceteri uis corollae i Uro- violacea piano-convexi multo Jongionibus achaenus celenoibi gnus coctais, a basi exquisite bin sum luberculato-scabro, tuberculin laxis subolundo-obovatis, pappi lufescentissimie albido, apice fere glabro, achacmo paulo longiore, pappo autem brevioris folis radicalibus creclis haud siicis linear-acuminatis undulatis, caulibus basi dilatata amplexicaulis saepe apice subtortilibus glabris vel ad axillas arancoso-hirsutis, caule erecto saepe lanoso glabro, radice bienn vel saepe annua — Habitat in Gallia australi
- 2 TR TOMMASSINII Bischoff, Delect sem hort Heidelberg 1848 p 4 f — Pedunculis sub capitulo paulum crassioribus vel demum subclavato-incrassatis, involucro 8-phyllo, foliis supra basin transverse impressis, flonibus involucrum subaequantibus, fructibus magmalibus tostio bievibus squamoso-aculeolatis, squamulis cartilagineis, rostro filiformi sursum sensim clavato, infra pappum constructo et valde barbato, folis caulicibus flocculosis tomentosis, miferne vaginato - dilatatis subamplexicaulis, summis basi dilatatis scissilibus — Habitat in littoralibus Austriacae
- 3 TR BRLVIROLIUS G Koch, Linnaea XXIII. 662 f — Pteris radice crassa descendente plucipile, taulis pauciramosis, ab initio basi filiformis, demum glaberrimis pedalis folia miferis oblonga, cetera ovata, subula et breviter attenuata, omnia striata, stria media alba, amplexicaulis pedunculus brevissimus, anthodum pbylla lanceolata, ligulis roseo-rubris aequilongis, achama angulosa sulcata tuberculata, rosula breviter columniformi sulcata insinuata, pappo duplo longiora — In planitiebus circa Tiflis
4. TR TUBCROSUS C Koch 1 c f — Radix pteridis, in lubis desinens, plerumque uncaulis, caulis basi floccosus simplex aut in 2—3 ramos cauliformes divisus, pedalis, folia miferis congesta. basi floccosa, omnia angusta giamea, caulina basi inta. pedunculus solutus, aequalis aut MX apice incrassatus, phylla anthodum 8 lanceolata, ligulis breviora, achama omnia erecta, dense tuberculato-mucata, cum brevi rosula columniformi sulcata, pappo annulo villosa deliquescente instructa, vix majora — In Gissia Tatanca.
5. TR DISIEMILENSIS G Koch 1 c 663 f — Radix pluniceps. rudimentis filiformibus foliorum insinuata caules plucis simplicis aut ad basin uno alterove ramo cauliformi praediti, superius nudi, folia infra ei radicalia giamea, basi lala vana, cetera breviter, pteridis miferis vagante caulem amplexicaulis, pappo superius aequilongijineo-lanceolata, cetera pedunculis solutis longis fistulosis, sed aequales, apice cum anthodum basi floccosi, pbylla sub-10 lanceolata, achama cum rostro superantia, achama medio inculata basi laevissima, sensim in rostrum multo brevius attenuata, pappo basi coronula villosa instructa sesquialongiora — In montibus altissimis Ponticis.
6. TR KOTSCHYI Boiss Diagn plant orient XI p 45 f — Glaber multicaulis caulibus pluribus cymosis vigatis foliosis simplicibus erectis elatis, laxis miferis anguste linearibus gramincis plicatis subquinqvenervi longis, intermediis basi elliptico-oblonga longissime acuminatis, summis linearibus acuminatis, caule sub capitulis subincrassato, involucro plallis 8 glabris lanceolatis acutis, floret exteonebus subaequantibus achamis marginatis orbis obsolete squamoso-tuberculatis, superne sensim et modico attenuatis, parte allouata semper ipso breviora, pappo sordido achamo breviora — Crescit in giaminosis ad radices montium Demawend prope Ask et in alpinis occidentalibus montibus Libani in Persia

7. TR. ACANTHOCARPUM Boiss. 1. c. 45. f - Glabrum: radice collo vaginato; caulibus tenuibus erectis simplicibus vel superne parce ramosis foliosis; foliis angustissime linearibus plicatis gramineis longis attenato-subulatis quinque-nerviis, supremis brevibus a basi oblonga subulatis; capitulis pedunculis foliosis suffullis; involucri demum glabrati phyllis circiter 10 lanceolatis subulato-attenuatis per anthesin erecto-patulis, corolla brevioribus, fructiferis adpressis; achaeniis acute hexagonis, ad angulos aculeis descendentes obsitis, ad faciem submuricatis, in rostrum iis dimidio brevius attenuatis; pappo sordido achaenio paulo breviori. — Crescit in monte Totschal prope Teheran in Persia.
- &. TR. OLYMPICUM Boiss. 1. cit. p. 46. + — Glabrum, basi simplex vel pluriceps: collo membranaceo petiolorum vetustiorum stipato; rhizomate tenui verticali elongato; caulibus pumifis, inferne densiuscule foliosis; foliis linearibus, caeteris a basi latiori longe attenuatis rectis vel incurvis, margine saepe crispulis, omnibus plurinerviis; costa media latiori albida; capitulis mediocribus, floriferis stellatim patentibus; involucri phyllis 8. inferne albo-tomentellis, demum glabrescentibus lanceolatis subulato-acuminatis; ligulis luteis concoloribus paulo brevioribus; achaeniis brevibus tereliusculis striatis acute squamelloso-muricatis in rostrum iis brevius sensim attenuatis, ad pappi basin lomentellis; pappo rufescenti achaenium subaequantibus. — Crescit in pascuis siccis montium Anatoliae, Olympo Bithyniae monte Davros Pisis et Ananias Lycaoniae alt. 6000 ped.
- ↳ TR. PALAESTINUM Boiss. 1. cit. f — Pumilum: rhizomate tenui verticali: collo parce vaginato pluricipiti; foliis omnibus a basi linearibus plurinerviis palulo-revolutis plicatis, margine undulatis sub lente lenissime denliculato-scabridis, apice attenuatis, radicalibus conferlis, canaliculis paucis abbreviatis; caulibus monocephalis folia vix superantibus, apice non incrassatis; involucri phyllis 8—10 lanceolatis acuminatis ligulas concolores flavas non aequantibus; achaeniis nectangulis, ad angulos breviter squamoso-muricatis, in rostrum iis subbrevius abrupte attenuatis; pappo sordido achaenio aequilongo. — Crescit in Palaestina.
- ¹⁰. TR. NERVULOSUM Boiss. 1. cit. p. 47. f — Parcissime floccosum tandem glabrescens glaucum: rhizomate tenui elongato subprostrato nudo; caule humili, inferne dense folioso simplici vel ramulo aucto, sub capitulo paululum incrassato; foliis omnibus a basi linearibus plicatis flexuosis, margine integerrimo crispulis rigidiusculis elevatim multinerviis, nervis albidis, apice setaceo-attenuatis, saepe circinnatis; involucri phyllis 10, margine subundulatis lanceolatis acuminatis ligulas concolores flavas subaequantibus; achaeniis subangulatis striatis obsolete squamoso-muricatis, apice sensim in rostrum iis brevius attenuatis; pappo sordido achaenium aequantibus. — Crescit in Ubano circa Eden,
- ¹¹. TR. GAELESYRIAGUM Boiss. 1. cit. f — Glaucescens pumilum: rhizomate tenui cylindrico; collo pluricipiti vaginis petiolorum stipato; foliis dense rosulatis a basi latiori plurinervi longe et tenuiter lineari-subulatis recurvis, margine parce lanato-hirtulis integerimis; caulibus scapiformibus folia vix superantibus, apice fistuloso-subincrassatis, inferne folio uno alterove obsitis; involucri phyllis 5 longissimis longe lanceolatis subulatis; achaeniis terilibus striatis acute squamelloso-muricatis in rostrum iis paulo longius attenuatis; pappo sordido achaenio breviori. — Crescit in incultis Coelesyriae.

Lit. (2997.) SCORFOOTIA Linn.

DC. Prodr. VII. 117. [excl. sect. 3J - Wlprs. Repert. II. 689. [excl. no. 2.] VI. 349 ff 733, Annal. I 461.]

* S.C. {Euswrzwo} GBISPATULA Boiss. Voy. bot. App. p. 741. f - Inferne plus minusve pubescentia brevi griseo floccoso-pulveruleo detersili obducta: radice tuberosa.

- sac collo squamato, caule humili paucifolio mono - rarus diccphalo , foliis radicalibus ovato-rotundis ovdlis ovato-I inccolaiisvc apicc in mucronem linearem plus minus pio-ductum angusiaus, margine icnuici undulato-cnspitis nicguhiitei plus mmusve la-cero-dcnlicuhlis, denticuhs sublineanbus, folns. caulmis hnccolato-lineaubus long*¹ acuminatis cnspilulis vcl maigme integm involucn lloibus paulo brevions foliolis margine araneosis, extenonbus tuangulanbus, inienoubus lanceolatis multo longion-bus, omnibus acutis mucronaiis, ladu flosculis exius puipura&ccntibus, achaonns pappo plumoso cis paulo breviori supentis, supra medium sursum contracto-atteninlis stna-tis, exterms iufescentibus supeinc scabndo-muricalis, caetens albis brcubub subcom-planatis — 66 *Ihspanica* [3. *cmpatula* DC 1 c 121 no 24 — In rupestnbus Hispa-niae mei idionalis
- 2 SC MULTISCAPA Boiss Diagnos plant orient nov XI p 41. f — Radice fusifornii veiticali, tollo nudo foliis omnibus radicalibus brevisiime inteitexto-pubeiulis pulvc-rulento-canesceniibus anguste lineanbus giammeis flexuosis canaliculalis integemniis, infenoibus nonnullis saepe maigme cnspulis, apice subrevolutis, scapis numerosis c<i- nestentibus monoccephalib erectis, folia paulo superantibus, involucn pubeiuli phjlln paucis latis adprossis angu^ie albo-marginatis, mfmis triangulan-ovatis, caetens lan-ccolaiis, omnibus oblusiusculis, ligulis purpureis stnatis, involucro dimidio bievion-bus, achaemis basi dilataia angulatis, superne cylmdricis, sub lente parce scabndis, pappo sordulo aciaema subac quanti — Crescit in collibus circa Rascheja Antilibam
var (3. *compacta* folia abbreviata patula 1—2 poll longa, in caespitem comp^{an} clum aggregata, infenou sdcpc oblongo-lmcana
Cicscit in culiib excclsi* Libam m via mtei Oeyiut et Damascus.
- 3 SC GALYCULATA Boiss. 1 c 42 f — Radice fusiformi. collo peliolis vetustis dense squamoso foliis pilis bievissimis ramosis sub lente hntulis vindibus, radicalibus et caulmis infenoibus anguste linean-lanceolatis irregulautei mcisis longe acum¹ natis, laciniib triangulai i- lanctolatis acutis, foliis caulmis iniermedns et summis paucis lineaubus parce denlitulatis, bibi lotundatis, cauhbus ascendentibus leretibus glabris. tola longitudine ramis lemons brevibus auclis 2—4-cephalis, capilulis pedunculo ¹ brevion suffullis mvolutii o'aii glabn plijllis infcnonbus caetens dimidio brevio* nbus lutescentibus ovatis vel oblongis obtusis, inteuonbus virescentibus oblongo-ell¹P¹ ticis anguste albo-marginatis ligulis luteis extus rubellis involucro sesquilongionbus. achaemis . ? — Crescit in monte Demavend alt 6000 ped in Persia.
- 4 SC LIBANOTICA Boiss 1 cit p 43 f — Tola indumento floccoso adpresso sordido, demum dotersili lanata collo valde squamoso, foliis infenoibus amplis oblongis ^{ve} oblongo-lancoolatis acutis lhinulo cnspulo-doniiculnlis in pctiolum brevem attenuate caulmis supeionbus o kaai amplozicauli oblongo-lancoolatus acuminaiis. uiforno ^{utrid} quo nigulu '2—3-dcnllculalia caulihiiH ulaiia foliosla toictihui mi|>inu i UIIOHII 2—3" « »||III«IIN « iijiliiliM iiiiKiiln k«K" »IMUIH UIIIIN involutII nlliloi^i supino Nul>ait(FUHill pliyliH glaliiiti gluuicsioniibus lulls, *ah intluus* ovnlo-liiuiiguhuibus ad Ultima loticeo-lata obtusissima sensim auctis, ligulis involucro sosquilongioubus flavis, basi atropur-puicis achocnlis . . > — (roscit in culm derelictis Libam suporios in via inter Damascus et Beyrout.
- 5 SC (*Gelatia?*) RADICOSA Boiss 1, cit p 43. f — Rlnzomate crasso densissime cae-spitoso, foliis omnibus radicalibus conferussimis brevissimo pubeiulis canescentibus angustissime lineanbus flexuosis plensque integernmis, paucis pinnatilobatis, lobis line-aubus bievissimis, scapis giacilibus folia aequantibus vel us duplo longionbus, capi-tulis parvis, involucp obconiu phyllis tenuiter puberulis triangulai i-lanceolatis ab in-fenonbus ad supenoies elongatis angule membranaceis acuuuscuhs, ligulis subtus rubellis pappi Quions) sens apice glabellis — Crescit in glareosis alpium Hasart-schal in paite occidentalis montis Elbius alt 10000 ped in Persia boreali
- 6 SC MACKMELIANA Boiss 1 cit p 44 f — Rlnzomate lignoso caespitoso compacto. foliis adpressissime tomontosis cams brovibus lineanbus obtusis rigidulis subcanalicu'

latis margineque ^ubundulatis glabris, scapis folis paulo longioribus monocephalis capitulis parvis, involucri tomentum canescentis phyllis paucis erecto-petiolatis, ab infimis triangulatis ad meliora lanceolata elongatis, omnibus acuminatis, foliis paucis ligulis subtilibus rubris. involucri paulo superantibus, acbaenus. . . . ? — Crescit in aridissimis jugis Mackmcl Libani

1 SO CLNEREA Boiss 1 cit - j — Tota tomento tenuissimo densissimo cernua caulibus ceteris torcubus* siliis foliosis, superne remotiuscule ramosis, ramis strictis monocephalis angusto et elongatis lacemosi, folis integris imis parallelo 5—6-nerviis, inferius linearibus vel oblongo-linearibus, superius a basi longioribus acuminatis, summis anguste linearibus, involucri squamis adpresse erecto-petiolatis* scissis, omnibus subaequilongis anguste linearibus acuminatis ligulis concoloribus involucri paulo longioribus, acbaenus junioribus glabris pappi setis basi tantum plumosis. — Crescit in aridissimis jugis graminosis ad radices montis Demawend prope pagum Ask in Persia.

LIVa **HAGIOSERIS** Boiss.

(Boiss Diagnos plant orient nov, XI p 35)

Capitulum multiflorum Involucrum bisennale, squamis exterioribus linearibus petiolatis, interioribus incurvis convolutis cyathiformibus, achaeniis radii foventibus, apice longe acuminatis, tandem deciduis. Receptaculum nudum. Achaenia teretiuscula transverse rugosa, exteriora valde incurva, pappo brevissimo* coroniformi fimbriatulo compressa, interiora linearibus magis minusve breviter in rostrum attenuata, pappo uniseriatis paleis 5 persistentibus longe attenuato-subulatis scabris plumosisque constanti, plumis longissimis deciduis. — Herbae Orientales anquae, facie thymoides annuas referentes. — Hoc genus Picardt e grege *Sptzeliae* vel *Medicustae* affine ab us egregie differt pappo non annulato deciduo multiseriatis sed persistente 5-paleaceo longe plumoso, plumis deciduis, a *Thymus* et *Haussania* pappo uniseriatis etc. longius distat. *Delonchium* Cass acbaenus munitis, setis pappi basi in paleam dilatatis plumis deciduis affine differt receptaculo subpaleaceo, forma et natura phyllorum involucri, achaeniis confinis.

1 " GALILAEA Boiss. 1 cit p 36 f — Caulis erecto. basi rubello jam interne dichotomo rainosissimo ramisque sens brevibus basi crassatis* sparsis aspens, caeterum siliis ^h margine elatiusculis ad aeno* parce et breviter setulosis oblongo-linearibus ^o xutitit^ui* mft noihus bis. 1 nutuatis siiporionibus* ohlongi* se»ilibus, bast iniji (<uKmi/vji> totumloie WIICIIIH* podunculi* capitulo plumis longioribus, demum fistuloso-subincussatis, sub capitulo squamulis I—I linearibus setaceis aucta, involucri phyllis exterioribus linearibus subulatis petiolatis selulosus dimidio brevioribus, us senei interioribus dorso cuneatis undique cxtus sens nuciformibus globosis albis siliosis, acumine subulato ciliato parti corymbiformi acquilongo terminalis, acbaenus interioribus apice vix in collum attenuatis — Crescit in herbis Galilaeae.

2 II AMALECTANA Boiss 1 cit p 36 f — Tota pilis albis tenuibus apice saepe breviter globosis setulosa folis radicalibus rosulatis lanceolatis repando-dentatis, caulibus plumis brevibus, a basi dichotome ramosis decumbentibus folis caulinis a basi amplexicaulis aunculata anguste lanceolatis-linearibus acutis integris pedunculis capitulo plumis linearibus, superne squamulis linearibus setaceis plumis obsitis, involucri phyllis exterioribus anguste setaceis setulosis triplo brevioribus, us senei interioribus longioribus linearibus subulatis petiolatis selulosus acuminatis a basi linearibus subulatis parte cymbiformi paulo breviter terminatis, acbaenus interioribus longioribus attenuato-subulatis — Crescit in Palaestina Aiabiau contermina aie in eodem urbis Gaza

LV. (2998) PICRIS *Suss.*

(DC. Prodr VII. 128. — Wlpi s Report II 689 ft 993 VI 352. Annal I 461)

- 1 P (*hupxcns*) STRICTA Jord Cat du jard.de Dijon 1848. p 29 f—Racemo elongato angusto, ramis stride erectis pedunculis erectis subumbellaiis involucnsque canescentibus hirtisque pilis patentibus apice glochidiatis, involucn fructifen ventncoso-ovati versus medium strangulati foliolis linearibus acutis, extenonbus inferne adpressis, supra medium patntissimis, achaenus fuscis transversim stnalis rugulosis, receptaculo nudo, folns pallide virentibus, utnque hispidulis aspens, radicaibus elongatis profunde sinuatis subunduldlis, basi attenuaiis acutis, caulims lanceolatis, superno attenuatis. basi cordata sessilibus mlegnsvelsubdentatis, caule slnato hispidissimo aspero simplicl vcl ramoso ramis erectis saepe axi adpressis — Simillima est *P hxraxoidi*, a qua forte speciflce non difTert — Habitat locis incultis in Galloprovincia
- 2 P VILLARSI Jord I c f- Racemo terminali laxo corymboso, ramis oligocephalis patulo-crcclis saepe ascendenlibus subflexuosis, pedunculis longis apice non incrdssaiis involucnsque tomento canescenle parcissime obductis pilis tenuibus patentibus apice glochidiatis piaeditis, involucn fructifen ovati, basi paululum mflali, leviter versus medium constricti foliolis demum nigucantibus laxis linearibus, apice attenuatis acutis. achaenus fuscis pappo brevionbus tjans\eisim stnatis minute rugulosis, receptaculo nudo folns lacte virentibus mollibus, pilis minutis glochiatis utnque puboscentibus, radicaibus feie plants oblongis elongatis, apice paulo attenuatis obtusis, mferoe longe in petiolum angustatis leviter sinuatis integrisve, caulims intcgris vel subdentatis oblongis vix acuiis, basi rotundatis sessilibus vel semiamplexicaulibus, caule slnato bispido scabrusculo apice ramoso caudice bienni vel perennante — *P Pyrenaica* VIU fl Delph III 148 (non L) — In pratis montosis Delphinalus.
3. P. (*Lupxcns*) GAMPYLOCARPA Boiss & Heldr. in Doiss Diagnos plant, orient, nov. XI p. 37 f — Biennis, tola inferne longius, supeine brevissime et tenuiter setuloso-glochidiata asperula caule erecto elaiio, inferne folioso, superne dichotome ramosis* **simo. folns oblongo • spatulatis, inflows basi attenuate pinnoilobatis, lobis parvis** obtusis, mtermediis sessilibus, basi obscure aunculaiis repando-sinuatis subintegns. summis linearibus pedunculis nudis vel 1—2 squamulis obsitis capitula multo supcrantibus involucn phjllis glaucescenti-livescentibus, ad medium puberulis farinaceiSi ad marginem membranaceis non seiosis, extenonbus triangularibus, intenonibus lineari* bus acuiis, ligulis concolonbus involucro duplo longionbus, achaenus bicvibus fld* gulaus, transverse valde rugulosis, valde incurvis, basi attenuatis, superne in rostrum us dimldio brevius angustatis pappo omnium conformi niveo, achaemo longion. *[†] Croscit in colle saxoso apntfo prope Kourmalu Pampliyliae ad radices montis Limax
- 4 P. CYAINOCARPA Boiss l. cit. f — Annua, lota setulis albis bre\ibus glochidia-Us densmscule canescens aspera folns radicaibus oblongis, basi attenuatis pinnatilobatis runcmatis vel smuato-repandis brevibus caulibus scapiformibus ascendentibus punwls simplicibus vel bifldis dicephahs, folio caulino uno alterutiove angust* Imean donatis pedunculo parce squamuloso, involucn pinHis extenonbus paucis 1[†] neanbus. intenonibus linearibus acuminatis fannaceo-puberulis praetereaque dor«o albo-setosis ligulis concolonbus involucro duplo longionbus achaenus omnibus con* formibus cyaneo-glauculentibus transverse valde rugosis in rostrum tenue us longit* ationuatis. omnium pappo plumoso. achaemo aequilongo — Grescii in vnle Mokatebb Arnbiae petraeae olusque deserti locis
- 5 P GLOMEHATA L Koch. Linnaea XXIII. 666 + — Annua, pilis setosis luspida caulis simplex foliosus. folia anguste ellipuca aut sublineana dental infenora in petio* lum attenuata, supenora sessiha semiamplexicauha, calathidia 2—5 glomeiata, anthoda phylia extenora lineau-lanceolata adpressa, inlenorn pilis stngosis aut patulis canescentia, achaenia nignoanti-brunnea, stms elevatis instructo, transverse rugulosa. omma pappo plumoso instructa. — Ad fontes Euphralis.

Subtnbus VH. *UCTUCEAE* Lssng. — DC. 1. c. 133.

LVII. *ACTUCA* Tournef.

(DC. Prodi VII 133 - Wiprs Repert. II 693 VI 354, Annal I 461 ft 997.)

- 1 ⁱ *I* (*Scanola*) *CYANEA* C Koch, *Linnaea* XXIII 671 f - *Glabemma* caulis erectus superne ramosus, folia veiticialia pinnatifida, lacimis distantibus subfalcatis, ad marginem setoso-aculeatis simul ad supenorem dentatw. ihachi srtulosaaaut inermi, sessilia anniculis deorsum dmgentibus amplexicaulia. ramorum ovato-lanceolala, aunculis' magnis ramulos amplectentia Integra, rami 2-3-flon! Uonbus caeruleis breviter pe- uicellatis. achaema utnnque 5-striala, supeine puberula gnseo-nigrescentia, rostro a^obo paullulum brevioia. — In montibus Ponti.
- 2 ^l *TEPHROCARPA* C Koch 1 c. 672. f - *Pluncaulis* *glabemma* caules pedals vix ^{ult} ^{inf} ^m th ^{ra} ^{er} ^{ecti} ^{aut} ^{asc} ^{endent} ^{es}, superne corymboso-paniculau, folia radicalia et caulioa ^{en} ^{ora} ^c ^{une} ^{ata} ^{qu} ^{idem}, sed apiculo mstructa, margine dentibus parvis sed aunculis ^{ax} ^{imis} ^s ^{ae} ^{pe} ^{dent} ^{atis} ^{am} ^{plexi} ^{ca} ^{ulia} ^{ram} ^{uli} ^{fol} ^{us} ^{mm} ^{utis} ^d ^{ense} ^{vest} ^{iti} ^{un} ^{iflon!} ^{an} ^o ^{ai} ^{um} ^{cy} ^{lind} ^{ncum} ^{im} ^{bnc} ^{atum}. achaema pallide cinerea, utnnque 10-stnata, superne ^{Puberula}, rosiro vix breviora — In Grusia.
- 3 ^l *BRASSICAEFOLIA* Boiss. *Diagnos. plant orient -nov.* XI p 49. f — *Glabemma* glau- ^c ^{esc} ^p ^{ng} ^{per} ^{en} ^{ms} ^{ca} ^{ule} ^{asc} ^{enden} ^{ti} ^{el} ^{ato} ^{ter} ^{eti} ^{tenu} ^{iter} ^{str} ^{lato}. superne patule ramo- [^] ^{ss} ^{im} ^{no}, ramis apice dichotomis, folus subconaceis argute denticulatis, radicalibus ^{ca} ^{ul} ^{ims} ^{que} ⁱⁿ ^f ^{imis} ⁱⁿ ^{di} ^{vis} ^{is} ^{ov} ^{ato} ^{ob} ^{long} ^{is} ⁱⁿ ^{pe} ^{li} ^{olum} ^{bre} ^{em} ^{att} ^{enu} ^{atis} ^{vel} ^{sub} ^{ly} ^{ra} ^{ti} ^o ^{segmentis} ^{lateralibus} 2—4 parvis, teiminali ovato, caulims ovaiis parvis aunculae- ^t ^o ⁱⁿ ^{ub} ^{us} ^{sessi} ^{hb} ^{us} ^{ov} ^{atis}, basi cordaio-amplexicaulibus, aunculis roiundatis, capiius ^Q ^V ^{olla} ^{bre} ^v ^{is} ^s ^{is} ^{pe} ^{dunc} ^{ul} ^{di} ^{is} ^{sec} ^{us} ^{ram} ^{ulorum} ^{ex} ^{ire} ⁱⁿⁱ ^{ai} ^{em} 3—5 laxe dispositis; pe- ^u ^{nc} ^{ulis} ^{ram} ^{isque} ^{brev} ^{iter} ^{gland} ^{ulos} ^{is}, involucn phyllis glabus pallidis ab infenonbus ^t ^{non} ^{fl} ^{an} ^{lance} ^{olatis} ^{ad} ^{int} ^{ima} ^{lance} ^{olata} ^{sens} ^{im} ^{auct} ^{is}, flosculis lutescentibus extus ^{ru} ^b ^{ellis}, involucrum non superantibus, achaemo rufo laevi compresso Dblongo-linean ^{Ul} ^r ⁿ ^{que} ^{sub} ⁵ st ^{nal} ^o, rostro tenuissimo achaemo paulo longion. — Crescit in scbis- ^l ⁰⁸¹⁸ ^{ro} ^{otis} ^{El} ^{brus} ^{pro} ^{pe} ^{Der} ^{wend} ^{In} ^{Persia}
- 4 ⁱ ^l ^{SCARIOLOIDES} Boiss. 1 c p 49. f — Biennis caulibus glaberrimis albis tenuitei ^{at} ^{is}, superne ramosissimis, rnmis dichotomis ramulisque elongatis slnctis pamculam ^{pa} ^{ente} ⁿⁱ ^{lax} ^{am} ^{form} ^{ant} ^{ibus}. foliis pallide virentibus, margine denticulate-spinosis, ^{sub} ^U ^s ^{ad} ^{nervum} ^{medium} ^{acule} ^{atis}, caeterum glabus, mflmis basi attenuatis late lineacul ^U ⁸ ^l nd ^{ms} ^{is} ^{vel} ^{pinnatifldo} ^{run} ^{cm} ^{atis}, supenonbus a basi latissime rotundato-ann- ^{ata} ^{am} ^{plexi} ^{ca} ^{uli} ^{ov} ^{ato} ^{ob} ^{long} ^{is} ^{acum} ^{malo} ^{att} ^{enu} ^{atis} ^{magis} ^{min} ^{as} ^{ve} ^{lob} ^{atis}; oapi- ^{tu} ^l ^{is} ^{bs} ^{sessi} ^{lib} ^{us} ^{ped} ^{unc} ^{ulatis} ^{ve} ^{ob} ^{long} ^{is} ^{par} ^{vis}: ^{In} ^{voluc} ⁿ ^{pall} ^{ide} ^l ^{iv} ^{escen} ^{us} ^{glab} ⁱⁱ ^{po} ^{llis} ^{ab} ^m ^{fl} ^{mis} ^{tri} ^{ang} ^{ulan} ^{bus} ^{ad} ^{super} ^{iora} ^{lance} ^{olata} ^{sens} ^{im} ^{auct} ^{is}: ^A ^{os} ^{culis} ^{flav} ^{is} ^{oli} ^{ici} ^o ^{dup} ^{lo} ^{long} ^{ion} ^{bus}. achaeniis demum atro-rubns elliptico-lmearibus, utnnque ^u ^{enu} ^{atis} ^{compress} ^{is} ^{mul} ^d st ^{natis}, apice subscabndis. rostro us aequilongo vel sub- ^u ^{ev} ^{ion} ^l ^{erm} ^{ma} ^{us}. *pappo cadudssimo* — Crescit *m alpe Kuh Deln Peraiae* austraiis ^e ^o ⁿ ^{onte} ^{rots} ^{chal} ^{Persiae} ^{boreal} ^{is}.
- 5 ^l ^{LIVID} A Boiss et Reut *mss m Boiss Voy. hot App p 742 f* — Biennis. folus ad ^c ^l ^{am} ^{et} ^{sec} ^{us} ^{nervos} ^{Jater} ^{ales} ^{acule} ^{atis}, ^{radic} ^{ah} ^{bus} ^{ob} ^{longo} ⁻ ^{spat} ^{hulatis} ^{inte} ^{gr} ^{is} ^{vel} ^{lep} ^{ando} ^{lob} ^{atis} ⁱⁿ ^{peti} ^{olum} ^{longe} ^{att} ^{enu} ^{atis}, caulims horizontalibus iun- ^{ci} ^o ^{ato} ^{sagitt} ^{atis}, lobis reversis sursum decrescendbus ilerum runcmato - denlatis, tci- ^{nah} ^m ^{mon} ^{sub} ^{lance} ^{olato}, pamculae amplae lamis divancaio-ramosis, capitulis 20 [~] [<] ⁵ ^{flons}, ijguUs extus lividis. achaeniis atus quinquenerviis — Habitat in- ^{mer} ^{um} ^{oi} ⁱⁿ ^{dm} ^j ^Q ^g ^l ^U ^P ^e ^s ^t ^{rib} ^{us} ^{Tolet} ^{ams}. **Hispania**

- 6 *L. (Mycehs?) FLAVIDA* Jord Cat dujard deDijon1848 p 26 — Paniculac palentis ramis allernis racemosis, capituh pedicellatis, involucn pallido subpulveracei foliis lanceolato- lineanbus, apice laxis obiusiusculis flo&culis lacte fld\idis oblongis acute dentatis, achacmis atro-brunneis obovato- oblongis, basi et apice attenuate latiuscule marginatis, ad marginem superne sublihsime stabns glabns, ncrvis prominulis utnncq 5—6 mslruciiis, pappi mvci breviusculi stipite tenui albido achacnio bievioire folns laete vnentibus, cannaaculcalis, radicaibus lalis obovatis, in petiolum angustalis, margine ciispalo-deniatis, caulims ovali- oblongis obtusis sagittaiis sinualis integnsve mucronato-denticulatis, ramcalibus intcgnns Imeiri-lanceolaus acuminalis — Ad Rhodanum pi ope Lugdunum
- ≈ *L. (Myedis) SCIMPERI* Jaub ft Spach, Illustiat plant oriental HI 114 f tab 281 — Planta glabeinma. veiosimiliter perennis, pedalis Radix. ? Gaulis crectus gracilis substnetus subteres laevigatus, paulo supra basin folio unico instruct, caeterum aphjllus. supra medium bifuicalus, ramis subaequalibus simplicibus crectis, palum divcigentibus, subflexuosis tenuibus apbyllis, ad nodulos flongeross squamula minuta herbacea membranaceo-marginata cordato-ovata acuta vel acummata paucidenticulala vel integenuna semiamplexalili insiunctis Folia tenuia glaucescentia costato-uninerviQ, obsolete venulosa obovato-oblonga sinuato-dentata, simulque maequalitei eroso-denticulala, denticulis cartilagineis albidis, nunc contiguus, nunc remotibus Folia tadicalia I¹*—2 poll longa oblusa, in petiolum brevem angustata Folium caulium sessile acunulatum Calathidia 20—30-flora pedunculate, ad ramos remote lacemosa, subdistitha, alia sohlina, alia gemma, fructifeta ceinua Pedunculi flifor- mes bracteolau, anlhodio bre\iore:>, plerumque squamulac opposiu Dracteolae mmimae albo-scauosae (cum fascia viridi dorsali), subimbncatae vel remotiores cordato-ovatae plciuraque icuminatae Anlhodium 4—5¹A lin longum, cylindraceum vel conico-cylindraceum, 8- vel 9-phyllum calyculalum, foliola lineau-oblonga obtusiuscula plana heibacea membianaceo-marginata tnnervulata biserialia aequilonga, in anthodio fructifei o baⁱ fungoso-callosa, mlcrna extcnonbus paulo anguslora Calyculi squamulae ciicilei 12, quadnsenales imbncatae albo-scanosae (cum fascia dorsali viridi), uninei- viao acutac vel acutiisculae intcegiunae inacquales heteromorphae, demum basi fungoso-callosae, extimae minimae cordato-ovatae, sequentes subdiraidio majores, extimis subconfoimes at basi levius cordatae, pemntimae ovaies vel clliplicac, basi brevissime tiuncato-aunculatae, mtimae oblongae vel oblongo-lanceolatae vix aut ne vix quidem aunculatae, anlhodio subtnplo breviores, squamuhs penintiinis paulo longiores Receptaculum plano-convexum glabrum nudum areolatum Flores in specimne obvio desulerantur —*Mia en hyiichus nudwaulis* DC Piodr VII 180 (ex p) —Habitat in Arabiae palmetis
- 8 *L. ARABICA* Jaub ft Spach 1 cit. 115 f tab 282 — Planta ¹/₂—1¹/_i-pedalis, perennis glabernma glaucescens plerumque pluncaulis Radix repens, velula plciocophala, ciasitie calami ansenni Caulcs eiecti vel ascendentes graciles subangulati stnatuli, substncli vel vane flexuosi, medulla faicti laevigali, magis minusve ramosi (vegeliore paⁿ niculati vel plunes dicbotomi, macnores simplicieiei bifuicati), modo nphylli vel solum folns paucis mmutij> insliucti, modo ad pailcm infenorcm >cl saltern secus basin foliosi Rami simplices vel bifuicati vel ncium dichotomi, subsiucti vel flexuosi, erecii. paulo fJivcigentes, caule tenutoies (pleiumque subQIilormes), clongati aphylli vel parcissime foliati, ad nodulos (longeron squamula minima herbaceo - conacea scanosomargmata ovata vel ovato - lanceolata acuta vel acummata, denticulata vel submtege¹ nma basi cordalo- vel subsagntalo-auriculaia semiamplexatili inslrucli Folia subcafⁿ nosa costato-unmervia, maequalitei eroso-deflticulata, denticulis crebernmis contigu¹ rx toto vel saltern apice albo-cartilagineis Folia ladicaha obovato-oblonga, in petio¹ lum plerumque brevem angustata, obtusa vel acummata, nunc profundius leviusve runcinato-pinnatiflda, nunc luncinato-dentata nunc smuato-crenati. Folia caulina la¹ ceolaio-oblonga vel lanccolata mncinato-pinnatiflda vel runcinato-deniata. vel smuaW denlata (dentibus vel lacinns acutis, saepissimc deltoidejs, plerumque inaequalibus)* acuta vel acummata, infenora 3—5 poll, longa, in petiolum alatum basi cordato-aur¹ culatum subamplexatilem angustata, plerumque coufeita vel appioximata, supenora r¹

.motion vel remotissimi sessilia plorumquo mmula vel minima (interdum ad squamulas teducta), basi cordato- vel sigutuo-wiculata, haud raro subintegerrima, saepe longe cuspidato- icumimti Calathidia ul ninos lateralia tei nunaliaque, in racemos mipriuptos disposih pedunculata 18—25-floia, frucefaia plcrumqie cernua Pedunculi anthodio bicvioics flilormes bncteohti solilarn vel interdum gemim subdisliphi Dinctoolae ilbo-sciuosao subimbncalac coidato-ovatie acutae vel ncummatae, haud raro denliculatae vel flmbnolaiae, summac anihodu calyculo admoiae Anthodium 3Va —4 lin lougum flonbus paulo brevius comco-cylindraceum, 8- vel 9-phvllum, foliola subacqüidli i herbacea membranaceo-rmiffimta erecta bisenalia planjuscua lineana obiusa mulica tneivulala, apice hmbnolaia basi demuin fungoso -callosa, omma delipsis achiemis reflexa vel patentia Calyculi squamulae 12—15 quadriseiiales, laxe iinbnctie planiusculae albo-scanosae (cum fascia media herbacea \indi), obtuse acuminulaiae mulicae tuneivulatae ab eKtimis rminimis ad intimas anthodio subtnplo breviores graditim majoics extnme ct pioximc srquentes coi dalo -ovatae vel cordalo-subiotundae, pemntimie ovato - lanceohne, Insi le\issinie cotdatae, inlimae oblongae vel oblongo-Janceolane, bi&i utunque rotundalae, omnes demum ad basin fungoso-callosae Rrceptaculum discifoime planum nudum glabrum obsolete aieolturn Flores demum subaequilongi Corollae llavac — Habitat in Aiabia felici

I I {Vyceln'} PLTITIANA A Rich Tent n Abyss I 462 — Caule erecto bipedali et ultra subramoso tcieti glabio glaucescente foliis inferioribus pinnatifidis, basi sensim attenuate mine apice obiusis nunc lanceolate-acutis, segmentis^blongis obtusis obsolete denticulatis, aut lanccolatis acutissimis argute et anguste dentalis, utnnque glabris, subglaucis supremis sessilibus, basi semiamplexicaulibus subcordatis Innceolatis acutissimis aut obtusis, margme argute tt anguste dentalis capitulis brevissime pedunculatis Urelibus subracemoso-coiymbosis, involucri squamis exteinis imbncatis pedunculumque obtegentibus elliptico-oblongis acutis, margme membranaceis, interioribus Innceola'is subobtusis glaucis glabusque achaemis oblongis angulalis scrobiculatis, apice bicviter in collum atlcnuatis, pippi sens albidis mollibus subdentatis — *Mia oi lujnchus octophyllus* Uochst mss — In Abyssimao prov Lhoa

•0 L MASSAVIENSIS C H Schultz (Dip) mss tx A Rich Tent fl Abyss I 460 — Annuca caule erecto ramoso pedali nmis leretibus glabris glaucisque folns caulinis sessilibus amplexicaulibus, ha&i aunculata late cordatis pinnatifido-runcinatis, segmentis oblongis dii<ecto- et tonuissime denticulatis glabris glaucisque capitulis numerosis lercnbus tenmbus, flonbus violaceis involucri foliohs exleims ellipticis paucionibus, niargme hvalini*, mternis lanceolatis obtusim, margme hjalinis glabris glaucisque, achaemis exteionibus oblongis compiessis stnati^ tuberculatisque, apice in collum breve atienatis intenonibus 1—2 subtetragoms pappi albidis setis vix denticulatis. — *Heterachaena Maisoviensis* Fresen — Wlprs Repert Vf 360 no 1 — In Abyssinia

II L PARADOXA C H Schullz (Dip) mss e\ A Rich 1 c 461 — Gaule diffuse rattoso tereti glabro ramis divaiicatis grncilibus folns caulinis subljratis, lobo terminali multo majon oblongo acuto subcordato cmarginato dentato. basi abrupte angustato et longe petiolato, lobis lateralibus binis suboppositis elliptico-oblongis, basi quasi Petiolatis acutis margme subemarginato-dentirulatiB, utnnque glabns-glaucisque. folijs supiemis mtegnis simplicibus lanccolatis capitulis gracilibus teretibus. involucri quainis purpiirascentibus lanceolatis subobtusis glabris guttato-succosis achaemis subteretibus, parte supenore sensim allenuatis, apice dilatato-depressis. pappi sens nlbidis denticulatis — In Abyssinia

LX (3009) €HO]ir»»»ttiI<A linn.

(DC Prodr VII 141. - Wlprs Repert II 694 VI 355)

¹ C H ACANTHOLEPIS Boiss Diagnos plant orient nov |I p 48 (e — Rhizomate duuo toituoso pluncauli caulibus elati^ tenQjter striatis. basi sparsim setoso-aculeo-

lain, caeterum glaberrimi* glaucescentibus, pnrce foliosis, a medio ramosissimis. ramis stntlis virgalis longissimis folns glabns glaucescentibus, mflinis subruncinalo-pinnatiQdis lacinus triangulan-acuminatis, caetens integerrimis, caulims lineanbus, lameis linean-filiformibus, capitulis parvis subsessilibus ad partem supeuoiem ramorum solitarus vel 2—3 in fasciculos disposms calyculi minutissim'i squamis triangular!-acuminatis involucln phyllis 8 linoan-lanceolatis anguste albo-marginatis, sub Ionic parce pulverulento-iomeniellis secus neivum medium setis aculeiformibus flavescentibus sparsia obsitis rostro achaemum striatum sup erne muucaium subaequanti — Grescit ad radices raontis Demawend in Persia

- 2 CH GLOMERATA G Koch. Linnaea XXIII 673 f — Pluucaulis glaucescens, caules teretes striaii ramosi, mfeine setulis aspen, folia radiealia luncinaia, caetera lineana, omma elongate glabei nma calatludia 3—5 glomerulos terminates, inierdum etiam laterales referenda, anlhodium cylindraceum bisenale, phyllis eilenonbus parvis adpiesis glabns, inieuoubus cosia media sens obsitis, ranssime laevibus. achaema rostro paululum breviora squamulis acuiis, coronam referentibus praedila, caelerum supeine aspera — In Asia mmon inter Uumina Kur et Tschoruk.

LXI PIRRHO PAPPUS DC.

(DC Prodi VII 144)

- 1 P (LAGTUCA C H Schultz [Bip] mss) HOCUSTCTTEIU A Rich Tent fl. Abyss I. 463 — Peiennis caule erecto spilhamaeo aut bipedali et ultra, ramosissimo, ramis teretibus bievibus glabAs, folns caulims dislantibus, pmnatipni lids, segmentis lanceolato-lineaubus acutis distantibus glaucis glabns, margine ciliato - deniatis, capuulis terutibus pauciflons subpamculatis irivolucris squamis exterms parvulis submbricatis inaequalibus, internis erectis, saepius 5, lanceolatis glaucis glabnsque, abcaemis matuns nigiescentibus comprossis clliptico-oblongis. vix punctaio-tuberculatis, pappi sens plunscnalibus luffs, margine subsuibris — In Abyssinia monte Koubi
- 2 P (LAGTUCA C H Schultz [Bip] mss) HUMILIS A Rich I c — Perenms caudice raraoso peipendiculan, folns rosellalis numeiosissimis lanceolatis acutis inaequalitei dentato-runcinaiis, utnquo glabns glaucisque, scapo radicali aphylo, 1—2 uncias longo, 1—3-floro¹ capitulis teretibus pauciflons, involucln foliolis inaequalibui lanceolatis subobtusis glabns, apice purpurascens, achaemis compressis subtuberculatis. apice breviter rosiratis, pappi sens rufis barbellalis — In Abyssinae pioy Goa

LXII (3010) TARAXACUM Ball

(DC Prodr VII 145. - Wlpis Repeit II 694 VI 356)

- 1 T LEUCOSPERMUM Jord Gat du jard de Dijon 1848 p 31 — Capitulis terminalibus solitanis involucln foliolis sub apice appendice gibbosa auctis discolonbus, exteoriibus multo brevioribus pulveraceis pallidis ovatis vel ovato-oblongis, a medio pauloerectis fere incurvatis, mterionibus vindibus adpressis lanceolato - lineanbus angusie memhranacto-maiginatis, achaenus albis obovato - oblongis, apice in rostrum ipsi« quadruplo brevioribus desmentibus, maigmalibus 5-costatis, apice praesertim aperW munculatis, intenonbus fere laevibus obtuse 4-costatis, pappi stipite achaamo paulo longioie pappumque subaequante, receptaculi alveolis brevibus, areolis ovariferi^ subexserus, folils brevibus planis glabrescentibus humo adpressis, alns obovato-oblongis m petiolum brevem attenuate, apice jrolundatis subacutis integris v dentatis. caule glabiosculo ascendente flexuoso uniflorol caudice crasso perennante ID radlceff) validam simphecem desinente — In rupestnbus Galloprovinciae australis

2. T. (*Brevirostria*) **PSYCHROPHILUM** fioiss. Diagnos. plant, orient, nor. XI. p. 48. + — Glaberrimum: rhizomate verticali breviter; caulibus membranibus fuscis vestito: foliis omnibus radicalibus patulis anguste lineari-lanceolatis, inferne attenuatis integris vel parce et obsolete deminutis; pedunculis folio brevioribus; capitulis parvis; involucri livescentis phyllis omnibus adpressis glaberrimis, inferioribus dimidio brevioribus, omnibus breviter membranaceo-mucronatis; ligulis brevibus concoloribus; achaeniis laeviusculis, superne subattenuatis, pappo niveo iis acuilongo terminali. — Crescit prope locum in alpinis Hasartschal partis occidentalis montis Elbrus.
3. T. **INTEGRIFOLIUM** C. Koch. Linnaea XXIII. 676. f. - Folia oblonga, in petiolum sensim attenuata glaberrima, deminutata aut integerrima; rhizoma praemorsum, obliquum pinnatiscapum; scapi glaberrimi. folia paene duplo superantibus; anthodii glaberrimi phylla exteriora adpressa, ovato-lanceolata, interiora 12, erecta, lineari-lanceolata, flosculis dimidio breviora; achaenia (nondum matura) brevissime rostrata. — In montibus Pyrenaeis.
4. T. **PACHERI** C. H. Schulz (Dip.), Flora (B. Z.) XXXI. p. 170. - Demum glabrescens: caulis 2-2½ pollicari, folia obverse lanceolata runcinata, rarius subintegra subaequante; involucri nigricantis foliolis intimis 8-10, exterioribus lolidem ovato-acutis erectis, duplo triplo brevioribus; lobis aurantiacis, rarius aureis. externis dorso lividis; achaeniis maturissimis cum rostro dilute olivaceo-cinerascentibus, 3/4-3/5 lin. longis. achaenii corpore oblongo terciusculo - compresso striato-striato, superne latiore, minute aculeolato, rostrum robustum subaequante. pappi 2 lin. longi albi radiis subaequalibus deminutis. — Crescit ad Sagantz in Carniola.

LXIV. (3018.) **MACRORHIZOCHLIS** Lessing.

(DC. Prodr. VII. 151. - Wlprs. Repert. II. 695. VI. 356, Aonal.). 462.)

1. **M. PURPUREUS** A. Gray, Plant. Fendler: 114. — Perennis: foliis e caudice crasso rotundis linearibus integerrimis vel plerisque pinnatis-3-7-lobatis acutis crassiusculis subglaucis glaberrimis; scapo aphylo (6-8-pollicari), juniore floccoso-pubescentie subcapitulo lanoso; involucri glabrati squamis triseriatis adpressis purpureo-pictis oblongiusculis, intimis linearibus extimas oblongas duplo superantibus; flonibus (in sice.) purpureis breviter ligulatis; achaeniis lineari-fusiformibus aequaliter decemcostatis subglaberrimis in rostrum scabridum iisdem pappoque paulo brevius attenuatis. — Crescit in Mexico ad St. Fe'.
2. **M. HDMLIS** Benth. Plant. Harlw. 320. no. 1816. — Perennis acaulis, laxo piloso-lanatus demum glabratus: foliis linearibus remote pinnatifidis; involucri squamis 3-4-seriatis hirsutis, exterioribus foliaceis obtusiusculis, interioribus lanceolatis acutis; achaeniis (exterioribus maturis) leviter obcompressis angustiter costatis, rostro achaenio duplo longiore. — Folia radicalia tripollicaria, basi praesertim piloso-lanata, apice saepe glabra, laciniae et rhachis anguste lineares, omnes callo glanduliformi nudiatae. Scapi circa 5 poll, longi, parce pilosi. Capitula quasi in *M. iroxioides* minoribus. Squamae interiores 6-7 lin. longae membranaceae, feie glabrae. exteriores breviores pubescentes et dorso pilis longiusculis articulatis hirsutae, apice vel apice subpaucis. Achaenia exteriora 1½ lin. longa, rostro trilinearibus 10 parum prominentibus, interiora adhuc immatura costis acutis elevatis, rostro brevioribus. — Crescit in Californiae sylvis prope Monterey.
3. **M. RETRORSUS** Benth. t. c. no. «Ht. — Perennis, laxo piloso-lanatis vel demum glabrescens: foliis lineari-lanceolatis retrorsum pinnatifidis; involucri squamis exterioribus apice foliaceis, interioribus linearibus lanceolatis; rostro achaenio plus triplo longiore. Statura *M. trivimoides* Capitula majora. Folia 4-6-pollicaria, longe acuminate,

rhachis latiuscula, lacinae utrinque 4—8 lanceolatae reirorsae, uti apex folii omnes callo glanduliformi terminatae et nonnulli basi hinc dente auciac Achaena matura ignota, junctorum costae elevatae, rostrum jam 5 lin longum — Crescit in Ciliformae montibus Sacramento

LXV (3021) BARKHAUSI* *Much.*

(DC Prodr. VII 152 — Wlprs Rept II 697 VI 357, Annal I 462.)

- 1 B HETEROCARPA Oeiss Voy bot App 742 f — Biennis, inferne pilis rigidis brevibus asperula caulibus parce foliatis, fere a basi ramoso-corymbosis foliis plenius radicalibus, ambitu lanceolatus runcinato-dentatis acuminatis, caulibus paucis multo minoribus, basi auriculatis lanceolatis, basi pennatifidis, supremis Imeanbus *inlegens* involucri fructiferi pappum dimidium aequantis squamis lanceolatis, margine membranaceis, dorso breviter hirlo-gnensis calyculi involucri dimidio brevioribus squamis lanceolatis, margine anguste membranaceis, dorso breviter luteis achacnus difformibus alus stenilibus albis subcylindricis laeviusculis, alus iertilibus rufis in rostrum filiforme eis aequilongum attenuate, ad strias superne munitatis — In Hispaniae provincia Malacitana
- 2 D ELATA C Koch, Linnæa XXIII 684 f — Annua, viz puberula caulis bi-tripetalis simpliciusculus sulcatus, folia radicalia hinc-oblonga, grosse et irregulariter dentata, breviter petiolata, caulina lanceolata sessilia basi subpennatifida, paene auriculata, caeterum dentata, pedunculi 3—6 elongati, superne fissulosi et crassiusculi sulcati patuli, calycidia fructifera tetricosa anthodii phylla eitenora lanceolata glaberrima patula, interiora lineam-lanceolata concava villosiuscula et setis patentibus longis obsita achaema omnia Jongissime rostrata, stantia — Schirwan
- 3 B TRIANGULARIS G Koch 1 c 688 f — Perennis (?) caulis paucis praesertim basi ramosus, ramis elongatis patentibus, pinnatifidus, ad partem inferiorem puberulus caeterum glaber laevis folia radicalia rosulata petiolata cinerea hinc-solulosa in toro rupte pinnata, pinnae majonibus triangulanibus, vel basi lacinus brevibus duabus praeditis, suprema ipsa dentata, petiolatis aut sessilibus, minoribus irregularibus, saepe angulatis, folia caulina pauca, basi lacinata, margine setulosa caeterum glabra, supremum lineana, anthodium subimbricatum, squamis externis patulis lineanibus, internis lanceolatis, villosiusculum, achaema stantia, marginalia brevissime, caetera longe rostrata — Circa Tiebisond.
- 4 B HIRTA C. Koch 1 c 687. f — Biennis, pilis brevibus albis ex parte densissime vestita caulis erectus ramosus, ramis patentibus folia lanceolato-pinnatifida. inferiora in petiolum attenuata, caetera sessilia, lobis angulatis aut lanceolatis dentatis ramorum oblongo-lanceolata inciso-dentata anthodii ovati subimbricati maxime birticentis phylla parva. achaema omnia, sed marginalia brevius rostrata — Ad Bosphorus
- 5 B SCHULTZII Hochst mss ex A Rich Tent 0 Abyss I 464 — Caule erecto tripetalis, basi subsimplici, parte superiore parce ramoso, subangulato hispido, foliis oblongis obtusis mucronulatis, margine subtruncato-dentatis ciliatis, subtus pilis rigidis conspersis, inferioribus basi sensim in petiolum attenuatis, caulibus sessilibus, cordato-sagittatis semiamplexicaulibus, capitulis parce numerosis subcymosis involucri foliolis extensoribus lineanibus brevibus laxis, interioribus lanceolatis, apice acuminatis subobtusis, dorso nigrescente cincto-lanatis, achaenus (quoniam) apice vix attenuatis glabris, pappo subsessili — Habitat in Abyssinia
- 6 B TENERRIMA C II Schultz (Dip) mss ex A Rich 1 c — Caule eorum parte ramoso pedibus gracilibus glabro, foliis inferioribus oblongis subobtusis tenuiter membranaceis

naceis, dentalis am runcinato-dentatis, pane inferior! in peiolum longum attenuatis; capitulis solitariis caulis ramificationes terminantibus; involucri foliolis externis linearibus laxis, pilis quibusdam nigrescentibus conspersis, internis lanceolatis aculis, lanuginosis et pilis nigrescentibus conspersis; achaeniis elongato-teretibus glabris in cololum sensim attenuatis, pappi setis scaberulis. — In Abyssinia prov. Semiene.

7. D. ADENOTIIRIX G. H. Schullz (Dip.) mss. ex A. Rich. I. c. 465. — Perennis pumila: foliis radicebus numerosissimis, inferioribus spatulato-oblongis obtusis, caeteris acutis, margine denticulatis, basi in petiolura attenuatis, praesertim subtus puberulis; caule 3—6 uncias longo, basi simplici, apice parce ramoso tereti nudiusculo pubenti; involucri squamis externis brevibus linearibus acutis laxis, internis erectis subinaequalibus, margine hyalinis, dorso tomentellis et setoso-hispidis; achaeniis elongatis teretibus, apice longe attenuatis, striatis glabris. — In Abyssinia prope Adoua.
8. 0. SGHIMPERI G. H. Schullz (Dip.) mss. ex A. Rich. I. c. 466. — Annua: caule erecto, basi simplici, apice parce ramoso, 8—15 uncias alto, tereti hispido; foliis inferioribus oblongis angustis dentato-runcinatis, basi sensim attenuatis, utrinque piloso-hispidulis; involucri duplicis foliolis exterioribus laxe imbricatis linearibus hispidulis, interioribus erectis lanceolatis acutis, dorso prominulo hispidulis, sublanugiaosis, margine glabris et tenuioribus; achaeniis subcompressis striatis subtuberculatis, apice longius rostratis, pappi albidis setis denticulatis. — In Abyssinia circa Adoua.

LXVa. PSAUOIOSERIS Boiss. et Heul.

(Boiss. Diagn. pi. orient, nov. XI. p. 52.)

Capitulum multiflorum. Involucrum uniseriale, basi squamis paucis calyculatum, phyllis immutatis. Receptaculum nudum foveolatum. Achaenia exalata subcompressa sub-10-striata, rostro squaeo albo iis quadruplo longiori terminata. Pappus multiserialis pilosus albus apice subincrassato rostri insertus deciduus. — Herbae annuae Aegyptiacae arenicolae. — Genus a *Barckhausia*, cui affine, distinctum achaeniis brevibus subcompressis nee tereti-cylindricis, abrupte in rostrum longissimum album nee ex achaenii substantia ortum attenuatis.

- !• PS. SENECAIDES Boiss. et Reut. I. c. p. 52. f — Annua, sub lente parce et brevissime hirtella: foliis rosulatis lanceolato-linearibus acutis pinnatifidis dentatisve, lobis triangularibus argutis, margine parce ciliatis; caulibus multis ascendentibus scapiformibus, foliis vix longioribus, simplicibus vel a medio ramosis 2—3-cephalis, foliis 1—2 linearibus vel lineari-setaceis obsitis; capitulis minimis subcylindricis; pedunculis setis brevibus paucis obsitis vel glabris; calyculo involucro quadruplo breviori; involucri lutescentis phyllis conniventibus, anguste nigrescenti-marginatis lineari-lanceolatis obtusiusculis, dorso serie simplici aculeolato-setulosis; ligulis extus rubellis. involucro paucis longioribus. — *Barckhausia senecoides* Spr. — *Crepis senecioides* Delile. — Crescit in arenosis Aegypti circa Kahiram et in palmetis ad Saokara.
- *• PS. ARABIC A Boiss. et Reut. I. c. p. 52. + — Annua, sub lente brevissime setulosa-hirtella: foliis rosulatis oblongis argute dentatis pinnatifidis partitisve, segmentis parvis ovatis, saepe parce denticulatis; caulibus pluribus ascendentibus, a medio subdichotome et breviter ramosis 3—7-cephalis, foliis 2—4-plo longioribus; folio caulino inferiori saepe pinnatisecto. reliquis minimis setaceis; pedunculis glanduloso-hirtis; ciliis mediocribus calyculo involucro triplo breviori; involucri phyllis conniventibus

bus linean-lanceolatis obiususculis, brevissime seiuis albis nigisque hirtellis ligulis luteis concoloribus involucri paulo supernubus — Ciescit in arenosis Arabiae petraeae Palaestinam versus

LXVII (3022 a 3029.) CREPIS Mnch.')

(DC. Fiodr VH 160 — Wlpris Repeit II 697 & 993. VI 357, Annal I 463)

- 1 CR (*Phaeccasium*) GADITANA Boiss Vov bot App p 743 f — Annu. mferne lana crispa Diolli rufescenle in paito inferior! cnulis et ad nervum medium foliorum copiosa vostiū, superne porce breviter glanduloso-hisp dula, ranus ton subglabi escens caule pumilo a bnsi divancaum rimoso ramis paulis, Coins teneris plus minus gnseo-hiitis, radice ilibus oblongo-lancoolatis acutiuseulis dentatis, dentibus subntorsis, caulmis basi neute aunculatis profunde dentatis, superne subintegiis acuminatis, supremis linoanbus integernmis pedicellis ante anthesm nutantibus, fiuctifens arcuato-patulis capitulis parvis involum squamis doiso parce glandulow extenoubus lineanbus adpressis plus dimidio brevioubus, achaonus brevissimis oblongo-cylindncis rectis 10-stualis compressiusculis, ipne paulo anguslionbus, pappi albi fugaciqsimi terliam partem acquanlibus receptaculo glabio — In Uispania ad Giberaltar
- 2 CR AMBIGUA A Grav, Plant Fendler 114 f — Caule scapiformi e radice perenni simplici, basi folioso, apice racemoso 5—8-cephalo loliisque ohovalo-oblongis integernmis setis pateridibus sparsis hispidis, caeterum glabeinmis, capitulis majuscuhs longiuscule pedunculalis cnca 30-flous, involucrio cylindnco hirlo, squamis lineanbus cxlimis duplo bievionbus appiessis, ligulis (flavis *) gemlalia havid supcranlibus, aihae-mis fusiformibus, superne scnsim augustatis multicostatis glabernmis, pappum albidum longitudine aequaniibus — Crescil in Nova Mexico
- 3 CR MULTICAULIS C Koch, Lfnaea XXIII 690 f — Pluniceps capmbus pluncaulibus caules numerosi elongati, apice coymbosi subaphjlli glabn folia capituin linea-

*) A *Cicpide* vix diiTert genus nupemme restitutum

LEPICAUNE Lapeyr.

(Lapeyr Histor. abr d plant Pyren 478 — C Koch, Linnaea XIII 682 — *Goatium* Gnseb)

Involucrium imbncatum Achaenia confoimia, utnque attenuate 20 — 30 - stnata. Pappus niveus mollis aut subfragilis, ladns capillanbus Receptaculum nudum. Florrs lutei

1. 'L. GRANDIFLORA C. Koch I c 683 — *Ihracium gi andiflorum* AU. — *Crcihs Mfan-diflora* Frdhl — DC Prodr VII 166 no 30
2. 'L. SIBIRICA C Koch I c — *Crepis Sibirica* Pali — DC 1 c 167. no 33.
3. *L CILIATA C Koch 1 cit - *Crepis thata* C. Koch. — Wlprs. Reper VI 358 no. 7
4. L. DISHIMILENSIS C. Koch, Linnaea XXIII 683 f - Caulis erecius aut adscendens suloato-stnatus, puis hieyibus glanduliferis obsitus simplex, apice corvmbosus, folia radicalia oblongo - spatnuiata, in petiolum bievem aitenuata, irreulantci inciso-dentata, caulina oblonga deotata semiampicicaulin, omma acuta, pllis brevissimis glanduliferis aut aspens vestija pedunculi 2—6 patuli elongati glandulifen, anlhodii liffricamis glandulifen ovati pnylln extenoia pauca adpressa, pappi setae ngidac. denticulatae. — In montibus Ponticis.

- ria elongata lunonato-dentata, globrn peduncuh bull glanduliferi, calyculi minimi phylla lanceolate glabra, anthodii pin Ha lanceolata hirtn, aohaenua aubteretibus striatis erostnbus vix breviora — In A>ia minoie in voile Tschabaul
- 4 CR (*Decemcoitatac*) DENS LCOMS C Koch, Linnaea XXIH 689 f — Annu caulis erectus basi ramoso-divancatus, ram is clongnus simplicibus aut subramosis, foliis fulentjs, scd aphjllis, mferne puberutis, caoterum glabi iusculis folia radicalia et caulinn infer a puberula oblonga pinriatfildo-runcmata, pinns Jirienn -oblongis aculis, denlnulaiis, *supicm19 contluenuhus*, rinchi dnuiculata, folia ramos fulcrantia Janceolata, Lnsi auriculata, sfd aunculi* suisuin veisus patonlibus peduncuh elongati, supeme saepe curvatuli glabcrmmi anthodii phylla ncessona lmoana patula, cnetra canescniin, scd ntrvo medio obscuro-vnidi mstiucia aciliaema 20-s(nata nigncanti - brunnea, 'basi ct apice paululunl attenuate — In Caucasi minons distinctu Chewi
- 5 CR (*Scapigeia*) OLYMPICA L Koch I c 691 f — Radix praemorsa plunceps mgra, folia parva, sola tadicalia ghbeinma, angustc oblonga, Integra aui basi runcinata el in petiolum attenuata, scnp0 umfloro' squamula una alierave obsito, apice tintum glnduhfero multolies breviora nntbodium subimbncaium glanduliferum, phyllis prieseriim medio nigncantibus lanceolaiis, ezterionbus subcalycularis, apice patulis, ovatum pauciflorum — In Ołmpo Bubjmco
- 6 CR (*Intybelloides?*) GRETICA Boiss Diagn plant orient nov XI p 53. f — Annu breviter hirtelln foliis omnibus radicadbus obovatis obsolete denticulatis vel pinnatifldis, caulibus numerosis selaceo-flliformibus ascendentibus simplicibus vel parce rapinsis globns, capitulis minimis longiusculc pedunculatis, involucln squamis accesso- IIS 3—4 brevissimis setaceis, pbyllis glabns vel dorso setulosis, fructifens patulis submduratis canaljculatis, doiso obtuse carmutis achaeims oblongo-lanceolatis strialis, apice in rostrum us duplo breuius ailenuaiis, pappo valde deciduo achaemo brevion. — *Baickausia Cretica* Boiss. — Liescit in Greta
- 7 CR (Euctej)i«) SIEBERI Boiss 1 c 53 f — Percnms radice praeraorsae flbns cylindncis tenuibus elongatis collo lana rufescenli veslito, caule parce pilosulo glabrove, iupeino laxc corymboso - paniculato, folu* tenens lacte virantibus, sub lente secus costam densius, in utraque pagma parce setulosis, radicalibus mfenonbusque petiolntis. interrupte lyiato - pmnaupartitis, lobis lateralibus numerosis a supenonbus ovotis angulatis subretrorsis ad nflmos tngulares sensim diminutis, term in all majori basi truncato vel subcordato-ovato acutiuseulo obbolete dentato, folio caulino ad lamum mfoilorera sito sublyrato, hnsi amplexicnuli, caetens iineaubus inlcgns brevibus; ramis pedunculisque glanduloso-pubescentibus, calycub squamis adpressis tngulan - lanceolans mvolucio quadmplo brovionbus, involucln puberuli phyllis lineanbus umsefialibus aculis angusto albo-marginaiH, ligulis intense flavis concolonbus, nrvolucro duplo longionbus, achaenus angulatis sub -15-nervns, apice subatteouatis. pappo niveo deciduo achaenu longiudme — *Ciepts interrupta* Sieb. (non Sibtbp) — Crescit »n rupestnbui Peloponnesi et Atlicae, ei in msulis Cretae et Zncynlhi et Cois.
- 8 CR HIEROSOLYMITANA Boiss 1 c p 54 f — Perenms radice praemorsae flbns longis tenuibus cylindncis, collo glabro. caule ima basi setuloso, caeterum glabro, supernc loxe corymboso-paniculato, foliis teneus laete vircntibus. æd rhachidem sub* tus parce seiulo»is, caeierum glabns, radicalibus peuolatis lyrato-pinnatipaitius, rhachide aJaia integra, *scgmenua laterahhus* numeiosis ovato-iotundw subintegns oblusis, a supenoubus ad inflma diminutis, teiminali a basi subcordala ovalo-oblongo obtuso subrepano, foliis caulinia infenoubus 1—2 lbraus, basi dilatata amplexicnulibus ro-^ndaio-aunculaiis, ramus lineanbus abbreviads, jedunculis glabns vel sub lente citspuk et jninuiissime puberulis, calyculi squama lanceolutis acuminatis laxiwicubs, mvolucro triplo bievionbus, involucln subfannoso-puberuli pbyllis Kmccolatis, angu-^sie albo-maiginatis aculis, ligulis contolonbus, involucro duplo lougionbus, achaenus

- subincurvis angulalis sub-11-nerviis supeme subattenuatis pappo mveo cito deciduo, aciliaens longion — Crescit in rupes inbut. collium circa Hierosolima
- 9 CR MUHGRERII BOISS ft Heldr 1 c 55 f — Perennis radice praemorsae fibris tenuibus cylindricis, collo glabro caulis subaphyllis, lacinustulis, infere biluicis vel a basi plures et dichotome ramosis folia vix duplo superantibus foliis tenerii. laete virentibus, sub lente paucis setulosis luncmalo-pinnatifiditate sublinearibus petiolatis, segmentis lateralibus numerosis a superioribus oblongis angustis retrorsis ad infima truncata diminutae, lemnali tantum duplo majori a basi truncato-subcordatae bieviter ovalo oblongo integro, foliis ciliatis squamiformibus, pedunculis longis parce squamulosis, superne minusculis et conspuepubeiuli* calyculi squamis breviter lanceolatis ciliatis illis involucri triplo brevioribus, involucri minute glanduloso-puberuli phyllis linearibus acutiusculis ligulis minusculis concoloribus, involucri duplo longioribus aciliaens subincurvis sub-15-nerviis, nunquam subattenuatis, pappo mveo cito deciduo brevioribus — *Cr. Ueulenana* var. *rimoi* Heldr — Crescit in quercetis* montis Idic supra Vonsa alt 3000—4000 ped
- 10 CR RLUTPRIANA Boiss 1 c p 55 f — Perennis radice praemorsae fibris tenuibus cylindricis collo glabro caulibus erectis minusculis glanduloso-bertis, catterum glabrusculis paulo supra basin dichotome et siccitate ramosis laxe corimboso-paniculatis foliis fere omnibus radicalibus magis minusve praesertim ad costas pubescenti-glandulosis petiolibus linearibus pinnatifidis linearibus, segmentis retrorsis oblongis vel triangulatis acutissimis integris, terminali basi truncato triangulari, alus 2—3-plo majori folio caulino uno alterove linearibus integris pedunculis elongatis glabris nudis, capitulis mediocubis, calyculi squamis triangularibus lanceolatis acutis albo-marginatis, involucri quadruplo brevioribus, involucri glabris phyllis anguste linearibus, laciniferis livescensibus* anguste albo-marginatis, filiculis dorso ad tertiam vel dimidiam partem usque secus nervum medium elevatum rotundato-carmatum spongiose incrassatis, ligulis lanceolatis concoloribus involucri sesquialongioribus, achaenus cylindricis reclinatis sub-15-nerviis, & superne vix attenuatis. pappo mveo demum deciduo us paulo longioribus coronatis — Crescit in montanis dumosis Anatoliae
var. P Pedunculi superne involucrique pubescenti-viscida. — Crescit in regione media Hermoms supra Rascheya et Gebel Uaruck Libani
- 11 CR SIRTHORPIAN\ Boiss ft Heldr 1 c 56 f — Rhizomate nudo indurato ramoso caespitoso foliis fere omnibus radicalibus breviter puberulis obtusiusculis, ramos aculis oblongo-lanceolatis dentatis vel runcinato-pinnatifidis, segmentis triangularibus aculis retrorsis, terminalibus paulo majori triangularibus acutis, caulibus nanis puberulis stantibus angustis crassiusculis, folia paulo superantibus, superne alternatim 2—4-lobatis, ad pedunculorum insertionem infractoflexuosis. pedunculis fere horizontalibus ciliatis capitulo brevioribus, basi foliolo linearibus setaceo subtulsi calyculi squamis adpressiusculis linearibus, involucri albo-tomentoso triplo brevioribus phyllis linearibus ciliatis elliptico-linearibus obtusiusculis, socus linearibus marginatis, marginibus albo-membranaceis, ligulis subtilibus ciliatis aciliaens sub-12-nerviis cylindricis rectis. basi et apice obsolete attenuatis pappo nneo us aequilongo superatis — *Cr. divaricata* var. *canescens* Boiss — *Ithiacum foetidum* Fl. Graec non Willd. — Crescit in saxosis montium Sphacelium Creiae in monte Mravopodia aUilu¹ 6000 ped
- 1¹ CR MACROPUS Boiss ft Heldr 1 c 57 f - Rhizomate crassiusculo nudo, collo squamoso foliis radicalibus ad costam parvisime hirsutis petiolatis runcinato-pinnatis partibus acuminatis, segmentis omnibus linearibus lanceolatis acutis integris vel densiusculis caulibus puberulis simplicibus vel ad medium sessilibus vel bis bifurcis 1¹4-ciliatis foliis ad dichotomias anguste linearibus integris pedunculis longis recurvis squamulis sericeis paucis obsitis, capitulis mediocubis calyculi squamis linearibus lanceolatis numerosis inaequalibus adpressis, involucri phyllis dense fannoso-tomentosis lanceolato-linearibus acutiusculis, ligulis flavis concoloribus, involucri sesquialongioribus, aciliaens sub-12-nerviis ciliatis linearibus lectis, apice linearibus attenuatis, pappo mveo »¹

CREPIS

longer, suncrati, - Ot. *m«*» «* «'''W« m i r ~ CreSCn, m CMba ...
Soma e Sd occultentem urbs Konan BcCeber m,»s

IS rn »TTinA Rn,« l e t - P««TM'* rhiromala caeapiloso, collo valde squamoso:
13 CR ATIOA Boiss l e t
folns radicalibus hnceolais aculs. in i reuolum celulosum longe et anguste allenuatis.
caeterun, g.abns .ucdis ae*re ti s u er et rem ous d(nUUt, de nubus
brcv,bU, Irian,uhr.bus mu ^ oau'e clis rec linearl,quara u!08is foln. oaul-
chotome 2-1-cephalo t * T ^ £ % £ a ^ aul.s n,ed,ocr.bus .nvolucn brevis-
ns 1-2 lonce at anguste I'nea Lus neg, au'cis trinlo brw10,*», lmean - lanco-
" • • tam-o-ioma DWBi« f « " r r ^ ^ i l l ,angu'st,albo-marpnaus. l.gol» pal-
UU. Pl.jlls mgncnubus *ca fibus ob usu i ^ subangalals mullistr1,.
lid. flavu concolonbus " " « * ^ ^ B J on oribus a £0 nlveo ^ M M » « paulo loopci term-
i.a. ulnque vu perspeue tumwu. P busi montis A|ho|M
nans, ejiioiibus subincurvis - Crescit in lupi <J,BIII1r m, n.ree
" -o . ifermnis tola sous sparsissimis glanouhicris parce
14 CB RAUMHIBOM I a 5 8 / - ' « " « ' • t l ,s omn.b,»s rrtatbta v.ndibu. ob-

long,s. in pculum a.tcnuals parce et .male .ep»n
•hab. folia paulo superantibus, aqoula P«a» a*k«s obsitis capitulis medloCr, bus;
suarais aeossoms paucis lmc dri-solace.. ^ P'''*'''',,011, eto dimid' bicT10r11)US,
brovl, simam fa.-
,nvo,cr, phyms a n ^ e .me.ubus aous' p.a. J ^ " , ^ ! - . -olucr. v,x
naceain seihs glandulosis paucis obsjtis. liguns iav
sesquHonponb,,,. aCaenus ' pappo nveo - Croso, in Om ^
filiformi audo.
<5 OR (*.,,«* « ELBBUSENSIS B...SJ . « ^ J » t a j «
r o s ^ s conforus. pd,s a,b,s brevibas to«ta«*«
P ^ ^ ^ argute
pauuiu. oegmentis subretrors.s oblong.s «««*»
ribuave parvis,
longo argute et iemol, denticulalo oblu-
fluHUdokia mtegnsv. WW » * " " ^ I foha 2-3-plo sup.ranubus semel T.1 bis
siu-culo breviie. mucronalo, « wUbu* B...? *
d diclolon.iam sitam nud.j, cnpid-
diva.icat.ra bilurcis. praeier squamulam line »
lan(iu)lolo suOUlus. calyculi squa-
lulis mediocnbus.pfdunculolongo s'p'oine
lo br'eviol'ibus, pbjllis livescentibus
nm onlo-oblongis acutiusculis.OUCI, trip
medl nm glondulo»o»etulos«.
pracicr pubcm brevissimam f«ll,accam S, i s lineam
i, 1 lonrlollbu,, achiem.s reclis cyl.ndncis
ligulis OJVIS concolonbus, involucio sesquii ^ ^ b w w n Superall, -
U-15-sinatis obsolete alienualis, palipo. ni lveo cadu
in parte occdenlali monUs
Crescit » loco Char Gerdene d.cto prope pigTM * » * "

Elbius in Pers.a . , - , » + Rhuomate caesp.toso. pauolia nwaln
»« CII ROBERT10IDES Boiss 1 c P»8 TO-J
valde squamoso. folns sub lenie paress.nie pub.ru^1 s ve, omnl,110 giabris, omnibus
radicalibus caespuosis Immibus " ^ W " J J T * ^ s I bachide anguste li Man
PU... segments mangularibus ve l'n«»";bu° '2 / 0 ; i ap.form.bus mono.epb.1...
•naequahbu.. terminal, oblongo aculo caul.bus »»roetm»1
feliaiuplosuperannbus squ.mul.una»U»rave>«*TM2'oZo Wpl» br.t.,r,ba.,
accessor,, paucs .ngus.e ^ ' • | * * r * S I , hresc.nt.bu. Hn."b». «cu-
mvolucr. ph,ha* pane « brOT,8sim V^7r";5u«onglbu, .ch.n.i. ^b,ngult.s
•is l,cul,s «av,subus ubelbs. " T ^ ^ V E ^ A p H " «*d<»" aquilongo su-
mulum; rec, -mm- « • " ^ S S T i * - R.<h.j.. uh gegan crescit
pcratis - desert in region, superior. Hermons
alt 8000—9000 ped

LXX (30240) HBTBUACI* F^ * **

(DC Prodr. VIF 178)

DC I c - Jaub ft Spach. Illusir pi orient. IH

1 ' H SZOWITZH Fisch ft Mey - ^
«6 £ tab 287

LXXIIa CYMBOSERIS Boiss

(Boiss Diagn plant orient nov XI p 50)

Capitulum multiflorum Involucrum basi breviter calyculatum, phyllis sub anthesi planis enervis, post anthesin dorso valde incrassato multifatis induratis spongiosis exclus cinnato-convexis mutus cymbiformibus. Receptaculum nudum Achaeni dissimile, disci calva compressa late bialata - subtriquetra facie extensa sensim prominenti cinnata, interiori convexa subcymbiformia involucri pluvialis arete incumbens Achaenia radii cylindrica striata a basi subcalloso-incrassata cava, ad apicem usque sensim subtriquetra papposa Pappus pilosus albus molis tenuissimus multiscialis irbaenio brevior persistens — Herba annua Palaestina facie *Vhaecasu* sed omnibus partibus major — Genus a *Lepide*, *Endoptera* generibus affinis achenis extensibus calvis compresso-bialatis exclus triquetris mutis convexis nec ut in *Crepide* conformibus cylindricis nec ut in *Endoptera* inclus unilatis nec ut in *Pterotheca* mutis 3—5-alatis leptoaculoque omnino nudo distinctissimum.

- 1 G PALAESTINA Boiss 1 c p 51 - Annu brevis teretis papillari-hirtella caule erecto tereti folioso superne ramoso corimboso-paniculato folis laevibus tenens, inferius in petiolum attenuatis runcinatis lris segmentis lateralibus paucis ovatis triangulatisve terminali maximo ovato obtuso basi subcordato glabris et acute lobato-dentatis folis intermediis runcinatis lris medio angustatis basi dilatato - amplexicaulis superius e basi hirsuta et rotundatis cordatis - amplexicaulis ovatis vel oblongo-lanceolatis acuminatis nervis et basi linearibus setosis capitulis pedunculis longis erectis nudis suffultis calyculi squamis 5—6 ovatis aculis albo marginatis adpressis involucri quidiuplo brevioribus involucri phyllis subbisenatis aequilongis sub anthesi linearibus glabris pallidis, apice obtusis lobatis fructiferis dorso valde spongioso-incrassatis albis ligulis intense flavis concoloribus involucri sesquialongis — Crescit in umbrosis Palaestinae, in Cimel, monte Ithabur provincia Samaria

LXXVI (3017.) HICRORHYNCHUS Lessing

(DC Prodi VII 180 - Wlprs Repeit II 993 Annil I 463)

- 1 M (RIABDOTHECA) BRUNNENI B Webb in Hook Niger Flora 147 adn - Fruticulosa ramulosa glabris horizontalibus, folis natis oblongo - linearibus hirsutisque elongatis integerrimis inflorescentia corymbosa pedicellatis squamis ovatis capituli* subuliginosis squamatis involucri glabris foliolis extensibus lanceolatis, angustis SCISSIS achenis tetragonis elongatis apice baud attenuatis angulis subacutis* tenuis interioribus* derive squamulosis — Crescit in insula Sor et palude Linnut Africa tropica occidentali
- 2 M FALCATA Jaubert Spach Illustrat plant orient vol II nb 276 — Planta perennis glaucescens glaberrima plurius formis quibusdam *Sonchi divaricata* Desf similium Radix caules 5—10 poll longi junciformes graciles subangulatis striatis diffusis vel ascendentes monophylli vel apylli (foliorum loco oempe *equa-*

- Bracteolae minimae subscariosae, antebodn squamulis eximie consimiles \elsubsimilos, sparsae mine subimbricatim, mine minus minusve remotae Antheridium 4—4/5 lineis longum cylindricum vel (onico-cylindricum), flonibus subdimidio brevius* 8-ph\llum (radius 7- \el 9 - phyllum) foliola linear-oblonga*), nunc obsolete flabellatae exlucens micis dimidio Uiora Calyculi squamulati 11 — 13 albido-scaris (cum flos media bobacci vindi), nunc flabellatae, crenatae cordato-ovatae vel cordato-deltoidae mediae ovalis vel ovato-oblongae, basi leviter coidatae, intimae antiodio semel breviter oblongae, basi obsolete coidatae Flores demum subaequilongae Corollae 4—5 lineis longae c\ sicco flavae lubu9 nunc, limbo subdimidio brevior, ligula lineari, secus basin sensim paululum angustata, apice truncata dentibus obliquis callosis Stamina generis Pappus achacmo miuro subnullo longior Achaenia binervi vel nigris-cinereis papillo&o-muculata — *Myciophynchus muhcaus* DC Prodr VII 180 (ex p) — **Habitat** in Arabia peiraea — (Cf p. 979 no 5)
- 4 M GLOMERATUS Jaub a Spucl, III pi onclil III 105 f lib 275 — *Lomatolium*? *glomciuta* Cassini — DC Prodr VII 180

t Icones addendae.

- M GLAUCUM Wght — (Wiprs Annal I 463 no 1) — Wght Spied Neigherr I tab 118
M JUDICATA Less al a — DC I c no 1 — Jaub a Spach. Illustr pi oncl III 105 tab 78
M &AKMINTOSUS DV Prodr VI 481 no 4 — Wght Illust of Ind bot 11 tab 133

LXXIV (3016.) LIOMVROLIOPSIS Cass.

Omnino deleatur, nam

LOMATOLLIS GLOMERATA Cass = MICRORHYMUS GLOMERATUS Jaub a Sp

LXVII (3002/.) ZOLLIKOFFERIA DC.

(DC Prodr VII 183 — Wiprs Repeit VI 359)

- 1 7 TENULOBA Boiss Diagnos plant orient no\ XI p. 50 f — Annu glabra glaucescens, caulibus a basi dichotome divaricatis lamosis foliis radicalibus elongatis imbricatis pinnatifidis, rachide lineari denticulata, lacinis longis lineari-setatis integris albo-mucronatis, caulibus superioribus triangularibus aculeis denatis, basi aunculis aunculis minutis obusis deniculis flsibusque capulis longiuscule pedunculatis laxe compositis, involucri glaberrimi pallide lividulis adpressiuscule imbricatis, infimis ovatis albo-acuminatis interioribus lanceolatis ligulis latis, subtus induratis involucri breviter imbricatis acheniis lineari-subquadragulis tenuissimis multiseriatis exterioribus minus puberulis, interioribus glabris laevibus, pappo echinatum compositum — Crescit in Arabia petraea Pilaeinae conicrmina cl in Ljcia lilloi ill propc Tyi

LXXVIII (3003) SONCHUS cass

(DC Prodr VII 184 — Wiprs Reperit II 690 VI 359. Annal I 464)

1. S. ELONGATUS Knze mss ex Schlicht Ind sem hort Halens 1849 coll p 7 f — Ul ab amicissimo auctore edoctus sura, ab ipso ad upas fluminis Var proj^ Nicaeam collectus est et basi foliorum elongate, corollis pallidis apice rubentibus lividisve tantopere recedero

- videbatur, ut proprio nomine designare et in hortum Lipsiensem introducere, sed in tunc species rursus definitas nondum collocare statueret. Primum anno 1844 ex horto Mirburgensi acceperunt colium et Waltherus *S. oleraceivar* y *laceium* habuit, sed si autem foliorum forma et corollarum colore paulo diversum. Praeterea anno sequenti ex horto Lipsiensi cullam plantam eandem praebuerunt, colore autem corollarum intenso luteo [ingentem copiam *Sonchoium* indigenarum perstruanti diversissimae occurrerunt foliorum formae, sed lassime status ille corollarum pallidior, nee conjunctus cum foliis dissectis (Schlecht)]
- 2 *S. CARSDOLLEAM* Te Jaub et Spach, *Plantae orientales* III 110 f. tab. 279. — Radice perenni repente, demum mullicipite folium vane dissectis, achacnus pappo seminibus plusve brevibus ($1\frac{1}{2}$ —2 lin longis) extensoribus cinereis vel nigris papilloso-elutinis interonibus laevigatis vel obsolete sparseque papillosis, pallide binerviis vel siamucibus, costis estuatis vel obsolete sinuatis cernatis pappo persistente plurinerviis innumis setis, setis pinnatis plerisque tenet rime capillaceis flexilibus, minimis conspicue robustioribus* et longioribus rectis omnibus basi in anulum concretae — *Zulltkofeiia chondilloides* DC Prodr VII 183 (ex p) — *Z. mucronata* Boiss (ex p) — *Wlpr Repert* VI 359 no 1 — *Z. Arabica* Boiss — *Wlpr Repert* VI 359 no 2 (ex p) — Habitat in Arabia
- 3 *S. CASSIMANUS* Jaub et Spach J cit ub. 280 — Radice perenni descendente, demum lignescens folium vane dissectis, achaemis pappo subsemel brevibus (1—1 $\frac{1}{2}$ lin longis), extensoribus cinereis vel nigricantibus papilloso-velutinis, interonibus laevigatis vel obsolete sparseque papillosis vel superficialiter transverse rugulosis, costis cernatis vel obsolete striatis pappo caducissimo paucinerviis 20—30-setis, setis plerisque stictis — Eadem synonyma ac praecedentis speciei ex parte haec pertinent — Habitat in Aegypto
- 4 *S. LACTUCOIDES* C. H. Schultz (Bip) mss ex A. Rich Tent II Abjss I 467 — Caulis basi suffrutescens erecto ramoso bipedali laminae gracilibus glabris, folium lanceolato-linearibus acutis longissimis, margine distanter et obsolete denticulatis capitulis cretibus parce numerosis, ima basi tomentosis involucri squamis subimbricatis, externis lanceolatis brevibus laxiusculis subacutis, internodiis oblongo-linearibus obtusis glabris achaemis compressis stictis, vix scrobiculatis, pappi albi subsessilis setis gracilibus mollibus vix denticulatis pedunculis glabris antipilosis - setosis — In Abyssinia
- 5 *S. NUDICAULIS* C. H. Schultz (Dip) in B. Webb, Phytogi Cinar II 427 — *Microhynchus nudicaulis* Less — DC Prodr VII 180 no 1 — Sectionem propriam capitulis post achaemorum maturitatem nutantibus insignem, *Pinocephalum* dictam exhibet
- * *S. (Dendisonchus) PLATYLEPIS* B. Webb 1 c 433 f. tab. 131 — Fruticulosus glaber caule foliato corymboso folium lanceolatis omnibus apice acuminatis pinnatifidis, pinnis lanceolato-linearibus subulatis, margine hinc hinc, caulibus cordato-auculatis auriculis rotundato-angulatis involucri squamis generis latissimis, extensoribus hemisphaericis - triangularibus oblongis achaemis alutaceis glabris oblongis, pappo persistente. — In Cnna meridionali habitat
- 7 *S. BRACITLOBUS* B. Webb I c 438 f. — Fruticulosus glaber folium pinnatifido-linearibus, margine denticulatis, sinibus integerrimis, lobo terminali magno deltoideo, lateralibus paucis 1—3 rotundatis - angulatis (1¹), petiolo alato, costa crassa percursa, basi non protracto, ramis ovatis cordatis involucri imbricatis squamis adpressis flonibus apice densibus elongato-linearibus munitis achaemis oblongis stictis glabris pappo subsistente niveo, sens majoribus denticulatis, minoribus subinerviis — *S. laevigatus* p. *lyatii* DC 1 c 188'
- 8 *S. (Lactucosonchu*) WEBBII* C. H. Schultz (Bip) 1 c 444 f. tab. 136 — Herbaceus glaber allissimus caule tereti fistuloso sursum folium pinnatifido-linearibus folium multiflorum sepalibus siliquis lineariibus, tapetibus pedicellis* U— 14-floris,

involucro cvhndrnceo subimbncato flonbus flavis , achaemis glabrescentibus tnsulcalis brunneis, pappo mveo dcntitulato — In insula Pilma

- 9 § (*Lusonchub*) BOURGEOUI C II Schultz (Bip.) I c 446 + tab 136 B — Annuus caule dichotome ramoso folialo gbro cum folus confetis runcinnlo - pinnatifldis dentato - spmulois, costa foln acute prominente in caule ala acuta pellucida (s>imili modo ut in *S pahistn*) decurrente involucio bdsi tomentoso campanulas, cum petioli pane siipeuore julis glandulifens dense obsito llonbus aureo - aurantiacis speciosi* inxolucrum dimidia part* supcrantibus achaemis compressis robustis obovatis, inferne altenualis biunneis transverse valde luguloso-granulatis, pappo mveo persistente plunsenali — In nis>ulis Cananensibus

t leones addendae.

- S ABBREMATUS Lnk — (*S. Jacquim* § DC I c 188) — B. Webb I c 430 + tab 134
 S ACIDUS Schousb — DC 1 c 188 — B Webb 1 c 434 f tab 134 B
 S ARBORELS DC 1 c 189 — B Webb 1 c 443 + tab 126
 S CONGLSTUS Willd — (6 *Jacquim* var DC 1 c 183 J — B Webb 1 c 431 f lab 133
 S GUMMIFIR Lm — DC I c 188 — B Webb I c 437 f tab 129
 S TA(QUM IK 1 c 168 — B Webb 1 c 428 f tab 132
 S LEPTOGCPHALUS L ill — DC 1 c 189 — B. Webb I. c 442 f tab 12T
 S PhNNATUS Ait — DC 1 c 188 — B WeJb I c 438 f tab 130
 S RADIATUb Ait — DC. 1 c 188 — B Webb 1 c 436 f tab 128
 S SPLINOSUS DC. 1 c 189 — B Webb 1 c. 427 f tab 125

LXXX ifcAIiACOTHRIX DC.

(Wlprs. Reprt II. 690)

- 1 M OBTUSA Bnth Plant Hirtw 321 no 1818 — Annu erecta ramosa folus radicalibus runcmato - pinnatifldis lobis sinualo - dentatis, obtusis mulias. caulims paucis hoeanbus runcinatis vcl summis iniegus, jumonbus supra lanatis, demum glabratis, capitulis numeiosis paivis — SimiHs *M sonchotdi*. scd ramosior elatior, foliorum lobi nunquam spinulosi, lana mvea superfliem (oliorum novellorum fere obtegit, in folus adullis vtl omnirio dceat vel hinc inde fasciculatim conspersa persistit. Flores albidi vcl pallide flavi - Crescit in amne exsiccalo nvulorum in montibus Galiformae Sacramento
- 2 M PARMFLORA Bnth 1 cit no 1819 — Annu erecta ramosa glabra folus radicalibus runcmato - pinnatifldis angulato - derttatis (mulicis[^]), cduiims parvis sub in teens , capitulis numerosis parvis; achaemis brevitei obovoideo - oblongis — Valde affinis *M sonchouh*, sed folia non spmulois et capnula mullo mmora Involucn squamae intenoies 2 lm longae Achaenia dimidio mmora us *M sonc/ioidts*, obscure tetragonn. leviter obcompressa et subincurva , tenuit^r costata, margine tenui coronata , pappo mveo caduco Flores in sicco lutei — Crescit m Californiae sylvis prope Santa Cruz.
- 3 M CAULTERI JIaiv tic Gra> Plant Fendler 113 adnot. — Glabernma glaucescens, caule supeine ramo[^]o , folus lanceolatis oblongisve, inferne dentatis seu pinnatifldis, basi aunculata amplexicaulibus rameahbus cordato - amplexicaulibus acuminatis feie integeinmis, cnpitulis (majnis; sub'corjmbosis breviter pedunculatis, uquanus njo-lucn subglobosi muliillon plunsenatim imbncatis oninmo. nisi costa vindi. scanosis late ovalibufi obtusissimis, *wtimis* lanceolatis acutis. — Ciescit in Califoinia

LXXXIII (3005.) PREIVAHTTHES *Vaill.*

(DC. Prodr. VII. 194. — Wlprs. Report. II. 691.)

1. PR. CERVICORNIS Boiss. Voy. bot. App. p. 744. f — Perennis glaber caespitosus: caudiculis lignosis brevissimis; foliis omnibus ad caudiculis apicem sitis lanceolatis runcinalis, dentibus aculis calloso - cuspidatis, in petiolum basi subdilatatum attenuatis; caulibus folia vix superanlibus furcatis intricatis rigidis, pedicellis omnibus praeter infimos aboriivis, in spinas breves induratis, fertilibus squamulosis capitulo brevioribus; capitulis paucifloris cylindricis; involucri glaberrimi squamis inferne dense obtuse carinatis, sub apice dorso appendice parva corniformi plana sphacelata auctis; calyculi squamis adpressis conformibus sed suburiplo brevioribus: flosculis luteis involucrum vix superanlibus; achaenijs cylindricis subteretibus tenuiter striatis laevibus, pappo persistenti niveo eis paulo longiori terminalis. — *Lactuca spinosa* Gambess. Balear. 90. (nec alior.) — In rupibus manu'mis insularum Balearium.
2. PR. PENDULA C. H. Schultz (Bip.) in B. Webb. Phytogr. Canariens. II. 421. + tab. 124. — *Achaenia glabra* quinquiesulcata, pappus achaenio brevior; capitula erecta /lores flavi; suffrutex glaber: foliis longe petiolatis pinnatifidis, lobis integerrimis triangularibus acuminatis; corymbo myriocephalo. — Sectionem generis propriam, *Ghry-soprenanthes* dictam exhibet. — *Sonchus (Picrosonchua) pendulus* B. Webb mss. — In Ganaria insula.

LXXXVI HIRACIUM *Linn.*

(Dr. ELIAS FRIES, Symbolae ad historian! Hieraciorum. — Ex N. Actis Reg. Soc. Scient. Upsal. XIII. XIV. — [Upsaliae, excudebant Lefler et Sebell. 1848. 4to. pp. XXXIV. & 220J.] — Flora [B. Z.] XXXII. p. 644. sq. sq. — DC. Prodr. VII. 198. — Wlprs. Report. II. 699. VI. 362. Annal. I. 465. et 998.)

Involucrum multiflorum, squamis nunc in seriem contiguam, nunc interruptam spiraliter dispositis imbricatum. Receptaculum nudum, sed ^verobiculatum, fimbriatum. Ligulae apice 5-dentatae, circa faucem pilosae. *Achaenia* columnaria decemcostata, apice truncata, nec in rostrum attenuata. Pappus sessilis albidus vel rufescens, pilis subuniseriis simplicibus rigidis subfragilibus scabris, haud basi dilatatis. — *f* Herbae perennes magis minusve lactescentes: foliis sparsim indivisis antrorsum dentatis, vix umquam lyratis, rupeinatis vel uncinato-dentatis, indumento duplici, altero piloso, altero stellato-occoso. (E. Fries 1. c. p. V.)

Series 1. *PILOSELLA* E. Fries 1. c. p. 1.**)

Innovalio per stolones, nunc emersos, nunc subterraneos. involucri squamae irregulariter imbricatae. Ligulae apice glabrae. *Achaemia*

^

*) Dissertationem hanc integram in Annales recepi, omnibus solis synonymis antiquioribus specierumque singularum descriptionibus, cum bibliopolarum eorum non veniunt parent. Caeterum monco, species a me jam in Annaliū tomo primo enumeratae huiusmodi auctore solum praetermissas esse.

**) Species ipso cl. FRIESIO dubiae signo f anteposito noiantur.

mimima stnala, apice Iruncata, pappi unisenalis ladus acqualibus tcnuis-simis. — Acliaeniis minimis ceitissime dignoscuntui.

A Stirps *Pilosellae* E Fries 1 c.

Stolonos ladicantes, accidentaher tanlum dcfiuunt Folia sclosa, sublus magis mlnus^e stllato-flossosa Scapi nudi vel inonophylli In\oluui squamae mtenoies spirals, Introrsum decrescentcs magis magisque acutae

Pxlosellata, ilazomatt subcmer&o, lujidis mnginalibus subtus iubio-viUatu>, scd vananl concoloi es

- 1 H PILOSELLA Linn — Flor. Dan tab 1110 — Bull Franc tali 279 — Curl. Londiii IV tab 51 — Engl. bot tab 1093 — Svensk bot tab 438 — E Fnes 1 cit pag 2 i — Rlii7omate repente siolornfero, folus oblongis Janceolatisve, utnnquo setosis, sub-tus pube siclhla dcnsa candicantibus scapo pnmario aphjlllo stucto simplici nftnoce-]halo involucro basi ovato dclorato comco-venlncoso, squamis pallide marginalia, extenoubus obtusis ligulis radiantibus subtus subviltalis — *Auucula muns* Biunfels — *Pilosdla* Matljiol — *P major* Fuchs, *P tepens* Gei — *P major rep ens htrsula* C Daub — *P vulgais icpens minoi* Moris — *P offictnamm* Vaill

a. *vnescens* foil is lationbus virenlibus, floccis rarionbus, subtus vix inconis, sea-pis saepe divisio ligulis subtus concolonbus — Gaud Helv V p 74 — *P folio minus villosa* Tourncf — // *flagellare* Hort Botanic — // *Pilosella* vel *pilosulum* Frol.

(§ *nigiscens* stolombus scapoque elopgatis, capitulis majonbus, pilis glandulife-ris dcnsissimii* nigncanlibus li^ulis subtus concolonbus stolones saepe ascendentes flonfen Folia subtus fere vndia — 'Idem gracillimum, involucro subgloboso, P^{ljs} mollioiibus villosissimo — *H Pseudo - Pilosella* Tenor Hort Neapol App t 69 — // *Tenoieanium* Frdl

Y *grandifloium* stolombus crassis abbreviatis, enpitulis majonbus eglnduloso-pilosis, squamis extenonbus latis obtusis — *Pilosella majoi, repens, magno floie* Cup H (ant p 167 tab 345 — *P monanthos Sicula* Raji Hist — *P magno flore* Vaill — *H Pilosella* var *giandifloia* DeC — // *macianthum* Tenore, FI Neap V 190 tab 184 — * Idem, in alpbis altionbus elatius, squamis lalius albo-mirginatis sublxaxis — // *pilosellaefoi me* Hopp — *H Hoppeanium* Schult.

5 *pilotisnum* stolombus crassis bre\ibus cum scapo folusque bispidissimis • involucro (magno) sens densis eglandulosis villosissimo, squamis lanceolatis conforms bus (Siccinie imxime lerruginescit) — *P montana pilosissima* Vaill — // *PiloseU** P Poll — // *Pclelenanum* Mer FI Pans 305 — * Idem, humihus, folus hnean-laⁿⁱ ceolatis, capitulis pusillis (sequenlis), squamis sublxaxis

C ? *velutinum* stolombus elongate folus lanceolotis aculis, ulnnque pube densa stellaia lacvigata lepiilolo-incanis vulgo depilaus capitulis minonbus — // *radxec reptatnee floio luleo, fons purpurco, minus Grul* — *H Pilosella* p. *mcana* DC — & • *Minimum* Hegetschw — * Idem, stolomnorum folii* ulnnque setosis — // *castelly num* BoiSb — Habitat per omnem Europam, arctica e^cepta

- 2 II STOLOMFLORUM W & Kit PI Hungar 303 tab 273 — E Fnes 1 c I t '' Rhizomate repente stolonifero, foliū obo\atis oblusis, ulnnque setosis, intense vindi* bus, subtus floccis cams i ai is adspcis, scopo pnmario submonophyllo raccmoso-co-rjmboso obgocepbdlo, saepe lamo arcuito a«ccendentc aucto, capitulis erectis vonincO'' sis, basi truncalis, defloiatls depressis, squamis concolonbus aculis ligulis radianlib^{us} subtus subviuatis — *Is ova Pilosellae species m campis austnaxis lecta* Burs — ^'^/ s^{dla} majoi iepcns minus husuta Moris — *P offiunalis, fohib oblongis* Ponted — //

ilubium Hads. — Engl. Bot. tab. 2332. — *II. bifurcum* Frösl. — *II. collind-PUosella-* Frles.

p. *collinum*: Cōm's oblongis spathulnlis pallide viridibus; scapo elongato graciliori subdiccephalo; pedunculis longissimis; capitulis vulgo minoribus; ligulis subconcoloribus. — *II. collinum* Dess. — *If. flugrUarc* Willd. — *II. peduncularc* Wallr. — *II. furcillum* Blytt.

y. *pullatum*: foliis lanceolatis; scapo submonocephalo; capitulo amplo dpresso nigro-villoso. — Habitat in partibus Europae orientalis et borealis.

3. **II. AURICULAEFORME** E. Fries 1. cit. pag. 7. f — Rhizomate repente stolonifero; foliis lanceolatis acutis viridibus, supra glabris setosisve, subtus floccis tenuibus leviter canescentibus; scapo primario subnudo corymboso-racemoso furcato oligocephalo; involucrio cylindrico seluloso, deflorato anguste canico, squamis exterioribus obtusis, interioribus acutis; ligulis radii subvittatis. — *U. Mosella bi-triflora* Liljeb. — *II. Auricula* Vill. — *II. Auricula - Pilosella s. auriculacforme* Fries. — " Formae flagellares et stoloniflorae, scapis furcatis, ligulis subconcoloribus.

(*S. denigralum*: capitulis e setulis densis glanduliferis nigricantibus. — Habitat in Europa boreali solo sterili glareoso.

4. **H. SPIAEROCEPHALUM** Frösl. — E. Fries 1. cit. pag. 8. f — Rhizomate repente substolonifero; foliis oblongis lanceolatisve obtusiusculis viridibus, utrinque setis raris subiusque floccis paucis canis adpersis; scapo monophyllo 1—5-cepballo subcorymboso furcato; involucrio globoso villosotomonioso, squamis acutis; ligulis radii subvittatis. — *H. foliis pilosis ovalibus, caule brachiato paucifloro* Hall. — *II. hybridum* Chaix. — *II. Auricula* var. *alpina* Vill. — *II. dubium* Hopp. — *II. angustifolium* Hoppe. — *II. uniflorum* et *II. pusillum* Hoppe, formae monocephalae; *II. furcalum* Hopp. — *Stoloniferum*. — *II. stoloniferum* Desf.

p. *alpicola*: scapo foliisque hirsutissimis; involucrio nigro-villosissimo. — *H. alpicola* Schleich. — Habitat in summis alpinis Europae mediae seu centralibus, var. *alpicola* e Vallesia.

* *Rhizomate demerso, parum repente; ligulis subconcoloribus.*

5. **H. BIFURCUM** M. Bieb. — E. Fries 1. cit. pag. 9. f — Rhizomate repente stolonifero; foliis elongato-lanceolatis acutis viridibus, supra hispidis, subtus cano-floccosis; scapo elato monophyllo, setis horizontalibus basi nigris hispido, apice arrecto fusco fastigiato; involucrio ovatis siccitate nigricantibus, squamis obtusiusculis; ligulis subconcoloribus. — ? *II. foliis longis angustis tribus vel quatuor in summo floribus* Raji Syll. ext. — *II. floribundum* var. *furcalum* Wimm. — Habitat in Europa media (Silesia), Tauria et in Caucaso.

6. **H. CERNUUM** E. Fries 1. cit. pag. 10. f — Rhizomate repente stolonifero; foliis lanceolatis gramineo-viridibus ciliatis subsetosis, subtus floccosis denudatisve; scapo monophyllo, pilis elongatis albis hirsuto, in ramos elongatos submonocephalos diviso; capitulis globosis hispidis-hirsutis viridibus, virgineis cernuis; squamis acuminatis; ligulis subconcoloribus. — *II. spurium* Chair. — *II. sphaerocephalum* Blytt.

OL' caulescens: scapo caescente, ex alis inferioribus ramos horizontales (stolones apice floriferos, basi foliatis) exserente; foliis angustioribus pallidioribus, subtus cano-floccosis.

p. *spurium*: scapo paucifolio diviso, ramis tricephalis pedunculisque hirsutissimis. — *H. hybridum* Frösl. — Habitat in parte alpina in Norvegia, Pyrenaeis.

7. **H. BRACHIATUM** Bertol. — E. Fries 1. cit. pag. 11.8c 199. j — Rhizomate repente stolonifero; foliis lanceolatis subacutis denticulatis glaucescentibus, subtus floccis raris canescentibus; scapo centrali aphylo fusco; pedunculis elongatis aereis siccatis; in-

volucris ovatis, defloratis conicis floccoso-canis, pilis brevissimis glandulosis, squamis omnibus acutis pallide marginatis; ligulis concoloribus. — *Pilosella minor, microcaulos, non umbellifera* Triumf. — *H. Piloselloides Florentinum binis lernisve floribus* Michel. — *H. Pilosella* var. Pollich. — *H. hybridum* Gaud. — *H. bifurcum* Tenore. — *U. floribundum pedunculare* Wimm. — *H. cymoso-pilosella* Fr. Nov. — *H. fallacinum* F. W. Schulz.

p. *auriculaefolium*: foliis oblongis obtusis; scapo apice bifurcato; pedunculis brevibus fastigiatis.

y. *hirsuissimum*: foliis rigidioribus lineari-lanceolatis scapoque subdiphylo strigoso-hispidis. — *H. flagellare* Rochel. — *H. obscurum* Lang.

8. *corymbosum*: scapo foliis 2—3 minutis veslito; foliis lanceolato-obovatis, subtus nudiusculis; anihela polycephala densa corymbosa. — Habitat locis campestribus in Europa australiore.

& H. GLACIALE Lach. — E. Fries 1. cit. pag. 12. f — Rhizomate repente raro stolonifero; foliis spathulatis angustave lanceolatis magis minusve setosis, subius pube stellata canescentibus denudatisve; scapo unifolio paucifloro, apice simpliciter corymboso; capulis ovalis congestis subsessilibus hirsutis; squamis acutis; ligulis concoloribus. — *H. minus, Pilosellae folio, subius lanuginoso* Boccon. — *H. breviscapum* Gaud.

(J. *angustifolium*: foliis lineari-lanceolatis acutis, subtus denudatis Inele viridibus. — *H. Auricula* Engl. Bot. tab. 2368. (sed in Anglia crescere nequit.) — *H. angustifolium* Hoppe. — Yill. Voy! 59. tab. 3. fig. 4. — Habitat in alpebus Europae centralis.

B. Stirps *H. Auriculae* E. Fries 1. c. 13.

Rhizoma repens stoloniferum. Scapus apice corymbosus, at intercurrent omnium individua furcata. Squamae involucri interiores verticillatae aequales oblusae. Folia glauca vel laete viridia, magis minusve obtusa, non vel obsolete cano-floccosa.

Glaucescens.

9. H. AURICULA Linn. — Flor. Danic. lab. 1111. — E. Fries 1, cit. pag. 14. + — Rhizomate repente stolonifero; foliis lingulatis obtusis glaucis, utrinque nudis, versus basin ciliatis; scapo subunifolio apice cymoso, pedunculis simplicibus arcuato-adscendentibus, furcatove; squamis obtusis pallidis: stylo luleo glabro. — *Lactucella sylvestris repens* Camer. — *Hilosella major* H. Tabernaem. — *P. major, folio angustiori minus piloso, repens* I. Bauh. — *H. Piloselloides, vulgare* Vaill. — *H. dubium* Leers. — *H. glaucescens* Bess. — *H. Lactucella* Wallr.

p. *caulescens*: scapo suberecto eiatore iriphylo. — *Pil. glabra, angustifolia, erecla* Brbm. — *H. glaucescens* Hort. — Habitat in Germania, Sibiria, Scandinavia et in terris Taurocaucasicis.

10. H. SUECICUM E. Fries 1. cit. pag. 16. f - Rhizomate repente stolonifero; foliis obovatis planis obtusis glaucis. utrinque nudis et glabris; scapo submonophyllo; corymbo composito fastigiato, ramis patentibus polycephalis; involucri subnudis ovatis; stylo fasciculato. — *H. foliis integris oblongis, stolonibus repenlibus, scapo nullifloro* Linn. — *H. dubium* Linn. — *H. Auricula majus* Wahl. — *U. collinum* Bohm. — Habitat in Suecia media.

11. H. FLORIBUNDUM Wimm. et Grab. - E. Fries 1. cit. pag. 17. — Rhizomate repente substolonifero; foliis lanceolatis spathulatisque viridi-glaucenlibus, margine carinaque vel utrinque setosis, subtus rare flocculoso-stellatis, primariis obtusis; scapo monophyllo oligocephalo corymboso furcatove, sursum pedunculisque glanduliferis cum io-

volucro ovato-globoso nigricante nigro-hispidis; squamis obtusis concoloribus; stylo luteo. — *Pilos. repens minor*, caule erecto pedali polyantho, foliis angustis oblongis Raji Hist. — *H. Pilosae folio erectum majus* Zairchell. — fl. *Auricula alpina* Bot. Scand. — var. *virescens* Lindbl. — *H. collinum* Bot. Norveg. — *H. melachaetum* Tausch.

(i. *scabrum*: scapo ascendente gracili absque stolonibus foliis lanceolatis linearibusve, subtus dense floccosis; capitulis tribus subsessilibus. — (Volde refert *H. angustifolium*, videtur forma flagellaris.) — *B. auricula* var. *scabrum* Lindbl.

Y* *melachaetum*: intense glaucum majus; corymbo subcymoso; involucris hirsutissimis. — Habitat locis graminosis alpinis Europae mediae et in Norvegia.

12. *H. FUSCUM* Vill. Voy. 19. tab. 1. fig. 2. — E. Fries 1. cit. pag. 18. f — Rhizomate repente substolonifero; foliis spathulato-lanceolatis dentatis obtusis glaucis pallide virentibus, utrinque pilosis. scapulo diminuto lineari; scapo piloso; corymbo denso oligocephalo subsimplici; ligulis luteo-fucellis vel croceis, subtus aurantiacis. — *H. fuscum* Vill. — Habitat per Alpes Europae rarissimum.

* * *Viridia*, scapo saepe foliato.

13. *H. MACROTRICHUM* Boiss. — Wlprs. Repert. VI. 362: no. 1. — E. Fries 1. cit. pag. 19. t — Viridi-pallens, seculis longissimis gracilibus strictis crinitum: rhizomate repente; scapo basi foliato, apice laxo corymboso furcato; foliis imis oblongis obtusis, caulibus lanceolatis acutis, subtus parce stellato-floccosis; involucris lobosis cano-floccosis siccisque nitidioribus; squamis obtusis; ligulis styloque luteis — Habitat in serralibus Lydiae, ad occasum Smyrnae.

14. *H. PRATENSE* Tausch. — E. Fries 1. cit. p. 19. f — Rhizomate repente stolonifero; foliis oblongis obovatisque obtusis viridibus, margine carinae vel undique hispida, subtus pube stellata destituta; scapo subunifolio setoso-piloso: corymbo composito polycephalo erecto; involucris ovato-oblongis nigricantibus, squamis obtusis; ligulis styloque luteis, — * *H. hirsutum*, fere *umbellatum* IX. Clus. — *H. aurantiaci* subsp. Raji. — *H. stoloniferum lalifolium* Gilib. — *H. auricula* Leers. — *B. cymosum* Willd. — *H. Beiserianum* Spreng. — *H. collinum* Goebn. (ex p.) — *B. dubium* Hartm. — if. *caespitosum* Dumort.

P. *sylvicum*: scapo basi folioso; foliis oblongo-lanceolatis gramineo-viridibus. utrinque pilis brevissimis pubescentibus. — *H. auricula* ? *sylvicola* Besser.

Y- *minus*: junilum vulgo, foliis obovatis glaucis; scapo subnudo; involucris glanduloso-pilosis. — *B. Pseudo-auricula* Tausch. — Habitat in Europa temperata orientali, Sibiria, Bucharia, Persia.

- IS* *H. DECOLORANS* E. Fries 1. cit. p. 21. t — Rhizomate repente substolonifero; foliis obovatis oblongisve obtusis dentatis subnitidis gramineo-viridibus, utrinque hirtis, pube stellata destituta. scapulo semiamplexicauli; scapo monophyllo absque floods setoso-hispidis, apice oocorymboso; pedunculis involucrisque cano-hispidis glanduliferisque; squamis pallide marginatis; stylo luteo-fuscescente. — *B. foliis ovatis, caule paene aphylo, floribus purpureis* (non, sed croceis e descr.) *umbellatum* Gmel. — *B. aurantiacum* Fl. Ross.

P. *caulescens*: scapo inferne folioso; foliis lanceolata; capitulis conglomeratis. — Habitat in Rossia. Norvegia fit Sibiria subarctica.

16. *H. AURANTIACUM* Linn. — Fl. Danic. tab. 1112. — Engl. bot. tab. 1469. — Jcq. Fl. Austr. tab. 410. — E. Fries 1. cit. pag. 23. f — Rhizomate repente substolonifero; foliis obovatis lanceolatisve subintegerrimis obtusis gramineo-viridibus subnudis, utrinque setoso-ovatis; scapo inferne folioso flocculoso, sursum setoso-piloso corymbifero furcato; involucris nigricantibus nigro-hispidis. squamis obtusis; stylo siccitate fuliginoso. — *B. alpinum non laciniatum flore fusco* Bauh. — *B. Germanicum* L. Golum. H.

— *Pit. polychmos reports major etc. Moris* — *H. alpinum hirsutum, flare minore alro-purpurascens Scheuchz.* — "*Piloselloides latifolium, floribus saturate croceis Vaill.* —

(*J. bicolor*: ligulis inferioribus lucis, radiantibus aurantiis vel sublus vittatis. —

Y. luteum: ligulis omnibus laevis. — *H. aurantiacum Allion.* — *H. aurantiacum flavum Gaud.* — Habitat in montibus subalpinis totius Europae mediae.

C. *Slirps // praealti* E. Fries 1. c. 24.

Rhizoma ab initio in radicem, a caule discreta. Stolones aut nulli, ant sarmentosi, saepe ascendentes, vulgo floriferi, at in rhizoma procurrentes non ab initio, sed vel inarcescunt vel apice radicanet et discretas ehiunt plantas. Squamae interiores obtusae aequales. Folia saepe glaucescentia, primordialis exceptis acuta, indumento valde varia. Cymosis praecocius florent.

* *Glauc.*

1. *H. FLORENTINUM* Allion. — E. Fries 1. c. p. 25. f. — *Glaucum cflagellare. setis rigidis hispidum glabrumve: foliis primariis obtusis, reliquis lineari-lanceolatis. pubescentia desiliis; caule gracili subnudo in corymbum laxo paniculatum raro; pedunculis elongatis arcuato-ascendentibus; involucris cylindricis gracilibus nudis; squamis obtusis carina subglanduloso-pilosis.* — *Pilos. erecta angustifolia, floribus parvis in summis caulibus Ray.* — *H. Piloselloides, Stalices folio, floribus numerosis minimis Vaill.* — *// caule nudo brachiale etc. Hall.* — *H. Piloselloides Yill. Delphin. III. 100. t. 27. - Rchb. Ic. fig. 80. 81.*

(*p. armeriaefolium*: humile ramosissimum, ramis gracilibus paniculam laxe laxam constituentibus. — *// maritimum umbellatum, angustifolium, glabrum etc. Mich.* — *// armeriaefolium Rchb.*

Y ? aculifolium*: simplex, corymbo subtriceps, capitulo centrali majore. — *// aculifolium Vill. Voy. 59. tab. 3.* — Habitat in Gallia australi, Italia, Vallisia, Garniola.

18. *H. PRAEALTUM* Wimm. & Grab. — E. Fries 1. c. pag. 26. f. 199. — *Glaucescens seloso-hispidum glabrumve, saepe Hagelliferum: caule simplici stricio 1-3-folio; foliis lineari-lanceolatis, sublus denudatis, primariis obtusis; corymbo denso cano-floccoso; pedunculis defloratis strictis; capitulis subnudis virentibus ovato-cylindricis; squamis obtusiusculis carina hispidis, margine pallidis.* — *Pilos. minor, folio angustiori minus piloso, repent Chabr.* — *P. repent major caule erecto, pbyanthos Mich.* — *H. piloselloides, Florentinum, vulgari simile Vaill.* — *// cymosum Leers.* — *H. Florentinum Spreng. Hal. t. 10. fig. 1.* — *// Auricula Willd.* — *// obscurum Rchb.* — *// Bauhini Bess.*

p. decipiens: foliis magis hispidis, subtus floccis raris adpersis, corymbo irregulari Koch. — *// fallax DC.* — *H. collinum Fröhl.* — *// Gochnati Spreng.*

Y» hispidissimum: minus, caule folisque strigoso-hispidissimis, capitulis exiguis hirtis. — *H. auriculoides Lang.* — *// asperum Tausch.* — *H. sarmentosum Fröhl.* — *// Gochnati Mey.*

- 8- depifalum: glaberrimum, foliis angustissimis in petiolum longum attenuatis. squamis glabris. — Habitat in pratis et collibus Europae mediae, in terris Caucasicis et adiacente Asia.

19. f H. STOLONIFERUM Bess. — E. Fries 1. c. 28. f — Rhizomate obliquo aubrepente flogellifero; scapo ascendeate subflexuoso unifolio cano-floccoso, apice cymoso Aircatove; foliis lineari-lanceolatis aculis ciliatis sparsimve hirtis glaucis, subtus floccosis, primariis lingulatis; pedunculis dcflorealis srlicis; involucris gracilibus cano-floccosis glanduloso-pilosis; squamis margine pallidis. — *H. glaucesca** Frd. — *II. radiocaula* Tausch. — *H. piloselloides* Ledbr. — *H. cymoso-auncula* Fr. — Habitat in campis et aggeribus apricis (rarius).
20. H. HYPERBOREUM E. Fries l.c. pag. 28. f — Glaucum, setis rigidis magis minusve hispidam, eflagelle: caule simplici hispido monophyllo foliisque lanceolatis subobtusis, pubescentibus desitatis; corymbo regulari denso fastigiato; pedunculis erecto-patentibus reclinatis involucrisque cylindricis nudis, margine pilis setosis hispidis, squamis unicoloribus. — *II. dubium* a. Sommerf. — *II. piloselloides* Harlm. — *H. praealtum* vel *piloselloides* Fr. — Habitat in Scandinavia arctica.

* * Viridi - canescentia.

21. H. COLLINUM Tausch (?) — E. Fries 1. c. pag. 29. f — Viride, (raro glaucescens): caule inferne paucifolio, apice cymoso-corymboso furcatove; foliis lanceolatis linearibusve acuminatis birsutis, subtus cano-hirtosis, infimis lingulatis obtusis; anthela discreta involucrisque e globoso ovplibus cano-floccosis glandulosoque hispida, squamis unicoloribus obtusis, siccitate nigricantibus. — *Pilot, major altera* s. Hl. Tabernaem. Kreut. I. p. 489. *strigosa*. — *Pil. major, erecta* Baub. — *H. dubium* Fl. Darrict. 1044. — *H. ambiguum* Ebrh. — *H. cymosum* var. *dubium* Fr. Nov.; // *macrocephalum* Lindbl. var. *conglomeratum* et *laxum* Mey. — W. *colhnum* Auct. — Var. *ungustifol.* Wallr. — if. *pratense* Lodeb.? — // *praealtum* var. *hirsutum* Koch.

p. *setosum*: foliis laete viridibus, subtus nudiusculis, setis * sparsis mollibus elongatis (capitula interdum quoque virent, nee nigricant). — *H. piloselloides* Wallr.

y. *strigosum*: caule magis foliato, cum foliis multiusculisque setis rigidis confertionibus setoso-hispidis. — *H. Zilianum* Tausch. — *H. fallax* Willd. — Habitat in Europa boreali.

22. H. SETIGERUM Rchb. — E. Fries 1. c. pag. 32. f — Pilis elongatis densis pubescentibus floccosa densa undique canum: caule folioso, apice cymigero furcatove; foliis anguste et elongato-lanceolatis (haud decrescentibus), omnibus acuminatis; anthela discreta involucrisque oblongo-cylindricis cano-floccosis albo-birsulissimis, squamis obtusis pallidis. — *Pilosella major umbellifera macrocaulos, montana* etc. Column. Ecpfr. — *J. montana hispida* Bauli. — *H. flexuosum* S. Gmel. — // *c. poliotrichum* Lindbl. — W. *cymosiforme* Fröhl.

P. caule ramoso-paniculato. — if. *murorum* var. Roih. — *H. Rothianum* Wallr. — if. *setigerum* Fröhl. — Habitat locis montosis asperis ab Italia per Germaniam ad Sueciam mediam usque.

23. H. EGHIOIDES Lumn. - Waldst. et Kit. PJ. Hungar. 87. tab. 85. - E. Fries 1. c. pag. 33. f - E. viridi lutescens, setis elongatis rigidis subappressis (fulventibus) hispidum: caule denso folioso foliisque lanceolatis pubescentibus stellatis adpersis, caulibus decrescentibus. Anthela contigua dense corymbosa paniculatave involucrisque albo-villosis (vetustate ferruginosis). Squamis obtusis, margine pallidis. - *IL Onenlale, foliis angustis pilosissimis* Tournef. - *H. pfoelloides Armenian, vulgari simile* Vaill. - if. *Uis longe Ungulate, pilosis* etc. Gmel. - *H. seligerum* Tausch. - Habitat per omnem Sibiriam temperatam. Asiam occidentalem et Europam orientalem et mediam.

24. H. OLYMPICUM Boiss. — Wlprs. Reperi. VI. 362. no. 2. — E. Fries 1. cit. pag. 35. f — Viride, pilis elongatis crinitum: caule elongato simplici folioso cano-floccoso; foliis

elongatis lanceolatis, pube stellata destitutis; thyrso oligocephalo basi folioso; petlunculis involucrisque (amp 1 is) cano-floccosis setosisque, squamis latis obtusissimis. — Habitat in vallibus regionis alpinae inferioris Olympi Bithyni infra Kirkbounar.

D.[^]Stirps // cymosi E. Fries 1. c. 35.

Rhizoma ab it in radicem a caule discretam, stolones nullos vel raro flagellares, nee repentes enitens. Folia radicalia ante caulina marcescunt. Inflorescentia eximie cymosa vel paniculata. Squamae involucri introrsum decrescentes, interiores acutae. Praecedentibus seriùs florent. Adscendunt e stirpe H. Pilosellae orientem versus in formas robustissimas, caule et anthela vere foliosis.

Glaucescencia.

25. H. PUMILUM Lapeyr. — E. Fries 1. cit. pag. 35. f — Glauco - canescens, setosum: caule simplici paucifolio subtricep[^]alo; foliis sessilibus lanceolatis obtusiusculis, subtus cano-floccosis; pedunculis subumbellatis simplicibus; involucris cano-floccosis pilosisque, fructiferis globosis, squamis acutis. — *Pilosella minima*, *Gnaphalii monlani foliis* etc. Pluken. — // *breviscopum* et *angustifolium* DC. — *H. Candollei* Monn.

(*J. longiscopum*: foliis radicalibus caule triplo brevioribus Monn. — *U. angustifolium* (J. Coderi) DC.

Y* *aurantium*: floribus aurantiacis Monn. — *Pilosella minima Lusitanica*, *flore medio purpurascente* Fagon. — *H. Vahlîi* Frö. — Habitat in montibus editioribus Hispaniae ft Pyrenaeorum.

26. H. PETRA&UM Friv. — E. Fries I. cit. 37. f — Viridi-pallens: caule submonophyllo flexuoso depilato oligocephalo; foliis lingulatis obtusis, supra setosis, subtus stellatopubescentibus; pedunculis alternis inaequalibus simplicibus; involucris globosis albotomentosis, squamis interioribus acuminatis. — Habitat in rupibus alpinis Rumeliae.

27. f H. FALL AX Rchb. Ic. tab. 39. fig. 82. (?) — E. Fries 1. c. 37. f — Glaucum: caule submonophyllo furcato-paniculato corymbosove; foliis lanceolatis glaucis setosis, subtus floods stellatis canescentibus; involucris e floccis densis pilisque tenuibus albis canescentibus (vetustate ferruginascentibus), squamis iniimis acutis. — *Pilosella erecta alia calyce incano flail*. — // *attenuatum* Tausch. — Habitat in pratis sylvaticis Saxoniae ft Blekingiae.

28. H. GLOMERATUM Fr61. — E. Fries 1. cit. pag. 38. f — Pallide viride subglaucescens, pilis brevissimis mollibus adpersum: caule sparsifolio cano-floccoso, apice cymoso corymbosove; foliis lineari-lanceolatis acutis cano-floccosis, radicalibus elongatis; pedunculis glomeratis cano-floccosis involucrisque ex ovata basi oblongis, defloratis conico-ventricosis, glanduloso-pilosis; squamis acutis. — *H. murorum*, *angustifolium non sinualum* C. Bauh. — // *s. Pilosella elalior non repens minus hirsuta, foliis longis et angustis ulrinque viridibus* Mich. — // *Piloselloides bupleurifolium* Vaill. — ff. *cymosum* Auctt. — // *Vaillantii* Tausch. — *H. Nesleri* Koch. — // *collinum* Fröll.

.p. *nemorense*: laete viride, foliis caulinis linearibus elongatis*; corymbo irregulari furcatove. — *H. cymosum* (S. fallax Fr. Nov.

Y. *alpigenum*: caule elongato strictissimo subnudo, basi 1—2-folio; umbella regulari simplici vel corymbosa. — *H. cymosum* Hopp.

5. *macilentum*: caule gracili sparsifolio; foliis abbreviatis glaucescentibus; cyma regulari capitato-conglomerata. — Habitat in pratis et dumetis Europae orientalis, mediae et borealis.

* * *Laete viridia aut canescentia.*

29. H. GYMOSUM Linn. — Rchb. Icon. tab. 17. fig. 34 et tab. 56. fig. 116. — E. Fries I. cit. pag. 40. f — Laete viride, sublutescens, hirtum vel setost-hispidum: caule sparsifolio eglanduloso-piloso; foliis obovatis lanceolatisve subnudis, praeaevis brevioribus obtusis; cyma diffusa cano-floccosa; pedunculis elongatis corymbosis; involucris (viridibus) cylindricis albo-hirsutis, squamis acutis. — *Pilosella minori flore hirsutior et elatior, non repens* J. Baub. — *H. piloselloides majus longifolium, floribus luteis fere umbellatis* Vaill. — *H. praemorsum* All. Ped. — II. Nestlen Vill.

ff. *nemorale*: caule undique folioso; foliis caulinis latioribus nee decrescentibus; invol. subglandulosus. — *H. cymosum* Winam.

Y- *hispidosum*: caule ad basin folioso foliisque latis rigide hispidis.—Habitat in Europa media.

30. H. SABINUM Sebast. a Mauri, Flor. Rom. 270. tab. 6. — E. Fries. 1. cit. pag. 42. f — Gramineo-viride: caule simplici hirsuto, inferne foliato; foliis obovatis lanceolatisve acutis, exterioribus obtusis, subtus cano-floccosis; anthela discreta densa; pedunculis cymosis sirictis cano-floccosis involucrisque (parvis) cylindricis albo-hirsutis, squamis interioribus acuminatis. — *Pilos. maxima non repens, utraque parte saturate viridi* Triumf. — *P. erecta non repens, polyanthos major* Ray. — *H. piloselloides Italicum, foliis latis, utrinque viridibus* Vaill. — ff. *cymosum* Allioi. — Yill. Voy. 63. tab. 4*, fig. 2. — *H. multiflorum* Schleich. — U. *Allionii* Tausch.

P. *rubellum*: gracilius; cyma simpliciori, pedunculis simplicibus; floribus rubellis Vill. — *H. multiflorum* Schleich.

Y- *vittatum*: gracilius, foliis lanceolatis molliter setosis; ligulis sulfureis, subtus rubro-vittatis. — II. *maritimum villosum, flore medio parvo, adversa parte subrubente* Mich.

5. *Norvegicum*: foliis angustioribus setoso-strigosis; cyma subirregulari; involucro piloso-hirsuto; ligulis croceis aurantiisve. Fr. Nov. — *H. multiflorum* Schleich. — II. *aurantiacum* P. Gaud. — Habitat in Europa australiori et media, in terris Caucasiacis, var. P. in Norvegia ibique absque ullis limitibus in *H. Norvegicum* abit.

31. H. PROCEBUM E. Fries I. cit. pag. 43. f — Hypophyllopodum, viride: caule robusto folioso, apice divaricato-paniculato foliisque oblongo-lanceolatis hispidis; pedunculis inferioribus folio diminuto suffultis; involucro albo-hirsuto, squamis obtusis, intimis acutis; receptaculo flimbriis subulatis asperrimo. — II. *Oriente, Symphyti folio* Tourn. — Habitat ad pedes montium in Oriente.

32. H. INGANUM M. B. — E. Fries I. cit. pag. 44. f — Hypophyllopodum, cano-virens: caule robusto folioso sulcato cano-floccoso, inferne setoso-hispido, apice paniculato-ramoso; foliis obovato-oblongis oblusis hispidis; pedunculis elongatis fistigatis folio diminuto suffultis; involucro cano-floccoso pilisque brevissimis incano, squamis submultiserialibus, intimis acutis. — H. *Oriente sive Pilosella amplissimo folio* Tournef. — *H. echinoides* var. dein *B. asperum* M. Bieberst. — *H. verruculatum* Link.

P. *calvillum*: cano-farinosum pilis rarioribus et mollioribus. — A, *incanum* Willd.

Y- *depilatum*: pilis destitutum nitidum. — Habitat in terris Caucasiacis; var. *calvella* in regione sylvatica Somchetiae.

Series II. AVRELLA E. Fries I. c. 47.

Innovatio per rosulas. Herba glauca vel glandulosa, tuip viridis. Involucris squamae numerosae, in plures series contiguas dispositae.

Achaenia inter affinia maxima, .coslata, apice truncata. Pappus rigidulus, radiis obscure biserialibus longioribus brevioribusque intermixtis. Plantae alpinae: capitulis vulgo magnis speciosis, anthela contigua s. pedunculis folio fulcratis.

E. Stirps // *villosi* E. Fries 1. c. 47.

Radix ad collum nuda. Folia eglandutosa glauca, pilis elongatis vestita vel omnino glabra. Involucri villosi pallidi squamae omnes elongatae. Ligulae apice glabrae. .Alpibus Europae centralis privatae.

33. If. GLANDULIFERUM Hoppe apud Sturm Hft. 39. c. ic. — E. Fries 1. cit. pag. 48. f — Phyllopodum, glaucescens: caule scupiforrai subnudo monocephalo, pube cana pilisque atris glanduliferis vestito; foliis lanceolatis acutis subintegerrimis, utrinque pilosis glabratisve; involucrio ventricoso pilis elongatis densissimis cinereo-fuliginosis villosis, sirao, squamis acuminatis; ligulis glabris. — *Dens Leonis Pilosellae folio* Scheuchz. — *Pilosella alpina lanuginosa, foliis nonnihil crispis* Vaill. — *H. Pilosellae var.* Hall. — // *alpinwn* Allion. Pedem. tab. 44. fig. 2.

(3. *calvescens* Gaud.: foliis glabratis. — // *glabratum* Schleich. — Habitat fo summis alpibus Europae mediae.

34. II. PIUFERUM Uppe. — E. Frjes. 1. cit. pag. 49. f — Phyllopodum glaucum: caule scupiformi submonophyllo mono—oligocephalo simpliciter piloso; foliis sessilibus lanceolatis, utrinque atenuatis subintegerrimis; involucrio ventricoso albo-hirsutissimo, squamis acutis laxis, interioribus acroinalis; Ligulis glabris. — *II. pumilum* II. Column. — *Pilosella monoclonos, non repens alpina minor lanuginosa* Moris. — // *alpinum, pumilum, folio lanuginoso* Vaill. — *II. alpinum* Vill. — *H. Schraderi* Ilc. — * *Idem* -polyanthemum et racemosum Vaill. — Habitat in pascuis alpiura editiorum.

35. H. GLADRATUM Hppe. — E. Fries 1. cit. f — Phyllopodum glaucum: caule simplici folioso glabro submonocephalo; foliis sessilibus lineari-lanceolatis subintegerrimis, iinis in pelioluin atenuatis; pedunculis squamosis albo-pilosis; involucri ventricosis albo-villosissimis, squamis conbrmibus acuiissimis; ligulis glabris. — *H. folio integro longo anyusto acuminato monanthos* Raji. — // *scorzoni^iefolium* Vill. — *B. irillosum* X) o-etc. FrOl. — Habitat in alpibus Germaniae australis, Helvetiae ft Delphinalus. ,

36. H. VILLOSUM Linn. - Jcq. Pl. Austr. tab. Si. — B. Fries 1. c. 50. f — Phyllopodum glaucum albo-hirsutum: caule folioso monocephalo vel ramoso; foliis sessilibus oblongis lanceolatisve denticulatis subundulatis, Innugine molli crispaque hirsutis, summis ovatis subamplexicaulibus; pedunculis involucriisque albo-hirsutissimis; squamis exterioribus subfoliaceis laxis, interioribus subulalo-cuspidatis; ligulis glabris. — *H. villosum, alpinum* V. Clus. — *II. alpinum latifolium villosum mayno flore* Bauh. — *Conyza alpina pilosissima* Bauh. — // *criophyllum* Willd.

p. *elalius*: caule elatiori ramoso; foliis cordato-amplexicaulibus subdentatis; capitulis minoribus brevila villosis. — *II, pilocephalum* Willd.

y. *semiglabratum*: caule graciliori subflexuoso, foliis cordato-amplexicaulibus tenuibus, sursum glabratis; squamis involucri conformibus. — // *alpinum latiori folio pilosum* Pluken. — *H. clongatum* Fr61. — Habitat in alpibus Germaniae, Helretiae, Hungariae, Iialiae, Galliae.

37. f H. FLEXDOSUM Waldst. & Kit. Plant. Hungar. tab. 209. - E. Fries 1. c. 52. f — Hypophyllopodum glaucum albo-pilosum: caule simplici flexuoso folioso monocephalo vel ex alis superioribus oligocephalo; foliis sessilibus lanceolatis subintegerrimis acutis, radicalibus elongato - spalhulais obtusis; pedunculis vix squamosis involucrique

villosissimis, pilis basi nigris, squamis exterioribus foliaceis laxis, intimjs cuspidatis*, ligulis glabris. — *H. alpinum angustifolium villosum* Scheuchz.

p. *dejrilatam*: *fn|m\um*, foliis glabris. — Habitat in alpihus Croatiae, Helvetiae, Tyroliae.

38. II. DENTATUM Hppc. — E. Fries I. c. p. 53. f — Hypophyllopodum glaucum albo-pilosum: caule dense folioso subramoso; foliis basi attenuata sessilibus lanceolatis acuminatis, medio repando-dentalis; pedunculis foliosis squamosisve; involucris ventricosis hirsutis, squamis exterioribus adpressis aculis, interioribus acuminatis; ligulis apice glabris. — // *alpinum*, magno (*lore/ allerum* Plum. — *H. vUosum* p. Vill. — // *flexuosum* (§. *latifolium* Frdl. — Habitat eisdem locis et regionibus ac // *villosum*, (no, 36.) sed rarius.

39. H. SPECIOSUM Horn em. — E. Fries 1 cit. pag. 54. f — Hypophyllopodum glaucum: caule simplici ramoso dense folioso, inferne piloso, superne cano-Qocoso; foliis lanceolatis dentatis, radicebus petiolatis, caulinis sessilibus, subtus pilosis; ramis foliosis, pedunculisque squamosis arceclis; involucrio ventricoso stellato - floccoso alboque - hirsuto, squamis exterioribus obtusis; ligulis apice glabris. — *H. alpinum foliis angustis oblongis vix dentatis, et aversa parte lanuginosis* Segu. — *H. villosi* var. Veterum. — *H. polyphyllum* Rochel. — *H. speciosissimum* Willd. — Habitat in alpihus Hungariae et Helvetiae.

F. Stirpe *H. cerinthoidis* E. Fries 1. c. 55.

Radix act collum nuda. Folia eglandulosa glauca laevigata, pilis elongatis vestita vel omnino glabra. Involucrum subnigrescens, ut plurimum glanduloso-pilosum, squamis elongatis acuminatis subaequalibus. Ligulae apice ciliatae. — Ad alpes Europae mediae et occidentalis, ab Helvetia occidentali et Vogesis ad Pyrenaeos et Britanniam.

40. H. TRICHOCEPHALUM Willd. — E. Fries 1. c. pag. 56. f — Phyllopodum glaucum: caule oligophyllo glabro, superne in pedunculo elongato bractea subfoliacea suffultis diviso; foliis lanceolatis in petiolum attenuatis denticulatis, margine subtusque pilosis, caulinis sessilibus; anthera involucrisque cano-floccosis pilisque-nigris apice canescentibus hirsutis, squamis conformibus adpressis acuminatis; ligulis breviter ciliatis. — *u. pilosclloides longo et angusto folio leviter dentato, flore magno* Boccon. — & *alpinum longifolium incanum* Scheuchz. — II. *Helveticum* Suler. — *H. scorzoneraefolium* Vill. — *H. Lawsonii* Engl. Bot. tab. 2083. — // *flexuosum* DC. — // *glabratum* Koch. — II. *polyphyllum* Schleich. — Habitat in alpihus Geimaniae, Helvetiae.

41. H. CERINTHOIDES Linn. — Engl. Lot. tab. 2370/ — E. Fries 1. c. p. 57. + - Phyllopodum glaucum: caule folioso mono- vel oligocephalo; foliis late lanceolatis acutis integerrimis mediove denticulatis, subtus laxe pilosis, radicebus In petiolum attenuatis, caulinis semiamplexicaulibus; pedunculis folio suffultis cano-floccosis glanduloso-pilosis; involucrio ventricosis pilis nigris apice glanduliferis canescentibusve villosis, squamis exterioribus laxis aculis, interioribus acuminatis; ligulis eximio ciliatis. — *H. Virenaicum, foliis Cerinthos latifolium* Tournef. — // *foliis radic. obovatis denticulatis, caulinis oblongis semiamplexicaulibus* Roy. — *U. caule unifloro, foliis laevibus, radic. Hngulatis obiter dentatis* Hall. — // *Mxleri* Link."

P. *longifolium*: glauco-virens, foliis radicibus longius petiolatis et protractis angustioribus; involucris rariis. ut vix glanduloso-pilosis. — // *longifolium* Schleich. — // *flexuosum* a. Gaud. — Habitat in pascuis glareosis montium Uritanniae, Pyrenaeorum, Corsicae.

42. H. VJOGESIACUM Mougeot. — E. Fries 1. c. p. 59. f - Phyllopodum glaucum: caule paucifolio subpiloso, apice diviso; foliis late lanceolatis glabris, margine carinaque

- subtus hirsutis-, basi dentatis, radicalibus petiolatis, caulinis sessilibus; pedunculis folio suffultis canescentibus involucrisque (nigricantibus) glanduloso-pilosis, squamis exterioribus subpatulis acutis, interioribus adpressis acuminatis; ligulis ciliatis. — *II. decipiens* Frdl. — • #• *Mougeotii* Frol. — Habitat in summo monte Hohneck Vogesorum.
43. H. IRICUM E. Fries 1. cit. pag. 60. + — Phyllopodum glaucum, pilis deniculatis pilosum: caule folioso siraplici, apice corymboso; foliis radicalibus oblongis acutis medio denticulatis in petiolum brevera attenuatis, margine subtusque pilosis, caulinis amplexicaulibus; pedunculis folio suffultis involucroque basi truncato (siccitate nigricante) glanduloso-pilosis, squamis sursum glabris obtusiusculis; ligulis ciliatis. — // *Lapeyrousii* Babingt. Suppl. Engl. bot. 2916. — Habitat in montibus Hiberniae et Angliat.
44. H. VALDEPILOSUM Till. — E. Fries 1. cit. f — Hypophyllopodum glaucescens: caule rigido folioso, pilis longis immixtis brevioribus glanduliferis pubesque brevi stellata vestito; foliis ulrinque dense sctosis, inferioribus sessilibus oblongis, superioribus amplexicaulibus dentatis; pedunculis folio suffultis squamosis involucrisque (siccitate nigricantibus) pilosis, squamis latis multiiserialibus acutis; ligulis apice ciliatis. — *Pilosella s. Pulmonaria duplex valde pilosa* Fiauh. — *H. alpinum Jaceae villosa folio* Titae. — *II. monlanum, mah colonel folio* Hay, — *II. villosum Lapeyr.* — *H. elongatum* Bot. fl. *vet. — // *obscurum* Zollikof. — // *macrophyllum* Schleich. — Habitat in alpihus Europae australis.
45. -j- H. AMBIGUUM Lapeyr. — E. Fries 1. c. p. 61. f — Phyllopodum glaucum: caule folioso flexuoso longe piloso; foliis conformibus sessilibus lanceolatis dentatis ciliatis, radicalibus in petiolum attenuatis; pedunculis elongatis foliatis cano-floccosis pilosisque; involucro eglanduloso-hirto, squamis obtusis adpressis, intimis acutis; ligulis breviter ciliatis. — *H. flexuosum* Hort. Taur. — *H. elongatum* Thom. — *H. Candollei* Frol. — Habitat in alpihus Pyrenaicis et Helveticis.
46. H. CORRUSCANS E. Fries 1. cit. pag. 62. f — Hypophyllopodum glaucum: caule rigido sulcato dense folioso longe piloso; foliis sessilibus lanceolatis dentatis, subulis pilis raris adpersis; pedunculis foliosis squamosisve monocephalis; involucris ventricosis eglanduloso-pilosis, squamis conformibus longe cuspidatis; ligulis ciliatis. — *H. Cerinthoides angustifolium* Tournef. — *H. flexuosum* p. Lapeyr. — Habitat ad latera Pyrenaeorum.

G. Stirps *H. laniferi* E. Fries 1. c. 63.

Radix ad collum lanoso - comosa., Herb a eglandulosa polita glaucesceus, pilis elongatis adpersa glabratave. Involucrum multiseriale villosum subglandulosum, squamis intimis saltim acutis. Ligulae ciliatae. Folia caulina amplexicaulia. Praecocia! In montibus Hispaniae, Pyrenaeis, orientem magis versus deficientes, excepta prima specie ad Vallisiam et Italiam progrediente.

47. H. SAXATILE Vill. Delphin. HI. 118. tab. 29. — *E. Fries 1. c. + — Erio- et phyllopodum glaucum: foliis radicalibus subsessilibus obovato-oblongis integerrimis hirsutis: caule scapiformi nudo 1—4-cephalo; pedunculis bractea foliacea suffultis elongatis filiformibus monocephalis, apice canescentibus involucrisque glanduloso-pilosis, squamis adpressis acuminatis; ligulis apice ciliatis. — *Auricula muris altera incana saxatilis* Column. — *Pilosella' incana saxatilis* G. Bauh. — // *pilosissimum parvo florern'on ramosum* Pluken. — *H. pumilum tomentosissimum, folio subrotundo, radUfi crassa* Vaill. — *H. Lawsonii* Vill. — // *barbatum* Loisel. — // *scopulorum* Lapeyr. — Habitat in Pyrenaeis, alpihus Delphinatus et Pedemontih
48. H. PHLOMOIDES Frtl. — E. Fries 1. cit. pag. 64. f — Erio- et phyllopodum glaucum: foliis radicalibus obovatis lanceolatisve dentatis pilis densis elongatis lanugiao-

- si9, caule scapiformi piloso nudo oligocephalo, ramis (1—2) inferioribus folio ovato acuminato suffultis, pedunculis arcuatis corymbosis involucrisque nigro-glandulosis, squamis acuminatis, ligulis ciliatis — *H. tomentoemimum*, folio oblongo Sherard — // *husutum* Lapeyr — *H. cermlloidetes* var. Un itin — Habitat in Pyrenaeis prope Gavernie
- 49 *H. LANIFERUM* Cavan Icon III 18 tab 234 — E Flies 1 c 66 f — Eno- et phyllopodum glaucum folus radicalibus obovato-oblongis integerrimis glabralis, in petiolum lursuissimum attenuatis, caule globo nudo subdorso, pedunculis glabris squainosis, infimo folio ovato sessili aculo suffulto, involucro villosa, squamis acutis, inlenonibus acuminatis, ligulis ciliatis — // *obovatum* Lapeyr — *H. ongamfolmm* Fiol — Habitat in summis montibus Hispamae et in Pyrenaeis
- 50 *H. CORDIFOLIUM* Lapeyr — £ Fries I en f — Eno- et phyllopodum, intense glaucum folus radicalibus subsessilibus obovato-ellipticis denticulatis ciliatis, basi lanuginosis, caule glabro, apice paniculato, infra ramos folio cordato amplexicauli suffultis aphylo pedunculis arcuatis luteolo-glanduloso-pilosis squamis latis obtusis sursum glabris, inlimis acutis ligulis ciliatis — // *ceunthoides mullicaule* Monn — // *elongatum* Umo Itin — *H. cerinthoides* Gaud. — Habitat in Pyrenaeis ad Babar prope St Be*at
- 31 *H. NEO-CLRINTJIR* L Fries 1 cit pag 67 f — Phyllopodum, gloucescens caule piloso, infra tamos pedunculose subbifolio foliis radicalibus obovatis obtusis ciliatis nitidis, in petiolum hirsuissimum attenuatis, caulibus basi cordata amplexicaulibus acutis, pedunculis involucrisque pilosis nigricantibus glanduliferis hispidis villosisque squamis acuminatis, ligulis apice ciliatis
- (§ *macrocephalum* caule humilo mono- vel oligocephalo pedunculis involucrisque ventricosis subvillatis — *H. alpinum*, folio oblongo acuto laevi Burs — *H. alpinum* var Linn — *H. obovatum* Lapeyr — *H. Lapeyrousi* Frill — *H. rhomboidale* Lapeyr Act Toul I 215 tab. 18
- γ. *microcephalum* caule elatiore, superne paniculato polycephalo, pedunculis involucrisque atro-glanduloso-hispidis — *H. cerinthoides* Gouan, Oba 58 t. 22.
- § *altissimum* caule elongato folioso ramoso, folus subtus villosis, radicalibus subemanatis, caulibus lato-cordatis acuminatis — *H. Pyrenaicum altissimum* folio et facie Doionwi Tournef — *H. allisimum* Lapeyr — *U. ceunthoides* γ *alpinum* Frol — Habitat in Pyrenaeis et Hispamae montibus
- 52 *H. COMPOSITUM* Lapeyr — E Fries 1 cit pag 63 + — Eno- et phyllopodum subvili caule elongato hirsuto, infra ramos bifolio, folus radicalibus oblongis denticulatis opacis, utrinque pilosis in petiolum alatum attenuatis, caulibus amplexicaulibus cordatis acutis pedunculis folio diminuto suffultis erectis involucrisque albo-pilosis, mixtis glanduliferis squamis conformibus acutis. ligulis ciliatis — *H. Pgrtikatum doromci folw* Tournef — Habitat in siccis petrosis Pyrenaeorum

H. Stirps *H. Pseudo-Ceunthoidea* s *H. alpinum* E. Fries 1. c. 69.

Radix tortuosa valida, in amplexicaulis manifeste lanoso-comosa. Herba glanduloso-pilosa recens vincta. Involucrum multiseriale, squamis acuminatis, externis saepe involucrantibus. Ligulae extus villosae vel apice ciliatae. Folia caulina evoluta magis minusve amplexicaulia. Anthera contigua, bracteis subfoliaceis, in *H. ligustico* vulgo reductis. Plantae alpestres, alpinis Europae meridionalis partibus, solum *H. alpinum* in zona arctica centrum suum habet.

- 53 *H. ALPINUM* Lim - Engl bot tab 1110 — Sv bot tab 644 — E Fries I c t 69 t — Phyllopodum viride caule mono- oligocephalo canaliculato hirsutoque, folus
H. 125

sublanccolatia potiolatis mollibus, uinnque husutis subglandulifens, caulims deoes-
cenlibus reductisve scssilibus, radicnhus persistentibus involucro vnginco subccrnuo,
pihs elonguus densis birsulissimo, squamis mumis acumimtis liguli* pilosis — *II*
villosum alpinum, flore magno singulan Ray — *II. Italian Vill* — *II polytnchum*
Ledeb — *II pumtlum Hopp*

[J *melanocephalum* caule pedunculisque nigro-glanduloso-pilosis, imolucns
villosissimis nigrcantibuo, ligulis minus pilosis, stjlo fuligineo. — *II alpinum Fl*
Dan lab 27 — *II melanocephalum Tausch* — *II. Ualleii Tausch.* — *II pulmoñaceum*
Engl Bot tab 2083. — *II nujiescens Wild*

y *fuhgmosum* caule dense albo-hirsulo cglanduloso, folns lanceolato-spathu-
latis tenuissimis vulgo obtusis et integemmis, involucns cano- vel fuligineo - villosis,
ligulis dorso-glnbns, apice obsolete ciliaiis, stylo fuligineo, — *If pumilum Willd* —
H. Sudelwum Tausth — *II alpinum budeticum Wimm Cb Giab* — *II. alpinum vni*
fuhginosum Laestad et Wahlb.

5 *giacilentum* caule elongato tenero subrnmoso et folioso, pilis tenelhs rans
adperso, capjtuJjs parvis (*II muimurn*), *bguhs* hiisuiis, **stylo** fuligineo. — *II. gracile*
Frol — Habitat per lotam arcticam zonam

54 f H BRUCTERIM E Fncs 1 cit pag 72. f — Caule basi subfurcalo nudo, folus
fuinis ngidis oblongis giosse mullidcnlaiis, radicnlibus primanis sessilibus, secunda-
rus longe peliolatis, caulims bincleiformibus, in\olutio amplo (haud ventneoso) bir-
sulo nigrcaille, squamis obtusis, ligulis pilosis, slylo luteo — *II minons species,*
Bi occenbergo peeuhai is Thai — *II alpinum pumilum Hall* — *II alpinum folns latio-*
nbus denlulis Murr — *H alpinum Ehrh* — Habitat in suinino Biuctero

55. II SUDETICUM Strnbrg — E. Fries 1 c. p. 73 f — Phyl'opodum, laete virens.
caule subramoso oligoce| halo lamisque creclis foliosis monocephalis Inrsutis, folus
hirsutis minute glandulosis, radicalibus jiaucis basi attenualis, caulims basi ovata
sessilibus oblongis lanccoluii&ve argute dentatis, involucro hirsulo nigrcante, squa-
mis obtusis, ligulis extus glabns apice ciliatis — *II folusBehems albi, Sudehcum* etc.
Mich — ⁹ *H villosum Dicks.* — Engl bot tab. 2379 — *II pulmonanoides Presl.* —
II pedunculate Tausch. — *II amplexicaule P villosum Tausch.*

p. *glosiphyllum* caule paucifoho, folus elongato-hngulatis

Y *bellidfohum* caule pumilo monoph)llo monocephalo, folio caulino semiam-
plexicnuli, squamis oxtimis (4) majonbus involucraniibus — *II bellidifolium FrOl.* —
Habitat in alpibus Silesiae alt. 3000—3600, Cannthiae, Tyroliae

56 H. LIGUSTICUM E Fries c. p 74 f — Eno- et p^llopodum caule basi a ramoso
paucifoho vel loins ieductis saepe nudo. folns radicalibus sessilibus lanceolalis hir-
tis, rnmis bractea linean sudultis involucns floccis cams piluque alns glanduliferis
adpersis, squamis inienonbus acuminatis apice barbatis, ligulis dorso villo^is, st\lo
luteo, achaenus teslaceis — *II montanum, folus Pulmonanae plures caulcssecundan-*
profe)ens Michel. — *II amplexicaule aureum Gaud*

p. *reduclum pumilum*, caule aphylo. — *II. Ligusticum* De Not — Habitat in
Ualiae et Helvctiae alpibus

57 H PSEUDO-CERINTHE Koch - E Fries 1 cit f — Eno- et phyllopodum. pallens
subglaucescens, undique luteolo-glanduloso-pilosum caule oligocephalo, sub ramo in-
feriori submonophyllo; folns mollibus, radicalibus oblongo-lanceolalis subintegernnis.
infra-rameahbus coidato-amplexicaulibus acuminatis, involucn squamis adpressis cus-
pidatis, ligulis cil/atris — ¹ *II folio caulm amplexo Triumf* — *II folns* etc. Hall. —
II cerinthoides Vill Delpb III 110 tab 32 — *II amplexicaule E Gaud*

p. *monocephalum* — Habitat IQ alpibus Helvetiae, Delphmalus tt^Corsicae.

58. H. AMPLEXICAULE Linn.— Engl. bot.App. tab. 2690. — E. Fries 1. c. 75. f—Eriopodum phyllopodum, saturato virido, pilis luj^oiis, ramorum superiorum basi nfricantibus. subglanduliferis viscidum: cnulo 1—3 - foliis patemi-ramoso; foliis rigidiusculis, radicalibus oblongis grosse denlaiis, cnulinis semiamplezicaulibus, ramealibus bracteisque amplexicaulibus cordato-ovatis; involucri squamis acuminatis laxis; ligulis ciliaTis. — // . montanum hirsutum ramosum, parvis floribus C. Baub. — // . rotundifolium Pyrenaitim amplexicaule Tournef. — // . foliis uvato-lanceolatis etc. Hall.

P. longifolium Linn. — // . longifolium Pyrcnaicum amplexicaule Tournef.

y. balsameum: involucri squamis excriqribus foliaceis obtusiusculis luxuriantibus Fröl. — // . balsameum Asso. "Lepicaunc balsamca Lapeyr. — Habitat per alpes Germaniae australis. -

- 5i). II. PULMONARIODES Vill. Delphin. III. 133. tab. 34.-E. Fries 1. c. 76.+Eriopodum phyllopodum, viride, pilis lulcolis, ramorum superiorum basi nigricantibus glandulosis viscidum: caule folioso erecto ramoso; foliis radicalibus oblongis sinuato-dentatis, caulinis et ramealibus sessilibus oblongis lanceolatisve; involucro luteolo-glanduloso, squamis laxis acuminatis; ligulis apice cilintis. — // . ramosum etc. Ray. — // . intybaceum Hoppe. — // . pelraeum Hoppe. — // . amplexicaule Gaud.

(J. commutatum: ramis erectis, foliis ramealibus diminutis angustis, involucri squamis exterioribus foliaceis, interioribus longioribus. — // . commutatum Gay. — // . tuberosa Lapeyr. — // . amplexicaule y. Monn. — // . intybaceum (5. Fröl. — Habitat per alpes Germaniae australis, Helvetiae, Italiae, Galliae australis.

I. Stirps *H. glauci* E. Fries 1. c. 77.

Radix ad coll urn nuda. Herba glauca eglandulosa, vulgo glabra. Involucrum spiraliter imbricatum cano-farinosum, in ultima specie nudum ut glabrum, squamis exterioribus brevioribus, intimis obtusis, at in prima specie longe attenuatis acutis, vulgo depilatum, sed variat pilosum. Ligulae apice glabrae. Herbae rigidae angustifoliae, anthela contigua. incolunt alpes et montes Europae australioris, nee extra Europam nee »» ejus regionibus borealibus obviae.

60. H. STATICEFOLIUM Vill. Delphin. III. 116. tab. 27. — Lam. III. tab. 267. fig. 1. — E. Fries 1. c. 78. f — Phyllopodum glaucum, stolonibus subterraneis repens: caule subnudo simplici divisove; foliis lineari-lanceolatis subdenticulatis glabris; pedunculis clongatis simplicibus squamosis involucrisque depilatis cano-floccosis; squamis longe attenuatis: ligulis glabris styloque siccitate virentibus; pappo niveo. — *Chondrilla folio non dissecto, caule nudo et foliato* J. Bauhin. — // . montanum angustifolium, flore pallido etc. Pl. Burs. — // . statices folio Tournef. — // . glauci var. Allion. — Habitat in locis gluceosis alpium et montium Germantiae australis, Helvetiae, Italiae et Galliae australis, praecipue ad torrentes et cum his in planities descendens.

61. H. PORRIFOLIUM Linn. — Jcq. Fl. Austr. tab. 286. — E. Fries 1. c. 79. f— Phyllopodum glaucum glabrum: caule gracili subfolioso virgato-paniculato; foliis linearibus lanceolatisve subintegerrimis acuminatis, radicalibus basi attenuata subvaginantibus persistentibus; pedunculis bractea suffultis squamosis; involucri depilati squamis obtusis squarrosulis, margine cano-floccosis; ligulis glabris. — *Scorzonera angustifolia allera* Clus. — // . Tragopogonis folio Bauh. — // . montanum, *Asphodeles foliis acuminatis* Uocc. — // . Phalangii foliis Vo ill.

^ . denhculatum: foliis lanceolatis deniiculatis conferioribus (basi vel in pagina inferiore hñfitis (mihi glabris) Koch, — // . crassifolium Hort. Bot.

- 7 *saxicolum* caule nudo vel sursum aphyllo, folns rndicniibus permgustis elongatis denliculatis — // *taxiile* Jacq Obs II 30 tab 50 — Habitat in lupibus calcareis alpinis et subalpinis Austnae, Germaniae austialis, Helvetiae et Itliae
- 62 H[^]BUPLEUROIDES Gmel FI Bad III 437 tab 2 — E Fries 1 c 80 f — Hypophyropodum glabrotum glaucum caule ngido folioso, folns sessilibus linconbus lanceolaiisve acuminatis denliculatis, summis lalionbus, peduncuhs ex alis elongates arccus squamosis involucroque subpilosis, squnmis obtuse, excuorihus patulis ligulis glabns — *H. alyinum glubium anguslifohum* Plant Buis — // *alpestre saxaUlc joins gramineis anguslib, flore lutc n magnn* Titac. — // *poinfohum* Auctt vai. — var 5 Monn — // *denudatum* Schult — *H polyphyllum* Willd — *U. glaucum* Wahtob — // *gramimfohum* Gaud
- p. *grammtfohum* caule simplici gracili, saepe laxo, dense folioso, folns membrnaceis linear-elongatis vindibus — *H glaberrimum* Spreng. — // *humifusumllprl*
- 7 *brevifoUum* caule elongato simplici dense folioso, folns omnibus pnms. Tommis ovatis, capitulis minonbus depilatis — Habitat m alpinis praecpue calcareis Hunganae, in Caipaihis, Helvetiae, Sabaudiae, Tyrohne et Sueciae
- 63 H GLAUCUM All Pedem 214 tab 2P flg 3 - E Fries 1. c 82 f - Phyllopodum glaucum caule ngido basi foliato, folns lmoan - lanceolatis acuminatis subdentatis glabus cilinlis\u, radicalibus petiolatis, caulims sessilibus decrescentibus, peduncuhs patentibus squamosis involucioque cano-floccosis, squamis scanibus obtusis arete adpressis l/ghs apice glabns stjlo c luteo fuscescendo. — // *montanum angnslifohum, rwnmhil incanwn* C Bauh — // *bcoizoneiae foho* Tournef. — // *alpinum, folns antjubtifi laro dcnlaln* etc Segu — // *saialile* Jacqu Ic ror. tab. 163.
- { *valitum* folns pilosis, subtus nudis, involucro albo-hirsuto
7. *saiclanum* folns radicalibus lationbus argute dentatis, involucris subnudis — // *savatile* Jacqu — // *glaucum* A el 1 at if oh urn Gaud — Habitat in alpinis sicut pnus. /
- 64 f II CALCAREUM Bernh. — E Fries 1. ciu pag. 83. f — HypophyWlopodum glaucum caule elongato ramosi&sim, ramis patentibus divancatisve, folns sessilibus lanceolatis, utnque in denies elongatos antrorsum ponectos incisus, peduncuhs squamosis jnvolutnsque turbinaus depilatis levitet cano-fannosis, squamis adpressis, oitimis bievibus paluhs. — // *Chandnllac facie saxattle hmutum folio glauco* Raj. — // *H porrifohum* \\| — // *glaucum* (3 ramo&issitnum DeC — // *saxalile* van. Auctt. \ar e. Tausch — // *gravcolens* Frol — // *calyculatum, glaucum, canescens* Hort. Bot
- p. *hurmfusum* folns mmoubus sparsis Tausch — // *humifusum* Spreng — Habitat in rupibus colcoreis Italiae, Galliae etc
65. H. POLITUM E Fries 1. cit pag 84 f — Hypophyllopodum caesium glabeinum caule gracili sparsifoho ramoso, folns laevigatis acurmnaiis, infenonbu9 peiolatis oblongo-lanceolalis denliculatis, summis linennbus integemmis ptdunculis giacihbus cano-flocculosis subsquamosis involucrosubnudo, squamis obtusiusculis, extimis laxis, stylo luteo — *U glaucum* Vill — Habitat m monlosis Europae australis
66. II RCUTERIANUM Boiss - Wlprs Report VI 364 no. 11 — E Fnes 1 c 85 f — Hypophyllopodum glaberrimum viridi-glaucoscens caule simplici mferne folioso, superne nudo folns lariceolntj* iniegeiinnis aculii, anthela toniigua ihjrsoidea ramis infenonbus folio diminuto sulTullis ramosis, involucro glabemmo atiovnente, &quamis adpressis obiusissimis, Jigulis apice glabns. — Habitat in Olytpto Buhymae

Series HL. PULMONAREA E Fries 1. c 86.

Innovatio per rosulas. Tolia ladicaha persistentia, pnmonhaliaiotundata In\olucn squamae irre^uianter imbricalae ob seneijlnterruptam,

extenores breviores inordmatae Achaenia pnorum vulgo breyiora, sed *Pilosellarum* conspicue majora, stnata Pappus rigidulus, radiis obscuie bistnalibus — Plantae montanae et rupestres, sed in regiones campestris multae species descendunt pervulgalae, capituhis mediae magnitudims, antbela pleiisque discreta, ultima slirpe excepta aphylla

K Stirps II. *Andryaloidis* C, Dies 1 c

HeiBa tota pilis distincte plumosis lanuginosa albicans, raro nudiuscula virens Involucn squamae acuminatae, vuJgo vilJo denso obtextae, quare earum situs aegre conspicitur Stylus luteus. Respondent H villosis Aurellarum, at typus manifeste Pulmonareae, Audryalis maxime afelogaearumque regioni 1 e mediterraneae privae.

67 H PARNASSI E Fiies 1 cit pag 86 f — Phyllopodum plumoso - villosum caule scapiformi subnudo monocephalo furcatove folus radicalibus rosulatis sessilibus obovatis sinuato - dentatis maximis, caulmo dimmuto pedunculis elongatis simphcibus canofloccosis pilosisque involucro subgloboso pihs longis densis simphcibus albis serrceo, ligulis undique pilosis. — Habitat in monte Parnasso Graeciae.

68 H RUPESTRE Allion — E Fries 1 cit pag 87 f — Phyllopodum plumoso - hlrsulum folus rosulatis clongato-lanceolatis sinuato-dentatis, supra vulgo depilatis, extimis submtgris caule scapiformi mpnocephalo furcatovo cano-floccoso, apice involutnsque albo-villosis, squamis acuminatis ligulis glabris — // *saxatile pumdem aspei urn* J Baub — // *Sarloi lanum* Boiss — Wlprs Repert VI 363 no 4 — Habitat in alpibus Europae australis alt. 6—7000 ped et in monte Taygeto Lycaomae

69 f H DASYCEPHALUM Fr6l — E Fries 1 c 88 f — Phyllopodum piumoso-loraentotum caule simplici vel a basi in ramos paucos ascendentes diviso, folus lanceolatis dentatis radicalibus basi attenuatis basi submcisis, caulinis paucis sessilibus, mvolucns ventncosis albo-lanatis, squamis intirais subulntis liguhs glabris — // *alpium tomentosum, folio lanceolato pi ofunde dentato* Vaill — ? *H Liotardi* Vill Oelphui. HI 121 tab 29 — *H soxatile* Balb — Habitat in monlibus alpms Delpbinalus, Italiae etc

70 II ANDRYALOIDES Vill Delphm HI 121 tab 29 — E Fries Ic f- Phyllopodum plumoso-villosum caule inferne foliato, superne nudo in pedunculos umfloros diviso lamosove folus obovaus oblongove-lanceolatis inienoribus petiolatis mfa medium sinuato-dentatis, supeuobus sessilibus Idntcolatis integemmis acuminatis involucro subgloboso villosfssimo, squamis cuspidalis liguhs apice subciljaus — *II tomentosum mtegro folio* Bocc — *II lomentomm seu lanosum* Paik. — // *lanosum* Gerard

P *undulalum* folus undulaio-dentatis Ijratisve, caule saepe mmoso (el m cultis decumbente) Koch — *H lusttamcum humihus tomentosum* Tournef — *H univlalum* Ait — Habitat ad rupes apncas regiorus mediterraneae

71 t H PICTUM Schleich — fc Fries 1 cit, pag 89 f — Phyllopodum plumoso - villosum foins petiolatis ovalibus ianceolatisve basi profunde deniatw, supra nudiusculis, niaigme sublu^que lursutis caule scapiformi subnudo ad medium in pedunculos paucos monocephdlos cano-floccosos diviso involucris husutis, ligulis glabris — *H manlanum lanuginosum laciniatum flore parvo* C Bauh — *H murorum var pictum* Pers — // *andiyaloides* Y pwtm Koch — Habitat in vineis Helvetiae

72* H TOMCNTOSUM Gerard — E Fries 1 cit. pag 90 f - Phyllopodum plumeso-tomontosum caule folioso ex ahs supenonbus ramos monocephalos cxseieote, folus cia^is, inferionbus petiolatis oblongis basi denticulatis, summis ovntis acumioatis, •nvolucroWbgloboso, squamis cuspidalis, bgulis glabns — *U montanum iomonlomin*

MOJIS — *H Pyrenaicum Verbasci folio tomentosum* Tourn — *Amlryala Janata* Linn — *II lanatum* Vill — *II veibascifohum* Pers — Udbital in tupibus legioms medi-leiraneae

- 73 II TAYGETUM E Fnes 1 cit p*g 91 f — Pannosum h\pophyllopodum tomento plumoso densissimo mtertexto pannoso - tomentosum caule elongito folioso simplici demum aphyllopode foliu* obovalo-lanceohtis inflmis in pctiolum attenuate pedunculis paucis (1—3) teimimljbiis, clongnus foliolosis monocephdlib in\olucns ventricosis squamis cuspidilis ligulis ghbii5 — // *phlomouks*, *Synacum lalijohum* John *Candida el dtnsa lanugmc obsilis* MOMS — *II pannosum* Boiss — Wlprs Repert VI 364 no 13

p *hirsutissimwn* pihs elongiis erechs busutissimum, cacterum puori ex omm paite simile (Cfi *H andryaloides pilosum* Gaud) — Habitat in rupibus summis, prope rmes oeternas Ta\geti

- 74 II L\NATUM Waldsl St Kit PI Hungar 135 tab 127 — E Fries 1 c 92 f — Pbyllopodum plumoso-lanntum caule inferne foliato supeine glabrescente, foliis radicalibus peiiolatis) obovalis dentatis mucionatis caulinis sessilibus lanceolatis anhela discrefi 1—4 ctphaln imolucns ovato-oblongis pilis nigncantibus glandulifens hispidis squama iaxis acutis ligulis glabns — *II Waldsteinu* Tausch — Habitat in alpibus Cioitiac id Kilcbich

L. Stnps *H rupestris* Auctt — E Fries 1 c. 92

Ileiba glauca setoso-pilosa, pihs longis simpheibus vulgo ngidis, his in pagina supenon folioium dchcjentibus, folia superne albo-punctatd. Imolucn squamae Irregulariter imbricalae, introisum decrescenes Stylus persistentei luleus, nee fusco-hispidulus — Folia radica ha basi semper attenuata, caulina numquam amplexicauha. Regiones rupestres, ^ulgo saxoium fi^suras inhabitant, infra has degenerant in foimas \ane personalas Centium suum habent in solo ubique saxobO gneiseo vel sclustoso Scandinaviae, nee ahae planlae Mdentur hujus p:egnostjcae constitutioni magis pnvae Ilinc prorsus desunt in teins alluviahbus v c per magnam planitiem Rulhenicam et in reliqua Euxopa ranus dispersae in altionbus montibus pnmaevis

Caule scapiformi 1—paucifolio (folns a basi remotis, radicaibus numerosis rosulatis persistentibus, basi praecipue dentatis), anhela discrela, involucn squamis mtimis cuspidatis, porrectis flores Mr-gineos longe superantibu*

- 75 f II A^GLICUM L Tues 1 cil pig 93 f — Pliylopodum vindi ghucum caule scapifoinn simplici subunilolio folns radicaibus pttiolatis ovatis pilosellis, basi dentatis. antbela 1 — oligocephlnla pedunculi* simplicibus arcuito-ascendentibus in^olucnsque ventncosis ghndulosis birsutisve squamis acuminatis ligulis eximie ciliatis — // *Uplocaulon hnsutum foho longmn* Ray — *II Lawwni Babingt* — Habitat in Anglifl, Scotia, Pyrenaeis

- 76 H PALLIOLM Bivona — T Fnes 1 cit jag 94 f — Pbjllopodum cae*io glaucum cault scapiformi subunifolio folns ovalo-hnceolalis aculis subsetosis, a basi dentatis, subtus flocculoso-sclhtii mlcilibus. petiolaiis anthch discitla oligocephala patente imolucnsque basi ovatis cino noccosis subglanduloso pilosis squamis cuspidatis BgU' lis subciliatis st\lo lutco — *H foho pilusistmo minimum* Rupp — // *nipeltie* Schmidt, Act Bohem I 58 t 9 — // *oiatum* Sebluch — *II Iainsonn Hot* Scot — *H Hallen* Curt Flor Londm tab 215 — *H Schmidln* (ct *candicans*) Tausch — *II S^nbergtt* Frol

j3. *furcalum* caesio-glaucum, minus cnule furcalo, folus basi IDCISIS mtegnsvē pedunculis involucrisque minonbus nrgncantibus glanduloso-pilosis, ligulis obsolete CILDIIS

?Y *H amigetum* vindi-glaucum folus (utnque) dense cauleque setoso-cnniis, cuiliug (1—2) subpetiolatis, capitulis sjeciosis, involucns piloso-cnmtis eglandulosis, ligulis gherumis Cfr // *pilosum* Fiol — Habitat in rupibus Scandnaviae et in montibus altionibus Europae fore lotius in Aetnam usque *Vai cnnigera* in Hovedoe piope Christianam

77 f H PERSIGIFOLIUM E Fnes 1 cit png 95 + — Glauco-virens subgiabrum caule stncjo subumfolio folus linenn-lanceolalis, utnque acuminalis medio denticulatis iniegernmis/e subciliatis radicalibus paucis (2—3) petiolatis, caulino remoto sessili, anthela discreia furcata stncia, involucio ovnto eglanduloso brevier piloso, squama longe cuspidalis, ligulis glabns — Hnbitat ad pedcs rupiuin Sueciae,

78* f H PALLESCENS SCAPIGERUM E FIIPS 1 cil png 96 f — Caesio-glaucum caule subnudo, apice diviso conmboso folus dense tosulatis mtegernmis basive dentatis, superne glabns, maigine subt^que pilosellis, ctnms obovas lotundato-obtusis, pedunculis strictis involucrisque dlbohnsuns, interdum glandulifens, squamis cuspidalis, ligulis glabns — Habitat in lupibus Norvegne prope Christianam

79 II BIFIDUM Koch — E Fries 1 cit + — Phyllopodum glaucum, caule scapiformi subnudo patnii-rnmoso folus ovatib lanceolatisve in petiolura attenuate, margioe sublusque setosis, basi profundius dentatis pedunculis involucrisque floccis densis pilisque brevibus eglndulosis albicaniibus, squamis longe cuspidalis ligulis glabns, stylo luteo (*H rupiLolum* polius) — *H punulum saxalxe asperum* etc II C Pauh — *H iupesire* Auctt — // *calcaieum* Willd. — Habitat in lupibus altionibus (calcareis?) Europae mediae

M⁰ H LASIOPHYLLUM Koch, — E Fnes 1 cit pag 97 f — Phyllopodum intense glaucum caule scapiformi monophjho, folus radicalibus longe petiolatis coiiaceis ovatis lanceolatisve, basi suhdentatis, sublus vel utnque dense el ngide setosis, antheladiscraia bis reppitove-fui caia pedunculis erectis involuci oque cano-floccosis, pilis glandulifei is luspidis nigncaniibus, squamis oblusis, inteiioribiis acutis ligulis apice glabns, stylo luteo — // *alptnum aphyllocaulon tomentosum, folio subrotundo, longa cauda insidente* Vaill — *H muioiwn* Lapeyi vai. *lolundatum* Koch — Habitat in sazosis alpinis Pyrenaeorum

81 H PALLESCENS Waldst ft Kit PI rar Hungai 241 tab 217 — E Fries 1 c 98 + — Phyllopodum caesio-glaucum caule 1—4-folio apice corjmbifero, folus oblongus lanceolati^ve subdenticulatis, liifenonbus in peoluin allenuatis, margine subtusque Pilosis, pi imams ligulato-obtusis, anthela discreta erecta involuci isque cano-floccosis & glandulosoque-pilosis, squamis acutis, ligulis apice glabns stjlo luteo.

P *caesioylaucum* folus subintegns — *Pulmonai ea Galhca aurea angustifolia* Ray.

"- it *sylvaticum* Auctt — vai *H pall* Grabowsk — *H Lawsonn* Bl} tt

Y *palhdum* caule elalion, folus glnuco-pallescens magis dentatis, capitulis mnjonbus magis hirsutis — *H pallescens* Waldst ft Kit.— *H palhdum* Willd — Hubitat »n legiombus montanis el convallibus alpinis Europae

82 til ARGENTEUM E Fries 1. cit pag 99 f — Phyllopodum. intense glaucuro caule fistuloso glabro uni — paucifolio, folus lanceolatis glabiis ciliatis, medio dentatis, radicalibus distincte, caulmis brevitei peolatis, anthela discrete. bracteis subfoliacen, squamis latis oblusis, ligulis glabns. stylo luteo - Habitat in rupibus alpinis apricis, praecipue mantimis Norvegiae occidentalis

** Caule fohoso, folus medio dentatis, radicalibus paucis (2—3) marescentibus ante cauhna, a basi contigue ascendenlia et in bracteas transeuntia. Squamae dtenuatae floies virgineos emersos aequantes inAmbentes.

- 83 H OREADES E Fnos 1 c. p. 100 f — Phyllopodum, intense glaucum caulo subramoso folioso, folns oblongis medio denticulatis, margine subtusque piloso-ennuis caulims sessilibus anihela contigua cano - floccosa in\olucnsque tumidis, utrmque truncntis albo - cnnitis, squimis oblusis, ligulis eximie ciliatis stylo luteo — *II macrocaulon hirsutum, folio rolundiou Ray* — *H glaucum pilosum, folns paium denlahs Dill* — Habitat in protnontoms ad lacus majores Sueciae
- 84 II SAXIFRAGUM C Fues I c f — Phyllopodum glaucum caule ngido subramoso in feme hirtio folialoquc, folns lanceolatis, caulims sessilibus mcdio dentalis sublus pjlis selosis brcvibosque tnfldis anthela conligua pedunculis tenuibus subsquamosis involucroquo basi ovnio subnudo pilis luleo - glandulosis apiceve canescentibus, squamis acuminate, ligulis bie\itei cihais — *II pumih, faxalilis, aspen* etc in vai Burs — // *cermthotacs Vill* cum varr. — // *rupeihe* Vulgo non Allion (J. Gaud — *II saxalilc bchleich.*
- (i *hispulissimum*: caule undiqc folioso folnsquo ulunqce longe selosis
- Y *vimineum* cnule elongato virgalo-ramoso ramisque foliosis involucris fiigricantibus, squamis obtusionibus, margine albo-farמוש, pappo mvco — Habitat in Suecia media et boreah ad lupes et saxa frequens
- 85 II ONOSMOIDES I Fries 1 c p 102 f — Phyllo-et tncnopodum, glauco-pallens longiscum riule stticto folioso folns ovalibus lanccolatisve sessilibus medio serratodontais, subius simpheici pilosis riditalibus dense rosulalis subpctiolalis anthela contigua corvmbosa stneta involuciisque cano - fioccosis pilisque apice canescenlibus vrilosis ligulis ghbns stylo luioo — // *furcdlatum vnens*, caule superne nudo glabio reptite fuicato striclo, folns bre\iter hirds — Habitat in Norvegn loos alpims et mferalpims, sub plunmis ommno deQntis foimis
- 86 H DIAPHANUM E Fnes 1 c f — Plniopodum glaucum cnule fistuloso paucifolio apice corjmbifcro, folns membnnnceis oblongis ciliaus medio dcnliculalis, radicalibus mfenonbusque pcliolalis, antbela patente divancalavo involuciisque nudis aliovneniibus, siccitate nigns, dense mgroglanduloso-pilosis, squamis muliisernlibus apice glabris, Inlimis acuminatis, ligulis apice glabris, stylo luteo — *II pelluadum* (J. Wahl
- p. *curium* pumilum, caule robustiore folns subtus pilis 3—4-fldis adspersis, capitulis duplo majonbus — Habitat in alpibus Norvegiae.

M. Stirps // *vulgati* E. Fries 1 c. 103

Herba vindis vel caesia pilosa, pilis simpheibus eglandulosis molhbus. Anihela subdiscreta Involucrum irregulanter imbncatnm, squamis introrsum decrescentibus Stylus luteo-Inescens, sub lente fusco-bi^pidulus, siccjtate fulieineus Achaenia bre\ia fusco-mgia Species normaliter montanae, at quaedam etiarn in nemora campestna descendentes valde luxuriant et confunduntur, ubiquitanae in Europa, rarae et decrescentes jam in Rossia onentah et Asia, ranssimae in America arctica.

Typo *H murorum*

Caulis scapiformis 1—3-folius, fohis a basi remotis. Squamae mtenores cuspidatae, porrectae flores virgineos longe superantes. Folia basi praecipue dentata obtusa subcordata

- 87 II NIGRESCENS Frol — E Fries 1 c p 104 f — Phyllopodum vnens caule subumfolio monocephalo vel lamoso oligocephalo, sursum cano - floccoso ^landulosoque-

piloso: foliis ovatis lanceolatisve, utrinque pilosis eglandulosis, basi aiouato-daiMaiif-involucris nigricantibus piloais, squamis exlerioribus obtusis; ligulia apice ciliatis; stjlo siccimte fuliginoso. — *Broad dented Hewkhmg* Peliv. Brit. — *H. mtrorum* & Smith. — // *alpinum* P. Halleri Wimm. ft Grab. — if. *Halleri* Wimm.

p̄. *apiculalum*: caule foliato furcaio, rarais nrrectis; foliis vulgo angustforibus; capitulis duplo minoribus (magnitudinis // *murorum*). — ft *nigrescent* Willd. — *H. alpinum* var. *nigrescent* Wimm. ft Grab. — ft *apioulatum* (*hU'suium* et *glabrumj* Tausch. — Habitat in alpihus Europae mediae, praecipue in Gabcia.

88. f II. ATRATUM E. Fries I. c. png. 105. + — *Phyllopodum virens*: caule 1—3-folio mono—oligocephalo; foliis elliptico-oblongis pilosis aequaliter dentatis, basi attenuatis; pedunculis cano-floccosis involucrisque nigricantibus villosis glandulosoque-pilosis. squamis aequalibus acunūnatis; ligulia ciliatis; stylo fusco-bispidulo. — Monocephalum. — *H. nigrescent* wllfcand. — *H. fuliginosum* Anders.

P- *ramulosum*: caule sromonophyllo longiori, apice in pedunculos ramosre fitricos diviso; capitulis minoribus.

Y« *tenuē*: caule gracili 2—3-folio, foliis caulinis latis sessilibus, corymbo oligocephalo patente; capitulis tenuibus. Wimm. in lilt. — Habitat per arcticam zonam Scandinaviae borealis.

89. H. PORREqTDM B. Fries I. c. p. 106. t — *Phyllopodum viride*: oaule inferne paucifolio (1—jS), Miperne nudo in pedunculos 2—3 nrrecioa siiaplioes squatnosos bractea foliaoea, suffultoa di?lso; foliis Innceolntfs *aubtnlegerrimla* birsnlls, Imls in petLotam attenuates; involuero albo-hlrsuto, squamis cuspidotia; ligulis glabris; stylo luteo»faaescencte. — // *intermedium* Vest. — Habitat ad latera alplum Europae australis.

90. H. STELLIGERUM Frdl. — E. Fries I. c. p. 107. f — *Phyllopodum depilatum*: caule scapiformi unifolio. apice corymbifero oligocephalo; foliis tonge petiolatis ovatis lanceolatisve, utrinque floocis stellatis stipalis lepidoto-incaois. basi siauato-dentatis; involuero floccoso-cano pilis paucis glandutiferia interspersis, squanif porrectis, intimis ncuinotis; ligulis apice glabris; stylo e luteo-fuscescente. — *H. fMiit lonceolotit obiter dentatis cinereis* Vill. — Habitat in rupibus Occitaniae «t alpibua Pedemontanis.

- 91 H. MURORUM Linn. — E. Fries I. c. p. 108. f — *Phyllopodum*, laete vjrde: caule scapiforra subunifolio; foliis dislincte petiolatis simpliciter hirsutis, basi subinclso-dentatis; antbela discrete corymbosa, ramis arcuato-ascendentibus; involuero viridi nigro-glanduloso-piloso, squamis aculis, interioribus acuminatis; ligulis subglabris; stylo fusco-hispidulo; pappo albo. — *Auricula muris major* Trag. — *Pulmonaria Gal-Hca sen aurea* Tabern. — *Piloselfa major quibusdam, aliis Pulmonarea fiore luteo* J. Bauh. — *H. pellucidum* Wablenb. — *H. atrovirens* Fr5K

P- *syhaticum*: foliis membraaacea cocdaiaa, basl rairortum ineiso-den^ads, dentibus reversis Linn. — Arfmon. *GaUiem foemina* Tahaim.— *A nvuittum, bacMatum minus pilosum* G. Baub. —> *Pvlm. lutea* specie* magi* taoinioia i. Baulk*

Y- *dissectum*: foliis oblongis lanceolatisve, basi incisivis vel in lobos omnino discretos partitis. — In fornto anguetifoliis If. *oaesK* seaiper folia aequaliter dentata.

5. roiuuidafwn; Qaule apbyUo; folila cordato-rotundis integerrimis. — *A. rofundatum* Kitaib.

• *macrocephUim*: capitulis pauois (2—4) duplo majoribus; ligulis subdliatis. — Habitat in sylvis mootosis et oaeduis ad rupium pedes Europae totius.

- W. t H. MUR. PILOSISSIMUJT E. Fries I. cit. pa*. 110. t — *PtyHopodum albo-hiittiginosum*: oaule scapiformi subnudo, superne furcato subcorymbosove; foliis radioalfbus petiolatis ovatis, basi dentatia incisiva; pedunculis arcuatis cano-floccosis; involacris II.

nlbo-tomentosis, squamis omnibus cuspuatis, hgulis ciliatis, stylo luteo-fuscescenle
— *H. muiorum folio pilotissimo* C Bauli — // *ylvattct* vui Gounn — *H. muioium*
var. *ptloMstimum* Audi pr pan — // *Schmidlu* Sondei — Habitat in fl&suns lupium
Gnlliac incndionnlis, Hispnmac, Irlandnc

93 f II MLR INCISUM E Fries 1 ut pag 110 f — Phyllopodum pallestens subcaebium* coule scnpiformi subumfolio oligocphalo folns subcoi ddi& hiisulis, basi piofunde retrorsum vel paienli-deniaiis pedunculis mvoluciisque cano-floccosis cglanduloso-pilosis squamis longe cu&pidalis, ligulis subglabiis, pappo albo — *H. incisum* Hoppc — *H. bifidum* Schleich — // nmioium *Y incisum* Fnes — Habitat in legionibus alpinis a montanis, ciam in lupibus calcaieis Gothlandiac, insulae MOen etc

94. II PLUMBEUM E Fnes 1 cit pag 111. £ — Phyllopoduin, plumbeo-virens caule stopifornu subumfolio ai iecto-furiato, smsum floccis pilisque nlbis adperso. folus subovalis glabnusculis cilialis, basi profundo lctrojrsum vel palenti-denlatis, subtus floccoso-skllatis, iNvoluciis. nudis ill OVII idibus albo-pilosis, squamis cuspidate, ligulis apice glabeuimis siylo fuliginoto pappo sordide albo — *I'ulmonai ea Galhca totwuhfolia lacviov* Barr — // *muiorum* Y Willd — Habitat in convallibus alpinis Luropao forsan tolius

* * Typo // *vulgah* ((*opholepula* liol)

Caulis cenligue foliosus, at folus ad basin cauhs reductis, nudus apparet. Squamae involucln obtusae vel acutiusculae (quod in virgineis obserlandum^f) (lores Migineos cmeisos aequantes, incumbentes, nee longe cuspidalae floies vngineos supeiantes, ut in pnonbus. Folia basi attenuata, nee subcoidala ut in pnoium formis latifohis.

95 H CAESIUM E Fries 1 cit pag 112 f — PuUopodum caesio-glancescens (in umbrosis pallide vnens) caule urn—paucifolio, folus ovatis lanceolati>vc_t basi rotundatis vel atlenuatis profundius denlatis, maigine sublusque vulgo slellato-floccosis aidneobisve, pilosis, anthela discrela pntnrte, lamis strictis, mvolucio subgloboso cano-floccoso, squamis mcumbentibus subobtutis ligulis glabernmis <tlo e livido fuliginoso, prfppo sordido — // *muroi um folio minus piloso* Veter — *H. folus angusts* C Daub — *H. lalifohum hnsulum, folio umco caulem msidentc* Moris — *PulmonUiea maculosa htspida* Munting — *H. mm. folio minus piloso, maculato et ncn maculato* Tournel — // *muroium* Linn — // *vulgatum hligiosum* Wimm Be Grab

P *nemorum* polhde vinde sublutescens, folus tenuiobus, capitulisi venlncosis <ano-floccosis, immiztis pilis paucis apice luteolo-glandulosis — *H. muioium* Auett. vulgo — // *sylvahcum* Walli et *H. vulgatum* Floustr.

Y *bifidum* glaucescens, caule furcato (nudo vel foliato simplici vel lamosissimo), in\ohicns dense fannosis eglandulosis — // *bijidum* Kitaib — // *mcisum* Auett
' *H. Hypochaendis* caesium oljgo-et maciocephalura, foJjis kau& basi subtiuncatis. caule nado brachiato, pedunculis bifldi*. squamis latis obtutis — *U Iliipochaeridis* Bot Brit. rec. — Habitat per regiones monlanas Europae frequens

Sb II RAMOSUM Waldst & Kilaib PI rar Hungar 240 I 216. — E Fries I c 111 f — Phyllopodum vmde caule folioso simplici vel pntenti-ramoso, folus oblongis, radicalibus peliolaiis sinuato-den tails, anthela subconcligua pamculata, pedunculis involucroque virgmeo globoso pube floccosa densa pili&que albidis canescentibus, squamis oblusis. ligulis apice glabns, stjlo subluteo — // *profunde smnatum pubescens* G Bauhin — *H. hirsutum latifolium elatms ramosum poiyanthemum* Rny — Habitat in locis rupestnbus Hunganae, Geiraaniae, Helvetiae et Scandinaviac, at ranor species.

97 t H BURSAEFOLIUM E Fue^ 1 c p 115 f — Phyllopodum vindi-pallescens folus ladicalibus lingulatis, deoisum Ijrato-dentatis, caulims spaisis dimmutis sessihbus,

anthela potente larga corymboso-fasciculata; involuoro subgloboso floccoso - pubescente cano, squamis obtusis, intimis. acutjs; ligulis glabris; stylo sobluteo. — *JJ. Infidum? bursaefoUum* Frol. — Habitat in nlpibus Carinthine, montosis Norvegiae.

98. H. VULGATUM E. Fries I. c. p. 115. f — Phyllopodum subvirens: caule folioso simplici vel arrecto-ramoso; foliis lanceolmis oblongisve, medio dentatis, subtus floccis deslitutis, radicalibus subintegris in petiolum decurrentibus, caulinis summis omnibusve sessilibus; anthela subconcligua pnniculato - corymbosa arrecla involucrisquo virgineis cylindricis, cano -flocculosis, saepius nigro-glandulosis, squamis aequaliter attenuatis subacutis; stylo livoscente; pappo albo.

a. *Varictales angustifoliae subgnbrae*: foliis subtus saepe glaucescentibus. — // *vulg. genuinum!* — *Ptilmonarea Gallicn tenuifolia* Tabern. — *Piloscllae majoris s. Pulmonareae luteae species angustifolia* J. Bauh.— // *Pulmonarea dictum angustifolium* Vaill. — *U. maculatum* Smith. — Btygl. bot. tab. 2121. — // *angustifolium* Gin el. — // *thilmonarea* Wallr.

p. *praelongum*: caule procero strictissimo, foliis ad basin dense rosulatis, breviter petiolatis, caulinis numerosis (12—20) diminutis, omnibus sessilibus; involucris obsolete glandulosis. — *H. Merlini* Gmel.

Y« *medium*: caule simplici saepe flexuoso 4—6-folio, foliis oblongo-lanceolatis obtusiusculis plurimis petiolatis, radicalibus vulgo emarcidis; anthela magis corymbosa.

8. *junceum*: caule gracili filiformi stricto uni — oligocephalo; foliis radicalibus caulinisque paucis lineari-lanceolatis subintegerrimis. — Locis sterilibus *H. umbellati* facie.

b. *Varr. glaucellae subgiabrae ciliatae*: foliis subtus non hepatico-purpuroscen-tibus, ut tmm in var. *latifolia* quam *angustifolia* vulgo tinguntur.

OL. *anfractum*: glaucescens, caule fractiflexo, nunc multifolio ramoso, nunc simplici paucifolio. foliis anguste lanceolatis, crebre duplicato-serrato-dentatis; involucris vix glandulosis. — *H. vulgati ad ramosum* transitus. — Occurrunt specimina statura genuini, sed glaucescentia, inter hoc et sequ. media.

^ *ericcloTum*: gkiucescons, foliis lanceolatis, caulinis paucis saepe tategerrimis; involucris eglandulosis. — *It. protiferum* Hartm. — Singularis lusus, elatior ramosus, basi rhizomoidea elongata e loco in arena mobili, quod in nostns formis, praecipue *anfracta*, irt acervis formicarum, *elH.cacsio*, inter muscos nascentibus, frequens ratio, unde spurie aphyllopoda, rosulis stipitatis, ut in // *Italicis*.

c *Varr. latifoliae, magis minusve hirsutae virides*. — Vix propria species.

Y- *irriguum*: obscure viride-hirsutum, foliis oblongis, pedunculis involucroque nigricante nigro-hirsutis glanduliferisque. — *H. sylvaticum* Vill. —

§. *scsilifolium*: obscure virido. caule 3—4-folio, foliis lam radicalibus quam caulinis diminutis sessilibus, anthela patente, involucris nigro-glandulosis, squamis obtusis. Abnormis et rara forma.

e. *nemorosum*: laete virens. caule paucifolio. foliis oblongis dentatis, radioalibus paucis evanidisque, involucris simpliciter et rare pilosis, vix glanduliferis. — *ft. murorum* Ebrh. a. — (*J. nemorosum* Pers. — *H. sylvaticum* Fl. Dan. tab. 1113. -^ Engl. bot. tab. 2031. — if. *Lachenalii* Gmel.

£. *mlegrifolium*: saturate gramineo-virens. foliis nunc per caulem sparsis, nunc propo basin (caulinis tamen!) congestis. foliis omnibus oblongis integerrimis sessilibus, involucris-dense nigro-glandulosis.— // *succisae folio sylvaticum* Vill.— // *murorum* All. — *U. sylvaticum* Willd. — // *molle* E. Mcy. — Habitat per Europam fere omnem, Sibiriam el Americam maxime borealem.

99 FH FASTIGIATUM L Fries I cit pag 119 f — Vinde ph\llopodum'. caule folioso supeine aphylo in nraos elongaios fastigiatos dmsō folns in lobos oblinos divergenles sinuati* anthela longi nplnlla involucrisqut dense mgio glandulosis squamis atcnuatis acuiusculis, ligulis glabns, stjlo fuscscence — II viiqatum Gcili, et ex hot syn II Canadenst Fiol — Habilai? (in Amenta ' >sed AmuiLim>> ignotuml)

100 H AUSTRALL F Fries] cit pag 120 f - Hypopl\llopodum uude glnucumque caule ngido folioso folus triplinrvns hirsutis medio derualis, mferiorihus oblongis oblusis petiohitis mcdiis supeioribusque sessilibus suisum latescenlibus anthela lamosa basi foliosa pedunculis squamosis involucris pllidis nutli« glanduloso-scabns, bquamis adprtssis atienuiti? obtusuisculi", ligulis glabri* stjlo suhluloo pippo alho subflavescente — II caule fumo ngido stnato folus longis obtuw pei marginem denlibus inaequahbus leviter incms Rav — // t,ylvaticnm Aucl — II lanceolatum Frolich — Habitat in dumetis muns Enropae australis

101 H GOTIIIIFUM C Fries 1 cit pag 121 +—H\pophyrt6podum, obscure vinde caule ngido folioso, apice subcorjmboso eicctove-iamoso folus ovatis lanceolalisve, medio grosse dentatis, radicolibus bieviter peliolalis cimlinis sessilibus anthela contigua involucris nudis atrovirenlibus, siccis atus canna glnduloso-pilosis, squamis spinlitei imbncalis lalis plunmis obUisis npict glmbus <*tylo fusco hispidulo pappo eximio rufescnte — Maximum — // muroium pilosnm latijohum allissimum mtiff/Zorum Rupp — II muiurum it sabuudo mlc\medium Linn — // lamo&uin Wahlenb — // sylvalicum Wahl — // borcuhs vai latifolia Fries

P *pumtum* caule pumilo uni — oligocephlinlo, folus lanceolatis lineanbusvo — // nivalc Fidlich cl II taivujalum mvaU Fiol — Habitat in Suecia media et onentali numquam in Gbihinc occidentalis montibus et dumetis multis locis vulgarissimum, in Gemnia, l'olonia

N Slirps // *Hahci* E. Fries 1. c 123

Heiba vmdis, pilis simplicibus glamlulifensve, at haud maniftste plumosis Anlhela contigua, pedunculis omnibus infenonbusve folio sue buctui foliacea sullullis Imolucrum (\uljo nudum) feie simplex, squamis subunisenalibus vulco oblusis, exterioribus bre\ibus et paucis biacteatum. Stylus luleus, siccitate magis minusve fuscscens Achaema genuims pallida, sed in alpinis obscurora, fusca — Species genumae regiombus mediterraneis, praecipue Italiae, pnvae, nobihssimae et inter se distmcllissimae Subjungendae sunt quaedam alpinac, cbaractenbus datis respondentes Transitus ex his ad Acciptna.

102 II HUMILE Host — Larbr ft Hegeischw, Ic pi Helv t 2 — E Fries 1 r 123 f — Phyllopodum vinde ghnduloso-pubesccns sul)Mscō«um caule folulo llexuoso folus oblongo-ovalis, margmc subtusque pilosis mfenonbiis peliolalis, poslice profunde incisis runtintisve, summis sessilibus pedunculis paucis alanbus tmolucro nudo vindi (Tiilgo glanduloso) squamis subncqualibns obtusis ligulis apice glabus, achaenns badus — // *pumilum saxatde aspeium, rndicc praemoisa* etc spec III C Dauh. — *Pulmanauac Meat lacuitatae species* minoi J Uaub — II *pumilum* Jacqu Flor Austr tab. 189 — II *Jacquau* Vill Delph III 123 t 28

P *diffuswn* caespitosum, laxe diffusum caule flaccido submonophyllo furcalo, foliisiadicalibus dense rosulatis sublyralis, denuhus oblu«is, caulino dimmuto sublanceolato integro, pedunculis elongatis monoccephalia Iaxis, squamis aculis, stylo subluteo.

Y *nanum* caule nudo 1— 2-ccphalo, folus integns saepe albo-hirsulis (transitus ad *Audi yaloidea*, utique afflma), in\olucns siccitate nigucantibus, stylo fbscescente Gaud — U *mgrescens* Schleich — Habitat in rupibus et saxosis subalpinis Italiae et Europae australis totius

103. H. ITALICUM E. Fries 1. cit. pag. 124. f — Phyllopodum viride eglandolosum: caule folioso floccoso-pubescente paucifolio; foliis inferioribus rosulatis petiolatis ovatis noutis denticulatis ciliatis, caulinis sparsis sessilibus: anthela contigua, pedunculis elongatis cano-floccosis squamosis; involucro gracili vifidi, squamis subaequalibus oblusis; ligulis apice glabris; achaeniis pallidis; pappo albo. — *H. majus Pulmonareac Gallicae ovato folio acuto, caule folioso, rara lanugine* Cupan.

p. *primulaefolium*: >usillum, caule aphylo 1—2-cephalo, foliis inlegrissimis, margine subtusque pilosis, bracteis ovatis. — // *primulaefol.* Yiv. — Habitat in Italia.

104. H. CRINITUM Sibth. — E. Fries 1. cit. pag. 126. + — Phyllopodum viride, pilis longissimis albis crinitum: caule simplici supra basin rosulifero cano-floccoso; foliis rosularum longe petiolatis ovatis deotatis, utrinque pilosis, Caulinis In bracteas foliaceas reductis crinitis; anihela racemoso-corymbosa contigua, pedunculis! unfloris involucrique nudo viridi albo-pilosis; squamis subuniseriatis obtusis; ligulis apice glabris; achaeniis pallidis: pappo rufescente. — *Hier. myrtense, folio oviformi acuto Ipvitdr sinuato, Pilosellae lanugine* Cupan. — // *crinitum* Sibth. — *H. sylvaticum* Fiertolon. — // *compositum* a Monnier. — Habitat in rupestribus regionum man's Mediterranei.

105. H. SICULUM Guss. — E. Fries 1. cit. pag. 127. f — Phyllopodum viride eglandulosopilosum: caule simplici foliato villosa; foliis oblongo-lanceolatis deniatis ucinatis, utrinque pilosis, radicalibus petiolatis, caulinis sessilibus subamp'lexicaulibus; anthela racemosa oligocephala; pedunculis unifloris bractea subfoliacea brevioribus involucrique villosis; squamis acutis; ligulis apice ciliatis. — *Pulmonarea Gallica flore Hieracii* Lob. — *Andryala integrifolia* Uria. — *H. symphytifolium* Frfl.

(5. *nanum* Guss: caule digital! monophyllo. foliis radicalibus"breyiter petiolatis. — Habitat in umbrosis asperis montosis Siciliae.

¹⁰5a. f H. CHLOROSPERMUM Frfl. — E. Fries 1. cit. pag. 128. f — Phyllopodum; caulo erecto folioso paniculato basi villosulo; foliis membranaceis ciliatis deniatis, subtus glaucis subreticulatis, radicalibus ovatis acutis, caulinis sessilibus ovato-cordatis. acuminatis; pedunculis involucrique viridibus glabris; ligulis. . . ? adiaeniis pallidis. — Habitat in fruticetis Garinthiae.

106. H. DOVRENSE E. Fries 1. cit. pag. 128. + — Hypophyllopodum viridi-pallens: caulo simplici folioso apice in pedunculos paucos strictos 1 — oligocephalos cano-floccosos et nigro-glandulosos diviso; foliis oblongis lanceolatisve dentatis, radicalibus petiolatis minoribus marcescentibus, caulinis sessilibus, superioribus basi cordata semiamplexicaulibus; involucris nigricantibus pilosis, squamis lalis obtusis; ligulis ciliatis; achaeniis badio-fuscis. — // *fruticosum alpinum latifolium minus uno altei ove in summo flore* Ray. — // *amplexicauli accedens* Smith. — *H. boreale v. ? latifolium* Uyt. — "• *cydoniaefolium* Fries. — Habitat in alpinis Norvegiae totius.

¹⁰7. H. JURANUM E. Fries 1. cit. pag. 129. f — Phyllopodum, Joote virens: caule cJonto simplici dense folioso; foliis oblongis obtusis denticulatis pilosellis, inferioribus Petiolatis, caulinis basi ovata sessilibus; anthela contigua subcorymbosa, pedunculis involucrique cano-floccosis glandulosisque-hispidis; squamis interioribus obtusis; ligulis apice glabris; stylo fuliginoso. — *Hier. montanum loplomacrocaulon* Sberanl. — "• *molle* Lachenal. — // *cydoniaefolium* Frfl. — Habitat in sylvis alpinis Europae australioris.

Series IV. STENOTHECA E. Fries 1. cit. p. 132.

"fanovntio per rosulas in ultima stirpe per gemmas. Involucrum vulgo pauciflorum, squamis in duas series interruptas dispositis quasi duplex, exterius brevissimum, squamis paucis. Achaenia Jongiora gra-

cilia, in optime evolutis sursum manifeste attenuata. Pappus uniserialis. Plantae Extra-Europaeae, prima stirpe excepta", Americanae, reliquas geronlogaeas series repetentes, Pulmonareis maximo similes. // *Italica* involucri fabrica, licet incompleta, hic quoque accedunt.

0. Stirps *Tolpidiformis* DC. Prodr. VII. p. 218. — E. Fries 1. c.

Phyllopora. Capilula gracilia cylindrica pauciflora, involucri depilato, squamis extimis brevissimis, intimis elongatis linearibus acuminatis. Achaenia truncata, nee sursum allenuata. Species, habitu peregrino vel *H. staticifolii*, in montibus Africae australis vel Indiae orientalis obviae.

Offi. II. CAPENSE Linn. — E, Fries I. cit. pag. 218. f — Phylloporum: caule scapiformi sulcato, prope basin monophyllo dense hirsute supra medium (bracteis sterilibus) squamoso; foliis rosulatis oblongis lancolatisve denticulatis obtusis; pedunculis alternis strictis simplicibus; involucris gracilibus cano-floccosis, squamis linearibus elongatis acutissimis; ligulis pilosis; pappo albo. — *Crepis striata* Thunb. — *Picris striata* Spreng. — *Schmidia Capensis* Koich. — Habitat ad Caput bonae spei, in umbrosis inter *Leucadendra*.

109. II. MADAGASCARIENSE DC. — E. Fries 1. cit. pag. 133. f — Phylloporum: caule foliolo laevi glabro, apice ranoso; foliis rosulatis oblongis subintegerrimis obtusis glabris, caulinis sparsis linearibus; pedunculis elongatissquamosis; involucris cylindricis cano-floccosis, squamis linearibus acutissimis; pappo stramineo. — Habitat ad fossas in aridis Tananarion, insulae Madagascar.

110. II. "SILHETENSE DC. — E. Fries I. cit. + — Phylloporum macrorrhizum glabrum: caulibus caespitosis sulcato-angulatis, apice paniculato-corymbosis; foliis radicalibus utrinque acuminatis integerrimis, caulinis sparsis linearibus elongatis; involucro cylindrico 10—12-lloro; pappo albido. — *Hieracii species Ind. orient. unybellatis floribus, radice crassa et carnosa* Pluken. — *Prenanthes? Candolleana* Wallich. — Habitat in montibus Silhet Indiae orientalis.

P. Stirps *Pihsellaeformis* E. Fries I. c. 134.

Phyllopora. Capitula pauciflora quidem; at reliquorum minus gracilia, saepe oblonga, involucri piloso (exci. no. 115. & 116.) glanduliferis simplicibusve vestito. Squamae extimae paucae inaequales, intimae acutae. Achaenia brevia truncata, nee sursum attenuata. — Australis-Americana, habitu *Hlosellarum*, quarum antipoda; at achaeniis duplo saltem majoribus mox distincta.

111. H. LAGOPUS Don. — E. Fries 1. cit. pag. 134. + — Phyllo- et trichopodum glaucum* caule a basi ramoso fastigiato, infra folium caulinum hirsuto; foliis petiolatis lanceolatis glanduloso-denticulatis acutis. basi subcusquo hirsutissimis; pedunculis subfurchatis involucrisque cano-floccosis nigro-glandulosis; squamis acutis; achaeniis brevibus truncatis; pappo canescente. — Habitat in Nova Hispania.

112. II. STRIGOSUM Don. — E. Fries 1. cit. pag. 135. f — Phylloporum viride: caule simplici. inferne folioso piloso; foliis sessilibus lanceolatis denticulatis. ut pappo setoso-pilosis; anthera discreta subracemosa; pedunculis cano-noccosis involucrisque angustis, siccatat nigricantibus hispidis; squamis acutis; achaeniis brevibus truncatis; pappo albido. — // *hirsutum* Pav. — Habitat cum praecedente.

113. P. PEMIANUM E. Fries 1. cit. pag. 136. f - *Phyllopodum viriile*: caule folioso piloso; foliis late lanceolatis denticulatis, utrinque setoso-pilosis, inferioribus longe petiolatis; anthela subdiscrcla, ramis elongatis fastigiatis apice 2—3-cephalis involucrisque angustis cano-floccosis et nigro-glandulosis pilosis, squamis acutis; achaeniis brevibus truncatis; pappo albo - flavescente. — *Leontodon glandulosum* Pavon. — *Luchuparmyria* Peruanis. — Habitat in Peruvia circa Huanuco.
114. II. SEMIGLABRATUM Gommers. — E. Fries 1. cit. pag. 136. f — *Phyllopodum glaucescens*: caule inferne folioso hispido; foliis lanceolatis subintegerrimis, radicalibus spatulato-lanceolatis petiolatis hirsutis, caulinis lanceolatis acutis glabris; anthela paniculata; pedunculis involucroque cano-floccosis glanduloso-scorbis; achaeniis brevibus truncatis. — // *Commersonii* Monn. — Habitat in America meridionali circa Montevideo.
115. II. GLAUCIFOLIUM Poepp. — E. Fries I. cit. pag. 137. f — *Phyllopodum glaucum*: caule virguto-rimoso glabro, inferne folioso; foliis lanceolatis denticulatis acutis, utrinque scosis, junctis in petiolum attenuatis; anthela discreta thyrsoidea; pedunculis subsquamosis involucrisque cano-floccosis depilatis, sessilibus nigricantibus, squamis obtusis; achaeniis truncatis striatis, pappo rufescente. — Habitat in regione alpina Andium de Antuco (6—7000 ped.) in Chile australi.
- U6. H. CHILENSE Less. — E. Fries 1. c. p. 137. f — *Phyllopodum hispido-crinkum*: caule simplici folioso, pilis basi densissime crinitis sursum bifurcatis glanduliferis immixtis; foliis sessilibus rosulatis lanceolatis integerrimis acutis, caulinis pluribus diminutis; anthela corymbosa cano-floccosa; involucris paucifloris, squamis acuminalis. interioribus depilatis; achaeniis brevibus truncatis; pappo albo-lutescente. — Habitat in regno Ghilensi.
- *17. H. AVILAE II. B. Knth. Nov. gen. IV. 3. tab. 301. — E. Fries 1. c. 138. f — *Phyllopodum*: caule folioso, basi hirsutissimo; foliis subsessilibus lanceolatis grosse dentatis scosis, subtus canescentibus; anthela discreta paniculata, ramis patentibus pilosis-hispidis; involucris gracilibus paucifloris glabris, squamis acutis; achaeniis linearibus striatis; pappo fusciscente. — Habitat ad latera montis Avilae s. Silla de Caracas alt. 800 hexap.

0. Stirps // *Erianthi* E. Fries 1. c. 139.

Phyllopodum. Involucrum villosum, saepe lana densissima intertexta stuposo-lanatum. Ligulae paucae exiguae, raro exsertae. Achaenia jequalia, nee sursum attenuata. Aureolis Europaeis quodammodo respondentia, habitu laud Piloselloideo a superioribus, achaeniis a sequentibus [^]cile distincta; tam summa juga Americae centralis, quam occidentali-arcticas regiones inhabitantia, inter se valde diversa.

[^]S. H. NIVEOPAPPUM E. Fries I. c. pag. 139. f — *Phyllopodum*: caulo scapiformi subnudo cano-floccoso; foliis rosulatis obovatisve lanceolatisve obtusis; subtus pilis intricatis canescentibus; anthela subricephala; pedunculis enno-floccosis pilisque glanduliferis brevissimis adpersis; involucris hirsutis gracilibus. squamis acutis; achaeniis brevibus truncatis; pappo niveo. — Habitat in locis declivibus graminosis in summo Pico de Orizaba. 13000' alt. in Mexico.

¹¹⁹» H. GRACILE Hook. - E. Fries I. c. f — *Phyllopodum*: caule scapiformi submono-
phyllo pubescente; foliis petiolatis lanceolatis subintegerrimis glabris, caulino diminuto; anthela discreta racemosa oligocephalo cano-floccosa; involucris gracilibus cyathoidibus pilis elongatis subglandulosis nigris hirsutis. squamis acutis; achaeniis longioribus aequalibus. — Habitat in montibus elatioribus Americae boreali-occidentalis.

WO. H. TWSTE Chanms. — E. Fries 1. cit. pag. 140. f — Phyllopodum: caule simplici, inferne folio so hirsuto; foljis petiolalis obovato - oblongis subintegerrimis, caulinis sursum decrescentibus lanceolatis birsiuis; anihelm subcontigua racemosa apiceve conglomeratn; pedunculis capitulisque globosis lanoso-hirsutissimis; achaeniis basi atienuntis, npice iruncalis. — Habitat in locis aprici9 Americae borcalis.

121. H. THYRSOIDEUM E. Fries I. c. pag. 141. f — Spectabile phyllopodum: caule simplici elmo cavo foljoso folisque lanceolatis deniatis utrinque setoso - pilosis, radicalibus pctiolatis, caulinis sessilibus; thyrso discreto ovato-congesto cano - floccoso; involucris cylindricis, pilis nigris eglandulosis hirsuto, squamis linearibus obtusib; achaeniis brevihus truncatis; pappo rufescentie. — Habitat in pinelis altioribus (10—12000') in Pico de Orizaba regni Mexicani.

p. II. THYRSOIDEUM PLEBEJUM E. Fries 1. c. p. 142. f— Phyllopodum: caule scapiformi submonophyllo glabro; foliis lanceolatis oculis, pilis sparsis elongatis setosis; thyrso ramoso; involucris nigro-birsiflis; pappo rufescente. — // *Mexicanum* Lossing. — Habitat in monte Orizaba.

122. H. ERIANTHUM H. B. Knth. NOY. gen. IV. 3. tab. 302. — E. Fries 1. c. 142. + — Phyllopodum: radice obliqua tomentoso-comosa; caule simplici folioso folisque sessilibus lanceolatis denticulatis hirsulis; anthela coniigua conglomerate; capitulis globosis lana densissime intricato-compacta cana obvolutis, squamis obtusiusculis; achaeniis brevibus iruncatis; pappo fuscescenie. — Habitat in America meridionali.

123.* II. ALBIFLORUM Hook. — E. Fries 1. c. p. 143. f — Phyllopodum: caule simplici folioso, in fere deflexo-piloso; foliis late lanceolatis integerrimis hirsutis. inferioribus petiolalis, caulinis sessilibus decrescentibus; anthela distusa corymbosa subglabra; involucro gracili pilis sparsis albis hirsuto; ligulis albis; achaeniis linearibus.— Habitat in sylvis alpinis montium Rocky Mountains.

R. Stirps *Pulmonariaeformis* f. Fries 1. c. 143.

Phyllopora. Involucra cylindrica gracillima pauciflora, squamis eximie biserialibus, ciliis brevissimis. Achaenia elongata gracili» sursum magis minusve attenuata. // vulgata Europaea herba et vegetatione in Americae borealis parte temperata orientali ^cis Rocky mountains et in Mexico, eximie repraesentant, pinelis fere priva.

Corymbosa: ramis inferioribus longioribus.

124. II. JUNCEUM E. Fries 1. c. p. 144. f — Phyllopodum: caule Miformi stricto nudo ramoso glabro; foliis densissime rosulatis sessilibus obovalo-oblongis obtusis hirsutissimis; pedunculis involucrisque paucifloris cano-floccosis. squamis eximie paucis brevibus, inferioribus elongatis linearibus pilis raris glanduliferis; achaeniis elongatis gracillimis; pappo rufescente. — Habitat in pinelis regni Mexicani alt. 10000'.

125. II. VENOSUM Linn. — E. Fries 1. c. f — Phyllopodum- caule submonophyllo glabro; foliis rosulatis obovatis obtusis, in-petiolium brevem hirsutum attenuatis subintegerrimis ciliatis, venis sanguineis saepe variegatis; anthela discrete corymbosa floral glabra, ramis divergentibus arcuato - ascendentibus; involucris gracilibus glabris squamis obtusis; achaeniis gracilibus sursura leviter attenuatis; pappo albido; fruticos. latifolium, foliis punctis et venis sanguineis notatis Bannist. — *B. maritima perelegans* etc. Pluken. — *Slenotheca venosa* Monn.

P* *retusum*: minus, caule aphylo, foliis subsessilibus obovato-subrotundis hirsutissimis subtentibus glanduloso - denticulatis glabris. — II. *subnudum* ^ *retusum* Fr51.

Y> *subcaulescens*: cnule magis minusve folialo, foliis cnulinis ova to - Innceolatis .sessilibus subauiplexicaulibus Torr. *Be Gray*. — II. *Gronovii* Linn. — Habitat in pinetis solo sicco in Nova Anglia vulgarissimum

<6. H. CAROUNIANUM E. Fries 1. c. p. 145. f - Phyllopodum: coule sparsifolio, supra medium nudo glabro; foliis rpsulatis louge pctiolatis obovaio - oblongis integerrimis, supra enrinaque selulosis, caulinis sessilibus late lanceolatis sublus albo-floccosis; anihcla discrela paniculalo-corymbosa, ramis arrectis strictis elongutis involucrisque gracilibus glanduloso-hispidis, squamis linearibus aculis; achaeniis elongatis siirsum attenuatis; pappo albido. — Habitat in pinetis Carolinae.

¹27. []. CREPIOISPERMUM E. Fries I. cit. pag. 146. f — Pliyllopodum piloso-hispidum; caule simplici folioso; foliis sessilibus lanceolatis acutis deniatis hispidis; anhela subdiscrela folioloso-bracteata, ramis distamibus arcualo -ascendentibus, apice coryrabiferis cano - floccosis glanduliferoque-pilosis; involucri9 gracilibus mid is subglabris nigricaniibus; achneniis subulalis; pappo molli nivco. — *Crepis stenotheca* rectius forsan. — Habitat in piuelis regni Mexicani, 7000 ped. allis.

¹²«. II. ARGUTUM Null. - Wlprs. Rcpert. IF. 699. no. 6. — E. Fries I. c. 146. f — Pliyllopodum: caule inferne folialo piloso laevi; foliis oblongis Intevo lanceolatis acute inciso-denlaiis. caulinis paucis sessilibus; antbeh discrela divaricalo-pariiculala; pedunculis longis involucroque atro-virente nudis glabris; squamis fnforioribus subbisenalibus; achaeniis aequalibus; pappo grisco — Habitat ad St. Barbara Californiae.

t H. CALIFORNICUM DC. — E. Frios 1. c. p. 147. — Glabrum: caule oreclo folioso slrialo, apice paniculato, ramis monocephalis bracteolatis; foliis sessilibus lanceolalo - linearibus acuminaiis integris; involucri squamis linenribus iinbricalis; pappo (fragili) uniseriali albo. — In California.

* ' *Anhela thyrsoidea*, ramis inferioribus brevioribus.

¹²⁹ - II. MARIANUM Willd. — E. Fries 1. cit. pag. 147. + — Phyllopodum: coule simplici Paucifolio, inferne longe piloso; foliis utrinque subpilosis. radicalibus inferioribus yue obovatis peiiolatis, superioribus spnrsis ovalis sessilibus; anhela discrela race-naoso-corymbosa;]>cdunculis elongatis involucrisque gracilibus glanduloso-hispidis; ^achaeniis sursum allenuatis; pappo fulvescente. — // *marianum Pulm. gallicae foliio* Pluken. — n *elalius Marylandicum* Ray. — // *foliis radicalibus obverse ovatis* etc. Gronov — // *Gronovii* Torr. ft Gray. — *Stenotheca Mariana* Monn.

^P* *nudum*: caule monophyllo nudove. — *Stenotheca subnuda* Monn. — // *subnudum* FröL — Habitat in America boreal! a Canada ad Virginiam.

¹^ If. ABSCISSUM Less. — E. Frios 1. cit. pag. 148. f — Phyllopodum: caule gracili simplici, inferne folialo hirsuto; foliis subsessilibus lanceolatis acutis denticulatia cilia-^{II}^ caulinis semiamplexicaulicus, subtus glaucis; anhela discrela laxa thyrsoidea cano-floccosa; pedunculis brevibus involucrisque gracillimis tenue glanduloso-pilosis; achaeniis gracilibus curvulis; pappo albido. — Habitat in dumelis prope Jalappam ^{re}gni Mexicani.

¹³L H. COMATUM E. Fries I. cit. paff. 148. f — Phyllo- el eriopodum: caule inferne folioso hirsuiissiino, superne nudo glabro; foliis lanceolaiis 4lenticulau's, utrinque pilo- t's, radicalibus pciolaiis, caulinis sessilibus; thyrso discreto ex ovato laxo paniculato, .Pedunculis divaricato-ramosis cano-floccosis; involucris gracilibus, demum nudis, ⁸4uamis linearibus, obtusiusculis: achaeniis gracilibus sursum attenuatis; pappo sordide albo.

P- *irregulare*: caule gracili paucifolio, a medio in ramo*paucos elongatos di-^vso pnniculato, foliis angustioribus. — Habitat in pinetis Mexicanis oil. 7—8000 ped.

"•

qims minus \aill — *II Laipathicum* lies*. — *U Sudcticum* Steinb — *II j 11 nanlhoidis* if *cydoniaefol* Monn — // *cutoneijolium* 11 ol — *Hibitat in alpihus I uiopic austr-*
lious et sepienluonalis

111 **II PREINAM'HOIDLS** Vill |o| 58 Mb 3 lit, 3 — 1 ny| but lib Z|Z2 -I Flies
1 c 160 f — *Aplnllopodum cmlilulus.*> sunplicilu |ilos> folns sulnmpliciAiL-iuli
bus tordatis lanceolatisve «liatis subdenln uhlis suhlus icticuhis ghuu stciiibus
infcoiibus in pelioluin bisi nuicuhio mipleAii uiluii minimi* piduiiulis m\olu
ciisque intenupie imbticilis subfloicosis pilisque niijis ghmlulili us uidiqnc hispulis
squami* exuinia piius plunmi* aoqinlihn^ oliiuis liguli» cilni^ iclnciuiib iillidib
— // *montanum mail cotonci folu* Bon — // *Pjunamun allissnmm* clt Srlicuchz
— *II fuUicosum subhnsutum* /o/us llumbujims majus Vaill — *II joins oialo-lanuo-*
latib lantu dentatis, cauhs ample u uulibus Hill — // *spa alum* \11 Pedcm 218
tab Z7 Hx 13 — // *Kalmu* Sjm

P* *buplei ifolmm* caule simplici folioso folns* lais basi coidita jnjpltxiLaulibus
inteptirimis denticul itisve — *H bupleiuijuhim* rauscli — // *pufoliatnm* Fiol

Y *lanufnlntm* caule simplici folioso folus somiamplexitaubus ohlongis lan-
ceolatisvc nncqualitci irgulc dentilis — *Mini fnlns glucn*> Frol

(S *angustifolium* caule simplici (longnto *paiMfolio folus scininin))lexiciulibus
line in lanctolatis subintegeminis

£ *jHiucifohum* caule simplici pmcifo'io oli^ocplnlo folus sub^cNMILLJUN {PIU-
Icnm) Y) tJ Jiol — // *dnliculutum* Smith

? *lauugeium* c tule lauio&issinio pilcnlissimo den c folioso lamis *divergenti-*
bus fohobis ioln^ I ilioubus dnguslioiil>us\ t a basi ampltxcauli ul apicem itqmlitii
iltciiu iiii> — * *Idem humile* tcnoinnum hypophyllopodum, a *bisi rmosis sumum*
cipululis paucillons giacillimis — *II pan inn, cauluuht, lenmsswus lamosis flosculis*
mtnimis Na\ — *Habitat per alpes I uiopae totius et Asiae septentualis*

112 **II IYCOPIFOLIUM** Fiol — I Fnes 1 cit pag 163 f — *Aphjllpodum* viude
caule loho^o hiisuto suptrnc \ tnicuhto, loins amplexicoulibus tnplimiviis o\alis
id medium mtiso - dentatis, inQmis oblon, is bnsi simplicilci attenmtis anlhch basi
foliosa pedunculis involucnsqnc bisi flotcosis glanduloso-pilosis squamis multisena-
libus surNUin glabns Iigulis ciliatis achacnus p dldis — *II luilno^inn folio lato*
dintato, sublut> ylauio, ovanis i ufsicntibus Vaill — *H sylvatiwm* Auclt — *H Sa-*
baudum kybudum Gaud — *II preitaiikoidib* Doll — *II bouulc* Kitttl — *Habitat in*
icgiombus subalpims Europac mediae

* * *Aihaenns fusco-atns* *Hiyulis el umbellalis* waj/is, *quam puieced affmts*

143 **II STRICTUM** I Fries 1 cit 164 f — *Aplnllopodum* ciule ta\o ngido folioso
ex illis nmoso lamisque aph^llis striclis folus oblongis lanceolatis denliculalis, basi
nngubtala subnmplicaulibus, sublus implincrvibus subrelicuhlis glaucis pedunculis
ciiio floccosis involuciis nigcnntibus tenue ghnduloso-pilosis squama mtimib ob-
tusis Iigulis tilntis ichaenns fusco-atns — *U caule folioso, folus ampleuiiulibus*
010(0 *lanceolatis* etc Hall — *H cydomaefolium* Willd — *II cotoneijnlium* Hoi I Lund

P *gianululum* ehuiis caule lolnsqnc lotund no nmplexiciulibus lati* oblongis.
siiblub ghnduloso scabn^ Citpitulis mujonbus — ? *U pienanllwides* Smith, Lngl
bot t ib 2335 — *U denluulutum* Monn

Y *sti iclissimum* foliis mgiistioiibub lanceol Uis ba>i anguslaln scmiamplexicaul-
libus sublus laevibjis capitulis inmoil us — // *stnctissimum* Irol — *Habitat in*
regiombus alpinis Euiopac mediae el boiealis

- 144 II HIRSUTUM Bernh — E tries 1 cit pag 166 f — *Aphyllon* Hopodum vnde coule fulioto ex ilis pimculaio - nmoso nmisque clongitis foliosis hirsutU folns ovotis aemidnipLxiLdulihii* pauudnt in*, s ul mi a moip,meque hirsutis, pedunculis squamosis cano-floccosis IIIYOUCII&IUI enno husuti* squimis extimis lincanbus sublaxis, intimis obtusis ligulib obsolete ciliatis achaemis fu&co-atns — // *Canadense fruticosum Imstr/m* Sanac — // *Sabaudum Canadense* Hoi1 Bolan — II *denliudalum y hu&ulum* Monn — Habitat in Canada
- 145 (I LLATLJM E Fues 1 c pag 167 -f — *Aphyllon* Hopodum ciulo folioso husuto simplici folns amplexicaulibus oatis argule inu^is tuplinemis supra glibus, sublus glaucib husulis, inferionbus poslice aequalilei angustatis anthela foliosa subcorym-)O>i involucii>que pilosis, squamis obtusis ndpiessis albo -marginalis, ligulis obsolete ciliais atbaenns e fusco all is — II *p do sum, Cma folio* Cupan — *H teunthoides dentaluni* Gouau — *H elongatum* Lapew — // p» *enanthodes v juianum* Giud — // *Scluaden* Hook Bot recent |n| hn&>ulior prion analoga — Habitat in regiombus alpinis L uiopae mediae

X Stirps II *tridentati* E Fries 1 c. 168

Caules foliosi aphyllopodi gemrnifen, inteidum \ero axi haud clongato pseudophyllopori. Folia tnplinervia, medio praecjpue dentata, dcnlibus Milao utnnque (nbus piimanis, infenora petiolata, reliqua basi obtusa \el acuta sessihd, ncc amplexicaulia In\olucrum magis nunusve multibciiale spnaliter lmbiicalum, squamis indorsum deciescentibus, iitimis acuminads Ligulae apice plabrae — Fei legiones montanas cl campestie^, praccipue huropae boieahs abundant, aeslivaha, optime Hoient nitrisce Juln.

- 146 II HISPIDUM Foisk — E Files 1 tit pv 168 f — *Aphyllon* Hopodum, pilis bulbosis ilbis lmsulum caule folioso, folns Innteohtis dcnliculali!> sessilibus inflmis petiolads intbela loliosa oligocephala, peduntulis squamosis cano - floccosis imolucnsque nigu-canlibus. cghnduloso - lnspidis, squamis poireclis aculis ligulis glabus, stylo (sicco) fuligineo — II *Fuiskahln* Frol

P. minus caule simplici — Ihlntat in Iliracia ad Rosporum

- 147 H INORVbGICUM L Fries 1 c p 169 f — *Aphyllon* Hopodum glaucum seloso-hispidum glnbiatum\c caule ngido folioso folns lanceolate oblongisve ciliais sessilibus jnfluiis subpetiolaiis amhela aphylla cano - floccosa subcoijmbosa in\olucro ventricososo birlo, squdmis*intimis poireclis acuminatis, margine pallidis ligulis styloque per&istentoi lulco glabns — Habitat m monlibus et clivii apricts Norvegiae australions
- 148 II LAPPOIMCUM V Fries 1 c p 170 f— *Aphyllon* Hopodum caule paucirolio. superne in peduritulos ptucos clongalos glabros monocephalos folio suiTultos dniio folns angible hnceolatis oedio dentatis, inflmis putiolatis mvolucns cano - llotcosis depilatis viudibus, squamis adpiessis* sursum allenuatis, imimis acutis ligul s apice glabns sl\lo luleo pappo eximie albo —² // *Ledebounc* Frol — H /uesu vai *virens* Hartm — Habitat in locis giaminosis Lnpponiae Toinensls
- II'J H TRIDENTATUM E Fnes I c p 171 f — *Aphyllon* Hopodum caule subcano folioso stneto folns Inferionbus oblongis petiolati-, reliquis hnceohtis sessilibus inedio paucidentntis nntliela sulnphjlln corymbose cietta pedunculis clongatis flifounibus involucnsque defloialib medio constiictib cai\o - Hot costs bie\iterque piloMb squamis icutis ponectis maigmo pillidis siylo fusio-hi>pidulo pappo albido — II *fiutcosum hnsultm, folns longionbus el larioubus* \iill — II (*ruliumnn* *(rit((«6i»uy folio Rupp

132. II. LONGIPILUM Torr. — Wlprs. Repert. VI. 363. no. 6. — E. Fries. I. c. 149. f — Pbyllopodum, dense longeque setosum: caule elato rigido inferne folioso, sursum glabrato; foliis omnibus conformibus sessilibus lanceolatis integerrimis; thyrso discreto longissimo angusto leviter cano-floccoso; pedunculis brevissimis involucrisque glanduloso-pilosis; squamis oblusis margine pallidis; achaeniis gracilibus subattenuatis; pappo fulvescens. — *H. barbutum* Nutt. — Habitat in pratis et sylvis apricis Americae borealis.
133. H. PENNSYLVANICUM E. Fries 1. cit. pag. 150. f — Aphylllopodum: caule simplici hirsute medio folioso; foliis oblusis denticulatis setoso-pilosis, inferioribus obovatis peliolatis, reliquis pvalibus sessilibus; thyrso longissimo aphylo coarctato, ramis virgatis brevissimis divaricatis involucrisque gracilibus paucifloris dense glanduloso-pilosis; achaeniis elongatis sursum attenuatis. — *H. villosum Americanum* Plum. — *H. floribus in summis caulibus et ramulis confertis et velut spicalis* Ray. — *H. Seouleri e Pennsylvania* Hook. — *H. Gronovii* y. Torr. fit Gr. — Wlprs. Repert. VI. 364. no. 12. — Habitat in Pennsylvania et australioribus Americae foed. civitatibus.

S. Stirps *Accipitrinella* E. Fries I. c. 151.

Aphyllloporia. Involucra mine multilora, mine gracilia praecedentis stirpis. a qua constanter tantum differunt achaeniis brevioribus, nee sursum attenuates. Species caelerum inter se diversissimae et vix rite affines, in remotissimis Americae borealis regionibus obviae, at omnes serotinae.

134. If. SCOULERI Hook. - Wlprs. Repert. VI. 364. no. 9. — E. Fries I. c. 151. f - Pseudo-phylllopodum, pilis rigidis divergentibus fuscis hispidum: caule rigido sparsifolio; foliis corinceis subsessilibus late lanceolatis subintegerrimis acutis; panicula laxa; pedunculis erectis ramosis involucrisque cylindricis fusco-pubescentibus, immixtis vulgo pilis glanduliferis; achaeniis columnaribus truncatis. — Habitat in America boreali ad Oregon (lumen).
135. II. SCABRUM Michx. — E. Fries 1. cit. pag. 152. f — Aphylllopodum: caule firmo rigido hirsuto-scabro. undique folioso, ex alis superioribus ramoso; foliis inferioribus in petiolum attenuatis oblongis, reliquis ovatis sessilibus hirsulis; anthela contigua cano-floccosa, demum corymbosa involucrisque tumidis multifloris glanduloso-pilosis, squamis oblusis apice glabris; achaeniis brevibus truncatis. — *H. Gronovii* (?). Hook.
 ^ *virgatum* : ramis virgatis patentibus aphyllis polycephalis eximie thyrsoides. — *if. virgatum* Pursh. — *H. fasciculatum* Torrey. — Habitat in America boreali.
136. H. ANTHURUM E. Fries 1. cit. pag. 153. f — Aphylllopodum?: caule elongato folioso hirsuto; foliis linearibus, infimis in petiolum attenuatis, superioribus sessilibus dimi- nutis integerrimis, ex alis ramos breves racemiferos aphyllis exsertentibus; pedunculis cano-hirsulis; involucris villo nigro glandulifero hirsulissimis; achaeniis minutis aequalibus; pappo lufescente. — Habitat in pinetis Mexicanis altioribus (12000').
137. II. PANICULATUM Linn. — E. Fries I. cit. pag. 154. f — Longe aphylllopodum : caule dense folioso. inferne mollior piloso, superne divergenti-ramoso; foliis inferioribus oblongis in petiolum attenuatis, summis sessilibus lanceolatis integerrimis; anthela ex alis foliorum paniculata; pedunculis elongatis capillaribus, apice squamosis, involucrisque gracillimis paucifloris glabris; achaeniis brevioribus aequalibus; pappo rufescente. — *H. fruticosum angustifolium Marylandicum* Ray. — *H. paniculatum* Linn. — Habitat in Canada et civitatibus borealibus Americae.

Series V. *ACCIPITIUNA* E. Fries 1. c. 155.

Innovatio per gemmas clausas. Caulis rigidus, semper foliosus, folia inferiora ante superiora (haud petiolata) marcescentia. Involucrum con-

lignum, vulgo distincte multiseriale, squamis spiraliter dispositis. Achaenia mediocria, sursum iruncata (nee atlemiata), radiis pappi inaequalibus. Species vulgo elatiores foliosae subserotinae, anthela conligua subfoliata.

T. Stirps *Intybacea* sive *H. albidum* E. Fries 1. c. 155.

Herb a glanduloso-viscida. Caules undique dense foliosi, foliis omnibus conformibus sessilibus subamplexicaulibus. Squamae proprie uniseriales aequales obtusae, at subfoliaceis involucratae. Ligulae glabrae. Achaenia fusca. Unica species, humilis, in alpibus Europae mediae et Pyrenaeorum.

138. *H. ALBIDUM* Vill. Delphin. m. 133. tab. 31. — E. Fries 1. c. 156. f — Hypophyllopodum glanduloso-viscidum viride: caule firmo dense folioso mono—oligocephalo; foliis conformibus sessilibus lanceolato-elongatis grosse dentatis; pedunculis monocephalis lurido-hirsutis; involucris amplis saepe foliaceo-obvallatis, squamis obiusis ciliatis; ligulis glabris ochroleucis. — *H. alpinum*, folio aculo molli lanuginoso dentato Plant. Ours. — *H. hirsutum*, folio integro flavicante, circa margines dentato monanthis, flore maximo Ray. — *H. intybaceum*, flore magno albido Scheuchz. — *Leontodon hispidum* Vand. — *H. intybaceum* Jacq. App. Austr. tab. 43. — *Lepicaune intybacea* Lapeyr. — Habitat in alpibus Europae mediae.

U. Stirps *H. prenanthoides* E. Fries 1. c. 157.

Caules foliosi, sub anthesi aphyllipodi; foliis subamplexicaulibus, infimis petiolatis. Involucra squamae exteriores varie imbricatae, interiores, verticillatae obtusae, excepto no. 140. Ligulae ciliatae. — Species alpinae vel subalpinae, per omnem Europam et Asiam adjacentem obviae, in America boreali vero deficientes, elatiores, at minus rigidae.

* *Achaeniis testaceis pallidisve.*

139. *H. PICROIDES* Gaud. — E. Fries 1. cit. pag. 157. f — Aphyllipodium glanduloso-pilosum viscidum, viride: caule folioso; foliis e basi cordata amplexicauli obovato-acuminatis, infimis oblongis inferne aequaliter attenuatis; pedunculis involucrisque pilosis nigroglandulosus; squamis exterioribus paucis, intimis obtusissimis; ligulis apice ciliatis; stylo fusco-hispidulo; achaeniis lenticulis. —

p. *ochroleucum*; caule simplici apice corymbifero; foliis oblongis denudatis; ligulis pallidis. — // *alpestre pilosum*, longioribus foliis, flore pallido. Tit. — *H. lanceolatum* Schleich. — // *ochroleucum* Schleich. — *H. Sieberi* Tausch.

y. *ramosissimum*: caule scabro, sursum divergent!-ramoso subpaniculato; foliis cordatis grosse et argute dentatis; involucris nigrescentibus. — *H. picroides* Vill. Voy. 22. tab. 1. fig. 3. — *H. amplexicaule* M. Bieb. — *H. Sabaudum* Ledeb. — Habitat in alpibus Europae australioris.

140. *H. CYDONIAEFOLIUM* Vill. — E. Fries 1. cit. pag. 159. f — Aphyllipodium glanduloso-pilosum viride: caule folioso, superne in ramos foliosos patentes corymbosus diviso; foliis oblongis, inferioribus petiolatis, summis semiamplexicaulibus; anthela foliosa involucroque ventricoso cano-floccosis pilisque apice canescentibus glanduliferisque hirsutis, squamis obiusiusculis, intimis acuminatis; ligulis ciliatis; achaeniis rufescentibus. — // *montanum matricariae folio* Bocc. — // *alpinum fruticosum subhirsutum*, *Perfoliatae longifoliae foliis etc* Michel. — // *fruticosum subhirsutum*, foliis Plumba-

yini minus* >aill — *II taipulhicum* Hess — *II budiluum* Sleinb — // *punanlhoides* it. *cydomatfol* Monn. — // *cotoncifalium* tiol — Habitat in alpibus Luiopac ausli-
lious et sepienlnonalis

111 II PIU^ANMOIDLS Vill Voy 5S lib 3 In, 3 — Lnfel but lib 2122 -L Flies
I c ibO f — Aplnllpodum cauli iuliuso sunplicilet pdoso folns subampLUtauli-
bus cordalis lnnceolalisve i liatis subdenK uhli*, subtle lotitulalis ghiitt scenlibis
infuioubus in petiolum basi auiculalo - amplexii iikni ailenualis ptdiucul^ unolu-
ciisque mtcirupte imbucatis subHotcosis |>ih>t|uc IJp'NS glandulili iuu indiqiuu hispithb,
S[uami>> exlimts pauu* pluumia aoqinlibu<> ohiusi> ligulis Lilians, neliaeiuis p illidis
— // *montanum mail colonel folio* Bou — // *Pijunuum allissmiuni* CIL ScbcuLh^
— // *fiutico'sum subhnsulum folns Plumbajinib majus* Will — // *folns oialo-lancco-*
*lalis lanfci dcnlalis, caulims ample tuulibiu** Hall — // *spitalum* All Pedcm 218.
tab 27 fig 13 — // *Kalmu* Sjm

p. *bupletnifolium* Laule simpliLi folio&o folns lais basi coidata amplexiLaulibus
iitegeiumis dentiLulatisve — // *bupkmifolunn* TdUSLi — // *pcifolialnm* Fi 01

Y *lantifnhum* caule simpliLi folioso folns spmiamplexitauihus oblongis lan-
Leolatisve innceolalitei aigutc dentalit> — *Idem folns glucis* Frol

ft. *amiuslifolnim* caule simplici elongate apaiMlolio, folus seiuiQinplexiLaulibus
Jim ai i - laiiLi'olatis MibmlegLi i imrs

& *paucifohum* caule simplici paiuifo'io nligocephalo, foliD subse-silibus (*Pro-*
tcum) f) ^ Ffol — *II dtntcululum* Smith

c. *lamignim* caule lauio&issimo palcnlissimo den-c folioso. lamis ili|rigonti-
bus fohobis loins hlionbus angusdoiibusve a basi ampltxicauli ad apicem acqutliti-
alteiiualis — * *Idem* bumile tenoniinum hypoph^llopodum, a basi lamosissimum
c.ipilulis pautillons giacillimis — // *panum, cauhcuh lenmssimn uimosn, flustulu,*
muumis Ha} — Habitat per alpes Luiopac totius el Abiae septentualis.

112 II LYCOPIFOLIUM Fiol — L. Fucs I cit pag. 163 f — Apbyllopoduin viude
coule toliuio hiis.ulo supurne pmiculalo; fuliib amploxicaulibus iriplmiMvns ovatis
ad medium inciso - dtnlalis, mflmis obloii(is basi simplicilei atlemnlis, anthela ba&i
foliosa, pedunculib mvolucnsque bi*i fioocosis glanduloso-pilo2>is, squamis multisena-
hbus sursuni glabns, ligulis cihali> acbaenns p dlidib — *II juitiLo^mn, folio lulo*
dtlatu, sublus fjlauco, ovains uifLstcnlibus Vaill — 7/ *sylvatitum* Auclt — // *6a-*
baudum hybtidum Gaud — *II prenanlhoidcb* Dull — // *bouulc* Killul. — Habital m
legiumbus subolpims Luropac mediae

• * *Aihaenns liisio-aliis Iliynlis ct umbtllatis Miayi', quam puiccccd af(inc*

113 II STRIGTUM I Fries 1 tit. 164 -f — Apbjllopodum caule tavo ugido folioso,
ex alis lainoso lomisque aph)llis slnclis, folns oblongis lanceolaiis deniirulaliM, basi
angustnla siibnmplicicaulibus, subtus Implmervibus subreticulalis glaucis, pedunculis
tnno-lloccosis uivolucis nigncnlibut> tenue glanduloso-pilosis, squainib inlimis ob-
tusiis ligulis Lilians, achaeniis fusto-atns — // *caule fahoso, folns ampleutauihub*
ovato-lanceulatis etc Hall — //• *cydoniacfolium* Willd — //• *cutoneifolium* Hoi I Lund

(i *Qianulutum* claims, caule toliisqne lolundalo-ninplexiinhbus latis> oblongis,
sublus glanduloso-stabus, cil|>ilulis majonbus — f *II pttnanthoides* Smith, tngl
bot tnb 2335 — *II denluulutum* Monn

Y *stnitissimum* folus> angustioiibiii lantcolalis, basi anguslala semiamplexiedu-
libus, -ubius laevihjis, capjiulii iniuioubus — // *slnctissimum* Frol. — Habili ni
regiornbus alpmis Euiopae mediae el boiealis

- 144 i(HIRSUTUM Btrnh — E tries I cit pag 166 f - Aphyllpodum vmde coule folioso ex illis paniculdo - rmoso nmsique clongttis foliosis hirsute folns ovahs ^tmidniptxcailihu!) paucidnt His sublua niai, meque Iirsulis, pedtmculis squomosis cano-floccosis involucis que Lino husutis srjmnis extnnis Imcanbus sublaxis, intimis obtusis, ligulib obsolete dliati* achaenns fusco-atus — *U tanadense fruUcosum hii-sutum Snnac* — // *Sabaudum Canadenst* Hoit Boian — // *dentuulatum* Y fcit 6#fint Monn — Habitat in Canada
- 145 II LLATIM E Fues 1 c pug 167 -f — Aphyllpodum cmlo folioso husuto simplici folns diijitlexitnulis oatis argute mu^is tuplinemis supra glnbus, sublus glaucib husutis, inferioribus police aequuliei angustalis anthela foliosn subcorymboiti involucii&que pilosis, squaams oblusis adpiessis allio - mnrinalis, ligulis obsolete ciliatis athainus c fusco all is — *II pilosum, Cnm folio* Cupan — *H ceunthoidts dtnlaluni* Goïian — *II dongatum* Lapeu — *II pitnanthotdes v juianum* Giud — // *Sciudadiri* Hook Dot recent \ai hiiisuior prion analoga — Habitat in regiomhus alpirus 1 uiopac mediae

X Stirps li tndentati E Fues 1 c 168

Caules fohosi aphyllopodi gemrnifen, inteidum vero a|i haud clongato pseudophyllopori. Folia tiiphnervia, medio praecipue dentata, dentibus |||zo uturique (nbus pnmanis, infenoia petiolata, reliqua basi obtusa \el a cut a sessiljd, ntc amplexjcauhd In(o)utrum magis minusve inullibciidle spnalitei imbucalum, squamis intiorsum deciescentibus, mtimis jcuminatis Ligulae apicc plabrae — Fei legiones montanas U camptsties puccipue Kuropae boicalls abundant, aestivaha, optime loicnt niusc Juln.

- 116 II HISPIDUM Foisk — E Files 1 tit pig 168. + — Aphyllpodum. pilis bulbosis (Ibis bnsutum caule folioso, folns Innceolntis denticulnljs sessilibus infimis petiolatis mtbela ioliosd oligocephah, peduntulis squamosis cauo - floccosis in\olucnsque nigu-cantibub cghnduloso-bispidis, squarais poirreclis aculis. ligulis glabus, sljlo (sicco) fuligineo — // *Fmskahlw* Frol

^ minus cnule simpliti — Habiuu in Ihracia ad Rosporum

- U7 II ISORVLGICUM L Fries 1 c p 169 f — Aphyllpodum glaucum setoso-hispidum glnbialum\ t caule ngido folioso folns lanceohtis oblongisve ciliatis sessilibus, infimis biibpetiol uis tmlu la aphylla enno - floccosa subcoijmbosa imolucro ventucoso biilo squumis *intimis ponccia acuminotis maigino pilhdis ligulis styloquu per^istntn lutco glabus — Habitat in monlibu* et divis» apncis Norveginе australions

- 148 II LAIPOMCUM V Fries I c p 170 f — Aphyllpodum caule paucifolio, superne ut peduncufos piucoa dongilos glabros monocephalos folio suffiiltos di\iso folns angii^le hnccohlis medio dentalis, mllmis pttiolatis involucris cano - llotcosis depilatis vmdibus, squamis adpiessio siirsum atlcunntis, ihlimis acutis ligul s apice glabns stjlo luleo pappo eximie olbo — ? // *Lcdclwuue* Fiol — *M lutsn vai virens* Harim — Habitat in locis giaminosis Lappomae Toincnsls

- UJ H TRIDhMATUM L Fues I c p 171 f — Aphyllpodum cnule nubcino folioso stricto, foil is inferioribus oblongis petiolatis, rcliquis Innceolntis sessilibus inodio pnu-cidentatis, mntbeln sulnphjlln corjmbosa cietla peduncuhs elong.uis flilfoi inibus in^olucnsque delloiat^ inedio constricts caïo - floccosis bic\iterque pilose squamis Ttutis ponectis maigmo pnllulis stylo fu^co-hi»pidulo pappo albido — *II fullicosum hnsulum, folus longwnbus et lanonbus* Vmll — // *jruhutum t, truli* wno folio* Rupf

— *H. sylvaticum* Plurim Auct. — *H. laevigatum* Willd. — *H. ambiguum* Schleich. — *H. rigidum* Hartm. pr. p. var. P-

(J. *firmum*: aphyllopodium viride: caule humiliore robusto cavo, apice corymboso-ramosissimum; foliis firmis maxime variis grosse dentatis; squamis porrectis variegatis.

y. *laevigatum*: aphyllopodium glaucum: caule stricto foliisque lineari-lanceolatis linearibusque rigidis glabris, dentibus paucis vulgo elongatis. — // *frul. angustissimo incano folio* Hort. Balav. — *H. Kaltii* Hort. — *H. paniculatum* Hort. Lund. — *H. centophyllum* Desf. — *U. laevigatum* Fröhl.

5. *asperum*: hypophyllopodum: caule farcto rigido subflexuoso hirtum scaberri-
moquo saepe ramoso-paniculato; foliis coriaceis subundulatis glaucescentibus sursum
latescentibus grosse duplicato-dentatis subincisis — // *ambiguum* Schult. — *H.*
asperum Schleich. — *H. hirtum* Fröhl. — Habitat per omnem facile Europam.

150. *H. RIGIDUM* Hartm. — E. Fries 1. cit. pag. 173. f — Aphyllopodium viride: caule
solido rigido folioso, apice paniculato-ramoso; foliis sessilibus lanceolatis triplinerviis,
medio dentalis, infirmis conformibus subpetiolatis; involucri obtuso multiseriali floccis
canis fugacibus pilisque nigris glanduliferis adperso, defloratio sursum attenuato,
squamis incumbentibus lanceolatis subobtusis undique viridibus, stylo fusco-hispidulo,
siccato fuliginoso. — *H. rectum rigidum, foliis longis angustis, dentibus paucis utrinque
evstantibus* Ray. — // *caule continue folioso, foliis acuminatis firmis dentatis* Hen. —
H. Sabaudum Leche. — // *sylvaticum y. rigidum* Wahl. — *H. boreale* var. Fries. — *H.*
affine Tausch. — *H. lanceolatum* Tausch.

P. ? *pullum (subgothicum)*: gracilius, baud lactescens: involucri nudis alroviridi-
bus, siccitate nigricantibus, squamis exterioribus latioribus, carina glanduloso-pilosis
glabrisve, intimis acutis.

y. *laevigatum*: firmum subramosum: involucri primitus cano-flocculosis viridibus,
siccitate nigricantibus, squamis latioribus plurimis obtusis eglandulosis. — *H. laeviga-
tum* Rchb. — // *Friesii* Hartmann.

8. *microcephalum (H. microcephalum* Willd. Hort. Berol. t. 16.): caule tenui
flexuoso foliisque rigidis; anthela saepe paniculato-ramosa foliosa albido-pilosa; capitu-
lis minutis viridi-fuscescentibus squarrosulis, squamis obtusis. — Habitat in collibus
Europae mediae et borealis.

151. *H. AESTIVUM* E. Fries 1. cit. pag. 176. f — Aphyllopodium: caule dense folioso
stricto: foliis COD form i bus sublinearibus, medio dentalis, basi angustata sessilibus, ner-
vis sublus emersis laxe anastomosantibus; anthela basi foliosa corymbosa pinnicriate
cano-floccosa eglanduloso-pilosa; involucri basi attenuatis albo-pilosis, squamis infi-
rmis acutis laxis, reliquis compressis obtusis, margine pallidis; ligulis glabris; stylo
luteo glabro. — *H. rigidum* y. Blytt. — Habitat in dumetis ad ripas Huviorum in con-
vullibus alpinis Norvegiae.

Y. Stirps *H. umbellati* E. Fries 1. c. 177.

• Aphyllopoda gemmifera: caule rigido folioso. Folia omnia conformia
sessilia, plerisque amplexicaulia, medio denata. Anthela contigua
foliosa, pedunculis subsquamosis. Involucrum nudum, distincte multi-
seriale, deorsum decrescens, squamis exterioribus angustioribus vulgo
squarrosis laxisve, intimis latioribus verticillatis obtusissimis incum-
bentibus. Ligulae glabrae* Stirps per omnem *Hierac.* genuinorum
regionem dispersa, at p lurimae species montanae et in zona arctica

centrum suum habent, aestatis fine florent. — A stirpe praecedente, saepe confusa, notis datis conspicue differunt.

152. II. UMBELLATUM Linn. — FloV. Danic. lab. 680. — Curt. Fl. Lond. tab. 58. — Engl. bot. tab. 1771. — E. Fries 1. c. 177. f — Aphyllopodum: caule dense folioso; foliis conformibus. basi angustata sessilibus linearibus oblongis vti medio subdentatis, subtus nervis prominulis laxe anastomosantibus; anthela foliosa. eglandulosa; involucris e basi lurbinata ovatis, siccitate nigricantibus, squamis unictfloribus subacutis squamoso-reflexis, intimis latioribus obiuslssimis; ligulis glabris; stylo luteo. — *H. Sabaudum* Lobel. — if. *alterum* Lob. — *H. primum* Dod. — *H. majus angustifolium* Glus. — fc *intybaceum* Ger. — *H. frutic. angustif. majus* C. B. — II. *rectum fffydum* J. Bauh.

* *Varietates angustifoliae, hirsutae vel glabrae.*

a. *commune*: caule simplici; foliis lanceolato-linearibus denticulatis acutis, nunc caule procero apice corymboso, nunc curio rigidiori dense folioso subumbellato, foliis margine saepe revohuis, hirsutis glabris ve, nunc tenui decumbente, foliis linearibus, quod *Pulmonarea graminea* Dill. — *H. umbellatum leptocaulon* Wallr.

p. *pectinalum*: caule saepe ramosissimo paniculato; foliis lanceolatis porrecto et saepe pectinalo-dentatis. — Vulgo // *coronopifol.* Honor. — *H. Sabaudum* Fl. Dan. tab. 872. *

Y- *coronopifolium*: caule simplici corymbifero; foliis angustissimis subincanis confertissimis crebre et argute dentatis. — // *frutescens, foliis angustissimis incanis* Moris. — // *foliis Coronopi* Vaill. *- // *coronopifolium* Gmel.

8. *filifolium*: strictum subumbelliferum: foliis angustissimis integerrimis, margine revolutis. ~ *Pulmon. angustif. glabra* Ray.

*' *Var. latifoliae, foliis magis minusve confer Us.*

ξ. *arctophilum*: glabrum glaucum: caule inferne foliato, supernenudo, in pedunculos longissimos submonocephalos diviso; foliis lanceolatis, basi lata adnatis. — *H. Ledebourei?* Mus. Petrop.

d. *aliflorum*: caule subramoso ex alis racemose corymboso; foliis oblongis; pedunculis submonocephalis folia aequantibus vel superantibus.

i). *lactaris*: caule simplici stricto dense folioso; foliis oblongis obtusis; corymbo oligocephalo bracteato. — *H. Lactaris* Bertolon.

S'. *Dunense*: caule rigido prostrato oligocephalo foliisque oblongis lanceolatis hispido-hirsutissimis (at simile glabrum), squamis subadpressis. — *H. Dunense* Reyn. — *H. prostratum* Ho it. Bot.

t. *pusillum*: bispidissimum, caule basi foliato, sursum nudo submonocephalo.

x. *minus*: pusillum debile: caule paucifolio; foliis obovato-oblongis. — *H. frutescens minus* C. Bauh. — *H. fruticos. angustif.* Dill. — Habitat per totam Europam (excepta Sicilia) et in Persia.

¹⁵3. H. LATIFOLIUM Spr.—Fries. 1. cit. pag. 179. f — Aphyllopodum: caule dense folioso; foliis conformibus sessilibus ovatis serrato-dentatis triplinerviis; anthela foliosa palente corymbosa; involucro basi obtuso nudo glabro; squamis latis concoloribus squaroso-reflexis, intimis erectis obtusissimis; ligulis apice glabris; stylo luteo glabro. — ft *subrotundo folio* G. Bauh. — *H. montanum latifolium glabrum* Ponted. — *H. Croaticum* Lapeyr. — Habitat in montibus totius regionis mediterraneae.

¹⁵4. H. BREVIFOLIUM Tausch.— E. Fries 1. c. 180. t — Aphyllopodum: caule dense folioso striato; foliis dentatis. infimis oblonge lanceolatis subpetiolatis, reliquis ovatis

sessilibus semiamplexicaulibus subtus glaucis nervoso-ieticulalis corjumbo stnclo bnsi lolioso, squamis lineariibus adpressis obtusis glabris, exlimis acutis inie pilosis, ligulis glabris, stylo luteo. — *H. hi en folium* Tauscb — if *Ltnlehae* Italb — Habitat in Europfl australi

155 H AURATUM L. Fries 1 cit pag 181 j — Aphyllopodum caule folioso floccoso pilosoque, folns oblongo-lanceolatis subamplexicaulibus, medio dentalis, sublus roiculato-venosis, sumims sessilibus, anthela paionti-eorymbosa foliosa; pedunculis squamosis, involucns basi ovalis villosa bicvi luteolo-glanduloso pubescens, squamis adpressis. extenoubus linearibus, stylo c luteo auralo. — Sjnonjma omnia dubia' — Habitat in Suecia (rniissimum!)

156 H CANADENSIS Michx — F. Fries I cit pag 182. + — Aphyllopodum caule denso lolioso scabro, folns sessilibus semiamplexicaulibusve ovato-oblongis vel hnceolatis, medio dentalis tnplincrvns, anthela corjumbosa paniculata, pedunculis squamosis involucnsque basi truncata subglabris, squamis extenoubus linearibus laxis, reliquis obtusis adpressis, stylo sicco Culigneo — // *Lanadense fruticosum glabrum* Snirac — // *Kalmn* Torr — *U fasuculatwn* Pursh — *H wain utsculum* Sthwun — *H hclianthi mi folium* Frul — *H macranthum* Nullall

P. muiophyllum folns pirns sessilibus linearibus — // *umbellatum* Hook

Y maciophyllum foln> Idtionbus ovalo-hnceolatis semiamplexicaulibus Torr & Gi — // *mao ophyllum* Vuibh — // *jnaumlhoides* Hook — Habitat in America boreali fiiM(lion

157 II (ROCATUM I Fries I cit pag 183 f — Aphyllopodum. caule laevi ngido folioso folns oblongis lanceolatisve denlatis, basi lain sessilibus, supenoubus semiamplexicaulibus, sublus tnplineiviis, *raima* pedunculisque 1 — 2-cephalis strictis subfasugiatis cano-floccosis eglandulosoque-pilosis folio suffullis involucro basi obtusissimo subglabro atrato, squamis obtusis adpicissis, exlimis subglanduloso-pilosis ligulis glabris, stylo c luteo ciocato. (subfuscescente) — // *fruticosum lahfohum ylabium* Ray — // *Sabaudum* (i Smilb — *H sylvaticum* Wahlenbg — // *boieale* Laclad — // *picnanthoidtf* Fl Dan lab 2425

(3 *dilatatum* folns lationibus teruionibus, supeionibus ovatis amplexicaulibus — // *pi enanthoides* p *Incui/l* Haitin — // *nmloites* Bdbmgt

Y angntatum folns linearibus basi lata amiculatave sessilibus. intcgerimis mflmis lingulato-linearibus, maigine pedunculisque scabris — Habitat per zonam arcticam et subarcticam

158 II CORYMBOSUM E Fries 1 cit pag 185 f — Aphyllopodum caule dense folioso laevi folns ovalo-hnceolatis nplexicaulibus denlatis, sublus glaucis venoso-reliculatis inbala basi foliosa corymbosa paniculata, pedunculis cano-floccosis squamosis fiiivoltimsque basi ovalis allenuatisve pilis apice ranoscentibus subhii^itu., squamis etmonbiis arulis laxis, ligulis ipice glabris, stylo c luteo subfulgione — // *Sabaudum anqnsijohum* BIylt — // *bmtite* Mcj — *U coii/mbosum* Fues — Habitat cum piaocedenle

159 H RACEMOSUM WakUt & Kit — F Fries I c 187 f — Apyllopodum caule folioso, folus sessilibus lanceolatis ovalisque clenticulatis acuminatis subciliatis, subtus iriplinervns, imis in peiololum attenuaus, anihel foliosa racemosa. pedunculis folio subjecto brevionibus. involucro ligulisque glabris squamis obtusis, stylo sicco fulliginoso

P bmbalum villosissimum. racemo composito. — *H. hmbatum* Tauscb.

Y congestum minus glabrum folus lanceolatis, anthela abbreviate, capitibus ad apicem congestis, involucro mgucanle — Habitat in Oncnie, Ilungana, Siyia

Z. Siirps *H. Sabaudii* E. Fries 1. c. 188.

Aphyllopoda gemmifera. Caules foliosi rigidi, demum lignosi, foliis inferioribus basi atlenualis, teliquis amplexicaulibus vel sessilibus, a basi ad medium dentatis In^gerrim^ye: Anthela foliosa. Involucrum distincte mulLiserjal^, spiraliter imbncaturà; squamis adpressis conformibus, deorsuirf^decrementibus, intimis obtusis. Ligulae glabrae. — Flantae maxime autumnales, exeunte Augusto et praecipue Septembri florentes, indeque Europae temperatori p^i^ie, a zona arctica prorsus alienaa, // . boreale solum in JEuropam frigidorem adscendit, at tan turn secus Oceanum in regionibus autumnu mitiori fruentibus, hinçe Suecia orientia, Rossia media etc. prorsus exul.

160. H. LUGIDUM Guss. — E. Fries 1. c. pag. 188. f — Pseudophyllopodum: cnule humili folioso; foliis sessilibus obovato - ohlongis apiculatis subintegornnis coriaceis glabris, imis confertis in petiolum attenuatis; pedunculis folio subjecto brevioribus monocephalis involuuroque pubescentibus, squamis lalis oblusis concoloribus; stylo sicco fuliginoso. — // . *cophanse glabrum* Cup. — Habitat in rupibus cnlca/eis maritimis Siciliae.

161. H. SABAUDUM Linn, — All. Pedem. talt 27. fig. 2. — E. Fries 1. cil. 189. f — Aphyllopodum: caule rigido folioso; foliis amplexicaulibus cordato -o'vaiis dentatis triplinerviis hirsulis; anthela contigua racemoso - corymbosa, bnsi folioso-brnctea; involucris basi truncatis pubescentibus, squamis adpressis obtusis concoloribus; stylo luteo fusco-hispidulo — *U. fruticosum lalifohum hvrsulum* G. Bauh. — *H. Sabaudum a. genuinum* Gaud. — Habitat in convallibus ad alpes Europae australis.

162. H. BOREALE E. Fries I. c. p. 190. f — Aphyllopodum: caule folioso; foliis ovatis laadfolaiisve triplinerviis, a basi ad medium dentalis, inferioribus subpetiolalis, superioribus latoribus sessilibus vix amplexicaulibus: anthela corjmbosa paniculataque basi foliosa; involucris basi ovatis nudis glabris eglandulose-pilosis, sqtiamis obtusis adpressis unicoloribus, siccitate nigricamibus; stylo e livido fuliginoso. — *Hier. // . Clus. - Intybi species* VI. Thai. — *U. fruticosum latifoltum, 'foliis dentalit glabris* C. Bauh. — *II. Iruticosum lalif. hirsulum* Ray. — *H. calyce fusco* Vaill, — *H. Sabaudum* Auct. plurim. — Engl bot. tab. 349. — *H. sylvaticum* Lapcyr. — // . *sylvestre* Toysch. — // . *nemosum* Dierb. — Habitat in Euro pa boreali.

163. H. VIRESCENS Sonder. — E. Fries 1. c. p. 192. f — Aphyllopodum: caule dense folioso; foliis sessilibus ovalis lanceolatisve, metlio dentatis, subtus crebre tripUnerviis; anlbela racemoso - corymbosa paniculataque, basi foliolosa; involucris basi attenuatis nudis, snumis sursum attenuatis apiceque flocculosis, margine pallidia; stylo luteo fuscescente. — ^ Habitat iq locis nemorosis ad rlpas fluviorum Holsatiae aUjiquo Germaniae boreolls.

164. H. ^ACTIDCACEUM Frdl. -*• E. Fries t. c. p. 193. f — Aphyllopodum: caule dense folioso; foliis semiamplexicaulibus ovatis denlfculatisV subtus laxff reticdlatis pallidis, saepe geminalim approxitnatis; anthela foliosa; pedunculis cano-floccosis pilosisque. squantis obtusis adpressis ligulisque apice glabris; stylo sicciate fuligineo. — *La-Clariss* Plinius — // . *frutescens, latifoltum polyanthos* Hort. Aist. Ord. — *II, fruticosum latifolium hirsutum* var. I. G. Bauh. , *P. glabrum*. — Habitat in Italia.

165. Hi, ROBUSTUM E. FR'IM |.Q. p. 193. f — Aphyllopodum: caule robusto piloso seabrov6 dense folioso: foliis semiamplexicavlibus* ex ovata basi atlenuatiss, ad medium sinunto-*ientfttis, inferioribus postice atlenuatiss, subtus Inxe reticulalis; pedunculis bractea subfoliacea suTultis squamosis cano - iloccosis; involucris basi truncatis gla-II.

bris, squamis obtusis adpressis, interioribus albo-marginatis; ligulis glabris; stylo luleo — // *folio caulcm amplexante subrotundo denlato glabro* Amm. — Habitat in Oriculo, terris Caucasiris.

166. II. VIROSUM Pall. — K. Fries I. c. pag. 194. f — Aphyllipodiim: cnule clalo dense folioso; foliis confor mi bus a busi subcordata amplexicauli • ailenunli? denticulatis ciliatis, subtus plauccacntibus dense reiiiculaiis; nntbela foliosa; pedunculis squamosis involucrisijuc cylindricis basi lurbirfalis nudi« glabris; ligulis apice glabris; stylo luleo. — // *Subuudum altis/sunum, foliis latis breuibus crebrius nascentibus* Moris. — II. *folio caulcm amplexaute oblnngo integro piloso* Amman. — // *caule ramnso continue folioso, foliis ex vordato lanceolatis umplejuicaulibus* Gmel. — // *Sabandum* Pallas. — II. *villouun* Lejjech. — // *foliohim* Waldst. fit Kit. Pl. rar. Hungar. lab. 145.'

p. *nigrilum*: caule, stricld, apice subumbellifero: foliis oblongis vel linearibus, plongoli9 glabris; involuero nigricanic. — II. *viosum* Pallas. — // *corymbosum* Hon. Boian.

y. *distortum*: caule decumbontn, apice laxe paniculaio; foliis lanceolalis, saepe liirsutis. — // *prostratum ox* Ledcb. — Per omnera Sibiriam temperatiorem, Asinm orcidcnlalem. in Ilungarin.

167. KRIOPHORUM St. Ainans. Dull, plül. no. 52. pag. 26 tab. 2. fig. 1. — E. Fries 1. c. 1%. f — Aphyllipodum, pilis simplicibus longissimis undique donssissime lahuginosiim: caule dense folioso; foliis conformibus sessilibus ovato-lanceolatis, undique deniniis; anihola foliosa involueroque Innuginosis, squamis obtusis ligulisque apice glabris; stylo lutco; nchaeniis pallidis. — II. *incanum lanüffinosum* Tournef. — H. *Syrcticum villosiasimum* Viihl.

(i. *proslialum*: minus cnule divarjento (prostrato); foliis involucrisque minus villosis, intercdm subglabrescentibus. — // *prostratum* DC. — Habitat in arenosis maritimis Aquitaniae.

f *Species novae addendae.*

168. H. PKRSICUM Boiss. Uagn plant, orient, nov. XI. p. 60. -f — Pallide virens: rhizomale praemorso; caulibus in feme minuissime stellato-puberulis longiuscule et pnree setosis. dein glabris, apice denso et breviter stellato-puberulis corjmbosis polycephalis*; foliis radicalibus oblongis iritegerrimis, in pctiolum brevitor attenuatis, utrinqu^ snip longis odpressiusculis e tuberrulo'orlis obsitis, caeierum glabris, caulifns 2 — 3 paryis linearibus re mo tis; coryinbo fnsiifialo; involucri phyllis nigricanlibus, pube n-fescenli duplici, allera siellata brevissimn. altera setulis elongatis constanti obsili« — Ad seriem piumam portinet. — Crnsit in fauce fudera monlis Elbrus' in Persia.

169. II. PATENS Prllng. Iud. sem. hort. Getting. 1850. coll. p. 4. f — Caule folioso corymbifero piloso, apice pubescenle el llavis glandulis ins true to; rosulis foliorum nulumno forniatis sub n^tbesi ematcidis; foliis virentibus sparsim pilosis ovnto-lanreo-lalis nciitiusculis remote dcnliculalis arete sessilibus, imis basi attenuftis; involuero virente glabro glandulos^o; ligulis glabris; slylo fuscescente; achneniis rufis. — Ad *Ptilmunarea* pertinet. — Habitat in Pycnaeorum orientalium rupestribu6 calidis prope Prades.

170. H. VULGANICUM Griseb. Dotan. Zeitg. VIII. pag. 638. f — Caule subaphyllo 1—2-cephalo, apice* glandifero el puberulo; foliis glaucescentibus, rosulae ovalibus brev-viler petiolatis, utrinque villosis, elongato-patentissimis acqunliter pilosis, pube stellaia deslitutis, caulinis 1—2 in squamns linenrrs reductis; involuero calvo glandulifero, sqaamis lineari-acuminutis; ligulis glabris; slylo fuliginco; nchaeniis alro-rufis. costis arguiis. — Afillnc // *mpt-slri* All. — Crescii in sniis vulcanicis (Phonolithfelsen) sunni mentis Milseburg Rhocnensis.

171. **IF. LONGIPKS** G. Korh, *Mnnaea* XXII 680. f — Multicaule: caulos prostrati aut adscendentes simpliccs, pilis longis, diametrum caulinum Superantibus et pube stellato-fioccosn veslili: folia oblongo-subspathulaia acuta, supra glabrft aut pilis longis singulis obsita glaucesceniia. infra stellato-pubescentia et ut margine pili* longis obsita el glauca. scssilia, radicalia in pe^olum altenuata, sub anhesi ex parte praesentes; pe-lunculi elongnti puhoscontes, fojfc flołali fulcratj aut axillaies; anlhodium pubescentiloraoniosum, pilis rigidis, basi -nigris obsftum, phyHis lanccolatis acutis; pappi pill rigidi inaetjuales. — Ad sericm *Accipitrinorum* pertinet. — Crescit (in Asia minorJ)?
172. **H. (AKAGIUM) PUBESCENS** C/ Koch, *Linnaca* XXIII. 681. + — Cnulis stride erect ut simplex, basi ^illosissimus, cneterum pilis crhpulféT)ubescetis; folia inferiorn spaihulato - oblonga, media oblonga, sopra sensim miriora lanceolata, omnia margine et costn medin inferiori hirsuto - villosa, subtus el interduua sed minus supra crispo - pubesceniia, semiamplexicaulia, inferis integris exceplis remote dentata; corymbus approximatus paucillornis' cano - floccosus; anlhodium nniserialc aequale, basi phyllis accessoriis raris praeditum; achaenia rufesceniia, costis primariis 5 raanilesiis, secundariis 5 obsenris praedila coluinnaria, annulo ex apicu destiluto; pappus sordidus bisenalis inaequalis fragillimus. — Crescit...?
173. **H. APPROXIMATUM** Jord. *Gntal. des graines recoltées au jard. bot. à Dijon en 1848.* p. 20. no 7. f — Paniculae subcorymbosae ramis valde inaequalibus erecto - patulis plongatis aubflexuosis, apice, pedunculis involuciisque canescentibus hirtisque, pilis basi atris glanrfuliferis, in involuero longiuscniis et in pedunculo breribus paucia; involucri fotioUs linearibus, apice attenuaiis subncutis: receptaculi alveolis margine subintegris, ad angulos cil'o brevi lanceolato praeditis, areolis mammula leviter prominula impositis ore laliusculo apenis; foliis obscure virentibiis, saepe ntaclualis, ulrinque sparsun pilosis, ad petiolos villosis, radicalibus ovato-ellipticis acutis, basi in petiolum brevem laliusculum attenuaiis profunde donlnlis, deniibus lanceolatis acutis patcnlibus; cnulinis 1—6 breviter pctiolalis valde acutis; caule piloso scubriusculo striato parum flstuloso ercclo flexioso dichotome ramoso, rnmis subaphjllis. — A simillimo // *sylvatico* Vill. non distingui poiest nisi attenta speciminum comjaratidnc. Ab hoc lalinen cerlissime difflort. In iisdem locis saepe-cum illo promiscue crescit, et in horio indolcm servat. Dignoscitur ramis paniculae paucinoris minus racemosis nee apice fsligiatis, magis patulis inaequalibus pedunculisque longioribus baud strictis. foliis obscure virentibus magis basi atlonuutis^brovius pctiolalis, deniibus eorum profiradoribus. caule apico subnudo. — Habitat in nemorosis argillosis, praesertim rrgionum graniticarum prop# Lugdunum. — Flores pulchre flnvi, folia saepe maciilis uigrescimiibus adpersa, caulis 4—8 dec. alt.
174. **H. COMMIXIUM** Jord. 1. c. p. 20. no. 8. f— Paniculae subcorymbosae ramis erecto-paiulis substrictis, apice praesertim pedunculis invojucrisque subcanescentibus hirtisque, pilis atris ^landuliferis; involacri foliolis linearibus apice ntenuaiis* acutis. exterioribus sublaxis; receptaculi alveolis ad marginem deniatis, ad angulos cilio lanceolato aculo praeditfs; areolis parum prominulis; foliis pallide virentibus,* sublus fere glauccscenlibus, supra glabralis, caoierum villosulis venoso-reliculnfls. radicalibus elliptico-lnnceolniiis aculis vel ^cuminatis, inferde in petiolum longiusculnm angustaiis dentntis, deniibus baseos palentihus acutis, caulinis 3—4 brevius pctiolalis acuminntis; caule infer-ne piloso exirnie senbrido flstuloso erecto virgato, apice ramoso nphyloqiuu — Ab offlni *H. diviso* differt: ramis pedunculisque brevioribus magis pntulis siriclioribusque. involucri alveolis margine dentatis, foliis elongaiis magis acuminntis rariis niaculosis pnlKdioribusque brevius dcofaiis, caule virgato npico lantuni ramoso neu fere'a basi bifldo dichotomo. — Hanc speciem aliasque mulii sine dubio pro *IL sylvatico* Gou. sumunl. // *sylvaticum* Gou. sicut *I. vulgalum* Fries, Koch etc. viletur ex pluribus speciebus compositum. Quam autera form am in syhaiieis argillosis' regonum sivo oalcarearum, sive graniticaruin frequentem ultiejuc viili. hanc pro veto if. *sylva-Uco* Gou. & Vill. agnosco. Pamculam exhibet in spuciminibus luxurianlibus fane roccmosaiD, ramis strictis ercclo - patulis, iupenunbus eximic cor\mboso - fasifgialis« folia

numerosa lae virentia minime glaucescentia, saepius elliptico-ovata acula aperte densa, caulem stridit erectum multifoliatum, in femore valde hirsutum, superne ramosum 4—8 decim. altum. — Crescit in nemorosis et pratis inontium graniticorum Lugdunensium et Vivariensium. — Flores flavi parvi, caulis 4—6 dec. alt.

175. II. DIVISUM Jord. I. c. 21, no. 9. f — Paniculae subcorymbosae ramis valde inaequalibus patulo-erectis subflexuosis, apice involucrisque subcanescentibus basiisque, pilis glanduliferis fusco-albis; involucri foliolis linearibus ultimis acutis, exterioribus laxis, receptaculi alveolis ad marginem subintegris. ad angulos cilio brevi lanceolato-lineari praeditis; areolis parvis prorainulis; foliis vix maculis fusco-nigrescentibus magis minusve adpersis, subtus ad marginem ovatis villosulis, supra glabrescentibus*. radicalibus ovalo-vel lanceolato-ellipticis, basi obtusis, caulis acutis, inferne in petiolum lenuem limbum aequalem vel paulo longiorem sensim aequalis inciso-dentatis. denibus baseos lanceolatis acutis patentibus, caulibus 2—4 acuminatis, basi in petiolum brevem attenuatis; caule leniiter puberulo superne. eximie scabrido fistuloso erecto flexuoso inaequaliter bifido vel dichotome ramoso.—Ab, affini // *lacinoso* differt: corymbis glandulosis minus tomentosus, involucri floribusque, paulo melioribus, foliis longius et lenius petiolatis fere viridibus minus acuminatis multo minus laciniatis, denibus remotioribus patentibus nee assurgentibus; caule eximie scabrido. A // *hi fido* Koch differt corymbis atro-glandulosis, caule fistuloso nee fere nudo, haud patentibus ramoso. — Crescit in nemorosis et rupibus graniticis prope Lugdunum. — Flores flavi illos // *murorum* L. magnitudine fere aequales, folia maculata in planta spontanea ei ex seminibus culla, caulis 3—5 dec. alt.

176. H. ELLIPTICUM Jord. I. cit. p. 21. no. 10. f — Paniculae corymbosae ramis pedunculisque patulis. eximie arcuato-ascendentibus, apice praesertim involucrisque subcanescentibus hirsutisque, pilis fuscis glanduliferis aliisque longioribus canis basi albis intermixtis; involucri foliolis adpressis linearibus, omnibus apice aequalis acutis, receptaculi alveolis ad angulos ciliis lanceolatis praeditis; areolis parvis proniis, ore laeviusculo apertis; foliis supra laete virentibus mollibus pubescentibus, radicalibus ovalo-ellipticis in petiolum limbum aequalem basi attenuatis vel rarius subconstrictis, basi acutis vel imis fere rotundatis obtusis, postice inciso-dentatis, denibus ovatis lanceolatisve, omnibus patulis vel antrorsum versis, caulibus 2—4 breviter petiolatis parvis acuminatis; caule laevi, inferne praesertim pubente haud fistuloso erecto flexuoso, apice corymboso. — Ab // *murorum* L. et *H. nemorensi* dignoscitur caule plurifolio, foliis uumquam basi cordatis. Ab // *tylomatico* Vill. corymbis ramis eximie patulis et arcuatis longe stricte erectis, acheniis aequis, foliis paucioribus elliptico-ovatis, caule valde flexuoso graciliore et omni habitu. — Flores pulchre flavi fere magnitudine // *murorum* L., semiflosculi involucrum aequo duplo superantes, achenia fusca, caules 3—5 dec. alti. — Habitat in sylvis alpium Sabaudiae ad pedem montis Cenisii.

177. H. FARINULENTUM Jord. I. cit. pag. 21. no. 11. + — Pedunculis involucrisque farinoso-tomentosis, pilis albidis brevibus hispidulis ramisque laxe incumbens eglandulosis; involucri foliolis adpressis linearibus, apice aequalis-acuminatis; receptaculi alveolis ad marginem ciliato-dentatis subpilosisque; areolis parvis prominulis; foliis radicalibus pallide virentibus, supra fere glabris, subtus et ad marginem leviter, ad petiolum dense farinoso-lanatis ovatis vel ovalo-lanceolatis, apice acutis, basi paulo angustatis vel in petiolum limbo suo fere brevioribus contractis, inferne praesertim grosse dentatis, enulino solitario angustato vel nullo; caulibus pube farinosa densa. Sissime totis erectis subflexuosis simplicibus vel superne bifidis; ramis uniloricatis patulis.— Medium fere exacte tenet inter // *andryaloidem* Vill. et *U. murorum* L., sed ab utroque aequaliter recedit. Ab // *andryaloide* differt foliis magis ovalis, superioribus subiusque paucis lanatis et aliis notis. Ab // *murorum* et speciebus huic affluibus, pilis involucri et foliorum plumosis eglandulosis. — *Ah-II. rupestri* All. dignoscitur involucris pilis uniloricatis ramosis plumosis eglandulosis tecto, foliis laevioribus aequo

minaus, caule humiiori subapbyllo etc. — Hab. ad rupes calcareas montium Beuges; Roussillon.— Flores laete flavi, folia snepe colore fusco vel rubello suffusa, rarius sub- » maculata, caules 1—2 drc «lti, saepo umflori el ophjlli.

178. H. FIRMUM Jord. 1. c. 22. no. 12. f — Paniculae racemosae, apice corymboso-fasligialae ramis inaequalibus strictis pflttJo-erectis; pedunculis involucrisque canescentibus subhiri&que, pilis glanduliferis* basi airis, pauQissimis v. nulJis; involucri foliolis apice attenuaais obtusis, eiterioribus laxis, alabaatrum juntas supereminentibus; receptaculi alvcolis ad angulos ciliis rigidulis auctis; foliis viridibua parce pilosis, radicalibus nulfis, cnulinis numerosis elongato-flanceolatis ncupinatis, longissime in petiolum angustalis grosse serrato-dentatis, dentibus linearibua^etongatis, omnibus antrorsum versis v. patulis; caule mullifolinto fere glabro scabriiritoulo non flstuloso, stride ere do elato, superne ramoso. — Panicula racemosa ampla, illi *H. Saubavdi* L. simillima. caulis 10—15 dec. alius A simillimis *II. affini* Tsch. ft *H. rigido* Hartm. dignoscitur: racetno saepe magis ampliato, involucri foliolis apice obtusis; achaeniis conspicue minoribus, foliis fere glabris, omnibus, nee imis tantum petiolatis, longissime basi attenuatis. et apice acuminatis, dentibus longioribus magis antrorsum versis, caule multo minus eabro, robustiore, fere glabro, inflorescentia serotina. — In sylvaticis argillosis prope Lugdunum.
179. H. GLAUCINUM Jord. L. c. no. 13. f — Paniculae subeqrymbosae ramia pedunculisque elongstis erecio-pátulis baud strictis sappe divergentibus / apice praeartim involucrisque can^Sceftibus bhniaque, pilis glanduliferis fusco-atris; involucri, foliolis adpressis linearibus aenuato-vcdinatis; receptatuli nlveolis margine subdentatis, ad angulos cilio e basi ovate acuminato praeditis; nreolis parvis; foliis glaucpscentibus saepe mayculatis, ad taarftnein et pe'tiolo mollter villosis, cneterum glabrescentibus, radicalfwftl longe petiolatis ovatis vel ovato-lanceolatis acutis, basi in petiolum limbo subaequalenf contractis vnl imis levitqr subcordatis, postice profunde inciso-dentatis, rarius subintegris, deniibus elongatis acuminatis omnibus patulis vel antrorsum versis, caulino solitario breviter petiolato; caule laevi vix puberulo flstuloso erecto, apice bifldo vel dichotome camoso. — Ab affini // *muroium* L., cum quo confunditur, stotim dignoscitur: ramis paniculae pedunculisque longioribus patulis, involucri foliolis longius acuminatis, foliis glaucescentibus dentibusque omnibus antrorsum"versis. — Ab *II. incisp* Uopp. differt pedunculis involucrisque semper atrq-glandulosis. habitu robustiore et aliis notit. — Crescit in collibus et sylvis prope Lyon, et forsán ubique in Gallia orientali hau4 infrequens. — Flores pulbre flavi illis *H. murorum* L. fere majores, caules 3-4 dec. alti. — Observ. *II. Schinidlii* ab *H. glauano* longe recedii et opiimam constituit speciem // *murorum* L. minime Jiffnem, et potius ad *H. tycipientem* nccedit. Ut optima monuit Froelich in DC. Prodr. VII. p. 230. facile dignoscitur pagina superiore foliorum pilis rigidiusculis more Pilosellarum tecta. Koch in Syn. ed. 2. p. 522. pitos tales non vidisse profert, sed errat profecto celeb, auctor. et rem sane non obsenravít.
- 1^0. II. LACINIOSUM Jord. 1. cit. pag. 22. no. 14. f — Panjculae subcorymbosae. ramia liedunculisque Valde inaequalibus sobincuryato-ereolls hand Jlicris, apice praeaelrtm involucrisque tomenioso-canescenribus aubhinqiia, fiffis glaoRlibrfs'iftiscis brevibus paucis; involucri foliolis linearibus nitenuato.acumlnafJrr^recppt/fiDuU_laii n^veolis mnrgine subdentatis. ad angulos cilio brevi ex ovate ba*## linear! jiraeditfo; areolis ovariferis mammula promimila impositisi ore minuto qpetlis; foliis glaucescentibua «aepe maculatis, ad marginem praesertim et petiolo villosulis, radicalibus ovaio- yel lanceolato-ellipticis, apice ncuminatis, basi in petiolum latiuscnhun limbo breviorém attenuatis, posiice profunde inciso-laoiniaUs, lacinjis inferioribus approximtis linearlbot eloogatis acumiuatissimis, omnibus antrorsum verais, caulinis pauois 2—3 vel solhariis in petiolum brevemVattenuatis valde acuminatis; caule laevi, inferne villosio, superne tenuiter tortentoso^anraio bifldo vel dicboiome ramoso. — A pracedenti specie dilTert pani, cttlae' riimpls haid divergeuibus sed omnibus erectis Uexuosis, pilis glanduliferis bre-Aibus paueisque, foliis basi aUetualis magis acuminatis longe et angusle laoinia- • us. — Habitat in sylvis rupesinbus monlium granilivorum prope Lugdunum. —

- Floros flavi illis // *innrorum* L. fere majoris, folia saepe inaculiti rubentibus dispersa, caulis 3—6 dec. altus, — *H. bifidum* Kit. videtur huic nō sine sed esi planla valde dubia. Kx Koch ramis patentibus praedilum est, et Frölich in DC. Pr. VII. 211 hoc foliis basi cordatis descripsit.
181. II. LAEVICAULE Jord. I. cit. p. 23. no. 15. f — Paniculae corymbosae subfastigiatæ ramis inaequalibus erectis vel patulis, apice involucrisque tomentoso-canis subhirsutisque, pilis glanduliferis in involucri paucis et in pedunculo fere nullis; iuvulucn foliolis linearibus utriculis alienualis vel aculis; receptaculi alveolis ciliato-dentatis, ciliis anguloruni laucolalis denticulatis; areolis parum proinulis, supra depressis, ore minuto aperlis; foliis pallide viridibus, subtus fere glabrescentibus, supra glabris, caeterum parco pilosis. radicalibus ovato- vel lanceolato-ellipticis, inferne in petiolum limbo breviora subtus lereiem paulisper attenuatis, imis apice rotundatis obtusis, caeteris aculis, basi dentatis, dentibus lineari-oblongis antrorsum versis, eaulinis 3—4 breviter petiolaribus; caule laevissimo fere glabro baud fistuloso erecto firro ramoso dichotomo; ramis strictis nuphyllis. — A simillimo *If. commivlo* Jord. (cf. no. 174.) dignoscitur ramis paniculae stricioribus magis fastigiatis, pilis glanduliferis subnullis, foliis minus mucinatis. caule laevissimo nee scabro. — Inhabitat in sylvaticis argillosis montium Lugdunensium. — Flores flavi illis // *sylvatici* subaequales, folia et omnis planla saepe sunt glabrata, caulis 4—6 dec. altus.
182. H. MEMORKNSE Jord. I. c. 23. no. 16. f — Paniculae corymbosae ramis pedunculisque erectis vel leviter subarcuatis, apice praesertim involucrisque subcanescentibus hirsutisque, pilis glanduliferis alris fuscisve distinctis pedicelli baud aequantibus; involucri foliolis adpressis linearibus, omnibus attenuatis acutis; receptaculi alveolis ad marginem subdentatis, ciliis angulorum lanceolatis brevibus; areolis mammilla brevi impositis; foliis laevi flavido-virentibus tenuibus pubescentibus, radicalibus longe petiolatis oblongis arundinis, basi leviter subcordatis vel in petiolum lenuem contractis, breviter postice dentatis vel subintegris, eaulinis fere duobus acuminatis breviter petiolatis; caule puberulo laevi baud fistuloso erecto firro, apice bi-quad vel inferne 1—2 ramuloso. — A simillimo *If. muvoruin* L. differit ramis pedunculisque magis erectis, involucris et nuchaeis nuchioribus, foliis magis conspicue venoso-reticulatis, baud ovalis, sed omnino oblongis. petiolo longiore et duplo angustiore, foliis eaulinis rarius solitariis, caule graciliore hinc fistuloso, inlorescentia praecociore. — Flores pulchre laevi, semiflosculi involucri duplo et ultra longiores, achaenia a tria, **petioli** tenues canaliculati villosi saepe rubentes, caulis fragiles duri 3—5 decim. alti. — Crescit in sylvis montosis Delphinatus.
183. H. ORLIQUUM Jord. I. cit. p. 23. no. 17. + — Paniculae laxae racemosae apice subcorymbosae ramis inaequalibus erecto-patulis, superne inclinalis saepe subsecundis; pedunculis apice paulo incrassatis pluri-bracteatis involucrisque canoscentibus-eglandulosis; involucri foliolis obscure virentibus, siccitate immutatis linearibus obtusis, lateribus laxiusculis; receptaculi alveolis ad angulos denatis-ciliatis, ciliis in pilum longiusimum solutis; foliis intense virentibus saepe valde hirsutis, radicalibus post anthesin vegetis eaulinisque elliptico-lanceolatis acutis acuminatisve, basi attenuatis sessilibus dentatis, dentibus brevibus patulis; caule multifolio raesenim inferne hirsutissimo, superne fere glabrescente striato scabro, baud fistuloso oblique erecto vel ascendente, apice ramoso. — Folia radicalia sub anthesi omnino defleunt, sed post anthesin fasciculi foliorum perhyemanles adsunt, achaenia atra, eaulis 4—6 dec. altus. — Ab *H. Sabauda* L. et *boreali* Fries recedit foliorum fasciculis porhyemanantibus alii quae notis. *H. sylvatico* Vill. et speciebus affinis differt foliis omnibus ~~sessilibus~~ et panicula eglandulosa.
184. H. RUPICOLA Jord. I. cit. p. 24. no. 18. f - Paniculae laxae racemosae subcorymbosae ramis erecto-patulis, saepe leviter ascendentibus, omnibus pedunculis involucrisque subcanescentibus hirsutisque, pilis glanduliferis densis tenuibus aquose ~~luteolis~~ basi nigricantibus; involucri foliolis linearibus, apice ciliato-pluinosis alienualo-acun-

receptaculi alveoli's parce subpilosis, ad angulos dento brevi auctis; foliis pallide virentibus mollibus tenuibus, pilis minutis glanduliferis utrinque pagina obsitis aliisque longioribus ad petiolos praesertim ciliaribus villosisque, radicalibus elliptico-ovalis, basi in petiolum attenuatis, postice dentatis, dentibus ovatis longe acuminatis patentibus, caulibus lanceolatis acutis, basi paulo attenuatis sessilibus vel semiamplexicaulibus; Caulibus inimilibus sternalis hirtis a basi ramoso-pinnulatis. — Obs. II. *pulmonarioides* Vill. Juic affine differt panicula fastigiata dense multiflora, ramis pedunculisque stridere erectis nee subarcuatis. involucri foliolis acuminatissimis, flonibus intense flavis, pilis glandulosis magis longis d'ebriusque, achaeniis duplo majoribus, receptaculo valde piloso, alveolis brevioribus, areolis ovanteris magis pro minutis, foliis caulinis basi magis attenuatis hinc amplexicaulibus, caule duplo aliole et omnibus partibus duplo crassiore. *U. amplexicaule* L. saepe cum *H. pulmonarwide* confusum ab hoc et ab *H. ntipicola* plane differt involucris foliolis basi late lanceolatis et foliis caulinis amplis eximie cordato-nplexicaulibus. — Flores pallide flavi. panicula pauciflora, cunctis 1—2 dec. altus. — Crescit in rupestribus calcareis Galloprovinciae prope Sisteron (Basses* Alpes.)

185. *H. UMDROSUM* Jord. 1. cit. p. 24. no. 19. f — Paniculae corymbosae subfastigiatae ramis patulis arcuato-ascendentibus, apice pedunculis involucribus canescentibus hirtisque, pilis glanduliferis densis lutescentibus, basi atris; involucri foliolis linearibus, apice attenuate acutis receptaculi alveolis ad marginem dentatis, ad angulos obsolete ciliatis; areolis parum prominulis; foliis flavescenti-viridibus subreticulatis, supra parce pilosis, subtus ad marginem et petiolos jnolliter viridibus, radicalibus ovato-ellipticis acutis, basi subcontractis vel in petiolum inferne dilatatum limbum vix nequantem parvis lisper attenuatis margine dentatis, dentibus brevibus ovatis patentibus, caulibus 3—4 breviter petiolatis acutioribus; caule luteo piloso; superne scabrido glanduloso striato erecto firmo, apice ramoso corymboso vel inferne ramulis aucto. — Flores pulchre flavi illis. *muorum* paulo ranjoro, achaenia brunnea, folia ampla raolha, cunctis 4--6 dec. altus. Paniculae forma et pubescentia *H. murorum* exacte refert, sed foliis latis basi baud obtusis et caule foliato-ob hoc recedit. — Crescit in sylvis alpium Delphinatus.

*86. *H. VIKGULTORUM* Jord. I. c. 24. no. 20. i — Paniculae racemosae angustae ramis gracilibus erectis, superne inclinatis aequaliter subsecuodis; pedunculis elongatis pluribracteatis involucribus parum canescentibus subhirtis; pilis glandulosis paucissimis; involucri foliolis pallide virentibus. siccitate immutatis linearibus, apice obtusiusculis; achaeniis rubro-fuscis; receptaculi alveolis ad angulos dentato-ciliatis, ciliis lanceolatis acutis; foliis laete virentibus, modo glabrescentibus modo mollissime hirsutis, radicalibus nullis, caulinis anguste lanceolatis, ulnq; angustis acuminatis, inferne in petiolum attenuatis, superioribus sessilibus, basi fere rotundis, omnibus breviter dentatis, dentibus patulis saepe minutis; caule molliter hirsuto vel fore glabro haud cabro tenuiter, striato vix ostuloso erecto virgato, apice ramoso. — Ab *U. obliquo* recedit panicula angustiore, ramis minus patulis lenioribus, involucri foliolis pallidis, aequaliter minoribus, receptaculi ciliis brevioribus tenuioribusque & oliis radicalibus nullis, caulinis elongatis laetius virentibus caulo erecto virgato-hatid soabro, pubescentia molli et inflorescentia paulo magis serotina. — Ab *H. korehli* Fries. differt racemo baud stridere erecto, involucri foliolis pallidis. siccitate immutatis oecnigrantibus, foliis angustis, pubescentia molli, caule fere laevi — Habitat in sylvaticis collium graniticorum inter Virgulta prope Lugdunum Gallorum.

187. *H. ACUMINATUM* Jord. Graines recueillies en 1849 au Jardin botanique de Grenoble pag. 17. no. 11. t — Paniculae (in planioxuriante) subracemosae ramis erectis flexuosis subincurvatis, inferioribus brevibus, superioribus dense fastigiato-corymbosis; pedunculis hirtis et glanduliferisque subcanescentibus hirtisque, pilis glanduliferis fusco-atris densis; involucris linearibus apice obtusiusculis adpressis; receptaculi alveolis ad marginem brevissimam subintegris, ad angulos cilio lanceolato brevi auctis; areolis in mammula minuta positae, ore latiusculo operatis; foliis laete virentibus, ad paginam inferiorem ci

petiolos villosulis, supra glabrescemibus, radicalibus elliptico - ovatis lanceolatisve acuminatis, basi in petiolum elongatum angustatis, caulinis subconforraibus valde numerosis, plerisque insigniter petiolatis longe et anguste acuminatis, superioribus tantum abbreviatis subsessilibus, omnibus profunde inciso-dentatis, dentibus lanceolato-linearibus, antrorsum versis vel pateniibus, mediis saepe elongatis; caule inferne valde hirsuto leviter subaspero eximie ustuloso stridite erecto, apice ramoso; caudice crasso abbreviato uni—mullicauli. — Habitat in sylvaticis argillosis prope Lugdunum Gallorum. — Affine sequent!.

188. H. ARGILLACEUM Jord. 1. cit. pag. 17. no. 12 f — Paniculae ramis numerosis sticciis erecto-patulis, apice breviter corymbosis/ saepe afortu paucifloris, superioribus subfastigiatis; pedunculis brevibus involucrisque subcanescentibus hirtisque, pilis glanduliferis pallide fuscis, basi atris; involucri foliolis linearibus, apice obtusiusculis adpressis; receptaculi alveolis ad marginem subintegris; ad angulos cilio lanceolato-acuminato auctis; areolis in mammula parva positis, ore minuto apertis; foliis laete virentibus, utrinque sparsim pubescentibus, ad petiolos villosis, radicalibus elliptico-ovalis vel late lanceolatis aculis, basi in petiolum longiusculum angustatis, caulinis subconformibus numerosis decrescemibus breviter petiolatis, minus basi angustatis*. Inagis apice acuminatis, omnibus praesertim inferne dentatis, dentibus ovato-lanceolatis profundè abbreviatisve patentibus; caule inferne valde hirsuto leviter subaspero baud fistuloso stridite erecto, superne ramoso lilioso, caudicis incrassati surculis densis abbreviatis. — Ab // *vulgato* E. Fi. differt paniculae ramis magis fascigialis magisque foliosis, alabastris rotundatis nec subcylindricis, pilis glanduligeris basi tantum nigricantibus, ligulis longioribus foliisque latioribus magis inciso-dentatis. — Crescit in sylvaticis argillosis prope Lugdunum Gallorum.
189. H. CLNERASCENS Jord. 1. cit. pag. 17. no. 13. f.*. Paniculae subcorymbosae ramis pedunculisque inaequalibus saepe elongatis erecto-patulis vix incurvatis, apice praesertim involucrisque canescentibus hirtisque, pilis plerisque glanduliferis fuscis; involucri foliolis adpressis linearibus, apice attenuatis acutis; receptaculi alveolis ad marginem subdentatis, ad angulos cilio lanceolato-linear! acuto subintegro auctis; areolis parvis in mammula brevi positis, ore minuto aperlis: foliis cinerascensibus, utrinque pilosis, ad marginem et petiolos molliter villosis, radicalibus ovato-vel oblongo-ellipticis, imis obtusis, caeteris subacutis mucronulatis, basi in petiolum limbo fere brevioribus contractis, rarissime subcordatis, breviter postice dentalis subintegrisve, dentibus ovatis apiculatis saepissime abbreviatis, imis tantum retrorsum spectantibus; folio caulino solitario angustato acuminato breviter petiolato: caule subaspero nudiusculo-erecto, saepe infra medium vel superne inaequaliter bifido; ramis dichotomis subpatis, caudicis aurculis abbreviatis. — Ab affini *II. murorum* differt panicula magis expansa, ramis pedunculisque saepe elongatis, foliis pallidis, omnibus ellipticis parum acutis integriusculis breviter petiolatis. — Crescit in sylvis monosis regionum graniticarum prope Lugdunum Gallorum.
190. H. CONCINNUM Jord. 1. cit. pag. 17. no. 14. f — Paniculae saepe abbreviatae umbelliformis, apice corymbosae ramis brevibus patulo-erectis; pedunculis involucrisque subcanescentibus subhirtisque, pilis tenuibus albidis glandulosis paucissimis; involucri basi ubovati foliolis apice obtusis, marginibus praesertim palide virentibus, sicutate immutatis adpressis vel exterioribus laxiusculis; receptaculi alveolis ad marginem angustum obsolete dentalis, ad angulos cilio brevi in flum soluto auctis: areolis prominulis: foliis tenuibus planis laete virentibus, ad marginem subtusque praesertim laxè villosulis glabrescentibusve. radicalibus nullis. caulinis numerosis saepe in radio caule magis approximatis erecto-patulis linearibus lanceolatis acutis sessilibus, inferioribus basi valde angustatis, superioribus basi subaequalibus. omnibus demum, dentibus ovatis lanceolatisve subpatentibus, mediis longioribus; caule graciliusculis inferne hirsutissimo et aspero, superne glabrescente laevi, erecto substricto, apice breviter ramoso; caudice exili valde abbreviato uni—pluricauli. — Affine // *boreali* E. Fr., *U. virgultorum* Jord. et *H. durnoso* Jord. — Crescit in sylvaticis prope Lugdunum.

- 191 II CRUENTUM Jord 1 cu pag 18 no. 15 f — Paniculae subcorymbosae saepe abbreviatae ramis involucribusque valde inaequalibus crectis flexuosis longiusculis, apice praeserlim involucribusque canescentibus hirsutisque, pilis tenuibus albidis, basi atque, plerisque glandulosis, involucri foliolis linearibus, apice attenuatis acuminatis, receptaculo alveolis margine subintegris, ad angulos cilio brevi linear-lanceolato acutis, aequalibus in mammula vitae conspicua positis, foliis pallide virentibus maculis rubro-fuscis magis minusve adspersis vel omnino -suffusis, sublimbus ad marginem et petiolum villosulis. supra glabris, radicibus angustis oblongis lanceolatis saepe elongatis acutis, basi in petiolum limbo brevioribus angustatis, positis magis minusve profunde inmoderate dentatis linearibusve, laciniis lanceolato-linearibus linearibusve acuminatis, omnibus antorsum versis vel patentibus, inferioribus distantibus decrescentibus, folium caulibus duobus inbusve subconfertis breviter petiolatis, caule glabro inferne villosulo, superne laevissimo erecto flexuoso, apice lanium inaequaliter bifido pluri floto^f caudicibus burculis abbreviate — Simillimum // *diviso* Jord id , // *laciniis* Jord & *H yuto* Pers — Habitat in nemorosis et lupularibus montium graniticorum prope Lugdunum Gallorum
- 192 II CURVIDENS Jord 1 cil no 16 f — Paniculae subracemosa a basi ad apicem ensim ampliatam ramis eictis^{*} virgatis saepe approximatis, syncronis valde inaequaliter corymbosis, pedunculis involucribusque subcanescentibus sublimbus[^]que, pilis tenuibus albidis glandulosis paucissimis involucri basi subovatis foliolis dorso obscure, margine pallide virentibus. siccitate immutatis linearibus, apice obtusiusculis adpressis vel exsertis paucis laxiusculis, receptaculo alveolis hirsutis. ad angulos cilio lanceolato in flum soluto praeditis nervolis parum prominulis foliis laevibus virentibus, apice fere obliquis vel subplanis, ad marginem subtusque praeserlim villosulis glabrescentibusve radicalibus nullis, caulibus numerosis subaequaliter sparsis erectopatulis lanceolatis acuminalibus sessilibus, inferioribus basi longe angustatis, superioribus basi vix aequalibus haud arete sessilibus, ullimis saepe cauli adpressis numerosis omnibus dentatis, dentibus haud parvis lanceolatis linearibusve valde acutis saepe elongatis, inferioribus praeserlim eximie antorsum versis fere curvatis, superioribus subpatentibus, caule inferne praesertim hirsuto et atpeio, apice saepius glabrescente laevique subiecto vngalo vel saepe fere declinato in lacinum laxissimum valde foliatum desente, caudice abbreviato — oivulcauli — Ab *II boicah* E. F. differi capitulis non oblongis, involucri foliolis magis adpressis, bidentatis non mucronatis, folium minus arete sessilibus, saepius profunde et incurvato-dentatis, caule omnino sincto Etiam ad // *obliquum* Jord accedit — Habitat in sylvaticis regionum germanicarum prope Lugdunum Gallorum
- 193 H OUMOSUM Jord 1 c pag 18. no 17 f - Paniculae ambitu subracemosae apice corymbosae ramis gracilibus^{*} eictis saepe approximatis in patulis longiusculis, superioribus fastigialis, pedunculis involucribusque subcanescentibus subbirsutisque, pilis tenuibus paucis albidis glandulosis involucri basi ovatis foliolis margine praeserlim palhdis, siccitate immutatis, apice paulo attenuatis oblongis adpressis vel exterioribus laxiusculis, receptaculo alveolis ad marginem angustissimum subintegris, ad angulos cilio minuto in flum soluto praeditis nervolis in mammula prominula positis foliis in nervulis inote virentibus sublimbus ad marginem et cos totum in praeserlim in xepilomo, supra glabrescentibus, radicibus nullis, caulibus numerosis, in medio caule ^{*}(epe densioribus, inferioribus in lanceolatis acutis. inferne longe angustatis sessilibus, superioribus ovatis vel ovato-lanceolatis breviter acuminalibus, basi rotundata arete sessilibus, omnibus dentatis, dentibus omnibus lanceolatis patentibus, mediis longioribus, caule inferne pinesulim hirsutissimo subspermo. superno glabrescente laevissimo erecto virgalo, apice ramoso, nudiculis brevibus — oivulcauli — A sequenti differi panicula minus ampliata. uimis pedunculis saepe approximatis, involucri basi minus rotundatis, folium tenuioribus laevibus virentibus non aequaliter sparsis nee omnibus subconformibus, caule magis virgato, hirsutia maiore — Habitat in dumosis et sylvaticis column praeserlim germanicarum, prope Lugdunum Gallorum

- 194 II. G\l LH UM Joid 1 c p 19 no 18 f — Paniculae saepe amplntae, nmbiuu sulincemosae, apice corymboso-hsiigntao nmis stnctjs aiicio-pitulit pednnoun in\olurrisque (inestenubiis subliiitisque. pilis piuci* alhidis, b t>i am>> eghndulosis in\olucii subiotundo-ovnti foliolis obscuic viudibus, sircilalc immulalis linoaiibiis, ipico attenuate obtuse, exterioriibus huusouhs icceplaculi al\colis ad maiginem angususunum obsolcu dcnnus, ad angulo>> dlio bicvi in filum solulo IUCUS. aicolis in mamilla prominula positis, folns vindibus ghbns *el patcc pilosis, ladicibus nullis, cauliiis numerosis sul)ac<|ialicr *pasi> ovuii vel oblongo - ovalis acutis, inlci jonhus basi angustais subse&sihbus, supenoubus basi rotunda aicte sessilibu* bievilei acuminniis, omnibus dentatis iJcniibu* ovalis)anc(olalisve pateiitub vel amroi*um versrt, medns longioubui caule infcme piloso subaspero, supcme glabio laeviusculo stncte eieuo, apic<e iimoso. caudice abbreviate* um—multicauli — Ab II habaudo L differt IOLIS hiriilioiibus, In&i \oic coidali bCiniamplexicaulibu^, caule saepe cum folus colore inbo'lo suffuso — Ifalnai in s\l<ilicis aigillosjs pi ope Lugdunuin Galloium
- 195 II KO(IIIAMM Jonl I c p 19 no 19 f—Pedunculis in\olucrisque pilis plumosis ima basi lantum an is mollitoi albo-hnali>> pubeque stellata enne^ceme inlermiita iaia ulspois mvolucii foliolis linciiihus aticnuatis acutis, iccepintuli alvoolis ad marginem obsoleteum vu dcnniis ad angulos cilio bre\issimo, saepe in flum soluto auctia, wcoli-. in nmmiila piominula posiiis folns canc^centi-vnidibus molliter villosolanntis, i idicalibus IMSI in potioluin atciu.itis vol tontiactis lanceolads oblongisvc, apice fere obtu> IMSI IOIII <> jostice piofundt dcnlilii siibpinnalifldisve, dentibus oblongi? obtu> pucnlibus, cauliiis Z—d subconloubus biexius petiolatis, supremo sessili aciimmio caule villo^o - lanaio bumili, supia ba^in ascendentu, saepe mlra medium billdo iamis eictlis lloxisis clongaus biaclatis 1—2-noiis, caudicis surculis abbreviatas — Ab II and) yaloidi \ill dilfeil pubc lomentosa mullo ranoio pilisque plumoMS coispicue longionbus, folus non obovalo-oblongis, posiicc undulato- v smualo-dentlii, sod polius lanceolaiib, infcme subpinnalilidis — II Liottuidi Koch, (non Vill) — Habitat in inpeMiibus calcaicis inontium Delphinalus
- 196 IJ MLDIIM loid I c 19 no 20 f— IMmculae subcorjinbosao ramis pedunculisque cieciis iioi vntf>, apice piacscitim involuinsque subcancscenlibus birliisque, pilis glandulifcia fuscii^ teninbus densis, in\olucn foliolib lineanbus, apice attcnuaiis acuns icceplaculi alvcolib ad uiaigiicm laliusculum subdcnlaiis, ad angulos cilio lato o\ato - lanceolato, saepe inciso auctis, aieolis paum piominulis ore mmulo apeilis, folns pallide vindibus, saepe le\iici lmcilatis, ad maiginem et petiolos piaesertim mollittii villosis, supia leie ^labns. iculicalibu*: lanceolaiis acummatis, inferne in petiolum limbo leio bievioiem attunaiis, pounce magis iumu^vc piofunde inciso-dentlatis hcmialisvo, lacimis lanceolato line.ubus acuminalis, oinruhus antioisum veis, mfeioiibus dislaniibub, >>ape HI peliulo piopei limbum jam detucicncra exsiantibus, folio <aulmo solilano bievilei pcliolato, caule iiiieine laevi, supcine scabilu&culo eieclo flexuoso, apice inacqualitn billdo, caudis suiculis abbiivialii — II muioium L. & // pcliolan Joid valdc aflinu e<>t, a pnino foliouun loima, a posieioic fains bievius peliolalis it pill* glaiidulo>i:> nuineiO6ionbu& minusque mgijcanlibu±> (Illicit. — Habitat in *)\is montium Delplnnalus
- 197 II MOINTICOLA Joid 1 c p 10 no 21 f — Paniculae (in planla luxuuante) Mibi,»c(mosae, apice coijinbosac vol umbellioimi^ raniu* uifcnoubub oicclib, supenonhus eieclo -palulii vel ^ubaiLiulils, pedunculis pubc canescenlc obduclis, mvolucii Uasi s,subo\ati gldbiiu^culi foliolim line.ubus. obiu&iusculib, sicclate leie nigiiicanlibus adpiesMs, apice iccuivaiiD. Kccpl.icuh alveolis ndmai{,incm perangusluin submlegris. ad angulos cilio lucvi^imo auclis aicolis ininulis loitoi piominulis, folns intense vindibus paice subpilosi* glabris\c. ad maiginem minuti^ime cihalo - denticulatis, ladicibus nullis, cauliiis numcio^ib i>ubacqualiter spaiaii,, ^eusun (kciescentibus erecto-p.itulis oblongo-lincanbiib linoubus\c, ulimque levitei angusaiis parum acutia, omnibus sesMlibus paucidentatis subinte^iisve, dentibus uliinque 1—3 bre\ibus o\auS pnluibus, caule paum clalo, interne hiistulo vel glabicscenle laeviusculo, basi asceu-

dentē \el eicclo subflexuoso, apice ramoso umbellifero, caudice abbreviate) potum multicauli — Ab *H. umbellato* \, dignoscilm florsceniia multo p̄necociori, unolucn foliolib siculalc magis m̄giicanlibus, ligulis iniensius fl̄nvis, p̄tdunculis teinnnalibus magi* pamli., fo'us. conspicuc brevionbus ft̄ c̄n̄lc humiliore, minus muhicauli. — Cistit in alpium Delphmalus pascuis e(sylvuhi

198 II OMLONGUM Joid I c p 20 no 22 f — P̄n̄mculdo siibcojmbosac ramis pedunculi*qui patulo-ereclis subponecli*, pa mm incuivatis, apico praescrtim involircii!> que c̄n̄ctcciiibus h̄n̄liMiuc, pilis gh̄ndulifoi is fu»co-atn? lenuibis densis involucn folioli^ l̄menilbus, npicē al̄tr̄nuaiis acumimlis r̄ct̄ptaculi akeolis ad margmem subdentalis, ad ngulos cilio lanccolalo brevi aliens aicolis in mammula brevi positis, ore minuto apeius, **folis**> viudibus, utraque pagma biisutj* \el subdecalvatjs, ad morginom et peliolos lave villosis. radicalibus oblongis, imis fore obtusis, cartons acutis, basi in petiolum limbo conspicuc bieviozem contract^ att̄c̄nuatis\ē, r̄anssime subcordatis, portico inaequalilcr magi* inmusve piofunde mciso-dentatis \cl̄ subinlegns, dentibus lanceolaiis mucionatis, omnibus patentibus, fohis caulim* siepis&une duobus angustatis acummatis breMler pdiolatis, caule subasporo parce villo&o, superne **pilis** atiistenuibus glandulifens adperso diciotome ramoso, siepe in feme lamulis aucio, ram is **pfb**-nbjacteatis, caudicis suiculis abbieviatis — Ab // *muionun* L dilTcit pamculae iamis p̄dunculisque longionbus, fructifens non incuivatis, flonbus ininoubus, loins nunonbus angusioubusque, basi non cordatis, dentibus eoiuin magis pateniibus etc — Habitat in sylvaticis argillosis moniium Lugduncensium

199 H. PETIOLAHE Jord. I c p 20 no 23 f — Pamculae subcoijmbosae abbreviateo iamis p̄dunculisque patulo-eieclit flexuosis subincurvatis longiusculis, apice praescrlim m\olucnsque tomentoso-canescntibu«< subhiiiiM]iie, pilis glanduliTens atns in pedunculo paucis, in\olucu foliolib linoanbus, apicē altenu.uis aculH, icre]>tatuli n\eo-
lis maigmp dentatis, ad angulos riho lanceolato eioso auc̄lis areohs in mammula cinssa valdi¹ prominula positis, ore minuto apeius folns junionbus piaeseiiim pallidis, saepe maculalis, ad m̄mgincm et ptuolos villosulis. c̄n̄clorum glabiescentibus, radic.ilibus longe peliolatis c̄lliptico-oblongis \̄anccolatis\ē, imis tantum obiusis, encten* aculis acummatisvc, ba^J in petiolum limbo longiorcm toniiaclis n̄lenuntisvc, poslice saepiub piofunde inciso-dentatis lacimatisvc, latiniib lanccolalo-liucaiiibus acuminaiissimib' omnibus anlioisum versis, m̄ferioribus disianlibus, sacpo in peliolo propler limbum jam deficientein exstantihus, folio caulino solilano auimmato baud brevilei petiolalo' caule lacvissimo saepe glabcr̄n̄mo, supcinc lanlum lenuiler lomentoso erc̄clo flexuoso, apice bifldo plunlloio' caudicis suiculib saepe longmsculis giacilibus leptmlibus — Ab // *mm oi urn* diflcil folns basi non coidalis. — Habitat in sjlvib el rupcst̄n̄bus montium granticoium pi ope Lugdunum Galloium.

200 II. RIGLNS Joid I. c. no 24 f — Pamculae laxe racemosae elongaiae rarais st̄nclo ereclis vel subflexuosis paruni palulis, supeuoibus coijnibosis, peduncuhs involucnsquo subcanesceniibus subh̄ntisquc, pilis eglandiilosib paucisM̄mis, involucn basi subovati fbholis lineanbus vn acutis, siccitale fere immulaiis, intenonbus adpressis, eitc̄rionbus lovis iccepiaculi alveohs ad maigmem perangustum integns et ad angulos cilio h̄neai i saepe in Ilium solulo praedilis, areolis paium piominulis, folns m̄cdiocnbus, supra intense, sublus pallido vindibus fl̄rmis plains, ad matginem ct paginam infnorem praeseitim subvillosis glabiescentibusve, ladicalibus uullis, caulmis numoiosis patulo-ereclis subaequaliter sparsis lanceolatis aculis sessilibus, infeuoubus basi angustdiis, supenonbuj* basi subaequalibus^omnibus dentatis, dentibus numciosis brevibus lanceolatis aculis subpatentibus. mediis longionbus cum aliis minutis int̄cimixlis caule m̄feine piaesertim piloso etasperobaud fl̄stuloso stride cr̄cto, supeine ramoso' caudice abbieviato uni — mullicauli. — Ab // *ugido* C Fr dilTcit folns mullidentatis, a *H. boieali* E Fr involucn squamis siccitale nan m̄gricantibus folnsquo omnibus subconfonuibus — Habitat in sylvaticis montium granuicoruin prope Lugdunum

201 II. SYLVICOLA Jord I cit pag 21 no 25.—Pamculae subcoiymbosae ramis» erectopatulis, levitcr subarcunlis, apice, peduncuhs mvolucnsque c̄n̄nescnlibus birtisque, pi-

Us glandulifera luteo-fulva, basi marginibus, involucri pappi foliis linearibus apice acuminatis obtusiusculis, receptaculi alveolis ad marginem eximie ciliato-dentatis, ad angulum cilio majore dentato auriculis, alveolis satis prominis, OIL latiuscule obovatis, folus laete vinctibus tenuibus, supra paucis pilis, subius a ad marginem molliter villosis, radicalibus ovalo- vel oblongo-ellipticis acutis, basi in petiolum limbo fere bi-veiolem infundibulum contractis attenuatis, (caulus 3—4 subconformibus bicostatis acuminatis, in petiolum bi-costatis M. filibus omnibus postice paucis dentatis, denticulis lanceolatis ovatisve acuminatis subpalmatis caule inaequaliter subius laevi, superius pilis glanduliferis lenibus. Upperso haud aspersione luteo credo apice lamoso corimboso, interne saepe ramis plumbus autlo caudice casso abbreviato uni — mulucauli — Ab *II umbroso* Joid dignoscitur (Inbus subduplo minoribus, receptaculi alveolis conspicuis dentatis, foliis minoribus profundiusque dentatis, caulo graciliore et humilioris — Crescit in sylvis alpium D. J. plunalis

201. H VAGUM Jord 1 cit pag 21 no 26 f — Pappulae laxae subacmosae saepe abbreviatas depauperatas ramis erectis paucis paucifloris, superius subconformibus pedunculis involucri subcanaliculatis subhirsutis, pilis tenuibus albis glandulosis paucissimis, involucri basi subovatis foliis dorso obscure, margine pallide viridibus, siccatio feie immixtis linoanibus, apice obtusis adpressis, receptaculi alveolis ad marginem saepe ciliato-dentatis, ad angulum cilio lanceolato pappi ifero auctis alveolis vix prominis ore liliusculo <par> lino in nidibus planissimis ad marginem M. filibus pappi villosis glibe crinibusve, radialibus nullis, caulibus numero- bis supra medium cauliculi druse appropinquatis ovalo-lanceolatis lanceo- lae acutis scaberrimis, infundibulum basi angustatis, superius minimis, basi fere aequalibus, omnibus dentatis, denticulis paucis ovalis acutis saepe abbreviatis posticulis, caule multum praesertim hirsuto et apice, superius glabrescente lacvique siccatio sub- liliis, apice bicostatis lamoso caudice abbreviato urn-pluucali — Pioxime *II du- muso*, *vmjullium* ft- *II ugenti* Joid — Habitat in silvicis montium granilaoium Lug- dunensium et in ivanem Mum

LXXVIIa PICKIBIUXI Dsf.

(DC Prodr VII 182 - Wlprs Annal I 462)

- 1 *I' INTHMLDIUM* C H Schultz (Hip) in D Webb. *IMylogi* Cananens II 451. f — Annum, caule subfoliato pleiumque in femore ramoso pedicellis plei unique plunquam- mosis squamis involucri mfeniibus acutis v acuminatis, margine scanoso angustiore sordide vindi-albente munitis, folus obovato-oblongo-lanceolatis subintegris crebre donculatis, denticulis spinescentibus, flore concolore (!) dilute auroo v superne dorso subpurpurascente
- a. *Jann* caule 1— 2-pedah subfoliato dicholome ramoso
- P grauhs* caule spilhamneo subfoliato 1— 2-cephalo — *Sonchus intamedii*, *Chn&tofuui* & Jan — In Lusitania, Uli>pania, Sicilia, Cicia et in insulis Canarus
- 2 *P CRYSTALLINUM* B Webb 1. c 452 f — Differetia *P Tmydano* radice lusiformi 3— 4-pollican, caulibus suffruticosis bipollicanibus, folus conlertissimis hincan-lanceo- Jatis pinnatipinnatis pinescenti-demonis pilisque simplicibus apice in vesiculam ovalem dilatatis obsilis — In Canarus

XCI DCB1AEA DC.

(DC. Prodr. VII 247)

- i* D. RAMOSISSIMA Hance, PI nov Aust, Chin, diagn. inedit. I p 24. — Herba 2—4- pedalis laclescens glaberuma glaucescenti caule erecto maculato pappulaio ranao-

sissimo folio so i amis flonbundis foliis meinbianaceis oblongis, basi amplexicaulibus aunculalia iiegulantet angulato-dentatis baud runcmatis acummntis, supenoribus submtegeinuns cnpitulis plerumque teiminalibus pamculdHs gemmis petlicellatis campanulato-rj limiiICIS 10—15 flous peilicellib esqumnosis involucl squamis ob'ongolinenbus glnhciumis acutis maigme scanosis Imud aculeolatis pedicellis duplo longionbus, biaCleis bracteolisque mmimis, acaenns oblongi* sliiatulo-co&latis, &ecus coslas dentitulato-scalmdis, in rostrum brevem apice in discum crassum subcrateriformem alboimrginaium expansum sensim-attenuatis, pappo molli albissimo deniiculato-scabro nchaemis paulo longiore — *Hrachyrdphus iamosismus* Bnth — Wlpis Rept II 693 no. 1 — Hab in ins Hongkong

XCI (3028) JffUIiCUSDIUII Cass

(DC. Prodr VII 247 — Wlpis Rept II 699 VI 366 ft 733 Annal I 465)

- 1 M (*Eumulgedxum*) DISHIMILENSE G Koch, Lmnaea XXIII 669 f — Glabernnum stride erectum simplex, apice coiymbifei uin lolia radicalia obovato - spatbulata cuspidata dentata, in peliolum attenuata, caulina oblonga aut lanceolata do mat a sessilia, sed aunculis amplexentia, peduncolorum anguste lanteolati mtegcirima, anlhodu cylinduci glaberrimi subimbi icati pbylla extcnora Innceolat?, intenora lincan-oblonga tchaema compiessa, facie extenon in- intenon unicostati, oblonga, pappo albo coronata. — In mootibus Ponticis
- i M SALICIFOLIUM C Koch 1 c — Tnpedale el ultra simplex, ex apice racemoso-panioulatum, glabernnum, folia angubte elliptica sessilia. dentibus pmvis, sed acutis et ciebus. foliorum mfeioiuni cv basi Uiam luncmatis margine instiucta, anlhodu cylindnci imbricali phjlla erubescencia, pappo mulusenali, pallide stramineo vix breviora, achaema (immatura) breMler rostraia — Daikh
- 3 M (*Agalma*) DUBIUM C Koch I c 670 — Caulis eiectus simplex teres, sed eleato-sinatiH, pamcula glanduligra excepta, globerrimus, folia inferiora pmnata aut ternata, diarolona, subtus pallida slabernma. foliola lacialia duo orato-oblonga. supiemum triQdum, lacimis ovalo-lanceolous, omnia inegulanter dcnlau, dentibus apiculatis, folia coulina media lanceolate pciolo dlaio ct appendiculato instrucia, supreraa Integra, oblongo-lanteoluta, integriuscula, antbodii glabn piq lid extenora lanceolata acuta pauca, intenora linean - oblonga, ptpus soidide llavescens — Ad ripas Nansmgii

t Icon addenda.

M MEILGHERRENSC Wght — Wlprs Annal I 465 no 1 — Wght Spicil Neilgh II tab 119

Ordo CXVI. SMIDIEAE *Juss.*

(DC. Prodr. VII. 331 et 782. — Wiprs. Report. II. 704. VI. 367, Annal. I. 466.;

I. (3093.) STYIIDIUM *Swartz.*

(DC. Prodr. VII. 332 et 782. — Wiprs. Report. II. 704. VI. 367, Annal. I. 466.)

- f. ST. SINICUM Hance, PL. nov. Austr. Chinens. diagn. inedit. I. p. 25. f — Scapis pluribus capillaribus compressis crecisiis raris 2—5-pollicaribus subsimplicibus v. parum ramosis laxe cymoso-panicosis, hinc hinc pilos apice glanduligeros gerentibus; foliis radicalibus rosulatis oblongo-rotundatis, apice obtusis emarginatis v. rarius obtuse acuminatis petiolaribus, (loratione^centripetna, crebris floribus in di-vel tricholomiis sessilibus, basi bibracteis: calycis labio nullo bilobo, nullo tripartito; corollae tenellae cellularis lobis 4 inaequalibus [2 positis *few.* duplo majoribus) cuneatis, apice bidentatis albis, basi macula rosco-purpurascens notata, labello parvo lanceolato; capsula gracili lineari 4—5 lin. longa, una cum calyce sparse glanduloso-pilosa.—Hab. in humidis ins. Hongkong Chincensium. — Flos in diametro 3 lin. Medium tenet inter *St. Kunthii* Wall. et *St. lenclum* Swz.
2. ST. HOOKER! Planchon inss. in Van Houtte, Flore des serres VI. 229. + tab. 606. (*Astrangium*) — Caulibus brevibus inferius ramosis; foliis glabris linearibus subulatis setaceo-mucronatis; scapis vel petiunculis terminalibus nudis, superne paniculae glanduloso-pilosis; corollis luteis aurantiaco-purpureis, labello utrinque appendiculato; ovario cylindrico clougato. — *St. mucronifolium* Hook. Bot. mag. tab. 4538. (nec Sonder) — In Nova Hollandia.
3. * ST. CRASSIFOLIUM R. Br. — DC. I. c. 335. no. 34. f - Vriese in Lehm. Plant. Preiss. II. 242. — *Dumppieria? inundata* Vriese. — Wiprs. Report. VI. 390. no. 13.

† Icones addendae.

ST. MUCRONIFOLIUM Sonder. — Wiprs. Report. VI. 369. no. 19. (?) - Paxl. et Lindl. Flow. gard. I. 157. fig. 102.

ST. SAXIFRAGOIDES Lindl. - Wiprs. I. c. II. 704. no. 4.—Hook. Bot. Magaz. tab. 4529. — Paxl. et Lindl. Flow. gard. I. 139. fig. 92.

ST. SCANDENS R. Br. — DC. I. c. 334 no. 26. — Paxl. Magaz. of botan. XV. 149. (c.c.)

Ordo CXVII. UBELIACEAE *Juss.*

(DC Prodr VII 339 et 784 - Wlprs Repnt II 706 VI 372 et 733 Annal. I 46b)

Subordo I. JSUWJOMJEMIACEAE Wlprs. ins*. *Antherae in tubum concretae.*

IV (3068) CL.ERMOHTTIA *Gaud*

(DI Prodr. VII 341 — Wlpris Repeit 11.708 VI. 373)

- 1 CL MACROPHYLLA NuU Tiansoct of the Arame philos soc (New Ser) VIII 251 — Arborestens fohis longissimis oblongis lanceolatis brevii acuminatis, glanduloso-serrolis attcnualis longequo petiolatis, infra secus venas pilosistulis, pedunculis ugidis plerunq; biflou:* calycis tubo tuibinalo, quam lacimae conniventes duplo longioie coiollae lobis lineanbus calycem acquantibus, segmenlis supenonbus coaluis — In insula Oahu.

VIII. (3069) CMNTVLOrOGOTS *PrsL*

(DC. Piodi VII 341 - Wlprs Repert. II 709 VI 373 et 733. Annal I 46b)

- ¹ C. SPKCIOSA Pidiichon m Van Houtte. Flore des serres VI p 16 — Folns allerms oblongis magnis (3—7 poll longis) acuminatis acuus, basi Integra in peiolum circitei pollirarom atenuaus, remote et levitei exscite denticulatis glabris membranaceis subtus pallidis racemo teiminnll biacleato, 2—3-pollicai i braceis snt conpius foliaceis oblongo-ellipticis sessilibus integns subius sicut ihaclus calycisque tiibus bievisune puberulis sesquipollicaubus, calycis tubo semigloboso, lacinns tnangulifri-lanceolaiis acutis pauci-dentatis eiectis longiore, corolla sesquipollitau quoad iormam *iWamCentr. Sunnamensis* aemulante coccinea, extus minute papilloso-pubei ula tubo antheraium eweilo glabio. lostro e pili^ concretis (paucis libens) constante. — Venezuela.
- 1 L FLOCCOSUS Planchon 1 c — Ramflia llondia heibaceis, folns subtus, pedicellis, calycibus toiollisque pube stellate dciersibili. nunc in floccos congesla mdutis vel spiiis, folns dltemis lanceolatis, bn^i in peiolum longiusculum attenuutis (1—2-poll longis) pxqui»ite acummaiis. aigute duplicalo-scenatis membranareis pedicellis anllanhus soliinnis sesquipollicanbua calycis dentibus subulatis recui vis, tubum semiglo-Itosum subaiquintibus jliibaslus apice ro^tnfoimi uncatis, coiollae coccineo-llavae lacinns lineanbus tubo Ulamentorum villoso anlheraium glabuusculo, antice penitillo villorum barbato — Habitat in Nova Granada pi ope Painplonam

f Icon addenda.

^c CORDIFOLIUS nmh — Wlprs Repert VI 374 no 6 — Van Hou lie, Flore des serres IV tab 362

XX. (3058. ft 3070.) L. OBELIA Linn.

(DC. Prodr. VII. 357 et 784. — Wlprs. Repert. II. 706. VI. 375 et 733. Annul. 1. 467.)

1. **L. SIMPLICICAULIS* R. Br. — DC. I. c. 358. no. 8. — Vriese in Lehm. Plant. Preiss. II. 242. — *L. longepedunculata* Vriese. — Wlprs. Repert. VI. 375. no. 3.
2. *L. DUBIA* Vriese in Lclitn. Plant. Preiss. II. 242. f — Caulc ramoso loinentoso; foliis radicalibu9 obovalo-lanceolalis vel cuneato-oblongis nigris, caulinis lineari-lanceolalis; pedunculis terminalibus longissimis unifioiis; bracteis linearibus; calycibus nervoso-prismaticis. dentibus quinque aculis. — Horba annua. — In Nova Hollandia (Perth).
3. *L. SCHIMPERI* Hochsl. mss. in Acli. Richard, Tent. flor. Abyss. II. 6. - - Caule basi suffrutescente ramosissimo diffuso humifuso; ramis gracilibus elongalis lereti-angulatis glabris; foliis alternis obovalibus obiusissimis, basi sensim anguslalis crenalo-denialis, dentibus obtusissimis ciliatis, cacteruin glabris, vix unguicularibus; pedunculis axillaribus us solliariis gracilibus, folio triplo longioribus; calycis glabri laciniis lanceolatis aculis; corollae calyce fere triplo longioris laciniis superioribus lanceolalo-linearibus, labio inferiore longiore triildo, laciniis oblongis aculis subglanduloso-incrassaiis; filamentis parte media inferiore liberis. — Habitat in Abyssinia locis humidis el umbrosis vallis fluvii Taccacz, prope Tchelalchekanne. — Habitu refert *Linnaeae borealis*.
4. *L. CHIEENSIS* Ach. Rich. I. c. — Annu: caule erecto, ima basi simplici, subdichotome ramoso, giacili, 8—10 uncias longo violaceo glabro, decurrentia foliorum hi — iriakuo. alis subciliatis; foliis lanceolalis anguslis, apice acutis aut subobtusis subser-ratis, denlibus vix distinctis apice glandulosis; pedunculis axillaribus unifloris folio brevioribus compressis; calycis tubo globoso echinaio glanduloso, laciniis limbi lanceolalis dorso echinalis; flammcutis basi dislinclis, antheris 2 inferioribus apice barbatais; capsulis globosis subechinalis 5-cosiaiis. — Habitat in rivulis planitie Beless, in provicia Cbire Abyssinia.
5. *L. EXILIS* Hochst. I. cit. p. 7. — Annu glabra, vix digitalis: caulo basi simplici, apice ramoso crasso, flsluloso?; foliis pprcis alternis minimis sessilibus oblongo - lanceolatis acutis, argute dentatis, denlibus uirique 1 aut 2 acutissimis; floribus minimis caeruleis, cuulis ramulos graciles terminantibus?; calycis laciniis linenri - lanceolatis acutis, apice uncinatis, margine distanter ciliatis; corollae tubo cylindrico, labii superioris lobis longe acuminatis acutissimis, labii inferioris lobo intermedio elongalo lanceolate lobis lalerfljbiis subtriangularibus; antheris superioribus apice calvis, dorso ciliatis. — Habitat in Abyssinia pralis humidis convallis flivii Tacazze.
6. *L. INCONSPICUA* Ach. Rich. I. cii. p. 8. — Pumila annua: caule unciali aut sesqui-unciali, a basi ramoso, alalo glabro; foliis parvulis subrotundo - ovalibus obiusis, aut ncnlis, dentatis, basi in petiolum breve'm rftenuatis; pedunculis solitariis axillaribus unifloris, folio saepius longioribus; ovario lurbinato subtriquetro; laciniis calycinis lanceolatis; corollae flssae tubulosae laciniis superioribus lanceolatis aculis, labio inferiore triflido; filamentis slaminum nisi apice liberis; antheris 2 inferioribus apice barbntis. — Habitat in Abyssinia locis cullis inter Maiegouagoua el Dobra-Sina.
7. *L. MUCRONATA* Engelm. Sklch. of the bot. of Wislic. exped. 24. adn. — Perennis: caule simplici erecto glabro, infra folioso, supra nudo; foliis lineari - lanceolalis elongalis acuminatis, argute denliculatis; lloribus laxe spicalis: bracteis linearibus glanduloso-dentatis, inferioribus pedic'ellum superantibus, superioribus eum aequantibus; calycibus hemisphaericis el pedicellis hiniis: lobis calycis subulalis tubum duplo superantibus, tubum corollae dimidium aequantibus; lobis corollae superioribus lanreolalis, inferioribus ovatis mucronatis. — Habitat in Mexico boreali (Cosihuiriachi).

8. L. PHYLLOSTACIYA Engelm. 1. c. adn. — Glabra: caule erecto folioso; foliis lanceolatis obovatis, irregulariter dentatis? sen inferioribus subintegris; spica infra foliosa clongata densiflora; bracteis serrulatis, inferioribus aequilongis, superioribus pedicello longioribus; calycis globosi laciniis subulatis corollam vix aequantibus sen ea brevioribus; Inciniis corollae superioribus linearibus, inferioribus lanceolatis - linearibus acuminatis. — Habitat in Mexico inter Monterey et Cerralbo.
9. L. PECTINATA Engelm. 1. c. adn. — Caule erecto scabriusculo folioso; foliis, bracteis et lobis calycinis pectinato-dentatis scabris; foliis inferioribus oblongo-linearibus sessilibus, superioribus obovatis cordatis decurrentibus angustatis; racemo clongato densifloro: bracteis aequilongis; calycis tubo lobato pedicellum aequante, lobis duplo brevioribus; lobis corollae brevi, lobis superioribus lanceolatis, inferioribus ovalibus, ad medium coalitis; antheris styloque inclusis, 2 inferioribus apice barbatis. — Habitat in Mexico boreali (Goswami).
10. L. DENSIFLORA Paxt. Mag. of bot. XVI. 66. (c. ic.) — Morr. Ann. de la soc. d'agric. de Gand V. 179. f. tab. 255. — Herbacea: caule obtuse angulato glauco glabro semipedali; foliis ovalibus, oblongis acutis serrulatis, margine undulatis sessilibus glaucis; racemo terminali folioso denso, palmato et ultra; corollae cocculcae laciniis superioribus lanceolatis, inferioribus oblongo-lanceolatis. — Habitat, ...?

t Species excludenda.

- L. ELEGANS Vriese. — *Wip* Repert. VI. 376. no. 8.) = ISOTOMA PUSILLA Rnh. (Cfr. p. 1037.)

f f leonea addendae.

- L. CARDINALIS L. — DC. 1. c. 382. no. 138. — Torr. Fl. of New York I. 425. tab. 64.
 L. COELESTIS (?) — Paxt. Magaz. of bot. XV. 103. (absq. diagnosi.)
 L. EXCELSA Lesch. — DC. 1. c. 381. no. 132. — Wght. Spicil. Neilgh. II. tab. 121. 122.
 L. FULGENS Willd. — DC. 1. c. 382. no. 137. — Paxt. Magaz. of bot. XVI. 7. (c. ic.)
 L. INFLATA L. — DC. 1. c. 380. no. 128. — Torr. Fl. of New York I. 425. tab. 63.
 L. NIGOTIANAEFOLIA Heyne. — DC. 1. c. 381. no. 133. — Wght. Illustr. of Ind. bot. II. tab. 135.
 L. SYPHYLITICA L. - DC. 1. c. 377. no. 110. - Torr. Fl. New York I. 424. tab. 62.
 L. TRIGONA Rxb. - DC. 1. c. 359. no. 15. - Wght. Spicil. Neilgh. II. tab. 120.

XXI TUPA G. Don.

(DC. Prodr. VII. 391. - Wlprs. Repert. VI. 378. ft 733.)

1. T. RHYNCHOPETALUM Hochsl. mss. in A. Rich. Tent. fl. Abyss. II. 9. f — Arborea: caule simplici recto arborescente, 12—15 pedes alto, basi nudo, versus apicem dense folioso tereti; foliis maxime confertis sessilibus oblongo-lanceolatis acutis bipedalibus. 2—4 uncias latis. glabris, margine integris. dense ciliatis; spica e centro foliorum terminali, 3—4 pedes longa, rhachi crassa tereti-conica, intus fistulosa, orbibus pedicellatis griseo-violaceis undique tecla; bractea lanceolata acutissima, versus pedicelli partem inferiorem inserta, floribus longioribus; sepalis lanceolatis acutissimis, uti corolla, pedicellus bracteaeque pubescentibus; petalis primum omnino coalitis et corollam oblongam quasi gamopetalam, superne fissam. basi ventricosam, apice sensim attenuatam, in rostro recurvo obtuso dispositis, mox media superiore parte liberis, linearibus acutissimis; colorana staminea calyceae aequante crassa. apice incurva, filamentis pane superiore coalitis, pane media inferiore liberis. — Nomen vernaculum; *Djibbarra*. — *Rhynchopetalum monlanum* Fresen. — DC. Prodr. VII. 596. no. 1. — Habitat in Abyssinia monte Simonsi Oouabit locis 11000—13000 pedes supra mare.

- 2 T SCHIMPIRI Ilocbst mss in A Rich 1 c 10 f tab 63 — faulc arborescente tasi nudo, simplici, ulna pailcm Inodnm folioso folns valde approximalis congesis obovili-oblongis acutis, bnsi sensim altenuatis cl vnldc angustatis margine tenuiur eroso-denlaiis tpmlici membiamcm, supoine glabns, sublus in nevis vcmsque pubentibus, 2 pedes longis, in pailo hion 6—8 poll lalis (lonbus uli in pracedenti dispositis bracteis floras vix supeianlibus lineanbus aculissnnis puluscentibu* pelalis primum intoi sc in unum coalilis mox, nisi m pnrto mfrnoii, disiinctis Imeanbus atutissinnis, columna stamino itch nec aicuala, longion, filanieriiis basi tantum disiinctis — Habital in Abyssinia ad latus occidentale montis Tabei, 8000—8300 p ed supra maie.
- 3 T CRASSICAULIS Hook Bot Magaz t 4505 f — Caule sulTiuticoso erecto simplici rasso folns dolapsis cicatrisaio cano - pubescente TOHS densis in apicibus caulis paleniibus reflexis lanccolatis seu late lanceolate acutis, basi in petiolum bievem altenuaiis, senalis, rrticulaiim venobis, supri vindibus rrollitei pubescentibus, subtus cano-lomoniosis pcdunculis axillnribus solitaiiis unifloiiis folio multoiiis brevioribus, calycis lubo liemisphacno limbi lacimis patenlibus acuminalis, corollae flavo-auranliacao (deinuin coccinac) tubo laieralilei compiesso, limbi bilabioli labio superiore billdo, launns ciectis, inlenoie refleio tnflido. — *Siphocampylus canus* Hort Belg. — In Uiasih

XXII. RHYHTCHOPISTAIiUJi Fres.

(DC Prodr VII 3%) delealur. nam RHYNCHOPETALUM MONTANUM Fres = TUPA RHYNCHOPETALUM Hochst.

XXIII. (3659.) SIPHOC AOTPYIJUS Pohl.

{DC Piodr VII 396 - Wlprs. Repeit II. 708 VI 378. & 733. Annal. I. 468)

- 1 S (*usiphocampijlu**) MANETTIAEFLORUS Hook Bot Mag lab 4403 — Paxlon. Mag. ol boian XV 267 (c ic) — Ciecius humih* suffi utlcosus folns brevissime peliolatis oblongo-ovalis obscure serraiis reticulalis, supra mtidjs, pedunculis sohtarus axillauibus umflons bibracteaiis, folio 3—4-plo br\ionbus florelongitudinefoliorum. ovario lurbinato-sulcato, calycis lacinus subulatis serratis, coiollae tubulosae lateraliler compressae (bicoloi is) limbo subaequali (tlavo), lacinus erecto-palentibus ovato-lanceolatis. — *S ndidus* Hoitul (nee Pohl) — Habitat in Nova Granada.
- 2 S HAMATUS VVendl in Otto ft Dictr Allgem Grlnztng XVIII 138 f — Tomentosopubescens folns alterms petiolaiis oblongo - ovatis subcordatisve acuminatis, basin veisus altPiniatis, opacis, uregularitei calloso-denticulaus, subtus piominenlibus nervosis raccmis lermmalibut brevibus densiflons, biacteis pnmani^ pedunculis dimidio brevionbiis, cub basin pcdunrulorum adnau<, linean-lanceohli*, apice hamatis, in medio 1 vel 2 deniibus annatis, 2 biacclis sccondarns veisus basin pcdunculorum silis minutis pcdunculis eiectis longitudinem corollae aequantibus, calycis tubo turbilunato, 8 nevis callosis, lobis linean - lanceolalis acuminalis hamatis patentibus, tubo coiollno bis torque bievionbus coiollao tubo basi angusialo, domum sensim dilatato CUMato ore conliaclo, lat^raliioi compiesso-angulato puberulo, lacinus subaequalibus elongaiis ncutis cieciis, nmgmc Lilians, anihens glabn<T, inlerionbus apice barbatis. — Habitat in Brasilia
- 3 S EXIMIUS Plnnchon m ^an Houllc, Flore des scires VI pag 16 c ic xylogr — Standons? mtidus ramoium epidermide vitellina, folns confeitis, peliolo brevi supra basin inciassatam peisisientcm loio, patentibus \cl dedexis, lanceolato-oblongis 1—2¹₂ poll longis, basi acutiusoulis, apice acummatis acutis, lelrorsum (I) calloso - serratis

- glaberrimis, subius punctulato - subpapillosis, crassiusculis, nervis reticulatis, supra impressis, subius elevatis, ramis terminali pulchro tubulicari multifloro secundo, bracteis minutis pedicellis recurvo-descendentibus, calycibus corollisque exclus minute pubescentibus calycis dentibus triangularibus minutis, tubo obconico brevioribus. corollae coccineae tubo ultra pollicem, laciniis brevibus longis, antheris longe exsertis, praecurbarum duarum anticarum glaberrimis, dorso violaceo-nigrescentibus — In Nova Granada
- 4 S DLNSIFLORUS Planchon 1 c 18 — Ramis folisque glaberrimis, breviter petiolatis, petiolo basi toito, ovato - oblongis (2—3 poll longis) sensim longe acuminatis aculis, basi rotundatis, adpresse et aequaliter sensatis rigidiusculis lucidibus, flonibus purpureis ad apices ramorum plurimis in racemum abbrevialium congestis, bracteis subulatis longis pedicellis pollicanibus calycibusque puberulis, laciniis calycinis subulatis tubi corollae subpollicans dimidium aequantibus, tenuiter ciliato - denticulatis, antheris longe exsertis, apicem versus barbatus (praesertim duabus anticis) — In Nova Granada.
- 5 S PURDIAEANUS Planchon I c. — Scandens(?) ramis crassis leviter angulatis. petiolis, nervis foliorum, pedicellis, calycibus tuboque corollae papillis crebrens vel sparsis rarisve asperatis, folis (petiolo supra basin incrassatam torto) patentibus vel deflexis ovato - ellipticis (1/2—2 poll longis), utrinque obtusis, margine revoluta callosa-denticulatis rugosis. reticulato-nervis supra nudis. racemo terminali denso secundo multifloro, basi imbricatissimo, bracteis subulatis minutis, pedicellis 6—10 lin longis patentissimis, calycis laciniis subulatis (1/2 lin longis) acutis rigidis glabrescentibus, tubum depressum subaequantibus, corollae tubo brevi (4—5 lin. longo) a basi ad apicem attenuato, laciniis limbi linearibus, fere pollicanibus, antheris longe exsertis glabris, antheris apice barbatis, # In Nova Granada
- 6 S ELEGANS Planchon 1 c 19 — Scandens glaberrimus teretibus ramulis (flexuosis foliosis, folis (petiolo torto) saepius deflexis ovato-oblongis (1—2 poll longis), acuminatis aculis, remote et exserte denticulatis. siccitate imbricatissimis (recentibus verosimiliter crassiusculis), nervis subius prominentibus, floribus coccineis axillaribus, in racemum foliosum approximatis, pedicellis bipollicanibus folio longioribus calycis laciniis reflexis linearibus denticulatis, tubum hemisphaericum superantibus, corollae tubo basi angustato, laciniis late linearibus staminibus exsertis, antherarum tubo lineis 5 et antice pedicello villorum barbato — In Nova Granada
- ? & DENTICULOSUS Planchon I c 19 — Scandens ramulis magis rarisve flexuosis foliosis foliis (petiolo basi toito) saepius deflexis ovato - oblongis (1—2 poll, longis) apice saepius falcato-acuminatis, basi obtusis margine denticulis crebris inaequalibus exsertis ornatis, sicut novelli pedicelli calycesque subius praesertim leviter pubescentibus. flonibus axillaribus in racemos foliosos approximatis, pedicellis folium subaequantibus, calycis laciniis linearibus integris tubum breviter obconicum superantibus, corollae violaceo-curmineae vel lilacinae tubo integro basi angustato, laciniis linearibus duplo longioribus, staminibus exsertis, tubo antherarum lineis 5 anticeque pedicello villorum barbato — In Nova Granada
- 8 S FUNKIANUS Planchon I c 19 — Scandens, pubescentibus vel rufidula indutus, foliorum pagina superiore demum glabrescente laciniosis, petiolo unguiculato basi toito patentibus vel deflexis ovato-oblongis (1/2—2 poll longis; apice rotundato-obtusissimis) basi leviter maculatis obtusis, margine tenui repando - denticulatis, pedicellis 5—6 lineis solitaris. folium aequantibus creberrimis laciniis linearibus oblongis denticulatis reflexis, tubum exsertentibus corollae cocineae tubo circiter aequantibus, antheris praesertim barbato duarum anticarum glabris
p. *mgosus* folis leviter bullosis - rugosis — In Nova Granada
- 9 S SCILIMMIANUS Planchon 1 c p 34 c ic xylogi — Standens ramulis angustis. foliis subius, pedicellis flonibusque exclus glaberrimis, lobis nullis, petiolo unguiculato

Ian basi torto, patenlibus vel deflexi«, late ovato-elliptico-subrotundis (l'A poll longis) utnque oblusissimis, apice saepius leviter einarginali2>, margine tenui revoluto obsolete repando-denticulatis, pedicellis axillaribus patentissimis folio longioribus, laciniis calycis reflexis late hinc intogens, lobum obcomcum vix excedentibus, corollae purpureo-violaceae, secus \enrem lueine lubo feie bipollican, basi sen^im consinco, tubo antherarum praeier barbara anticani apicis glabro, fiucius immatun parle libera conica pattern ovano connatam excednic — In Nova Giaruda

10 S LAEVIGATyS Planchon 1 c 34 — Glaberrimus lucidus folus allerns, petiolo unguiculato, basi torto, patenibus \rl dollexis, breviter ovalis (l'A — 2 poll longis), apice saepius subtus lecurvo-acutiusculo, margine inteidum ropando-denticulatis pedicellis axillaribus patentissimis folium s-upeiantibus vel aequantibus, calycis laciniis linear-oblongis foliatis, fere semipollicibus*, exserte denticulatis, lobum depiesso-obcorucum tnplo excedentibus corollae coccinae plus quam bipollicaris lubo basi sensim conbucto, antheris praeier baibam duaium anticarum glabris — In Nova Gianadd

11 S. MOLLIS Planchon 1 c 36. c ic xjlogi. — Undique pube molli brevi cinerascenie indutub folus alteims breviter pculati^, patenti - erecis ovato - oblongis, (2—3 poll. longis) acuminatis acutis adpresse spirulatis, n i vis secundarns paucis alterms obliqui* pedicellis ad axillis foliorum superioium solitams folio brevioribus, supiemis pluiimii in lacemum biactosum sal coufeium digestif, bracteis linearibus 6—12 lin longis, apice >aepc hamalis pedicellis smell* erccio-palenillus, calycis lurbmali denlibus inleguusculis lobum vix superantibus, corollae rubro-auranliacae lubo pollican Jaciims longiore, <ianiinibus exsertii,, amhens glabris lutescentibus, antheris duabus apice bai balis. — Venezuela

12 S POLYPIHLLUS Planchon 1 c 36 — Yirgatus, undique praeier paginam supenortm folioium sUminaque puberulus caule (an ramo?) recto crasso scmiheibaceo meduloso, siccitate sulcato ot decurrentia peioloruin coslato, folus crebris conferiis alternis patenti-ereclis, petiolo brevissimo susienlis, ovatis vel ovaio-oblongis acuminatè acutis, denticulis obtusis approxiraau^ serratis, DPI vis secundarius obliquis, pagina supenoic saturate vindi mtida, flonbus in axilla foliorum solilais, podicollis sosquipollicanbii6, folio brt\ioiibus, caljci-* tubo scmiellip^oideo, laciniis ianccolato-lineares mtrgras eiectas acqidnte, corollae scsquipollicans coccineae (?) laciniis duabus supononbus latiu>culli>, lateralibus jnfenoreque hinc hinc, tubo antheriarum \ix exsorto, praeter barbam anticam glabro — In Nova Granada

13 S LASIANDRUb Planchon 1 c — Undique magis rariusve donse pubescens caule lamobO, i am is, difTusis vel subscandentibus (?) semilignosis, lous ulierms, petiolo 4—10 lin longo. oblongis (l^/«—3 poll longis) basi levner inaequali subacutis, apice mteidum obtusato saepe acutis, muigine inaequali et exseito denticulans, subtus ieliculato-nei\osis. pedicellis in axilla folioium solilais paienli-ereclis, 2—3-pollicanbus tdlucis tubo longe obconico 5-costato, lacinis subulate scmipollicanbus bie\ioiibus, corollae scsquipollicaris coccineae (>) lacuna sulntqualiter late Imeanbus, lubo llamontorum hirsuto, antheriarum hirsutissimo — In No\|a Gianada habitat

t Icone* addendae.

S GLAUDULOSUS Hook - Wipis Annal 1 468 no 2 - Van Houtte. Flore des seires IV tab 401.

b ORMGNYAMJS Alp. DC I. e 405 no 47. - paxUm a Liidl. Flow. gard. I. ill. iig 78 — Van Houtte, Flon ds> scueb VI 15 iab. 544.

WVL (3060) *IiillREffittII Mtchx.*

(DC Prodr. VII 409)

- 1 'L PUSILLA Alph DC. I cit 411 no 10 — *Lobelia elegans* Vriese. — Wlprt. Repeit VI 376 no 8. — *Isoloma pustilla* Both — Vriese in Lehm Plant Preiss, II 2U

† *Genus excludendum*

VL AM ING IA Vnese (Wlprs Repert VI 381) jam o vai to aupei o a Lobeliaceis longin-
'que diversum, ad YIOLAGEAS referenda

**Subordo II. CITPBIJLCEAE Wlprs. m<s. -
Antherae liberate v. in annuluin oonniventes.**

(CYPHIACEAE Alph DC Prodr VII 497 ft 792 — Einige Bemerkungen fiber dje Fairulie der Cypbiaceen von Dr G WALPERS, cf Schlichtd ft Mobil, Dotan Zeitung X. no <8)

XXVIII (3041) CYPH1A *Berg.*

(DC Prodr VII 498 ft 792)

1. f STIENO B Webb in Hook Niger Flora 148 — Caule ekmgato sarmentosb tenui flexuoso heibaceo glabornmo vel superne parcissime piloso basi squamulato, folns djs- tantibus glbns sparsim gtdiiloso-deniiais acutis, mferionbus tnanganbus, supeno- nonbus linearibus floribu? in nxillis foliorum summorum ^olitarna pedicellatis, pedicello Illiformi pubuulo, supia medium bibiacieolato. bracteolis linean-spnbulatis iniegern- mis vel denticulalis, calyce turbmato quinquefldo, tubo brovi inter costulas pubescente, lacimis lubo duplo longionbus linean-oblongis oblusis, infra medium laciniato-denlatis ghbrntic, corolla calyce tnplø longiore, apice puipurca, subtus lulescente, ultra me- dium tubulosa, tubo leviiè incurvo bilabiato lacimis aequalibus, tnbus supenonbus arreclis lanccolatis acutis, extus glabns, julis albidis pubesceniibus venosis petalis mox b&»i solulia, sinmimbus quinque, tubo corollae inseilis subdimidio brevioribus, fllamentis libenssbasi lauonbus, supeiionbus apice pilpsulis(sijlo siamimbus brevioribus ciasco glabro complanoto, stigmato simplici loiundato sublalerali. ovulis a placenlis ad apictna loculi cujusque si us pedulis — Habitat m insulis Capnis Vmdis.
- 2 C GLANDULIFERA Hochst m*s in Ach Richard, Tent fl Abyss II 8 tab. 64 — Radice tubtrculosa, tuberculo ovoideo albo fibrilloso, nuccm Juglandis aequantu caule erecto simplici spiihamaeo tereti glabro, apice basique nudo, folns 3—5 in parte media caulis alterms approximaus sessilibus lanceolatr8 acutis glabns, maigine distanter den- ticulatus, dentibus angustis mcrasaaiis flonbus par\uli& lacemum simplicem ihslincii- fforum effTormanibus brevissime pedunculate, basi bractea lineari sufTullis, cafycis lacimis laoceolatus acutis petdlis angustis spathulato-lanccotati^ acuiis, m medio an- gustronbu^ basi pauhsper sensim Idiionbus submaequalibus stamimbus libens petalis mplo brevionbus, »pice baibdtrs, fib men Us planis margin e ciliaus — Habitat in Abyssimae pratis convaHi9 fluvii Tacazze

XXIX. *IVEUUX¹LIADUS Nutt.*

(Nutt Transact of the Amenc philos soc [New Ser] VIII 254)

Gajycis tubus turbinatus ovano adnatus, limbus qumquehdus su!>dequahs. Coiolla lmgtns fribba quinqucfida non lubulosa, labmm supenus foinicatum bihduin, scgmmtis incmbianagcis, acstnacione subvalvaced. Stamina quinquc, lilamcnlis libens set! in lubum conniventibus, coiollac adnatis, antlieus ovalibus libens in annuluni conniventibus Stigma annuldie bilobum absque indusio propno. Capsula semisupcia polYsperma, infra biloculans, apice valvis quatuor dehiscens. Semina sphatiica impiesse punctdta et stnata, albumine cainoso oleoso. — Herba in California supenore crescens annua v biennis paiva ramobissima Jactescens folns alternis paice dentatis, supenoubus lineanbus integns, ramis dichotomic, flonbus mmutis albis axillanbus, pedunculo longo fihfoimi sutiultis

1 N RAMOMSSIMUS Nutt 1 c — Caulis pars inferior et folia radicalia spathulata mcisodeniata liusuta foln supenoia semilineam lain, carnosula, rami procumbentes rigidi dichoiomi, ptdunculi senupollicem longi, corollae Ubn supenons srgmenta falcata numiniiii hltium infcnus indentaum breussimum, dentibus ovatis obtusis Anthelae biloLulaics albae breves — In California supenore ad St Diego

XXX. *CIPHOC\RrUS Miers.*

(Miers in Hook Lond Journ of bot. VII 72)

Calyx oblongus o^a^o adnatus, limbo supero persistenti, bie\itei tubuloso, piolunde quinquendo, laciniis erectis subinaequahbus lineanbus, ietiorsum mucionato-dentatis ngidis, fructifer demum auctus Coiolla peisistens, insertionc epigyna longe tubulosa, tubo cylindnco pentaf?ono, an^uJis hispidulis, limbo bilabiato tubo duplo brevioie, labio supeuoio craleato, textura crassion (exceplo nervo dorsali) glabro, coloralo, maigimbus alatis tenuibus, lobo unico oblongo superato, labio infenore imo in palatum gibbosum phcato, plicis tnbus lmeanbus intus prominentibus, apice usque ad medium in lobos qualuor oblongos partito, lobib omnibus 5 textura delicatula acqualibus, aestivatione mduplicahb Stamina qmnque aeqmlia inclusa, supi i medium tubi in-seita, limbi laciniis altcma, filamenta graciha dilatata, medio nenulo conlidh baibaln, anthtrae Imcaics, lilanicntorurn longitudine, basifixae biloculiics, loculis coll.ileialibus, niarginc nrna longitudinal! dehiscen-tibus Pollen ijjobosum simplex 0\anum infrum cylindraceum sub-penta^onum mcmbiariaceum biloculare, loculis uno antico, altero postico, dis&epimento membianaceo tenuissimo, medio placentifcro, a panetibus cito soluto et evanido, placenta centiah tune omnino hbera, ie \era deinde uniloculaie, ovuhs pluiimib ascendcnlibus Stylus uliformis, tubo corollae paulo longiusculus omnino glaber, dpice sub galea re-ilexus, basi annulo brevi integro carnosio cinctus Stigma capitato-bilobum, lobis crassis, in alabastro clausis, demum reflexis glabiis, in smu glandula centiah viscosa instructum Capsula cylindnca conica stnata, postice gibbpso-\entncosa, coiolla calycisque laciniis foliaceis persistentibus coronata, uniloculans slibfolliculans, vel sulura longi-tudinah postice dehiscens, placenta nunc omnino soluta, in taeniam

angustissimam centralem liberam seminigeram (rarius medio fissam) cum stylo persistente continua. Semina plurima (circiter 40) patentia vel suspiciensia, breviter slipitellata ovata, testa longitudinaliter costata, reticulato-scrobiculata, apice chalazā subobsoleta notata, albumen carnosum, embryo axillis tercis, fere orthotropus, radícula tereti irrtferā, hilum spectanti, cotyledonibus ovalibus paulo latioribus multoties longiore. — Herba Chilensis rigida, lora scabrido-pilosula: caulibus perpauca, e collo ramosis erectis. Folia fere radicalia oblonga acuminata, basi in peliolum decurrentia nervia, grosse spinoso-dentata, folia caulina terna aequalia sessilia, quorum duo lateralia (bracteae) e basi ovarii utrinque orta rigida linearia spinosa-dentata, florem solitarium sessilem involucrantia persistentia. caullbus tunc in inflorescentiam quasi spicatum redactis.

1. C. RIGESCENS Miers I. c. 63. f — Folia radicalibus oblongis, grosse dentatis, dentibus mucronato-spinulosis, rhinchi marginibusque rutilagineis rigidis, in peliolum decurrentibus, inox caducis, caulinis bracteisque consimilibus linearibus laciniisque calycinis runcinato-dentatis rigidissimis persistentibus, ramulis subspecialis subflexuosis, e basi ortis, ascendentibus. — Crescit in **Chili** (Coquimbo).

XXXI STĀKEIJGSKIA *Hook. fl.*

(Wlprs. Annal. I. 468.)

Ordo GXVII. CAMPANULACEAE DC.

(DC. Prodr. VII. 414 tt 786. — Wlprs. Repert. II. 709. VI. 381 & 734, Annal. I. 468 a 998.)

Tribus I. WAHLENBERGIAE Endl. — DC. 1. c. 414.

I. (3071.) JASIOHTIS *Linn.*

(DC. Prodr. VII. 415. — Wlprs. Repert. II. 709, Annal. I. 468.)

1. J. CARPETANA Boiss. et Rout. Voy. bot. App. p. 745. f — Caespitosa: caulibus humilibus, interne dense foliosis, superne longe nudis scapiformibus; foliis intus rotatis brevioribus, caeteris sparsis, omnibus lineari-spathulatis oblongis subundulatis, interne ciliatis; bracteis ovatis argute dentatis flores subaequantibus; floribus pedicello calyce breviori suffultis; calycis glabri laciniis sotaceis lubo triplo longioribus, corolla brevioribus. — In pascuis Hispaniae meridionalis supra Miraflores.

II. (3072.) MOHTFOOTIA *Writ.*

(DC. Prodr. VII. 417 tt 786.)

1. L. ABYSSINICA Hochst. mss. in A. Richard, Tent. fl. Abyss. II. 1. — Perennis: caule erecto ramoso sesquipedali; ramis virgatis striatis teretibus glabris basi hirsutis; foliis lanceolato-linearibus glabris aut pilis raris hirsutis, margine obsolete et disianter dentatis; floribus parvulis pinnulam nudam terminalem ramosam efformantibus. . . . ; capsula obconica subpentagona glabra, limbo calycino coronata, apice libero conico acuto trivalvi. — Nomen vernaculum *Sar-Sara*. — Crescit in montosis provinciae Chire Abyssinae.

1U (3073) CEPHA & OSTIGMA *Alph DC.*

(DC Piodr VII 420 — Wlprs Reperl I 381)

- 1 C SCIMPERRI Hochst mss in A Richard, Tent floi Abjss II 2 — Annum percussillum. caule erecto simpliciusculo aui ramoso, 1 — 6 uncias alto, hincello fo III ovalibus aut ellipticis, basi in petiolulum dtenualis acutis aui subobtusis, margine subdentato-undulatis, superne et sublus in nems pilis quibusdara ngidis conspersis flonbus mmimis ramulos tcmiriantibus. tubo calycis turbmato hispido, lacimis erectis lanceolalis acutis. corollae quinquepartilae lacinus lanceolalis acutis caeruleis, stigmale capitulo trilobo, lobis obtusis capsula hispida, apice glabra acuta inloculan — Crescit in Jocis humidis in arenosis convallis flavii March in Abyssinia

V. (4077) PLI ^ TYCOBOR Alph. DC.

(DC Prodr VII 422.)

- 1 PL GRARDIFLORUM Alph DC 1 c. — Hance, Diagn. pi. nov. Austr. Chin. med. II 12 — Phnm infra descnpta a cl. hortulao Fortune in collibus circum urbun Amoy locisque aliis rperta est, et ab eo in hortos Anghae introducla, dein a me in rupibus mantimis insulae Hongkong lecta Haac pro vero *Plalycodone giandiflora* liabco nonnulli autem inter Anglos botanici putant, llam novam constituere s§ciem. qujpropter diagnosin ex vivis specimimbus dedi, ut dijudicent boianici, pratisertim ROSSICI, num sit revera distmcta — Radix peicnms Caulis sesqui— tripedalts ereclus teies hete vindis vel glaucescens subsimplex, glabernnms, lacte acrido scatens Folia sessilin ternata. infenora elhptica vel elliptico - lanceolalB, superiora lineana, sursum valdc decrescenlia acuminata, argute serrata, sublus glaucescentia Flores axillares solitam, alter terminalis, magis minusve longe pedunculati ampli Calcis glaucescentis tubus cjathimorpbus. lacimae tubo bis longioies subulalae Corolla pulchre et intense c&erulea, vems snturaionbus retitulaia. hypocralenmorpha mai cescenti - persistens cahtis (acinus duplo longior, vix ad medium 5-paitita, lacinus erectis tngulatis acutis Stamina orta ex apice squamae laiae coeruleae ciliatae, fljamenta brevissima, antberac oblongae, st\lo duplo brovioies Ovtnum 5-IocuIare, loculis multiovalalis, stylus corollae medium attingens fliformis. stigmata 5 crassa. primo conniventia, demum exquisite revoluta Capsula semiinfera ovata, apice conico-producta, loculicide 5 - valvis Semina innumera ovoidea Floi es polhcares. Folia 2 poll, longa, 8 lin lata, suinma Vi poll longa, 1 hn lata

IX. (3079) WAHL,teJVBERGIA *Schrad*

(DC Piodr VII 424 a 788 - Wlprs Reperl II 710 VI 381. Annal I 468)

- 1 W CRISPA N ab F Del sem hort Vraaisl 1850 coll p 3 adn — Caule perenni basi ramosissimo ramisque decumbeniibus ascendontibus. basin \ersus hispidis. supeine ad augulos reirorsum scabris, lamosis folns infenonbus approximatis opposiis nW* nisve, imis obovaiis in petiolulum attt nuaiis obiusis vel acuuusculis undulatis swuaW^ jepandis hispidis. leliquis oblongis lanceolalisque subundulatis rejiando-subdentaiis dentibusque acutis, summit lineanbus integernmis glabns. pedunculis unilloris elongatis. flonbus subcernuis calycis lubo obovoidto lobos luangulari-lineaios aequante. corolla rotaio-campanulata, limbo piano -paiento lobis calycis subiluplo Jongiore. siigmatis lobis ovalibus crassis. fructu ovoideo glabro — Habitat in Armenia

2. W. PUSILLA Hochst. mss. in A. Richard, Tent. fl. Abyss. II. 2. — Gaespitosa : caule diffuso procumbente ramosissimo; ramis teretibus orbicantibus glabris, basi nudis, apice tantum foliiferis; foliis confertis parvulis oblongo-spathulatis obtusis, basi in petiolum longum attenuatis, margine obsolete et distanter crenato-dentatis. ciliatis; flore parvulo ramulos terminante, inter folia subsessili; tubo calycino obconico nudo, laciniis limbi lanceolatis aculis integris glabris; corolla oblongo-campanulata glabra, limbum calycinum duplo superante, apice quinquefidua, laciniis semiovalibus, apice obtusis; capsula subglobosa, limbo calycis coronata glabra triloculari; seminibus ovoideis. — Habitat in pratis montis Bouahit supra Entchekab in Abyssinia provincia Semiene.
- ³ W. SILENOIDES Hochst. mss. ex A. Rich. 1. c. 3. — Pusilla: caule ramosissimo caespitoso, basi quasi suffrutescente; ramis virgatis elongatis glabris, junioribus pilosis; foliis alternis minimis sessilibus, ellipticis aut lanceolatis acutis, glabris aut pilis conspersis; floribus parvis ramificationes caulium elongatas nudas strictas terrainantibus; tubo calycis glabri elongato gracili, laciniis tubum vix aequantibus lanceolatis acutis integris. — Habitat in rupibus et saxis prope Entchekab in Abyssinia provincia Semiene.
4. W. PREI & TRIESE in Lehm. Plant. Preiss. II. 241. + - Hispida et subsericea, simplex erecta: foliis integris vel subdenticulatis lanceolatis, lineari-lanceolatis obovatisve, superioribus junctis; calyce tubo obconico prismatico longo, calycis laciniis triangulatis; laciniis elongatis; seminibus minutissimis. — In Nova Hollandia meridionali-occidentali.
5. W. SIMPLICICADLIS VRIESE T. c. f — Gaule stricto simplici unifloro subaphyllo, basi folijs eiguibus, linearibus lineari-lanceolatis instructo; calyce ovato, limbo quinque laciniis aculis linearibus instructo; stigmatibus post antheras longissime exserto. — In Nova Hollandia meridionali-occidentali interioribus.
6. 7 VRIESE I. c. 242. f — Caule simplici, ramoso stricto; foliis linearilanceolatis acutis, subdenticulatis; calyce elongato; corolla magna, cyanea; stylo elongato, stigmatibus incrassato trilobis exserto; fructu 5-loculari. — In Nova Hollandia (York).

f **Icones addendae.**

- W. AGRESTIS A. DC. 1. c. 434. no. 55. — Wlprs. Annal. I. 468. — Wght. Spicil. Neilgh. II. tab. 123.
- W. JNDICA A. DC. 1. c. no. 56. — Wlprs. 1. c. — Wght. 1. c. tab. 124.

XI. (3081.) ROETILIA Linn.

(DC. Prodr. VII. 445. ft 790. — Wlprs. Repert. VI. 382.)

1. R. CILIATA Linn. — DC. 1. c. 446. no. 3. — Van Houtte, Flore des serres V. tab. 517.

Tribus II. CAMPANULEAE G. Don. — DC. 1. c. 449.

XII. (3082.) PHYTEUMA Linn.

(DC. Prodr. VII. 450. — Wlprs. Repert. VI. 382.)

1. PH. (*Podanthum*) KOTSCHYI Boiss. Diagnos. plant. orient. nov. XI. p. 71. — Caule simplici virgato erecto, inferne folioso, toto pilis deflexis albis tomentello, superne glabro;

foliis inflmis brevissimc petiolalis oblongis.acutis, mtenediis ses»ilibus oblongis, supe-
 rionbus e basi cordata iriangulau-ovalis acuminatis, sensim in bnctcas decreaceni-
 bus. omnibus utunq br^viter setulosis, argute pectinaio-serralis, dentibus ascen
 denti-mcurvis flonbus minute in fasciculos sessiles densos in caulis paitc supenou
 remoliusculos ternnnalesque confluentes disposals, bralcis tiangulari-acuminatis, in-
 feonbus basi dentatis flores aequantibus, supenoribus hm< eolalis Integra brevionbus,
 calycis glabemmi lacinns anguste lanceolatis acuiis mho globoso duplo longionbus
 corolla cacrulea glabra lacinus cnlvcinu> tnplo longion — Giescit in monte Tauro.

(3 *obiu8icrenum* omnia speciei, sed folia ut in *Vh Sibthoipiano* obtuse cienata.
 — Crescit in valle Talagon moniis Llbis in Persia

2. PH ASPCRUM Boiss 1 cit p 72 f — Totum setulis sparsis .idpressis pellucidis e
 tuberculo oriis asperum pallide vuens radice verticali cylmdnca crasse squamosa,
 caules plures eictos elalos vngatos simphcissimos, inferne densiuscule foliosos edenti
 foliis tadicalibus paucissimis oblongo-lanceolalis acutiusculis in petiolum us tongiorcm
 attenuatis, caulims sessilibus lanceolato-linear/bus, utnnque alteouatis acutis stiiclis,
 mfenonbus obsolete et minucie dcnliculatis, «uperioribus sensim decreescentibus angu-
 shssime lineaiibus flonbus soliiams vel buns sessilibus, spicaro tenuemjirgatam la-
 xissimam leiminalem formantibus, bractea linean suffultis, calyeis dense et breylssime
 pubescpnus lacinns linean - lanceolaiis rectis, lubo vix aequilongis, corolla hirta caly-
 cinis lacinns tnplo longion — Ciescit m rupestnbus montis Gftra Knrdistaniae..
3. PH (APPADOCICUM Boiss 1 cit p 73 f — Totum pube brevissima'toraentella qa-
 nescens caule crdssmsculo subsulcato, inferne foil050, a parte media alterne vel sub-
 dichotome ramoso, ramis stnclis virgatis elongatis ramulosis; folus obtoftgo - lanceo-
 latis, margine undulatis, tonms^ime et acute eroso - dentioulatis longe attenuato-acu-
 minatis, infenonbus in petiolum longum longe attenuatis. superioribus sessilibus, su-
 premis lincanbus abbreviatis flonbus 2—4-nis in fasciculos broviter pedunculatos
 sessilesve, secus ramos et ramulos distantes paniculnlis, bracleis hneaii-setaceis bre-
 vibus 1 ecus calycis glabernmi lacinns anguste lmtanbus, tubo oblongo-linean valde
 sulcato paulo longionbus, corollae glabiae lacinns calyce vix sesquilonionbus —
 Crescit in monte Akdagh Cdppadociae.
- 4 PH STYLIDIOIDCS Boiss 1 cit f — Folus omnibus Tadicalibus tosulatis bievibus
 oblongo-spaibulatis sessilibus, basi attenuatis, apice rolundaiis undulatis inlegns, mar-
 gine albo incrassalo cinctis. ulnnque paice sub lente setulis retrorsis albis obsitis pal-
 lide vuentibus caulibus scapifoimibus tenuibus ereclis simplicibus glabns, praeterl—2
 foliola ad basin sita minima anguste lineana nudis flonbus paucis solitarus pedicello
 calyce brevion erccio-patulo suffulus, secus scapi partem supenorem lazissime spica-
 tis, inter se remotis, basi tribracieaus, bracleis linianhus inaequalibus, pedicello bre-
 vionbus calycis tubo oblongo minute luberculato, lacinns linean-lanceolatis rectis.
 tubo paulo longionbus, corolla glabra dentibus calycis plus duplo longion — Grescit
 in Caramama
- 5 PH PKSTALOZZAF Boiss I cit p 74 f — Caespitosum folus omnibus ad collum con-
 gestis angustc linean-lanceolatis, apice attenuate, basi in petiolum planum longe an-
 gustaiis, acutis integernmis, margine valde undulatis, utnnque dense et adpressissime
 pubeiuilis canescentibus, caulibus plunbus scapiformibus. inferne foliolo uno alterove
 lineari-si taceo instiuclis piiberulis tenuibus virgatis simplicibus, flonbus soliiams dis-
 tantibus, inflmis pedicellatis, supcuoribus subsessilibus, spicam tenuom longam laxam
 terminalem formantibus, basi inuequaliter et brevis^ime tnbracteaais minimis, calycis
 glabn lacinns linean-lanceolatis tubo oblongo aequilongis, corolla glabra calycims la-
 cimis tnplo longion — Crescit in Lyciu
- 6 PH GRACILE Boiss & Heldr I c f- Glabernnum radice verticali caespites den-
 siusculos edenti, foliis ad collum congestis anguste lineuri-lanceolatis vel hneanbus

- raagis minusve elongatis, in petiolum logge attenuatis acutiusculis integris vel obsolete-
tissime eroso-denticulatis, caulibus scapiformibus erectis virgatis tenuibus, fere a basi
jam parce ramosis, ad bifurcationes inferiores folio anguste lineari sessili instructa,
ramis tenuibus credo-patulis flonibus solitaris pedicello in infimis usque multo longioribus,
in supremis usque brevioribus erecto-patulo suffultis, racemos terminales subpyramidatos
inaxos formantibus, bracteis setaceis periclyo brevioribus, calycis glabrae lacinis lanceo-
latis acutis tubo longe obconico aequilongis vel brevioribus, corolla glabra calyce
duplo longioribus, laciniis* latiusculis — Crescit in cacumibus montis Gheidagh Tauri
Isaunci alt 7000 ped
- 7 PH LINIFOLIUM Boiss fit Heldr. I c 75 f — Glaberrimum caudicibus albicantibus
cylindricis brevibus fragillimis, caules simplices filiformes ascendentes prostratos, inferne
foliosos edentibus foliis anguste lineari-lanceolatis linearibusve tenens acutiusculis
subintegris vel obsolete deniculatis, inferne basi attenuate, caetibus sessili-
bus. flonibus secus caulis partem superiorem solitaris pedicello plumoso puberulo caly-
cy aequilongo suffultus, racemum gracilem laxum formantibus bracteis ad basin po-
dicelli lineari-setaceis: bracteolis ad medium pedicellum minima squamaeformibus
saepae evanidis, calycis glabri tubo campanulas, lacinis seiaceis patulis tubo brevioribus,
corollae caerulescentis partibus setaceis, tubo calycis subduplo longioribus.
capsula ovalis parte sub apice sine dehiscenti. — Crescit in fossis lupium Taun
Paiophylic infra Maria alt. 4000 ped
- 8 PH LYCIUM pels*. I c p. 76 f*) — Caudicibus filiformibus brevibus caespites minu-
tissime edentibus foliis omnibus subradicalibus minutis oblongis obtusiusculis. in petiolum
setaceum usque longioribus attenuatis integris, margine crenatis superne glabris, inferne
sub lente parce bidentatis, caulibus scapiformibus glabris ascendentibus lenissime fili-
formibus pumilis simplicibus, 1—2 foliis minimis setaceis obsitis flonibus 2—4 secus
caulium extremitatem laxo racemosis solitaris pedicellis seiaceis calyci aequilongis
suffultis, bracteis setaceis calycis tenuissime pruinoso-tuberculatis lacinis linearibus
erectis, tubo campanulato brevioribus, corollae glabrae calyce subtriplo longioribus par-
tibus linearibus, in tubum inferne connatis — Crescit in monte fiereket dagh
Lyciae

*) Corolla *Phyteumatum* e sectione *Podantho* ex observationibus tamen Doisier numquam
etiam junior lobis apice connatis habet ut in veris *Phyleumalis* speciebus, inflorescentia
etiam insuper *Podanthi* et *Phyteumalis* omnino absimilis *Podanthum* praeciua habitu
fiori unique dispositione, capsula et characteribus omnibus *Campanulae lapwiculo* et affi-
nibus simillimum est corolla quo quinquemultum tantum differt, sed hoc di-
cimen non satis grave, nam vanao *Lumpanulae* species habent corollam ad medium usque vel ad 1/2
lobatam, *C. lolundijulia* et aliae foimas monsirosas, in quibus corolla ad basin usque in
5 lacinas flosa est saepe exhibent et liansius innumeri inter ocellas lobatas et partitas
in hoc agmine occurrunt. Alius et affinitati naturali magis conforme videtur, *Podanthum*
ut subsectionem *tucodontis* generis *Campanulae* conjungere et sic synonyma dispouere
(Boiss 1 c 76 adn)

* Flores fasciculati.

- CAMPANULA. LIMONIFOLIA L — *Ph. hmoiifolium* A DC Prodr (non Sibthorp) — *Ph.
sticturifolium* Sims — *Ph. colinum* Guss. — *Ph. tenuifolium* A DC. nisi vaneias angustifolia
huius speciei polymorphae videtur.
- CAMPANULA RIGIDA Boiss non Stock — *Ph. rigidum* W
— HESPERHYFFOLIA Boiss — *Ph. Inbdxoides* W
— FONTANASIANA Boiss — *Ph. lanceolatum* W
— PULCHELLA Boiss (non Salisb) — *Ph. pulchellum* F fit M
— RLPANDA Boiss. — *Ph. repandum* Sm — *Ph. limonifolium* Fl Graec. non
— SINAI Boiss — *Ph. Sinai* A DC
— SALIGWOLIA Boiss — *Ph. canescens* W K — *Ph. sahcfolium* Besser.
— MARSCHALLIANA Boiss — *Ph. campanuloides* M B
— SIBTHORPIANA Boiss — *Ph. sibthorptanum* R fit Sell
— AMPLEXICAULIS Boiss. non Mich — *Ph. amplexicaule* W.

XI (3084.) m CHAUXIA *Hérut.*

(DC Prodr VII 457)

- 1 M THYRSOIDEA Boiss ft Hldr. Diagnos plant orient nov XI p 61 f - Peienm* vel bienms? tota brevissime tomentella canescens folns fere omnibus rariicalibus rotulatis oblongis vel oblongo-lanceolatis *m* peiolum *Ulum* bievem altenuatis saepius sublyiatis, lobulis laieralibus utrinque *i-l* mmimis auiculifoiinibus lanceolatis acutis, leiminali mazimo aculo irregularnci et parum piofundo lobalo, margine acute laceio-rlenticulato, caule crasso simplicissimo erecto, lere a basi flonbus subsessilibus, inferne laxiusculis, dein approximate onusio tlyisoideo spicato, bracteis inflmis late lineinbus vel lineari-spathulis deniiculaiis, caetens anguste linearibus deliens aculis, caljci aeqmlongis, flonbus otianus calycis dense et brevissime tomentelli asperuh lacinns 8 lanceolatis acutissimis, tubo heraisphaenco valde ocoatato sesquilongionbu*. appendicibus reflexis tngulau -lanceolalis slngosis parvis acutis, lubum calycinum dimidiuin aequantibus corolla lomentella campanulato-tubulosa ad tertiam partem usque in lacinas tngulau -lanceolatas obtusas flssa, stylo exserto crasso asperulo sligmaubus 8 Jmeaiibus re\olulis — Crescit in flssuns rupium Taun Isaunci in via inter Knimnan et Lrmenek ad dscensum vallis Djoksou all 3000 ped

XVII (3085) CAMPASTUIIA *Fchs.*

(DC Prodi VII 457 — Wlprs Hepert II 710. VI 383. ft 734. Annal I. 469. ft 998)

Sect I *MEDIUM* Tournef. — DC 1. c. 458.

- 1 G PESTALOZZAE Boiss Diagn plant orient nov XI p 62 f — Annu palule hispida strigulosa caulibus lenuibus erectis pumilis, superne dichotomo-ramosis, folns oblongo-lineabus integns adpressiuscule setulosis, inflmis obtusis, basi attenuate, supcnoibus oblongis a basi latiori aculiuscuhs, flonbus in dichotomus el ad rnmulorum apicem laxo corymbosis parvis, pedicello tenui patule hispido, calyci acquilongo vel bievion suffultis, calyce fere ad basin usque in lacimas lanceolatas acutas erectopatulas, margine praesertim ciliato-stngosas partito, appendicibus triangularibus aculiusculis, nllia basin tubi products lacmus plus triplo brevionbus, corolla lacimas calycis vix excedenti campanulata, ad angulos extus ciliaiula, caeterum glabra, stiginatibus terms — Crescit in Garamania
- 2 C HIEROSOLYMITANA Boiss 1. cit pag 62 + — Annu, lota palule valde stngosa caulibus erectis subdichotome ramosis pumilis acute angulatis, folns sessilibus oblongis lniegns, flonbus ad ramorum apicem 2—4 approximate corymbosis, pedicello ca-

CAMPANULA FIRMA Boiss — *Ph Auchen* A DC.

- CICHOUIFORMIS Boiss, — *Ph achonfoime* Boiss.
- CILICIA Boiss — *Ph Kotschyi* Boiss
- ASPI RA Boiss non Don — *Ph asyei urn* Don
- CAPPADOFICA Boiss — *Ph Cappudoctum* Boiss
- MRGATA Labill — *Ph virgalum* W

" *rioics sohtarn*

- STYLIDIOIDES Boiss — *Ph slyhdioides* Boiss
- PESTALOZZAE Boiss — *Ph Peitalozzae* Boiss
- GRACILIS Boiss ft Hldr non alior — *Ph giacile* Boiss ft Heidi
- STENOPHYLLA Boiss ft Hldr - *Ph hmfolhm* Boiss ft Heidi
- LYCIA Boiss — *Ph Lycium* Boiss — Huic subsecioni *C. Persica* A DC et *L multicaulis* Boiss jam ab auctonbus *Camyanulis* adnumeratne omni jure conjungendae sunt

lyce multo brevior suftultis, bracteis e basi latior rotundata oblongis acutis. calyce valde stngoso ad basin fere usque in lacimas lanceolatas acutas erectas parvito, appendicibus ovatis obtusis paulo ultra tubi basin productis, lacimis triplo brevioribus, corolla tubuloso-obconica calyce duplo longior, exius sub lente praesertim ad nervos hirtella, ad tertiam partem usque in lobos ovatos dcutiusculos divisa, stigmatibus terms, capsula nutanti — Crescit ad pedem rupium prope Hierosolyma juxta speluocas Regum et Judicum dictas et in Samaria prope Naplouse

- 3 G. CAMPTOCLADA Boiss 1 cit p 63 f — Annuā, tota pilis patulis albis scabridulis hirsuta caule a basi dichotomo et divancaiim ramosissimo ramisque flexuosis, foliis inflmis ovato-spathulatis in petiolum brevem attenuatis, c&cten* sessilibus ovato-oblongis acutiusculis, basi et apice anguibus ilonbus ad ramulorum apicem subternis, pedicellis hispids rectis, flori ^equilongis, post anthesin valde recurvis bracteis oppositis lineanbus ad medium pedicelli lorum lateralium sitis, calycis brevitei canescentis ad basin fere usque pariiti lacimis a basi ovato-oblonga atlenuatis dcutis appendicibus ovatis obtusis, paulo infra cahcini itibi basin pioductis, lacimis plus dfmidio brevioribus, corolla extus valde hispida tubuloso-campanulata ad terttam partem in lacimas oblongas divisa, calyce plus duplo longior stigmatibus terms brevissimis, capsula nutanti pyriformi, appendicibus subinflaus tecta — Crescit in flssus rupium calidarum ID vallibus Antilibani circa Bamas, saxi arete incumbens et secus ea ramoa suos curvans.
- 4 G. STELLARIS Boiss 1. cit. p 63 f — Annuā, tota pilis patulis albis brevibus stngulosa virens: caule angulato, a basi ramosissimo, superne dichotomo corymboso-paniculato, foliis ovato- vel oblongo-spathulatis, inferioribus in petiolum brevem attenuatis obtusissimis, superioribus oblongo-lineanbus, utnque attenuatis obtusiusculis flouibus pedicello calyce subbreviori post anthesin recurvo suffluis, calycis feie ad basin usque quinquepartiti lacimis oblongo-lanceolatis obusis, margine stngoso-ciliatm, caeterura glabns. flonfens erecio-palulis, iuctifens oxpnnsis stellaiim loiatris trinerviis accretis, appendicibus oblongo-lineanbus cilfatis obtusis, infra basin tubi produciis, lacimis calycis triplo brevioribus coioih caerulea campanulata glabra ultra tertiam partem lobata calyce duplo longior, stigmatibus terms capsula nutanti brevissime obconica, lacimis calycinis horizontaliter stellatis coronata — Crescit in lapidosis duniosis montis Carmeli paulo supra comentum
- 5 C. SULPHUREA Boiss 1 c. 64 f — Annuā pumila, tota pilis sparsis, caulibus patulis, foliorum adpressiusculis singulosa virescens caule a basi patule larooso saepius erecto, ramis elongatis simplicibus dichotomisve, apice 2—3-floris, foliis caulibus sessilibus lineanbus obtusis, ramis brevioribus a basi sublatior rotundata acutiusculis, flonbus pedicello calyci subaequilongo, fructifeio icuio\o suftultis calycis profunde quinquepartiti lacimis lanceolatis acutiusculis, ad nervum medium marginesque lulescenti-strigosis, caeterum glabns, appendicibus ovatis obtusis valde strigosi*, ultra tubi basin non productis, lacimis triplo brevioribus, corolla glaberrima campanulata intense lutea calyce plus duplo longior, ad tertiam partem usque lobata. stigmatibus tibus, capsula nutanti breviter obconica — Crescit in arena mobili pura collium littoralium Synae circa Gaza circa feyrut.
- 6 G. LEUCOSIPHON Boiss et Heldr. I. cit pag 64 f — Perennans ibizomate caules fragillimos filiformes caespinosos parce ramosos ascendentes molliter albo-lanatos foliosos edenli, foliis inferioribus petiolo latiusculo us aequali suffulus, superioribus subsessilibus, omnibus teneis adpressiuscule et molliter canescentibus ovato-rotundis, basi truncatis, utnque 3—5-lobatis lobis triangulanbus acutiusculis, ilonbus in racemos terminates 3—6-floros laxiuscule et subunilinerahlei disposals, pedicello calyci aequilongo vel longior bracieolario jam sub anthesi patulo-incurvo suffulus, bracteis ad basin pedicelli ovatis acutis denatis bracteolis pedicellanbus brevissime lineanbus, calyce dense et breviter albo-lomentello, ultra medium in lacimas triangulan-oblongis acutiusculas partito, appendicibus breviter ovatis obtusissimis, ultra tubi basin non productis, lacimas dimidias aequantibus, corolla tomeniella lactea tubulosa,

apice infuidibuliformi in limbum parum ampliati brevissime quinqueloba calyce tnplo longion, sligmatibu* tubus — (rescit ad rupes umbrosas in valle Speluncarum dicta inter Karaman et Ermenek h>auuac alt 3000 ped

- 7 C MACROSTYLA Boiss fit Heldr 1 c 65 f — Annuā vel biennis caule erecto crassiusculo albo-singosissimo folioso siipeinc dicholomo corymboso 3—5-floio fohū> lineau-lanceolatis sessilibus stuctii oblu^iusculis \indibus adprcssiuscule stn^osis ramis erecto - paluhs uni/lons, folijs paucis minonbus at-ulionbus obsili*. flonbus magnis, calyco vindi ad TIOTVOS et piaescrtiui margines paice setoso ulna medium in lacunas latas lunceohtas longe dcuminnto -aitenuains partno, appendicibus ovatis lalis cucullatis obtusis ulna tubi basin subpioduciis calycis lacimis plus duplo brevioribus corolla, e sicco alba vel flavida ghbm, calyce viz sesquolongion breviter campanulata pitula, in lobos breves latos o\aiio-tnangulares breviter atlenualos aculos divisa, stylo crasso o corolla longe eiscrto in &ti{mi ciassum prius clavalum, dein tnfldum abeunli — Crescii in glaieosis ad littora lacus L^ndii Pisidiae et in saxosis ad Ermenek Isauriae.
- 8 C Sf LEROTRICIA. Doiss 1 cit p 66 + — Perenms vel biennis caule crasso elalo simplici rubcjlō vix angulalo, seiulis bicvissimis retrorsum adpressis sparsissimis aspro folns setulis lniiniis sparsis, praesertim in pagina mfenori et ad nervos aspens ovatis coidatis, ladicilibus lonⁿis&inc petiolatis obtusmsculis, profuode multilubaiis. lobis tnangulanbus o\ itis oblusiusculis., obtuse deniatis, caulims peliolo us bievion suffuliis acue denialo - ituaiu. aitenuato -acummatis, flonbus pedicello tubo caljcis acquilongo, fructifero recurvo suffulus, racemum pauciflorum terminalem foliosum lax inn substcundum formimibus folus lloralibus linean-lanceolatis acutis, mferne scnuldiiis, flores aeqmniibus, cnlycis hciuns Innceolatis aculis, ad nervum et margines regulantei pectinato-smgosi*. cnetrum glabns, appendicibus late ovatis obtusiusculis, tubi basin non excedentibu* smgoso - cihaus, laciniis dimidio brevioribus, coiolla oeiulea paice stugosa, cahecin pimm excedenti tubuloso - campanulata, sligmalibus terms capsula nutanli — Crescit in hum* umbrosis prope Derbend in Persia
9. G GUNDLLIA G Koch, Linnaea XXIII 634 f — Gaulis pubescens ramosus stnatus tcretiusculus, folia radicalia magna r(niformia crenato - incisa, crenis deniculatis, sparse pilosiuscula, ramorum o\aiio-lanc<olata, ramos amplectentia, puberula irregulantei dentata, flores pamculati numciosissimi parvi, calycis lacimae lanceolatae et appendices minores oblongae seluloso-ciliatae — Habitat. .. ?
- 10 C ALUIFLORA C Koch I c f- Pluncaulis caules erecti aut adscendentes 2—3-peddles simplices him, folia radicaln mmora oblonga cienata, caulma infera ovato-lancoolnia cienato -senala. media ci suptn oblongo-lanceolata\ irregulariter mciso-seiraia oinnia, supremis exceptis, peliolo lamina longiou aut aequilongo, saepe lacinus laus insirucio insideniia, pubescentia aut puberula, in pagina infeuon pallidiora, flores lacemosi secundi nutanles, calycis lacinne lanceolatae pubescentes, appendicibus paieniibus, tnplo quadruplove brevioribus iriangulanhtis aut lanccolatis corolla infundilmiformis, maigme et apict intenons paginae laciruarum (liabridta, filamenta ovaia, cilinia anthens libens, geimen albis pilis dense vestJium, stigmata 3 demum revoluta — Daghe<tan
- U C BETULAI FOLIA C Koch 1 c 635 f — Perenms, pluncaulis caules 4—6-pollicaeies erecti aut adscendentes, in feme glbnn, superne puberuli, simplicissimi, folia, margme hirtulo execpto, glabenima poiolata, inferiora rotundata et cordata aut ovaio-obtusa, denticulata, cacteia ovato-acuta, sed basi subito attenuate, irregulariter et acute dentata flores 1—4 axillaies et teimmales, breviter pedunculati, calycis lacimae late tnangulares, in acumen hnteolatiun atienuateae puberulae, appendicibus e basi ovata lanceolads divergeniibus quasi hastatae, coiolla intundibuhfoimis, germen P^u* berulum — In Asia minore in valle Tphahantz
- U * C PILOSA Pall — DC Prodr VII 460 no 18
P Pontica C Koch, Linnaea XXUI 638 f — Pluncceps caespuosa caules pu* bescenies erecti aut cuivatuli simpheissimi, 1-flon, folia margino et pagina mfenori

pilosa, superior! glabriusculd, radicalia primaria breviora, caetera longiora, omnia oblonga obtusiuscula crennlaia, longissime petiolata. caulinn minora, imegruacula, breviter petiolata aut sessilia; flores soliiarii creciusculi aut cernui; cnlycis lacintae oblongae obtusae.* corolla infundibulifoimi-campanulas puberula triplo breviores, appendicibus lanceolalis brevissimis instructae; germen albo-pubescens. — In Ponto.

13. »C. BETONICAEFOLIA Sbth. ft. Sm. — DC. 1. c. 459. no. 11.

[J. *Byzantina* C. Koch; *Linnaea* XXIII. 632. f — Radix fusiformis, annua aut biennis; caulis stride erectus simplex hirlus, pauciflorus; folia infera cordate obtusa, petio'o breviora, caetera ovato-oblonga, peiolo vix longiori marginato instructs, floralia tamen sessilia, omnia birta nut pilosa, crenato - serrala; flores brevissime pedicellali solitarii, patents; calycis lacinae ovato-lanceolatae, dimidiam corollam vix attingentes, appendicibus oblongis tenia parte longiores liirtae; germen 5-loculare, stigmalibus quinis. — Prope Constantinopolin.

14. C. RIGIDIPIILA Steud. & Hochst. mss. ex A. Rich. Tent. fl. Abyss. II. 3.) — Perennis: radice crassa perpendiculari subsimplici; cnule a basi ramosissimo gracili, spithamaeo aut vix pedali, hino, pilis rigidiusculis; foliis parvulis elliptico-lanceolalis acutis sessilibus, utrinque hirtis, distanler et obsolete dentatis; floribus solitariis (magnitudine mediis) ramulos termhiajilibus; calycis laciniis lanceolalis acuiis strigosociliatis hirlis; corollae glabrae lobis aemiroulundis, apico apiculatis. — Habitat in montosis Abysslniae inter,Maygoua-Gouaet Dobra-Sina.

15. G. SARMENTOSA Hochst. mas. ex A. Rich. 1. c. 4. — Perennis: radice ramoan gracili? caule diffuse ramoso stolonifero tereti, pilis conspersis subhirto; foliis obovalilanceolalis obtusia aut subaculis, sessilibus subintegris. margine singo^o-ciliatis, sublus in nervis (antum hirtis; floribus ramulos terminantibus (magnitudine medils); cnlycis laciniis lanccolatis aoutis, margino strigosociliais, appendicibus acutis; corollae glabrae lobis semiovalibus acutis. — Habitat in Abyssiniae collibus regni Choa.

16. C. ESCUIJENTA Ach. Richard I.e.— Perennis: radice perpendiculari crassa subsimplici alba; caulibus caespkosis a basi ramosis ascendentibus piloso-hirlis, saepius spithamaeis; foliis obovali-oMongis subspaihulatis obtusis. basi sensim angustatis vix unguem longis. crassiusculis crenalis, superne subtusque hirtis, pilis rigidiusculis; floribus solitariis ramulos nudos terminantibus. calycis laciniis lanceolatis acutis, mrgine strigosociliatis. appendicibus acuiis brevibus; corollae glabrae calyce triplo longioris laciniis semiovalibus acutis. — Habitat in Abyssiniac loeis saxosis provinciae Ouodgerate, et in regno Tigre¹.

17. C. QUARTINIANA Ach. Richard 1. cit. p. 5. — Perennis: cnule erecto ramoso pedali et ultra, sulcato hispido; foliis alternis distantibus sessilibua oblongo-ellipticis. acutis aut lanceolatis, margine obsolete et distanler dentatis, utrinque hispidis; floribus- (magnitudine mediis) caulis ramiflcotiones terminantibus erectis; calycis laciniis lanoeoletis acutis strigosociliatis; corollae in nervis hispidae lobis obtusiusculis; capsula turbioato-depressa triloculari. — Habitat in Abyssinia circa Memsah.

Sect. II. *QVCODON* Alph. DC. I. c. 466.

18 C. ODONTOSEPALA Boiss. Diagn. pi. nov. oriental. XI. 66. f — Perennis: caulibus erectis glabris simplicibus subangulalis rubellis, basi denudatis. dein foliosis flexuosis; foliis petiolo iis breviori suffultis oblongis, apice magis minusve attenuato-acuminotis, basi rotundatis vel subcordatis, inferioribus obtuse, superioribus acutiuscule denliculalis teneris viridibus, margine ciliatulis, caeterum glabris; floribus ad foliorum oxillas

*) De calycis appendicibus silet cl. auctor, sed quum plantam cum *C. dichotomy* L. compararet, bane speciem bujus loci esse credidi.

bims vel sohtaus, pedicello recurvo basi bracteolato, calyci aequilongo suffuitis calycis lacinnis anguste lineo-hnceo-his paulis vel reflexis aculis paice nigio-denticulati⁹ albo-ciliais caeterum glabris lubo glabro heraisphacno duplo longjonbus corolla campanulas cahce tnplo longion brevitio lobala ad margincs loboium araneobOlobata (>) cartel um glabra capsula nutante ovato-roiunda — Crescit in sjlvic excelsio-bus Ghilani

- 19 C ATTICA Boiss a Heidi 1 c 67 f— Annua tola pilis patulis hispidula caulibus elongatis tencriis decumbentibus vel dilTusis divaricato-ramosissimis folns infimis oblongo-spathulalis, basi atunuaais obtusis subinlegus caulims oblongis denticulatis, denticulis ascendentibus, flonlibus ovatis piofunde tnflidis, lohis lancoolalis acutis lateralibus divrrrgentibus bievioribus anguslionibus flonbus ad dichotonuas sitis lerminalibusque pedicplo tandem recurvo cahce brevion suiTutlis, laxe cymosis caljcis hispidi lacinnis hnceolais ncuuis, tubo breiler obconico 4—5-plo long/onbus in fructu stellatim patrintibus corollh caerulea cmpanulaia ghbia, caljce duplo longion, lobis ovatis capsula nufinu turbmala brevissna — *C drabifoha* Sprun. — Cre9Cit in siccis Aiucac, Aigolidis (i Mcssemae
- 20 C DELIF ATULA Boiss 1 cit p 67 f — Annua, tola breviter et patule hispidulostngulosi canescens ciulibus lenuier flifoimibus nanis teneris, a bast flexuoso-ramosissimis foliis ovatis obtusis bnsi allennialis integns vel obsoletisqime 2—5-denticuhtts flonlibus mmimis acutis ellipticis flonbus pedicello capilian tandem recurvo, calyce bievion suffultis dichotomialibus vel terminalibus soluariis, cahcis patule Inspiduli lacinnis lanceolatis aculis, tubo quadruplo longioribus, coiolla caerulescenii tubulosa extus hiisuta, calvcem parum supeianti, capsula nutanti — Crescit in Cana ad Moglali et in Lyua
- 21 C PODOFARPA Boiss 1 cit p 68 f—Annua, tota brevissime et patule hirsute aspeia caulibus fliformibus pumilis orectis dichotome ramosis foliis minulis sessilibus oblongis obtusis subdenticulntis, floralibus linean-setaceis acutis, flonbus paivis in dichototins sessilibus terminalibusque breviter pedicellatis laxissime corymbosis, caljcisadpres^e strigulo^i lacinnis anguste linean-lanceolatis acutis rectis, tubo quadruplo longiouhus, corolla exlus ad nervos setulosa, calyce subduplo longion anguste tubulosa, in limbum minutum rectum vix ampliata, capsula recta a verlice compressa discoidea, basi in stippiem brevem abrupte attenuata, valvulis tribus ad stipitis basin silis dehiscenti — Crescit in Pamphjlia
- 22 C TRICHOPOOA Boiss I c p. 68 f — Nana perennis caespitosa rosulaia . caulibus extrarosuaibus tenuissime fliformibus simplicibus decumbentibus foliosis rubellis, patule bntulis, saepe numerosissimis intricalis, foliis parvis adpresse tomentello-cmerascentibus losulatis ovato-spathulatis, in petiolum brevem attenualis, caulims supenolibus ovato-oibiculatis brevissime petiolulatis, omnibus mtegerimis, flonbus paucis axillaibus, prdicellis setaceis sirictiusculi« \el flexuoso-incuivis us pluies longioribus suffultis, racemos terminales subsecundos pedicellorum longitudine inaequali subcorymbosos formantibus Honbus parvis, calycis griseo-lomentelli lacinnis lanceolatis aculis tubo bievissimo obconico subduplo longioribus, corolla violacea campanulata, extiis hirta, calyce 2'A-plo longion, lobis breviter triangularibus obtusiuscuiAr capsula ovato-P)iformi recta, valvis tribus ima basi sitis dehiscenti — Crescit ad saxa umbrosa circa ibnlem supra pagum Eden Libam si turn
23. C MYRTIFOLIA Boiss ft Heldr I c 69 f- Perennis pulvinan-caespitosa, tota palule et bievissime puberula cmerascens a^peiula rhizomate indurato, caulibus numerosissimis capillanbus brevibus dense foliosis rectis; foliis mmimis sessilibus ovatis vel ovato-oblongis obtusis mtegerimis firmis subcartilagineis flonbus 3—5 terminalibus, pedicellis setaceis ad medium biacteolatis calyce longioribus suffultis, e foliis supreme breviter exsertis bracteohs setaceis, calycis dense birtuli lacinnis setaceis lectis, tubo subgloboso sesquilongionbus, corolla extus hirsute calycis lacinnis tnplo longion

- lubolobo-caminnuhti, lubo apite vix ampliato, lobis brevibus obtusis rectis — (oscit in Ilssuus rupium vcrlicalium inler Ermenek et Tourtchalar alt. 3500 ped. in Amlolia
- li (LOURIGA Doiss I cit p. 70 f — Perenn* nana dense caespitosa, tola dense et adpiessissime canescens foliis linearibus imbricatis, in femore atenuatis obtusis interponitis caulibus extrarorsalibus filiformibus bicribus decumbentibus foliosis, apice dichotome paucifloris foliis ciliatis minibus strobiliis inferentibus spatulatis, caetulis lanceolato-linearibus interonibus podicellis capillibus flexuoso-incumbentibus usque aequilongis vel longioribus mucronibus bracteolatis suffultis calycis canescentis lacinis lanceolatis, apice sessilibus, tubo breviter obcomco vix longioribus corolla parva hirsuta tubuloso-campanulata, lacinis caelicis duplo longioribus breviter lobata, capsula globoso-obconica, valvulis basilibus dehiscenti — Crescit in rupibus vallis Loura montis Elbrus in Persia
25. C LUCLASTA Boiss I c f — Perenns, tola dense et breviter velutmo-canescens ramosa ramosissimo dense caespitosa, caulibus numerosis fragillimis filiformibus pumilis simplicibus erectis rigidis foliis camosulis, omnibus secus caules dispositis minutis oblongis obtusis, mucronibus magis minusve denticulate-crispulis, inferentibus in petiolum attenuatis, superentibus sessilibus e basi rotundata latiori acutiusculis, flonibus terminalibus. mucronibus solitariis saepius sessilibus 3—4 capitato-fasciculatis. bracteis lanceolatis caelicis hasm cingentibus eo brevioribus, calycis breviter valutini lacinis lanceolatis acutis rectis, tubo obcomco subduplo longioribus, corolla albida, exclus brevissime velutina, calycibus lacinis subduplo longioribus tubuloso-campanulas, lobis brevibus triangularibus acutiusculis — Crescit in fessibus rupium calidarum collium Salehieh prope Dammscum
- 26 C COMPACTA Doiss fie Heldr I c 71 f — Perenns, tola pilis papillosis brevissimis densis letiosis inclinatis obsita canescens compacte caespitosa foliis rosulatis anguste obovatis linearibus spatulatis, obtusis vel acutiusculis parce et obsolete subrepando-denticulatis, margine subintessato albido subundulato, caulibus numerosis extrarorsalibus foliosis simplicibus brevibus unifloris, foliis caulibus strictis linearibus neutris, calycibus lacinis lanceolatis obtusiusculis, tubo brevissime obcomco saepe bombycino-lanato. ramosus glabrescens duplo longioribus, corolla glabra calycibus laciniis subduplo longioribus, inferre ad basin usque in laciniis erecto-palulis oblongo-lineares acutiusculas parvula capsula recta obovata, valvis sub apice sitis dehiscenti — Crescit in regione superior! montis Davros dagh Pisiidae alt 5500—6000 ped
- 27 C SYSPIRCNSIS G Koch, Lmnaea XXIII 639. f — Perenns, pluricaulis. pilis setosis brevibus dense vestita ideoque hirsutissima caules pedales simplicissimi adscendentes aut curvati folia linear-elliptica, inferentia in petiolum brevem attenuata crenulata, superentia sessilia, integemma, floribus 3—5 spicati, eicent, calycibus lacinae lanceolatae, corolla glabra subduplo breviores, germen pilis setulosis atyis dense vestitum — In Asia minore in valle Tschaboutz
- 28 C HEMSCHINICA G Koch I c 644 f — Annuum aut biennis caulis erectus aut ascendens simpliciusculus angulatus, inferne pubescens, superne glaberrimus, folia inferentia oblongo-linearia, superentia lanceolata, basi paene seraiamplexicaulia, omnia glaberrima integemma, flores racemosi, pedunculi stridati patuli nec patentee, elongati, inferentibus subtifloris, pedicellis brevissimis alteris calycibus lacinae subulatae rigidae, corolla multifiduliformi triplo breviores, germen obcomcum globium, seduum kirtellum — In montibus Ponicis
- 29, G PREISSH Vnese in Lehm Plant Preiss II 241 f — Herba glabra ramosa subdichotoma foliis linearibus spatulatis, giosse dentatis vel et rhomboidera longe petiolatis subdecuripentibus, dentibus 4—3 acutis, foliis summis linear-lanceolatis, pedunculis radicalibus tenuissimis valde elongatis, lobis calycibus linear-lanceolatis tubo caelicis brevissimo — In Nova Hollandia meridionali-occidentali

•f *Species valde ilulna*

30 f Dm OFTIANA Ormann B<t /oiinp VIII p 738 f — fiule decumbent folioso
puberulo uninoro 5—b nlllo folns i ulicalihus lemfoimihus cuilmis ovito l uiceol tits
omnibus dcrlicuhtis cnlvcs hcimi*> coiolhm violictim snl>icquintibus l mceol m—
— Habitat in Bohemia (bei Jodchim&lhal und Ellbogen bei Kailsbad)

t Icone§ addendae.

- C ALPHONSH Wall — IK 1 c 473 no 99 - Wlprs Anml I 469 — Wght Spicil
NeilLh II tab 125
L FULGENS Wall — DC I c 477 no 127 — Wlprs I. c — Wght 1 c tab 127 a
Illustr of Trd bol II tab i%
C NOHILIS Lindl — Wlprs, Repert VI 734 no 23 & Ann I 469 — Van Houtie Floie
des sure* VI 9o lab 563
f RAMUI OSA Wall — DC 1 c 473 no 98 — Wlprs Annal I 469 — Wght Spicil
Neilgh II tab U6

XVIIIa HETEROCODotf Nutl.

([Suit Transact of the Am eric philos soc [New Ser.] VIII p 255])

**Cnlyx foliaccus quinquetidus v aboitu 3—4-fidus, tubo adnalo
rotundato-tiubinalo Coiolla campanula^ quinquefida, in flonbus in-
ferionb is nulla \ minuta Slamiua quinque, filamentis liberis quam
antherae broMonbus Shgmata terna bre\ia Capsula lotundata mcin-
brinacea anf("lata, tnloculans, ad bisin irrepulanter rumpens Semina
compicssa tnquetra glabra — Herba annua Oregensis gracihs di\an-
catim ramo^a, pihs retroisis <?par^k? adpres<.is ve<Juta habilum *tampa-
nulae perjoltatae* referent folns altemis bre\ibus rotundatis dentatis
amplexioauljbus flonbus solitarns sessilibns, teiminalibus sohs perfectis
corolhfens, coiollis coeruleis parvi§ genitalia mcludentibus.**

1 *H RAMFLORUM Nutt I c f- Herba pedalis — Oregon, Wahlamet

XVIIIb %UIHT4I7C:i40€UxiARIA C Koch

(C Koch. Linnaea XXIII 690)

**Calycis laciniae 5, membna lineam alta inter se conjunctae, appen-
dicibus nullis Corolla urceolata quinqueloba Stamma 5 hbera, fila-
menlis basi laii§ Stylus columnaiis, stigmalibus 5, denique revoluh.
Capsula qumqueloculans, valvis 5 basi sempei sitis deMfcens, pla-
centae bilobae Semina oblonga — Herba Astrachanica habitu Campaoulae**
1 QU (CAMPANULA Lim Diet I pig 581) CRISPA f Koch 1 c 631 — «Pluicauli9,
caulis tdscendens simplicissimus tcreiussculus glabeinmus folia Infera cordata in-
ciso-serrata sen is serruhtis cnspulis petiolo paene duplo longion alato deniculato
msidentia, leliqua tuplo minora el bieuius petiolata omuia durmscula supra glabra,
subtus scabuuocula nut puberuh floies solitam axilhres bre\is«ime peduncuhn pu-
beruli cnljcn lacunae inter se distantes hnceohtae denique ghbratae corollae la-
ciniae piienies oblongie flnmenin ovato - acula germen 5-stnaiura turbmatum deni-
que glabiatum semina numerosissima nitentiu — In Asia minore, in distr Artahan

XVIIIc. **DYSMICODON** Nutt.

(Nutt. Transact, of the Americ. phil. soc. [New Ser.] VIII. 255.)

Calyx florum superiorum quinquefidus, florum inferiorum imperfeclus v. florum apetalorum 3—4-fidus, tubus adnatus cylindrico-obconicus compressus, an^ulis nullis prominulis. Corolla pelviformis quinquefida. Stamina quinque libera, filamentis glabris, basi non dilatatis quam antherae multo brevioribus. Stigmata terna filiformia revoluta. Capsula lineari-obconica plano-compressa 2—3-ocularis, operculo parvo laterali deciduo dehiscens. Semina glabra sublenicularia. — Herbae annuae in America boreali et California indigenae: foliis alternis amplexicaulibus rotundatis v. ovatis denticulatis; floribus axillaribus sessilibus coeruleis.

1. D. PERFOLIATUM Nutt. 1. c. 256. f — Caule simplici erecto, ad angulos hirsuto; foliis amplexicaulibus latis ovatis v. rotundatis denticulatis; floribus axillaribus solitariis ternisve; calycis lobis in floribus inferioribus 3—4 lanceolatis acutis, tubo adnato dimidio brevioribus. — *Specularia perfoliata* DC. Prodr. VII. 490. no. 7. — Torr. Flor. of New York I. 428. tab. 65. — In America boreali ad oceanum Pacificum usque,
2. D. CALIFORNICUM Nutt. 1. c. f — Caule erecto *implicatus, e basi ramoso, eubean^ulo, pilis patenlibus retrorsisque hirsuto; foliis radicalibus rotundatis petiolatis, caulibus amplexicaulibus ovatis obtusis obscure crenulatis, subintegerrimis ciliatis, floribus solitariis sessilibus; calycis laciniis quarum pariter tubi corollae adnatae attingentibus; capsula apicem versus debiscente. — In California superiore.
3. D. OVATUM Nutt. 1. c. f — Caule erecto simplici. glabro vel ad angulos subhirsuto; foliis ovatis acutis, levissime crenatis amplexicaulibus, radicalibus spatulato-oblongis; floribus in axillis foliorum singulis ternisve sessilibus; calycis laciniis lobi adnati quartam partem attingentibus; capsula apicem versus dehiscens. — *Campanula intermedia* Engelm. rass. — Prope Fort Gibson (Arkansas).

XVIII d. **CAMPYLOCEBA** Nutt.

(Nutt. Transact, of the Americ. phil. soc. [New Ser.] VIII. 257.)

Calyx florum superiorum quinquefidus, inferiorum apetalorum inaequaliter trifidus, tubo longo adnato cylindrico curvatoque, florum perfectorum subtereti compresso. Corolla pelviformis quinquefida. Stamina quinque, filamenta brevissima aequalia glabra. Stigmata duo ovalia abra. Capsula florum perfectorum bilocularis *subteres*, operculo deefduo dehiscens. Capsula florum imperfectorum teres unilocularis, placenta singula parietali v. trifida, ex apice ad basin valvatis dehiscens (fere ut in *Clintoniis*). Semina glabra elliptica compressa contorta. — Herba Arkansana, habitum *Speculariae* referens: caulibus simplicibus v. e basi ramosis; foliis alternis lanceolatis subintegerrimis; floribus solitariis axillaribus.

1. C. LEPTOCARPA Nutt. 1. c. + — Caule angulato, ad angulos hirsuto: foliis ciliatis.
p. *glabella*: caule foliisque glabriusculis. — *Campanula leptocarpa* Engelm. mss.
~ Arkansas.

XVIII. CITHOPSIS Nutt

(Null Transact of the Amenc. phi] soc [New Sei] VIII 158)

Calyx quinquefidus, sejmienla longissima linearla, tubus adnalus obconico-cylindricus. Corolla cylindrico-campanulata quinquefida. Stamina quinque libera, filamentis glabris brevissimis non dilatatis. Stigmata tria revoluta. Capsula involucrata? obconica limbo sinuata, peltatis in lobis inaequalibus dehiscentibus. Semina ovata subtriangularia acuta. — Herbae annuae Boicali-Americanae: caulibus et basi ramosis dichotomis, floribus solitariis terminibus lateralibusque oppositifloris paucis caeruleis et calicis laciniis foliaceis longis vix exsertis, foliis alternis sessilibus sensibus.

- 1 G. SPECULAIUOIDES Nutt 1 c f — Segmentis calycinis tubum suum aequantibus (J. fmsuta omnibus partibus, excepto sola corolla, magis minusve bursulis, capsulae pilis reflexis — Oregon. Vahlmet
- 2 G. CALYPTINA Benth Plant Hbiv 321 no 1820. f — Segmentis calycis tubo suo dimidio duplo longioribus, corollae superantibus. — Folia obtuse serrulata. Calycis tubus per anthesin obconicus, 4 lin longus, post anthesin elongatus, profunde decem-stillicis latioribus 8 — 9 lin longioribus. Corolla lobis duobus lacinarum calycis attingit. Nota omnia cum descriptione Nuttallianae *G. speculanoidis* conveniunt — Cestit in Californiae valle Sacramento

XIX. (3087) TRACHYLIDIA: Pona.

(DC. Prodr VII. 491)

1. TRACHYLIDIA Boiss Diagn plant orient nov XI p 60 f — Caudicibus siccis verrucosis, caulis crebris pumilos (acutulos) simplicibus. Caulis angulato-sulcatus paucis scaberrimis dense foliosis, foliis oblongis ellipticis, basi in petiolum attenuatis nervosis subtentibus vel inaequaliter 2—5 denticulis mucronatis ascendentibus obsitis, margine insuper ciliis ascendentibus vaide acutis, subtus ad nervos albidis punctissime bicutosis, caeterum glabris lucidis pallidioribus sulcatis villosis pollucidis floribus in corymbis umbelliformem mullidiorum, foliis supremis involucratum usque subacquilongum condensatis. Pedicellis selaceis donatissimis, baccis minutissimis setosis, pedicello inuolucris treonibus calycis glabris tubo limbo sinuato apice truncato, laciniis, a basi setosis tubo subduplo longioribus corollae dimidia subbrevioribus. Corolla (e sicco albidis vel carnea?) glabra latiusculo lobulosa bilobis, lobis lupulissimis ovalis tripartitis, filamentis a basi lenissimis, antheris laticordatis flavis, filamentis dimidio brevissimis sensim incassatis lapsulis tuboculatis, vix 3% aequantibus deluscentibus — fides in partibus rupium verticalium calidiorum Sibiriae littoralium ad osium fluvii Nabej el Kclb prope Bejiout

XX. (3088.) AETHIOPORA bisch.

(DC. Prodr VII. 491 - Wlpsis Reppit. VI 387.)

1. AETHIOPORA Turczon. Bulletin de la societate imp des naturalistes de Moscou XXI. 484. — Glabra foliis sparsis linearibus elongatis acuminatis, integerrimis vel inferius

grosse et 1 emote dentatis inflorescentia paniculata floribus tubulosis vel turbinato-subcampanulatis latinus calycibus linearibus integerrimis, germine obovato brevioribus aut illius subaequantibus sive longe exserto nectario dentato lacinis calycinis subnequintis (1/2 lin longo) — Media quasi inter *A coronopifoliam* et *mmsupuloram*, non prior em tamen chnidienibus magis accedit nisi lacinae calycinae germine pleiunique breviores numquam sesqui- vel duplo longiores essent — Ab *A Gmehni* nocturno longitudine aliusque notis lecedit — An *A cotonopijoha* Y* *angustifolia* Fisch? — Crescit in regionibus Baikalensi - Dahuricis

f *Genera ab auctonibus inter Campanulaceas collocata, ad quos ordines remota*

CYANANTHUS Wall (Wlpr Repert VI 388) ad POLEMONIACIAS referatur inter *Polemonium* & *Githium* inserendus

CYPHOCARPUS Miers in Hook Lond Journ of bot VII 11* ad LOBELIACEAS (Cf p 1038) referatur

XMOCOFUS Nutt Transact, of the Americ philos soc (New Ser) VIII 258. ad ERICACEAS translocandus est.

CYPIUACEAE Alph DC Prodr VII 497 & 792 et NEMACLADACEAE Nutt. Transact of the Americ phil soc (New Ser) VIII 254 supra in *Lobelia* spurias enumerantur

Ordo CXVIII. 600DENIACEAE Benth.

(Wlprs Annal. I 470 — *Goodenovia* R Br — DC Prodr VII 502 & 794 — Wlprs Repert II 712 VI 389 ff 734)

I (3040) DAMPiera R Br.

(DC Prodr VII 502 — Wlprs Report II 712 VI 389, Annal I 470)

- 1 D DHUMMONDI Vnsc Nedei Inndsch kruttk Arch II p 8 f — Herbacea ascendens multicaulis, caulibus angulatis, albo-tomentosa nodosis foliis radicalibus petiolatis majoribus cuneatis spatulatisque, caulibus sessilibus cuneatis obtusis, apice quandoque bidentatis, utroque latere pinnatis vel subrepandis, dorso vel in utraque pagina lomentosis, lomento in superiore demum caduco floribus longissime pedunculatis pedunculis (biformibus fasciculatis et umbellatis coeulis in dorso multilomentosis, infero caeruleis — Crescit ad lumen Cygnium
- 2 D OMISSA Vnese I cit p 10 f — Suffruticosa ramosa glabra foliis breviter petiolatis ovalibus obovatis ellipticis. inaequaliter scobris glabrisque pedunculis axillaribus folio multo brevioribus 2—3 (lons vel cymosis elongatis ramosis multifloris corollis externe multilomentosis caeruleis — Crescit in Nova Hollandia ad flumen Cygnium

- 3 D BICOLOR Vriese I cikp 11 t — Sufruticosa ramosa caule ramisque pubescentibus foliis breviter petiolatis ovalibus obovatis integris obtusis scabris striatis obscure M
ndibu» dot so albidis lrviterve flaTescenlibus tomentosis pedunculis axillaribus* (olio
brevioribus uni — bifloris lermm ilihurque nmosis pedicellis flonibusq nigro-plumosis
petalis cotrulpis — Credit in Nova Hollandia
- 4 D CUNNINGHAMII Vneso 1 cit p 11 f - Fruticosa ascendens caule sulcato inmo-
ramis oppositis incumstentosa foliis sessilibus hincolatis n I
pressis et obovatis petiolatis obtusis nervulis supra oblongis uridibus glandulosis
pilis nudis subulosis obscuris fuscis (boculis illoibus sm, ilis V bmis
naxillaribus terminalibusque subsessilibus ciliis griseo plumoso-tomentosis corollis
toerulis* bracteis ovatis suboppositis — Crescit in Nova Hollandia
- 5 D NERVOSA Vnese I cit p 11 f — Fruticosa erecta caule gremio foliis petiolatis
obovatis obtusis integris trinerviis in petiolum subpercurrentibus supra scabris sub-
tus stollatis tomentosis pedunculis axillaribus longissimis. luranio-tomentosis mulu
floris sursum ramosis pedicellis accumbentibus brevibus vel nullis flonibus externe
glandulosis vel nigro plumosis bracteis ovatis baccatis summis linearibus — Crescit
in Nova Hollandia ad Glenbrook
- 6 *D LINFARIS R Di — Vntsp I c 14 (ft in Lehm PI Preiss II 24*)—DC 1 c 504
no 11 — *D awphora* Vriese — Wlprs Reperl VI 389 no 3
- 7 *D CAUOPTIRV DC Prodr VII 504 no 17 - Vriese I c 17 — *D Lindleyi* Vriese
— Wlprs 1 c VI 390 no 7 — *D tualata* Vriese - Wlprs 1 c VI 389 no 6
- 8 *D ALATA Lindl — Wlprs I c II 712 no 3 — Vriese I c 18 - *D epiphylloides*
Vriese — Wlprs 1 c VI 390 no 8
- 9 *D FORONATA Lindl — Wlprs 1 c II 712 no 2 — Vnesel c — *D tngona* Vnesel
- Wlprs I c VI 390 no 4
- 10 *D DIVERMFOIA Vriese — Wlprs I c VI 390 no 11 — Vriese I c — *D pro-*
siata Vriese — Wlprs 1 c 390 no 12

Jia IJINTSCIIOTEIVIA de Vnese

(Vnese in Mitchell Journal of tropical Australia pag 345 adn ficNederl kruitk Arch II 64)

Calyx Miperus, limbo obsolete) Corollae quinquefidae tubo hinc fissis lobis
lobis majonibus margine utroque aunculato-carpis alatisve, duobus
minoribus lanceolatis, interne appendice propna cuculliformi instructis.
Antheis imberbes cohaerentes Filamenta libera, quandoque sub-
flexuosa Ovarium uniovulum, stylus inflexus, stigmatis indusium ore
nidiim Semen in micae soletarium — *D amplexa* e proxima habitu et
plumis cum flonibus?, turn habitus charactibus, pericolla cuculliformi
ab omnibus *Goodemacearum* jrenenibus hucusque cognitis diversa

- 1 L DISCOLOR de Vnese I 1 c c p 346 adn a 65 f — Sufruticosa erecta albo-lineata
foliis alternis petiolatis oblongis acutis integris plenis, superne palmeis videntibus, gla-
bernis infere densissimae illo hnotis inflorescentia pinnata nuda glandulosa - lanata,
flonibus subsessilibus*, bracteis biaculeolatis corollis quinquelobis lilacis. extus glandu-
latis pericollis nigrescentibus — Crescit in Nova Hollandia subtropica

III (3038) SÆ%EVOLIA Linn

(DC Prodr VII 505 ft 794 - Wlprs Reperl II 712 VI 390)

- 1 SC LATFVAGA Honce PI nov Au*ir Chmens diagn. ined I p 22 — Frutescens
caules puberuli vel glabri erecti ramo folia sessilia vel brevissime petiolata oblongo-

obov l^{td} subspai^{hulqta} obtnsa, inie^{pemma} vel obsolete undulatn, saepe sellneformi-convolutu ul^{rique} \elulino-pubentia, ghibrata vel immo gluberrinri, carnosula lucida sul>mlro\enifl, vernalione revolutiva costa subtns prommiila. foliorum praesertim supenoium axillae pills longis senceis pra<ditae calyx tubo ovoideo. obsolete quinquesulcaio, mm ovnuo conntto, Innbi superi quinquepmfill lacmiis aequahbus, Jineanbus vel obo\ato-oblongis acnlis tubo brevionbus vel paulo longionbus corolla summo calyds tubo insirli gammpelr^{fh} unilabiala, lubo basin usquo longitudinabter flsso, caly-< cis lubo longioie, fauce inlus flmbinto-pilosio>snm, limbi quinquepartiti lacmiis aequalibus cainosulis palentibus linran-lanteolalis, margimbus ala tpxtnrae tenellae corollinie cuspati erosa, apice quasi mvolutu-cucullhti praedilis, basique denticulalo-flmbintis stamina 5, cum corolla inseita, ejusque lubi medium atlmgenlia, filamenta omnino libeia, antherae aeqiiales. oblongae muticae Irvier cohacrenies, demum libeme o\anum infeium, bilotulare; ovula in loculis solliana anatropar, stylus pilosulus, stamina superans, stigma bilobum, indiisio cvaihiorpbo piloso, margine densissime senceo-ciliato ciicumdaium, drupa cainosa, oblongo-iotundati, apicem versus obsolete sulcati lacmiis cahcinis coromta, biloculus, semina in loculis solilana, dissepimento fere absorpto arete cohaeienin, ovaia, plano-convexa, testa putimmacea incrassaia embryon in axi albummis carnosi oleaginosi sails copiosi orthotropum, cotyledombui o1)longis foliaceis, plumula inconspicua, radícula infera llorescentia centrifuge, cjt^{nae} <x>Uares, bracteatae et bracleolatae plun multiflorae folio duplo vel tnplo breviores; floies pedicellati — Crescil in ins Hongkong ad Inora nans arenosn — SuffTrutez 4—6-pcdalis, a basi ramosus, caulibus ramisque vindi>lute-< cenibus hinc inde purpureo-slnatis, cicatncibus foliortim delapsoruof notatis Folia crassiuscula laeie viridia, subtus parum pallidiora, 4—b poll longa, 1—2 poll lata, sparsa ad rmmorum apices raagis confeita ibidemque diutius persistentia Flores albidu, lmeis rubro-fuscis pertursi, pollicares Calyx et corolla pubentes Drupa puberula albescens, magrutudine et specie ejus *btfmphoriae racemosae*, veriice parum intiusa — Pio vaneiatibuo vel for mis ejusdem plantne, (cujus Tormam Chinensem, e sedula speciminum vivorum auiopsia, supia descupsi), sequentes sic dictas species procul dubio deuto — *bcaevulam Koemgv* Vabl — *S Taccada Roxj*[^] — *S montanam Laib* — *S. senceam* Forsl — *S velutmam* Pisi — *B Lechenaultn* DC — et for.son s *Bela Modagam* R. ft Sch — Legito quisqaam caracteres barum diagnosticos facile perspiciet eos nullius esse momenti Mulln in locis nalalibus examinavi specimma, el confidenter a in r mo notas e pubescenlia vel glabniale foliorum desumplas prorsus esse inconsiantes el fragile* Commodius visum est, ad evitand im conclustonem, novum huicce stirpi imponere nomen, quam uoum e tanta farragine anuquorum retinere

- 2 SC UVIFERA Stocks mss in Wght Icon plant tab 1613 — Fruticosa ramis ex ima basi decumbentibus axillis glabris folns ovalibus oboxatisve ramisque glabris carnosis florum cvmis lolia subapquanlibus, pedunculis subcompressis, bracteis carnosis linenibus calycis limbo integro vel 5/—6-crenalo, corollae lacinua basi flinbnatia. filamentis glabns, antherarum conneciivo in acumen uncinatum abeunte, ovano decemaulcalo, siylo ad basin pilofo. fructu purpura[^]cen[^]byrif⁷iformi rugoso — Habitat in India orientali, in montibus arenosjs ad lacum Kurfiefiee
- 3 SC PLUMIERIOIDES Null [^]Transact of the Araenc plnlos soc [^]New Ser) Vlfl 252 t — Fruticosa' axillis senceo-barbalis, folns fastigiali8 breviter petiolatis obovalo-oblongis oblusjs, inlegns glabernmis subconaceis basinque versus aitenuat, pedunculis pubescentibus 1—2 - flons bievisissimis bracteis minuiis calycis limbo quinquepartito, corolla inins baibata, segmentis glabris ciliatisque — Io insula Aloo
- 4 SC, CORIACEA Null 1 c 253 + — Fruticosa humilis decumbens • ramis ascendentibus, axillis senceis. folns brevibus obovalibus obtusis integns crnssis conaceis, infra attenuatis pedunculM axillanbus termmalibusque 1—3-flons alnbastro (dip germ) bibracieolato, calycis limbo subintegernmo, corolla intus barbata exlus glabernma — In insula Aloo

- 5 SC LIGUSTRIFOLIA Null I c f — Fruticosa glabra ramis gracilibus foliosi-, foliorum juniorum axillis breviter baibalis, folia lanceolata, utrinque acuminate serrulata vel integrifolia pedunculis axillaribus dichotomis (lanceolatis compressis), folia aequalibus vel subsuperantibus foliis longissimis exlus glabris calyce brevissime obtuseque quinquelobato pubescente bracteis linearibus praeinsertis stigmalis indusio glabro ciliato, stylo pubescente — In insula Oahu prope Honolulu
- 6, SC PUBCSGENS Null I c f — Fruticosa foliis ramisque pubescentibus, axillisque breviter pilosis, folia lanceolata, utrinque attenuatis sessilibus repando-dentatis, seu autem glandulosis pedunculis dichotomis compressis. folia subaequantibus bracteis lanceolatis, ciliatis longatae tubo glabro intus styloque barbata bacca glabra biloculari dispersa — In insula Oahu prope Honolulu
- 7 *SC ANCHUSACFOLIA Null — DC 1. c 510 no 41 - Vnese in Lehm. Plant Preiss H 243. — *Sc. sphaeiocarpa* Vnese. — Wlpr Repert VI 392 no 16.
- 8 *SC CALLIPTERA Dntli — DC 1 c 511 no. 53 — Vnese 1 c. — *Sc. Benthamiana* Vnese — Wlpr Repert VI. 392 no 21
- 9 SC DEPAUPRATA R Bi in Slurt, I xpedit Genii Austr II App p 83 — Erecta ramosissima ramis alternis utrinque opposita divaricata, folia minus sublaevibus, juniorum alternis, lamulorum oppositis pedunculata e dichotomis ramulorum solitariis unifloris — Hirsuta, vix suffruticosa adulta glabrescens, eicta ramosissima Rami ramulique angulati, ultimi oppositi indivisi divaricati, apice diphylli, laciniae mimis et rudimento minuto lacinia abortiva Folia sessilia linearia acuta brevissima, ramos subtendens alterna, in ramulis ultimis biachia opposita Pedunculi e dichotomis ramulorum utrinque penultimorumque solet, utrinque ebracteati Calyx limbo supero quinquepartito, lacinae lineari-lanceolatae, aequalibus pubescentibus Corolla tubo hinc ad basin usque fissi limbo unilabiato, 5-partito, lacinae lanceolatae, aequalibus, marginibus angustis induratis, extus uti tubus pubescentibus, intus glabris In nervo medio venoso Stamina filamenta distincta, angustae lineariae, glabrae. axilla incrassata antherae liberae, lineares imbricatae, basi fixatae loculis longitudinaliter dehiscentibus Ovum biloculare loculis monospermis, ovulis eictis Siliqua cylindrica glabra Stigmale indusium margine ciliatum et exclus pilis copiosis longis stigmale acutis albis teclum v. ciliatum — In Nova Hollandia centia
- 10 SG MACRAE! Vnese, Nederlandsch kuitk Aich II p 30 f — Fruticosa ramosa axillis vix baibatis, folia cuneata oblusa integerrima, corollae glabrae pedunculis axillaribus angulatis, valde elongatis bifloris bracteis lineari-bus ovatisque, calycis margine vix quinquelobato ciliatae tubo valde elongato, interne villosa, lobis alatis, stylo basi villosa, drupa membranacea-marginata, calyce coronata.— Giescit in insula Zeylon
- 11 SC CHLORAMIA Vnese 1 cit p 137 f — Fruticosa axillis aut non nisi breviter lanatis folia sessilibus alternis spatulatis integerrimis vel lepidis membranaceis pellucidis glabris pedunculis elongatis pedicellis glabris bracteis biacteis acutis oppositis, calycis segmentis ovarium aequantibus vel e brevibus, corollae vix lobis elongatis alatis, tubo intus piloso, stylo crasso piloso, indusio stigmalis ciliato, ovano biloculari — Crescit in peninsulae Indiae orientalis
- 12 SG MACROCALYX Vnese 1 cit p 138 f — Axillis subhirsutis, folia alternis petiolatis, late obovatis glabris venosis repandulis, apice reclusis lepidulo-subcrenatis cymis glabris trifloris bracteis oppositis ovatis magnis ellipticis integerrimis breviter aequalibus, pedunculo pedicellis sulcato-quinquelobatis pilosis, foliis bracteolatis biacteis alternis linearibus, in axilla baibatis, calycis lacinae minus obovato-oblongis, corollae tubo in dorso pilosiusculo mteine lanata, filamentis contortis glabris stigmalis indusio maximo hispido — Asia Decan
- 13 SC LAMBHARTIANA Vnese 1 c 139 f — Foliocosa axillis barbatis, et imbricatis, laciniae petiolatis alternis obovatis integerrimis, ulna petiolum decurrentibus, tenuiter

membranaceis olivoceis glabris; cymis di — tnc holomis; cnlycis limbo quinquefido. ovanum superante vel subaequante, laciniis lanceolatis; petalunculo pedicellisque glabris, corolla flava, exierne glabra, interne tubo dense piloso, dorso glabro, lobis vix acuminatis subalatis; filamentis antherisque contortis; stylo inferne piloso, sursum globro mcurvo, indusio stigmatis raaximo, dense et longe piloso; fructu drupaceo biloculari. — Grescit in India orientali.

f loon addenda.

SC. TACCADA Rib. — DC. 1. c. 605. no., 2. — Wght, Illustr. of Ind. bot. II. tab. 197.

IIa. **THRUSTCKIA** Vriese.

(Vriese, Nederlandsch kruitkundig Arctief II. p. 141.)

Pedunculi dictiotojni. Calyx superus breviter quinquentatus accrescens. : Corolla monopetala, tubo longitudinaliter fisso, interne glabro vel vix villosa, limbo laterali quinquefido, lobis alatis, apice mucrona-tis, dorso glabris vel (in paucis) tomentosus. Stamina in fndo floris una cum corolla inserta, filamentis imberbibus, antheris Jiberis bilocularibus, filamento continuis, polline globoso. Ovarium biloculare, loculis uniovulatis; stylo saepe fearbato, stigmatis obtusi indusio saepe ciliato. Fructus: nux bilocularis lignosa >costata, caJyce coronata. Seraina in singulo Joculo solitaria erecta, embryo recto in albumine copioso carnosus, cotyledonibus. . . . ? — Arbores • TSI., frutices insularum Sandvicensiura, Novae Zeelandiae et orae Novae Holjandiae occidentalis indigenae: foliis petiolatis alternis caducis, valde fragilibus Sintegerrimis /dentatis; axillis imberbibus aut (in pauci^ barbatfs. InHorescentia 'dichotoma, bracteis oppositis lineanibus; pedunculis et pe'dicellis elongatis. Calycis limbo quinquentato vel nullo. Corplae flavae tubus et faux raro villosae, lobis alata. Staminibus hian(e tubd corollae flaccid^s, filamentis glaberrimis. Stylo villosa. Fructu nucamentaceo durissimo. — Differt a *Scaevola* L. inflorescentia dichotoma, filamentis imberbibus, fructu non baccato sed nuce Jignosa coslata.

ou *Gabrae*.

1. T. CHAMISSONIANA Vriese *Joh.* p. 143.f— Fruticosa glabra: axillis obsolete barbatis; foliis pelfylatta oblongisobovato-ob^iJlis, utriq^ne acuminata, argute denticulatis ramisque glabrisH pedyncuD* vziIla^rtbipQRotpm&j^cam pedicellis folia aequantibus vel etiam^a superantibus; catycibus Jbrevifissime quinquenticulatis ciliolatis; corollis intus subpifrescentibus aut glabris; stj^matis indusio ciliato; nuce calyce peraisente coronatatuocularf 4]spenna; 'stfminibus fuscis. — *Scaevola Chamissoniana* Gaud. — *be. ficrodr. VH. 606.* — Crescit in ins. Sandwich.
2. *T. (SGAEIYOL^ 6. Don. — DC. 1. c. 506.) CILIATA Vriese 1. c. 144.
3. *T. (SCABVOtA Cham. — DC. 1. c. 507.) MENZIESUNA Vriese I. c.
4. T. GAUJDICfAtJDH Vriese 1.cit. p. 144. f- Fruticosa erecta glabra: axillis barbatdlis; lbiHs petiolatis congestis cunealo-oblongis vel lanceoldtis acutls, apicibus subobliquis integerrlmis glabris; pedunculis solitariis. vix quartern partem longitudinis folil aequan-

tibus nutantibus; bracteis linearibu? clongatis: calycis limbo obtuse quinquepartito ciliolato; corolla gabra; mice ovali, calyce coionata. — *Scacvola montnna* Gaud. — *Sc. Gaudichaudi* Hook, ft Arn. — DC. I. c. 507. — Crescit in insulis Sandwich.

5. T. MICRANTHA Vriese I. ck. p. 145. f — Fruticosa: ramis superne lomentosis, tomento tamen caduco; foliis petiolatis alternis ovato - oblongis, apice sub rotundatis, margine revolulis integerrimis, limbo juxta petiolum decurrente attenuatis, nervo medio pubescente; pedunculo axillari, folia vix aequante dichotomo; pedicellis in axilla barbatis; alycibus subpubescentibus, brevissime subdentatis; corollae laciniis late raarginatis, basi fimbriatis. — *Scaevola micrantha* Presl. — DC. I. c. — Crescit in Philippensiura insularum Luzone.
- 6 T. MACROPHYLLA Vriese I. c. 146. + — Fruticosa glabra: axillis imberbibus; foliis petiolatis alternis oblongo-obovatis integerrimis, oblique subacuminatis uninerviis subcoriaceis, pedunculis oppositifoliis adnatis dichotomis; bracteis oppositis ellipticis; pedicellis bifloris bibracteolatis, fructiferis reflexis; nuce biloculari costata; seminibus, alfyumine copioso carnosio fusco praeditis. — Crescit in Nova Zeelandia.

b. *Tomentosae.*

7. T. MOLLIS Vriese I. cit. p. 147. f — Fruticosa erecta dense sericeo-tomentosa: foliis petiolatis oblongo-lanceolatis, superne glabris vel ad lentem minutissime tomentosis (tomento tamen caduco), margine glanduloso-denticulatis; axillis aeriaceo-barbatis: pedunculis axillaribus petiolo brevioribus dichotomis; bracteis linearibus oppositis, apice recurvis; pedicellis flexuosis rarifloris, plerisque 4 — 5 bracteolarum oppositarum lineariumque paribus instructis; calycis dentibus brevissimis obtusis subobsoletis; corolla in dorso sericea, tubo longissimo: staminibus contortis, filamentis glabris; stylo basi sericeo-tomentoso, stigmatis indusio margine ciliato. — *Scaevola mollis* Hook, ft Arn. — DC. I. c. 506. — Crescit in Oahu.
8. * T. (SCAEVOLA Gaud. — DC. I. c.) TOMENTOSA Vriese I. c. 148.

MB. CAMPHUSIA Vriese.

(Vriese. *Hederlandsch kruittkundig Archief. II. p. 148.*)

Flores solitarii. Calycis superi limbus quinquepartitus. Corolla monopetala, tubo curvato clauso amplo glabro, limbo trifido, lobo medio angustiore integro acuto, lateralibus bifidis, laciniis acutis. Stamina, in fundo floris una cum corolla inserta, filamentis imberbibus, antheris liberis bilocularibus, loculis linecibus, filamentis continuis. Ovarium biloculare, loculis uniovulvatis, stylo complanato glabro flexuoso; stigmatis magni globosi indusio ciliato. • Fructus et semina ? — Arbor insulae Oahu: foliis petiolatis congestis caducis glabris integerrimis, axillis imberbibus. Inflorescentia solitaria, pedunculo ebracteato; flore magno flavo.

1. 0/ GLABRA Vriese I. cit. 149. f — Arborea: axillis glabris; foliis congestis cuneato-obovatis, oblique acuminatis subdecurrentibus integerrimis, remote glanduloso-serratis vel subdenticulatis; pedunculis axillaribus unifloris, vix 1 cent, longis; corolla inagoa glabra flava. — *Scaevola glabra* Hook, ft Arn. — DC. Prodr. VII. 507. — Crescit in insula Oahu.

Ilic mBRKUSIA Vriese.

(Vriese, Nederlandsch kruittkundig Archief II. p. 150.)

Flores spicati terminates et axillares. Calyx superus, tubo brevi, limbo quinquentato, saepe nullo, bracteis elongatis suffluis. Corolla monopetala, tubo longitudinaliter fisso, interne vilioso vel stipitato-glanduloso, limbo laterali quinquefido alato. Stamina basi floris una cum corolla adnata; antheris et filamentis liberis, loculis antherarum terminalium binis, polline globoso. Ovarium biloculare vel pseudo-quadriloculare, per abortum uniloculare, loculis uniovulatis; stylo simplici, stigmatis indusio ciliato vel nudo. Nect. trilocularis indehiscens disperma. Semina in loculis solitaria, uno saepe abortiente, albumine carnoso. — Frutices Novae Hollandiae et insularum adjacentium: foliis alternis petiolatis vel sessilibus, dentatis vel integerrimis, raro carnosis, plerumque membranaceis, glabris vel vario modo pubescentibus; floribus spicatis; spicis terminalibus vel lateralibus bracteatis; corollis caducis, dorso glabris, internodiis pilosis, stipitato-glandulosis; nuce biloculari, calyce aucto. Cum calyce aucta vel coronata.

a. Foliis plerisque vel omnibus dentatis vel incisis.

1. M. CRASSIFOLIA Vriese 1. cit. p. 151. f. — Caule suffruticoso ascendente paniculato glaberrimo; spicis terminalibus et lateralibus, longioribus; foliis alternis, inferioribus quandoque oppositis obovatis ovalibusque, inferne integerrimis, in petiolum attenuatis, reliquam marginis partem dentatis carnosis; floribus sessilibus bracteatis; bracteis integerrimis in corollae tubo interne viliosis, fauce nuda. Stylus complanatus villosus, stigmatis indusium viz ciliatum; nux dura obovata striata biloculari seminibus hinc convexis, inde planiusculis. — *Scaevola crassifolia* Labillard. — DC. Prodr. VII. 506. — Crescit in Nova Hollandia.
2. *M. (SCAEVOLA Vriese. — Wlprs. Repert. VI. 391. no. 7.) FASTIGIATA Vriese 1. o. 152. —
3. M. MULTIFLORA Vriese 1. c. f. — Caule fruticoso paniculato glaberrimo; foliis breviter petiolatis ovalibus argute serratis, utrinque acutis; spicis elongatis multifloris; bracteis linearibus lanceolatis integerrimis; calycis limbo nullo; corollae caeruleae (?) tubo vilioso, fauce stipitato-albo-glandulosa, lobis mucronatis. alis ciliatis; filamentis contortis; stylo vilioso, stigmatis indusio pubescente, margine ciliato; nuce obovata subcompressa cordata biloculari. — *Scaevola multiflora* Liodl. — Wlprs. 1. c. II. 712. no. 1. — Crescit ad flumen Cygoorum et sinum regis Georgii Novae Hollandiae.
4. M. OVALIFOLIA Vriese 1. elu p. 153. — Suffruticosa ascendens polystachya cinereo-tomentosa: foliis petiolatis ovalibus ellipticis paucis et obscure dentatis, utrinque acutis, apice mucronulatis; spicis foliosis elongatis multifloris; bracteis rhombeo-ellipticis et linearibus lanceolatis, vel etiam longe cuspidatis integerrimis; calycis limbo bilobato; nuce obovata biloculari interne pilosa; stylo nudo, versus apicem subbarbato, stigmatis indusio ciliato. — *Scaevola ovalifolia* Brown. — DC. 1. c. 509. — *Oli enterascens*. p. *glabra*. y* *media*. — In Nova Hollandia.
5. M. MACRISTACHYA Vriese 1. cit. p. 154. f. — Caule suffruticoso ascendente tomentoso, demum glaberrimo; spicis longissimis, terminalibus et lateralibus; foliis sessilibus, aliis majoribus oblongo-lanceolatis, aliis axillaribus linearibus, omnibus spinoso- et longe ciliato-dentatis revolutis coriaceis; floribus bracteatis; bracteis linearibus longissimis

- acuminotis, longe setaceo-serratis; calycis tubo sulcato, limbo nullo; tubo corollae interne subpubescente, lacinae margine longis setis sursum instructae; stylus flexuosus; indusium slygmatis subimberbe. — Crescit in Nova Caledonia occidentali*.
- (i. M. THESIOIDES Vriese 1. cit. p. 155. + — Suffruticosa ascendens ramosa angulata, longissime paniculate glabra: foliis inferioribus sublinearibus - paucideniatis, superioribus linearibus; bracteis linearibus longissimis acutis integerrimis squarrosis; spicis primis capituliformibus, dein porrectis longis; floribus sessilibus primis approximatis, deinde valde remotis; corolla parva pallide coerulea, interne setoso-glandulifera; stylo villosa, stigmatibus subciliatis; nucibus compressis lobis bilocularibus. — *Scaevola thesioides* Bnlh. — DC. 1. c. 508. — 5c. *squarrosa* Lindl. — Wlprs. 1. c. II. 712. no. 2. — *Sc. flaccida* et *paniculate* Vriese. — Wlprs. 1. c. VI. 391. no. 9. ft 10. — Crescit in Nova Hollandia ad flumen Cygnorum ad oppidum Freemantle.
7. M. GLOBULIFERA Vriese 1. cit. p. 157. — Fruticosa erecta teres lignosa: foliis lanceolatis semiamplexicaulibus dentatis venis crassiusculis, supremis integerrimis; floribus axillaribus solitariis, raro binis, sessilibus; bracteis subulatis; calycis quinque-lobi laciniis brevibus obtusis; corollae tubo et fauce interne pilosis, 12—18-glanduloso-capitellato-pilosis, pilis niveis; filamentis complanatis, antheris adnatis oblongis; stylo piloso, slygmatis indusio ciliato; nucibus tuberculata quadriloculari. — *Scaevola globulifera* Labill. — DC. 1. c. 508. — Crescit in Nova Hollandia ad terrain van Leeuwen.
8. M. CUNEIFORMIS Vriese 1. cit. p. 157. f — Fruticosa subpilosa: ramis alteris; foliis cuneatis argute dentatis venis; bracteis integerrimis lanceolatis; spiculis 2—3-floris axillaribus; calycis laciniis ciliatis; stylo complanato. glaberrimo; stipulate bine glabro, inde barbato, margine ciliato; nucibus ovatis rugosa calyce coronata uniloculari; semine ovato albido. — *Scaevola cuneiformis* Labill. — DC. 1. c. 509. — Crescit in insula Van Diemen.
9. M. MICROCARPA Vriese 1. cit. p. 157. f — Fruticosa ramosa stolonifera dimissa ascendens erecta glabra: folia petiolatis, superioribus subsessilibus alternis ovatis ovalis cuneatis suborbiculatisve, basi attenuatis dentatis glabris ciliatis; floribus axillaribus sessilibus; bracteis linearibus acutis ciliatis; calycis superius limbo quinque-dentato; corolla externe glabra, interne, ad faucem stipitata-glandulosa; stylo pilis longis raris obsesso, germine minimo, (abortu?) uniloculari disperso. — *Scaevola microcarpa* Cav. — DC. 1. c. 510. — Crescit in Nova Hollandia prope portum Jackson et ad sinum Reg. Georgii.
10. M. PALLIDA Vriese 1. cit. p. 159. f — Radice fusiformi longa crassa lignosa; caule herbaceo diffuso, adpresse pubescente; foliis linearibus lanceolatis, basi attenuatis, dentatis acutis mucronatisque subscabris; spica simplici coarctata; involucris integerrimis vel dentatis; calycis limbo quinquedeniato, dentibus obtusis inferioribus corollae tubo inclusis piloso; stylo glabro; slygmatis indusio ciliato; ovario (abortu?) uniloculari disperso. — *Scaevola pallida* Brown. — DC. 1. c. 510. — In Nova Hollandia.
11. M. HOOKERII Vriese 1. c. j. — Suffruticosa repens radicans ascendens pilosa: ramis angustatis; foliis sessilibus linearibus cuneatis, subamplexicaulibus inaequilateris, subtilissimis paucis et remote linearibus, basi attenuatis, foliolis minoribus axillaribus lanceolatis integerrimis; floribus axillaribus pedunculatis solitariis; bracteis ovatis acutis, in fructu persistentibus; calycis pilosissimi limbo fere nullo; corolla utraque facie et tubo dense pilosa, lobis alatis mucronatis; stylo villosa; indusio ciliato; nucibus ovatis villosissima costata fusca, calycis circumscissi tubo ad dipodium lecta. — Crescit in insula van Diemen.
12. M. SINUATA Vriese 1. cit. p. 160. f — Herba diffusa pubescens, pilis adpressis, longissime paniculato-spicata: foliis ovatis spathulatis cuneatisve dentatis mucronatis et sinuato-dentatis, axillaribus numerosis minoribus; spicis 1- raro bifloris; bracteis ellipticis integris, saepe plurimis; floribus sessilibus; calyce quinque-dentato; corolla exclusa hirsuta, tubo interne dense flavescens lanato; stylo complanato; stigma habet

indusium barba densa stricta colorata, illud longissime superante obtectum. — *Scaevola smuata* R. Br. — DC. 1. c. 509. — In Nova Hollandia.

13. M. HUMILIS Vriese I. cit. p. 161. f — Suffruticosa ascendens vel diffusa pubescent conacea (?): foliis argute et grandidentatis, imis obovato-cuneatis, rameis lanceolatis; spica simplici, bracteis linear-lanceolatis subdentatis; calyce quinque-dentato; stigmatis lodusio aliero latere-pilis longis coloratis; ovario biloculari. — *Scaevola humilis* Brown. — DC. 1. c. — In Nova Hollandia.
14. M. (SCAEVOLA Vriese - Wlprs. I. c. VI. 391. no. 3.) LYRATIFOLIA Vriese I. c.
15. M. ATTENUATA Vriese I. cit. p. 167. f — Fruticosa erecta pilosa: foliis lanceolatis dentatis et intefcris: bracteis linearibus et lanceolatis, supra nudis; stylis villosissimis. — *Scaevola attenuata* (Pflanzl.) Brown. — DC. I. c. 509. — Crescit in Nova Hollandia austromeridionali.
16. M. HISPIDA Vriese I. cit. p. 162. f — Herbetica hispida; caule tetragono ramosissimo; foliis sessilibus linear-lanceolatis, inferioribus dentatis vel pinnatifido-dentatis, reliquis integerrimis; floribus axillaribus solitatis; bracteis linearibus; lobis calycinis germen longe superantibus linearibus, corollae amplae Ulacinae tubo externe striato; antheris apice villosis; stylo birsuissimo, stigmatis indusio valde piloso; nuce calyce coronata ovata villosa decemsulcata angulata biloculari disperma. Semina altero latere plena. — *Scaevola hispida* Gav. — DC. 1. c. 511. — *Goodenia ramotissima* Nutt. — Crescit in Nova Hollandia orientali prope Port Jackson.

b. *Folia omnia aut plerumque intertecta.*

17. M. SUAVEOLENS Vriese I. cit. p. 163. f — Herbacea (fruticosa?) diffuse pubescens. pilis adpressis. foliis oblongo-spathulatis sinuatis carnosius; axillis glabris; bracteis lanceolatis, apice rotundatis; dentibus calycinis ovato-lanceolatis; corolla coerulea, tubo interne villosa; stylo glabro, indusio stigmatibus dense albicantibus; ovario et nuce biloculari. — *Goodenia calendulacea* Andr. — *Scaevola suaveolens* Brown. — DC. 1. c. 510. — Crescit in Nova Hollandia.
18. M. CAESPITOSA Vriese I. cit. p. 164. f — Suffruticosa erecta glabra, adpresse pilosa et stngosa: foliis linear-lanceolatis, sursum latioribus, margine recurvis, raro obsolete dentatis; calycis limbo brevi quinque-lobato; bracteis linear-subulatis; corolla imus barba coerulea; stylo glabro, stigmatibus indusio ciliato. — *Scaevola caespitosa* Brown. — DC. 1. c. — Crescit in Nova Hollandia meridionali.
19. M. REVOLUTA Vriese I. cit. p. 164. f — Suffruticosa erecta ramosa diffusa, dense cinereo-lanata: foliis sessilibus oblongo-lanceolatis cuneatisque revolutis; spica cili elongato; floribus remotis, vel in apicibus ramorum congestis; bracteis itineolatis linearibus; calycis limbo obsolete crenato; ovario biloculari. — *Scaevola revoluta* Brown. — DC. 1. c. — Crescit in Nova Hollandia intertrecta.
20. M. ANCHUSAEFOLIA Vriese I. c. 165. f & Suffruticosa prostrata ascendens hispida: A) foliis linearibus lanceolatis oblongo-spathulatis recurvis, superforibus bracteisque linearibus integerrimis; spica simpliciter paniculate densa: calycis limbo obsolete vel subcrenato; corolla rugosa coerulea, interne pilosa; nuce costata rugosa biloculari. — *Scaevola anchusaeifolia* Benth. — DC. 1. c. 510. — *Sc. inaeolata* Benth. — DC. 1; c. — *Sc. iphaerocarpa*, *Sc. holosericea* de Vries*. — Wlprs. I. o. VI. 391. 392. no. U. ft 16.
- ^ a.* *lanceolata*: foliis lanceolatis subintegerrimis glabris.
- ^ . *iphaerocarpa*: foliis oblongo-spathulatis, densissime pilosis.
- y. *holosericea*: foliis obovato-lanceolatis, holosericeis. — Crescit in Nova Hollandia.

21. 'M. GLANDULIFERA Vriese 1. cil. p. 166. f — *Scaevola glanduhjera* DC. 1. c. — Crescit in Nova Hollandia ad lumen Gyguomm.
22. M. LINEARIS Vriese I. cit. p. 166. f— SufTruticosa.ascendens rmosissima scabra pilosa: foliis coriacis linearibus, sursum laioribus, nonnumquam recurvis vel strictis, cauli accumbentibus; spicae plurimae elongatae; floribus remotis et aggregatis; fructu globoso, apicc calycis coronato, (abortu?) uniloculatii monospermo.— *Scaevola Uneans* Drown. — Crescil in Novae Hollandiae parle oriental] -mordionali. Variat foliis laioribus.
23. M. PALUDOSA Vriese 1. ch. p. 167. f — SufTruticosa erecta ramosa scabra ndpresse pilosa: foliis lnnceolatis oblongo - lanceolatis paucidentatis, spicas axillares longe superantibus; ovario monospermo. — *Scaevola paluiiosa* Bro^pi. — DC. I. c. — Crescit in Novae Hollandiae ora meridionali.
24. M. ANGULATA Vriese 1. cit. p. 167. f*. Suffruticosa erecta, caule ramisque angulatis, glaberrima vel pilosn: foliis sessilibus oblongo - lanceolatis mucronatis subdentatis; bracteis lanceolatis integerrhnis atriclis; calyce quinquedentato; corolla ad faucem pilosa; ovario biloculari, stylo glabro, stigmati indusio ciliato. — *Scaevota angulata* Brown.— DC. 1. c. 511. — Crescit in Nova Hollandia inler tropicum ad Carpentariam.

IV. (3042. a 3043.) GOODEMA DC.

(DC. Prodr. VII. 512. ft 794. — Wlprs. Repert. VI. 393, Annal. I. 470.)

1. G. CYCLOPTERA R. Br. in Sturt, Expedit. Centr. Austral. II. App. p. 81. — Ramosissima pubens: foliis radicalibus serrato - incis, caulinis lanceolato - ellipticis obsolete serratis, in petiolum attenuatis; pedunculis axillaribus unifloris folia subaequantibus; seminibus orbiculatis membrana angusta cinctis. — In Nova Hollandia cenirali.
2. ' G. GENUFLEXA Vriese in Lebm. Plant. Preiss. II. 244. — *Goodenia geniculata* Vriese. — Wlprs. Repert. VI. 393. no. 3.
3. G. FLAGELLIFERA Vriese in Mitchell, Journal of tropical Australia p. 378. adn. f (et in Noderl. kruidk. Arch. II. 170. f) — Herbacea glabra: foliis radicalibus longe petiolatis spnthulatis; flagellis elongatis; floribus radicalibus axillaribus, longissime pedunculatis; calyce supero quinquefldo, laciniis lineari - lanceolatis, bibracteolmo; corolla bilabiata flava. labio superiore flsso; filamentis et rfntheris liberte; sligmalis indusio ciliato; flagellis folii- et floriferis valde elongatis; capsula j>rismatica biloculari; seminibus marginalia compressis; flagellis floriferis: floribus in axilla folii ovato-rotundnti auriculati subamplexicaulis contenlis, brevius pedunculatis. — Affinis *G. hcdcraceae* de Vriese. — Crescit in Australia oriental* tropica.
4. G. PINNATIFIDA Schlcbsd. Liojiaea XXI. 450, f — (Unicum specimen incompletum.) Tota planta. praeter corollanrtt denies calycis fere glabros, pilis rigidis erectis hispida. Folia ad basin (?) plurima petiolata, externa minora obovata in petiolum attenuata grosse subangulato-paucidentata, interiora elongata pinnatifida, pinnis sub -11, deorsum decrescentibus sublinearibus obtusiusculis. Caulis inter eos .ascendit teres, supra medium in tros pedunculos evolutionis variae divisus, totidem foliis iuaequalibus sublinearibus, utrinque attenuntis (maximo et dentibus poucis notato) suffultus, ebracteatos, apice unifloros. Corolla flava, laciniis alatis. — In Nova Hollandia.
5. G.? VELLEIA.? Schlchtd. LinnaeaXXI.457. f - Calyce inaequali, an Velleiae species? Frustulum vidimus patenlim rigide pilosum; folia duo opposita sessilia, valde inaequaliter 3—5-loba, lobo medio late lanceolato obfusiusculo mniimo, laterali altero plus dimidio brevior sublineari, subveniente minimo basali, altero laterali parvo dentiformi,

ex his pedunculus $2\frac{1}{2}$ poll, nudus uniflorus et rami duo (alter magis evolutus) foliolis opposing basi inferioribus (an connatis?) integerrimis instructi. e quibus iterum pedunculus 1-florus et ramuli duo alabastrum gerentes sed diversae evolutionis. Cor. Goodeniae videtur flava, sed calycis lacinae inaequales, impar major, reliquae breviores, angustiores, an per paria aequales. — Habitat in Nova Hollandia australi.

VIN. (3047.) VEILIEYA Roem, *Sf Schult*

(DC. Prodr. VII. 517. — Wlprs. Repert. II. 713. Annal. I. 471.)

1. V. MACROCALYX Vriese in Mitchell, Journ. of tropic. Austral. 256. adoot. ft Nederl. kruidk. Archief II. p. 171. f — Foliis omnibus radicalibus oblongo - spatulatis acutis internis membranaceis remote minute et obsolete dentatis, uninerviis subdecurrenlibus glabris; scapis radicalibus elongatis, folia vix aequantibus; bracteis dichotomiarum vel trichotomiarum binis ternisve, lanceolatis acutis vel uneari-lanceolatis r floribus 2—3-nis; calycis laciniis (involucris) magnis membranaceis ovatis ellipticisque acuminatis, basi cordatis petiolatisque; antherae liberae; stigmalis indusium maximum ciliatum, labiis compressis cochleariforme. — In Nova Hollandia.

IX. (3048.) HESCHETAUITIA DC.

(DC. Prodr. VII. 518. — Wlprs. Repert. II. 713. VI. 391. & 734, Annal. I. 471.)

1. * L. EXPANSA R. Br. — DC. I. c. 519. no. 5. — Vriese in Lehm. Plant. Preiss. II. 244. — *Leschenaultia pallescens* Vriese. — Wlprs. Repert. VI. 394. no. 1.
2. L. PINASTROIDES Lehm. Plant. Preiss. II. 244. t * A Glaberrima; caulibus fruticosis ascendentibus ramulosis; foliis confertissimis rigidis triangularibus lineari - subulatis diaphano-mucronatis glauces; floribus terminalibus solitariis; corollae limbo unilabiato, laciniis integerrimis aristato-mucronatis. — In Nova Hollandia.

Ordo CXX. GESNERIACEAE *Jvees ab Esenbeck.*

(DC. Prodr. VII. 523. ft 794. — Wlprs. Report. II. 714. ft 993. VI. 395. 8c 734, Annal. I. 471. — E. Regel in Flora [B. Z.] XXXI. 245. sq.)

Subordo I. *GESJVENiEJL*^ DC. 1. c.

Tribus I. *GERMEN CUM CALYCE CONCRETUM.*

1. *RYBITOPHTLLIIM Mart.*

(DC. Prodr. Vn. 524. — Wlprs. Repert. II. 721.)

II. *COSTRADIA Mart.*

(DC. Prodr. VII. 525. — Wlprs. Repert. VI. 395, Annal. I. 471.)

1. * *C. FLORIBUNDA* Paxton, Magaz. of bot. XV. 99. (c. ic.) — (absque diagnosi.)

III. *PEffITTARHAPHIA DC.*

(Wlprs. Repert. VI. 734, Annal. I. 472.)

1. **P. GURENSIS* Dene. — Wlprs. Repert. VI. 736. no. 14. ft Annal. I. 472. no. 1. — Lindl. Journ. of the hort. soc. V. 86. (c. ic.)

IV. *DUCHARTREA DC.*

(Wlprs. Repert. VI. 736.)

V. *TRICHAHTTHA Hook.*

(Wlprs. Repert. VI. 395.1,

Tribus II. *GERMEN BASI TANTUM CUM CALYCE CONCRETUM.*

Subtribus I. *STIGMA CAPITATUM.*

Glpndulae perigijnae 2—5.

- a. Corolla basi gibbjs quioque instructa v. circumcirca tumida.

VI. *CUBSmSRIA Mart.*

(DC. Prodr. VII. 526. a 794. - Wlprs. Repert. II. 717. ft 993. VI. 396. ft 737, Annal. I. 472.)

Sect. I. *^ISOLOMA* Benth. — Wlprs. Repert. IV. 396.

1. *G. LINKIANA* Knth. ft Bouche*, Index sem. in hōri. bot. fierolin. an. 1848 coljfp. 13. no. 15. — Sericeo - pubescent: caulibus crectis herbaceis carnis peliolisque'purpu--

- rascemibus; foliis lornis longiusculé peiolatis subinaequilatero-oblongis subacumioatis, in petiolum angustatis. grosse et simpliciter acule crenalis, subius pallidioribus; flonbus aullaribus, geminis vel ternis, pedunculatis, petiolum paulo superantibus: laciniis calycinis abbreviate* - ovatis acuminatis subaequalibus, corolla mullo bseviribus; corollis tubuloso-campanulatis sanguineo-zinnabarinis, limbo brevi convexiusculo-patentissimo, laciniis abbreviaio-ovatis obtusis aequalibus immacujatis, pilis glanduliferis obsitis, fauce sanguineo-maculata; staminibus inclusis. — Habitat in Guatemala.
2. G. IGNORATA Kntb. 1. c. no. 16. ^Caulibus erectis herbaceis carnosis. molliier sericeo-pilosis; foliis ternis oblongis subacuminatis, basl in> petiolum angustatis, grosse et simpliciter obtuse* crtnaiis, utrinque molliter pilous, floralibus gradation minoribus'. pedunculis *unifloris axillaribua, solitaries vel geminis, longiusculis, in apice ramorum racemdm subfoliatum constituentibus; calycibus piloso r hirsulis, laciniis' abbreviato-ova£ obtusis, utroque margine reflexis, inferioribus. magis porreclis, basin ventricosam corollae superantibus; corollis tubuloso-campanulatis miniato-zinnabarinis, exlerne villosa-hirsutis, limbi brevis laciniis ovato-subroiundis, apice rolundutis, interne pilis glanduliferis obsitis subaequalibus patentissimo-subrecurvatis, duabus infimis obsolete flavo-maculaiis, reliquis immaculatis, fauce obsolete sanguineo-maculata; staminibus inclusis. — 6. *mollis* Hort. Berol. — Habitat in America calidiori.
3. G. SEEMANNI Hook. Bot. Magaz. t. 4504. f — Elata hirsuta herbacea! foliis oppositis ternatisve sublone petiolatis late ovatis obovatisve aculis grosse serratis, superioribus multo minoribus magis acuminatis, omnibus basi obtusis; pedunculis unifloris fasciculatis, ad axillas foliorum supremorum verticillatis petiolo longioribus, in racemum longum terminalem dispositis; corollae villosissimae lateritiae tubo brevi cylindraco, limbi glanduloso-hirsuti aequalis patentissimi lobis patentibus subrotundatis maculatis; staminibus styloque inclusis; ovario hirsutissimo, glandulis faypogynis 4—5latia, unica bifida. — In islhmo Panamensi.'
4. G. BREVIFLORA Lindl. Journ. of the hortico-aoc. III. pag. 16L. adnoi. — Herbaceae caule patentim villosa; foliis ovalibus petiolatis crepatif oomfips, supra pubescentibus, subtus petiolisque villosis; pedunculis uniflori quateirtus in ajcillis foliorum superiorum villosis, petiolo brevioribus; corollae villosisSimae^tubo^ pedunculi longitudine, limbo aequaliter 5-fldo. laciniis obtusis; staminibus inclus^C ~ Habitat . . . ?
5. G. PIGTA Hook. 1. c. t. 4431. f — PlanchQn, in Van Houtte, Flore des terres VI. 165. tab. 586. — Tota velutino-hirsutissima: caule erecto elongato; foliis ovaBs aenminatis crenato - serratis oppositis ternisque discoloribus, inferioribus longe peiolatis, lamina basi hinc decur&te; raemijkelongatis foliosis, pedicellis Aggregato-verticillalis foliis floralibus brevioribus^unifloris; calycis tubo rotundalo-hemisphaerico, dentibus 5 parvis erectis ^corolla cylindraco, subtus fiarum ventricosa, ore contracto, limbo parvo 5-lobo aequali maculato; staminibus styloque inclusis, glandulis hypogynis 5, quarum 3 basi conjunctae. — Habitat in Columbia.

Sect. II. CORYTBOLOMA Bi^V^JfIBPREpert. VI 399-

6. 6. PARIHANA Hook. Bot. Mag. tab. 4848. f — JtfpScens: caule erecto orasso subherhaceo tefeti, racaoso; foliis breviter petiolatis eltiplicis crassiusculis serratis, oblique arete peñWervfl*. supfa-'glabris subreticulatis, subtus praecipue reticulalim rugoais lomentosto; pedunculis axillaribus solliariis folio brevioribus; calycis tubo ovario adnato turbinato, laciniis amplis acuminatis patentibus; corollae tubo ourvalo, sursum dUatato. basi superne gibboso, ore obliquo, limbo subaequali 5-lobo, lobis patentibus rotuodatis; staminibus styloque exsertis. — In firasiliae montibus Organensibus.'
7. G. CAHDINALIS Lebm. in E. Otlo. ^eue allgem. deutsche Grtnztng. VI. 454. £ — ye. luS^a canescens: rhizomate tubero80(disciforme; caulibus herbaceis prooumbentibus tereUbus; foliis oppositis petiolatis- eordatis, inferioribus ovato - ellipticis, soperioribus H*

suborbiculnribus, summis sessilibus, omnibus rotundato - obiusis crenatis; floribus cy-
moso-umbellalis longe pedunculalis; corollis inlus biglandulosis, supra basin con'strictis,
tuhō medio ampliatis, ore angustatis villosis, labio superiori ohlongo porrecto bifido s.
2—3-dentnto, inferior! brevissimo patente. — *G. macrantha* Horl. Bcrolin. — Cres-
cil ?

f Ieones addendae.

- G. COHUSCANS Paxton (?) Magaz. of bot. XVI. 194. (c. ic sed absq. diagn.)
G. GARDNERI Hook. — Wlprs. Repert. VI. 397. & 737. no. 4. — Paxl. Mag. of bot. XVI.
321. (c. ic.)
G. LIBANENSIS Morren. — Wlprs. I. c. 737. — Hook. Bot. Mag. tab. 4380.

VII. RECHSTEOTERU *Re gel.*

(Regel in Flora [B. Z.] XXXI. 247.)

Calyx limbo quinquepartilo, laciniis aequalibus. Corolla tubo recto,
l)a^i circumlumido, medio mflato, superne constricto, limbo piano
aoqialiler quinquelobo. — *Gesneriae* sectio prior *fsoloma* buc pertinet,
cujus nomen utpote prius certissimo retinendum erit. (W.)

- 1 • R. (GESNERIA Marl. - DC. Prodr. VII. 527. no. 2.) ALLAGOPHYLLA Regel 1. c.

VIII. SOIJENOPHORA *Bntti.*)*

(Wlprs. Repert. VI. 401.)

b. Corolla oblique adnata, basi postice magis minusve gibba.

IX. GLOXINIA *Writ.*

(DC. Prodr. VII. 533. — Wlprs. Repert. II. 720. VI. 401. Annal I. 473.)

1. *GL. STNNINGIAEFLOIU Sdidwlr. — Wlprs. Ann. bo&syst. T. 473.,no. 1. — Van Houtte.
Flore des serres IV. t. 318. f
2. GL. FIMBRIATA Hook. Bot. Magaz. tab. 4430. f— Erecta simplex suWetragona: foliis
breviter petiolaiis ovalis acutis serralis glabris; pedunculis axillaribus solitnriis uniflo-
ris; calycis srgm'enlis ovatis patentibus foliaceis; corollae lubo elongaio infundibuli-
formi - cylindraco, ore obliquo, limbo anaplo profunde 5-lobo, lobis sùbaequalibus
rolundatis, margine undulatis^tenuissime flmbriatis, intus nilosulis. — Habitat . .
3. GL. MERKII E. Otto in Otto & Dietr. Allg. Gartnztg XVI. 242. f — Caule abbreviato;
foliis subradicalibus petiolatis ovatis cordatis crenatis, supra puberulis suboitentibus.
subtus villosulis albidis; pedunculis erectis elongatis¹ unifloris: flore cernuo; calycis
quinquepartiti laciniis acuminatis; corolla ventricosa. — Crescit in Brasilia.
4. GL. TRICHANTHA Miqu. Linnaea XXII. 473. -j- _ Caulescens: foliis oblique ovatis
acutis cordatis crenato - dentatis discoloribus, utrinque cum petiolis ramulisque sparsis
pi^is inspersis; floribus racemosis; braceis foliaceis ovatis, summis subcoloratis; ca-

*) Genus siigmate infundibuliformii prae caeieris insigne.

lycis lobis ciliatis inlegentibus glabris viridibus purpureo-variegatis; corolla violacea hirsuta late breviterque campanulata. — Ex affinitate *Gl. caulescens* & *speciosae*, sed florum fabrica distinctissima. — Crescit in hortis Surinmensibus culta et in arenosis spontanea.

5. *GL. (SINNINGIA) FLORIBUNDA* E. Olio in Olto & Dietr. Allg. Grtztg. XVI. 242. f — Caulis carnosus suffruticosus villosus; foliis petiolatis oblongis, utrinque acutis crenatis hirsutis, sublus pallidioribus; pedicellis axillaribus unifloris aggregatis; calycibus campanulatis ovario triplo longioribus, laciniis ovatis acuminatis; corolla extus subglabra. — Habitat ... ?

Annulus perigynus.

X. *J6T1PHAEA* Lindl

(Wlprs. Repert. VI. 738, Annal. I. 473.)

1. **N. OBLONGA* Lindl. — Wlprs. Repert. VI. 738. no. 2. — *Achimenes alba* Hort. Padov. — *Meneghinia alba* Visiani. Atti della ottava riunione etc. p. 560. (Wlprs. mss.)

X. *JKOCSSOOTA* Hegel.

(Regel, Flora [B.Z.] XXXI. 248.)

Corolla tubulosa, basi circumcirca tumida, tubo rectiusculo, supra medium inflato, superne constricto, limbo quinquelobo, lobis patentibus aequalibus. Annulus perigynus crassus brevis quincijjcrenatus. Stigma capitatum. Reliqua Gesneriae.

1. **M. (GESNERIA) H. B. Knth.* — DC. Prodr. VII. 528. no. 11.) *ELONGATA* Regel 1. c. — Ad hoc genus pleraeque Gesneriae species fruticosae pertinere videntur.
2. *M. ELEGANS* Dene, in Van Houtte, Flore des serres V. tab. 489. — Lindl. ft Parton, Flow. gard. I. 128. fig. 88. — Dense molliterque villosa-tomentosa, saepiusque rubescens: foliis oppositis petiolatis ovalo-oblongis acuminatis crenato-dentatis; pedunculis folio brevioribus; urabellato-3, 4-floris; pedicellis flore parum brevioribus; laciniis calycinis subulatis; corollae sesquipollicaris leviter incurvae purpureae fauce limboque intus lulescentibus, purpureo-maculatis, lobis eroso-crenatis. — Habitat ... 7

XII. *SALISIA* Rgl.

(Regel, Flora [B. Z.] XXXI. 479.)

Calycis tubus ovario adnatus, limbus quinquepartitus. Corolla ventricoso-campanulata, basi inferne calcare obtusissimo sacciforme inflato, limbo subaequaliter quinquefido. Antherae cohaerentes. Annulus perigynus tenuissimus. Stigma capitatum. — Plantae stolonibus perennantibus squamosis. Folia opposita. Flores axillares solitarii.

1. **S. GLOXINIAEFLORE* Rgl. 1. cit. 179. — *Gloxinia maculata* L'Her. — DC. Prodr. VII. 534. no. 1. — *Gl. trichotoma* Mnch. — *Martyma perennis* L. — *Scheria gloxiniaeflora* Rgl. — Crescit in America meridionali.

XIII. GUTHHTICKIA *RgL*

(Regel, Flora [B. Z.] XXXII. 179.)

Calyx tubo germine concreto, limbo quinquepartito. Corollae tubo faucem versus inflato, basi calcare obtuso inflato, limbo irregulariter quimquelobo. Stamina quatuor didynama, cum rudimento quinti. Annulus perigynus craseus integer. Stigma capitatum depressum. — Herbae stolonibus squamosis perennantes. Folia opposita.

1. G. MIMULIFLORA *Rgl.* 1. c. 179. — Floros axillares. Tota planta undique piloso-hispida. Caulis erectus bipedalis ramosus. Folia opposita petiolata late ovata acuminata grosse dentata. Flores axillares solitarii, folium vix aequantes, petiolo bracteis 2—3 lanceolatis vestito. Calyx laciniis lanceolatis. Corolla tubulosa subringens, tubo 1/2 pollicem longo, extus lutescente, intus purpureo striato, faucem versus inflato, basi calcare obtuso inflato, limbo quinquepartito miniato, lobis obtusis, 2 superioribus minoribus, lateralibus reflexis. — *Achimenes alrosanguinea* Host (!) — *Achimenes foliosa* Morr. — *Wlprs. Report.* VI. 737. — Crescit in Mexico.

XIV. CEIVTROSOLIEIVIA *Bnth.*

(Bnth. mss. ex Hook. Bot. Mag. t. 4552.)

Calyx 5-partitus, segmentis serratis. Corolla tubulosa, basi postice calcarata, fauce parum ampliata, in limbum brevem latissime 5-lobum expansa. Stamina prope basin tubi inserta, didynama cum rudimento minuto quinti, inclusa. Annulus hypogynus obscurus, glandula postica maxima. Ovarium oblongo-conicum, hirsutum. Stylus apice dilatatus, subcapitato-stigmatosus. Fructus capsularis? — A *Guthnickia* non differt, nisi glandula in annulo hypogyno obscuro postica maxima.

1. G. GLABRA *Bth.* 1. c. t. 4552. — Foliis disparibus, maximo oblique obovato-oblongo serrato costis subtus petiolisque pilosis exceptis glabro, oppositi parvo lanceolato; corollae pubescentis lobis inferioribus longe fimbriatis. — La Guayra.

XV. DICYBTA *RgL*

(Regel, Flora [B. Z.] XXXII. 181.)

Calyx tubo germine concreto, limbo quinquepartito. Corolla tubo subaequali, ventre subincurvo, basi aequali, intus inferne plicis tuberculiformibus duabus, limbo regulariter quinquepartito. Stamina quatuor didynama, cum rudimento quinti. Annulus perigynus crassus subpentagonus. Stigma capitatum depressum. — Herbae stolonibus squamosis perennantes. Folia opposita. Flores axillares.

1. D. WARSZEWICZIANA *Regl.* 1. cit. 181. — Tota planta pilis glanduliferis puberula. Caulis erectus, uni—bipedalis ramosus. Folia opposita longe petiolata, plerumque basi inaequalia ovata acuminata serrato-dentata. Flores axillares solitarii, folio dimidio breviores, pedunculis nudis, primo erectis, fructiferis nutantibus. Calyx tubo adnato, limbo regulariter quinquepartito, laciniis lanceolatis patentibus, deinde recurvis, tubum corollae aequantibus. Corolla tubulosa, tubo subaequali, lineas sex longo, ventre subincurvo, basi aequali, intus inferne plicis tuberculiformibus duabus, limbo regulariter

quinquepartito albo, fauce rubra, laciniis rotundatis pateniibus. — *Achimenes Warszewicziana* E Otto. — *Achimenes urtwaefolia* Warsz. — Crescit in sylvis prope Guatemala.

XVI. IVAEGELiIA Rgl. (nee *Rbnhrst.* nee *Lndl.*)

(Regel in Flora [B. Z.] XXXI. 249.)

Corollā oblique adnata, tubo ventre inflato, dorso recto, limbo inaequaliter quinquelobo, fauce late hiante. Annulus perigynus quinquecrenatus. Stigma capitatum. Reliqua ut Gesneriae. — Herbae stolonibus squamosis perennantes: foliis oppositis; floribus raceraosis, ante anthesin involtttis.

1. *N. (GESNERIA Kntb. & Bouché. - Wlprs. Reperl. VI. 399. n. 19.) GEROLTIANA Regel 1. c. — *Gesneria zebrma* Paxt. — Wlprs. Report. II. 718. no. 8. ft VI. 400. — Mexico.

XVII. KdLLIKEiIIA Rgl

(Hegel in Flora [B. Z.] XXXI. 249.)

Calyx *Niphaeae*. Corolla oblique adnata, tubo angusto brevi aequali, limbo quinquepartito bilabiato, lobis duobus superioribus minoribus erectis, tribus inferioribus labium patens formantibus. Annulus tenuis perigynus. Stigma capitatum. — Herbae stolonibus squamosis perennantes: foliis oppositis; floribus racemosis.

1. *K. (ACHIMENES Hook. - Wlprs. Report. VI. 400. no. 3.) ARGYROSTIGMA Regell.c. 250. — In republica JNovo-Granatensi.

Subtribus II. STIGMA BILOBUM.

Glandulae hypogynae quinque.

XVIII. OIESLERIA Rgl

(Regel, Flora [B. Z.] XXXII. 181.)

Calyx tubo adnato, limbo inaequaliter quinquelobo. Corolla oblique adnata, tubo inflato, fauce vix constricto, limbo patente subaequaliter quinquelobo. Stigma bilobum. Glandulae perigynae quinque. — Perennans herbaceae: stolonibus squamosis perennantibus[^] Folia opposita. Flores axillares solitani.

- [^] *G. PICTA Rgl. 1. cit. 182. — *Diaatema picta* Rgl. — Crescit (in Guatemala?).

XIX. ©IASTBiHA Bnth.

(Wlprs. Report. VI. 402. - Regel, Flora [B. Z.] XXXII. 179.)

Calyx tubo adnato, limbo quinquepartito. Corolla tubo subaequali **vel** ventre inflato, baai oblique adnato, limbo obliquo patente quinque-**fido**. stamina quatuor didynama, cum rudimento quinti. Glandulae per-

ng[^]nae 5, vel basi tantum in annulum confluentes, \el annulum magis minusve irregularem forrnantes. Stigma infundibuliformi-capi-tdtum depressum bilamellatum, lamelhs multo latjonbus quam Ionpis membranaceis. — Herbae slolonibus ptrennantibus squamosis. Flores corymbosi axillares, pedicellis gracilibus.

- 1 D GRACILIS Rgl 1 cit 180 — Caulis eiectus rmosus, 1—1¹/₂ ped altus, pilis patentibus adspci[^]us Folia opposita longe petiolata o\nlia acuminata, basi niapquidia, dentjta, sicut pedicelli, calyces el coiollamm tubi hirMita Floics in lainulis axillaiibus corjinbosi Lalycis lacimae erecto-paienles, angusle lanceolaiae, corollae lubo paulo brevioics Corolla ventncoso-(ampanulata, lubo 8 lin longo, vcnlie pjulo inflato, basi oblique adnalo, limbo inaequaliter qumquofido, candido, fauce rubio- punclaia, lacinnis duabus supenoubus niinonbus Annulus pongynus irregulans, poslice magis minusve OCCSUS Stigmatis mdivisi lamella inferior major. — *Achimenes gracilis* Wars/cw. — Crescit in sjlvis prope Guatemala.

XX. K O H I i £ R I A Bgl.

(Regol, Flora [B Z] XXI 250)

Calyx tubo adnato, limbo subaequahter quinquepartito. Corolla basi circumtumida, tubo rectiusculo, supra medium parum inflato, ad faucem constricto, limbo patente subatquahter quinclobo. Stigma bilobum. (Jlandulae penpynae quinque. — IMantae stolonibus squamosis perennantes: folns oppositis; llonbus axillanbus.

- 1 'K. (GESMRIA Uook — Wlprs Annal 1 472. no. 2) TRIFLORA Regel 1. c.-In Nova Gianata,
2 'K (GESNERIA H. B. Kth. — DC. Piodr. VII. 530. no. 25) IIONDLISSIS Regel I. c — Cuinana.
3 *K (GESNERIA H. B. K1h.- DC 1. 530 no. 28) IIRSUTA Regel 1. c.-In No\|a Granata.

* * *Annulus petigynus.*

XXI ACHIME1VE8 P. Br.

(DC. Prodr. VII. 535. — Wlprs. Report II. 719 ft 993 VI 400 ft 737, Annal. I. 473. — *Tunuama* Willd. - Regel, Flora [B Z] XXXI 251)

Corolla basi oblique adnata, postice magis mmus\|e gibba, tubo angusto aequali, limbo piano patente inaequaliter qumquelobo. 4nnulus peng[^]nus tenuis. Stigma bilojum. Reliqua ut in *Niphaea* — Herbae stolonibus squamosis perennantes: folns oppositis; flonbus a\|illanbus.

1. *A PICTA Bnth. — Wlprs. Report. VI. 400. no. 2. — *Gloxinia picla* Visiani, Atti della oitava nunione etc p. 559
2. A. OCELLATA Hook Rot Mag. lab 4359 f — Van Houtte. Floro des serres IV. tab. 336. — Elata erecta subsimplex caule supeine pubescenti-scabio. folns subfttge pe-uolatis ovaiis ncuminalis grosse serraiis rugos>is aspens, sublus coloralis, pedunculis axillanhus solitarus folio multo brevionbus, infra medium bibrnclcaais , flonbus nulan-tibus. calycis lubo ovano omnino adnalo corollae lubo campanulalo, lobis rotundatis subaequalibus patendbus ocellati<«. glandulis epigynis 5 aequalibus basi unitis — In islhmo Panamensi.

3. A. CANDIDA Liiull. Juurn. or the hort. soc. III. 317. (adn.) c. icon. — Van Houjte, Flore des sorres IV. tnb. 420. f — Caule toreti glabriusculo; foliis oppositis inaequalibus, basi obiiquis oblongis grosse serratis pilosis; pedunrulo trifloro petiolo aequali piloso; caljcis laciniis subulatis, tubo multo brerioribus; corolla^oe tubo obliquo decurvo, basi gibboso aequali, limbo obliquo, laciniis subrotundo-ovatis, antica majori, annulo dorso flxo. — A. *Knigtlüi* Honor.— In Guatemala.
4. A. ATROSANGUINEA Liodl. 1. c. 318. adn. (c. ic.) — Caule pubescente; foliis pilosis oblongis subcordalis erosse serralis oppositis inaequalibus; pedunculis unifloris petiolo longioribus; corollae tubo cylindraceo piloso, basi saccalo. limbo parvo patulo, laciniis subrotundis iniegris emarginalis, supnms minoribus. — *Ach. viscida* Hort. (?) — *Cheirisanthera atrosanguinea* Hort. (?) — **Habitat.** ?
5. A. MISERA Lindl. 1. c. 319. adn. — Tomentoso-pubesçens: foliis oppositis aequalibirs basi haud obiiquis oblongis grosse serratis; pedunculis solitariis axijlaribus petioli longitudine; corollae campanulatae intus 3-cristatae lobis ereclis subrolundoovatis, tubo basi aequali; calycis laciniis lanceolalis corollae subaequalibus; fllamentis spirilibus; annulo complete*. — Guatemala.
6. *A. LONGIFLORA DC. I. 536. no. 8. -Wlprs. Repert. II. 720. VI. 400. — Van Houtie. Flore des serres V. tab. 536. (var. *albiflora*). — *Achimenes Jaureyuia* Warszew. mss.

f Ieon addenda (plantae hybridaef).

- A. KLEEI Paxlon, Mng. of bol. XVI. 289. (c. ic. sed absq. diagn.)

XXII liOCHERIA Rgl.

(Regel, Flora [B. Z.] XXXI. 251.)

Corollae tubo supra medium inflato, fauce vix consricta hiante, limbo patente irregulariter quinquelobo. Anwilus perigyDus crassus. Reliqua Achimenes.

- *. 'L. (ACHIMENES DC. Prodr. VII. 536. no. 4.) HIRSUTA Regel I. c. 252. — In Brasilia.
2. 'I. (ACUIMENES Bnth. in Lindl. Dot. Regist. New. Ser. XI. tab. 31. — Hook. Bot. Mag. tab 4077. — Pan. Magaz. of bot. X. 271. c. ic. — Wlprs. Repert.. VI. 400. no. 1.) PEDUNCULATA Regel I. c. — Guatemala.
- ³ 'I. (ACHIMENES Gardn. mss. in Hook. Icon. pi. tab. 468. et Bot. Magaz. tab. 3993. — Wlprs. Repert. II. 709. no. 11.) MULTIFLORA Regel I. c. — Brasilia.

XXIII. * P I V J M A L Lour.

(DC. Prodr. VII. 537.)

XXIV (?). MISUARIA Cav.

(DC. Prodr. VII. 537.)

- *. *M. COCCINEA Cav. — DC. 1. c. no. 1. — Morren, Ann. de la soc. d'agric. do Gand V. 331. tab. 247. — Van Houlle. Floro des sorves IV. tab. 385. — Paxt. Magaz. of bot. XV. p. 147. (c. ic.) — Hook. Bol. Magaz. lab. 4462.

Subordo II. MESJERIEJLE Bartl- — DC. 1. c. 537.

XXV. CtASTRAHTTIUJS Bnth.

(Bmh. in Wlprs. Reprt. VI. 403.)

XXVI. RESLERIA Mart.

(DC. Prodr. VII. 537. — Wlprs. Reperl. M. 715. VI. 403 ft 738.)

1. B. SURINAMENSIS Miqu. Linnaea XXII. 471. f— Rumis subletragonis flexuosis; foliis cujusque paris inaequalibus, obovato- vel elliptico-obovatis acuminatis, basi attenuatis vel minoribus rotundatis subintegerrimis, subtus in nervis puberulis, supra pilis adnatis minutis inspersis; thyrsulo terminali velutino bracteato; calycis quinquepartiti lobis ovatis oblongis integerrimis, exclus pubescentibus; corollae tubo inferne glabro, superne lobisque extus sericeo-birlellis; staminum exsertorum filamentis pilosis; antherarum loculis secus latera barbatis. — In Surinam.

XXVII. ARCTOCALYX Fenzl

(Fenzl. in Otr. & Oietr. Allg. Garten-Zeit. XVI. 305. — Denkschriften der kaiserl. flsterreich. Akad. Math, naturw. Classe I. 177.)

Calyx membranaceus tubuloso-campandatus amplus, tubus ima basi ovario toto adhaerens libera parte inulto longiore membranaceus^reticulato-venosus exangulatus 15-nervis, limbus subinaequaliter quinque-dentatus, dentibus abbreviatis late rotundato-ovatis trinervis crenulatis vel semilatis. Corolla epigyna infundibulari-campanulata, tubo inferne late cylindrico ecalciato, basi aequali superne valde ampliato, fauce haud constricta, limbi subbilabati obliqui labio superiore porrecto bilobo, inferiore trilobo patulo, lobis omnibus subaequalibus semi-orbicularibus, margine fimbriatis vel subintegris. Stamina corollae tubo ima basi inserta quatuor didynama, postica ejus facie ascendente fauce vel lobis subexserta cum rudimento quinti paleaeformi apice incrassato. Antherae biloculares profunde cordatae in discum cohaerentes. Germen inferum subglobosum, disco epigyno annulari autice obsoleto, postice in glandulam bilobam tumente coronatum uniloculare; trophospermiis duobus parietalibus, dextrum et sinistrum ab axi floris lateribus occupantibus bipartitis, lobis divaricatis latis laminaeformibus simplicibus vel (sectione transversali) sagittatis vel semisagittatis. Gemmulae plurimae anatropae oblongae, funiculis brevibus trophospermiis utrinsecus affixae, horizontalis. Stylus filiformis crassus simplex. Stigma turbinatum infundibulare nudum. Capsula calyce inclusa membranaceo-subbaccata unilocularis polysperma. Semina ?'

1. A. INSIGNIS Fenzl. 1. c. 306. f— Suffrutex elatus erectus hirsutus, in sicco pubescenti-tomentosus, nodis glabris. Folia suboblique ovato-lanceolata vel elliptica acuminata duplicato-serrata, supra breviter hirsuta, subtus glabra vel nonnisi venis crassioribus

pubescens-lurid Flores axillares 2—3 fasciculati, pedunculo communi pedicellis calycem aequantibus vel superantibus brevioribus. Calyx usque ad medium hirsutissimus (in sicco tomentosus), superne nonnisi venulis sparsim hirsutus, dentibus rotundato-ovatis, margine erecio minute serratis, denticulis apice incrassatis, tubo intus sparsim hirsuto Corolla calyce 4—5-plo longior tubuloso-campanulata recta, exclusis sparsim hirsuta, intus glabra aurantiaca, lobis margine subintegris fusco-maculatis Stamina glabra corollae lobis subinserta Stylus interne hirsutus, superne glaber — *Lieslena instynis* Martens et Galcott — Wlpr. Report. II 715 no. 1.— Crescit in Mexico tropica, altitud 4000 ped

- 2 A EMILICHERIANUS C Holler mss ex Fenzl 1 cit p 307 — Van Houtte. Flore des serres VI 43 tab 546 — Paxl 8c Lindl Flow gard I 95 fig. 69 — Suffrutex elatus hirsutissimus, in sicco tomentosus, nodis glabris Folia basi inaequalia, lanceolata acuminata dupliciter serrata, minime, subtus nonnisi vix crassiuscule longe hirsuta Hoies axillares solitae vel 2—5 subumbellato-fasciculatae, pedicellis calyce brevioribus. Calyx ulnae medium hirsutissimus (in sicco tomentosus), superne nonnisi venulis hirsutus, dentibus longioribus-OAati*, margine reflexo minute serratis, tubo intus hirsuto Corolla calyce 4—5-plo longior infundibulari-campanulata curviuscula, exclusis hirsuta, intus glabra laevissima amantia, lobis margine fimbriato-denticulatis, intus fusco-purpureo-maculatis Stamina glabra. c. fauce parum inserta Stylus usque ad apicem hirsutus — Crescit in Mexico tropica.

XXVIII KOKOSCHKISIA Turcz.

(Turcz Bulletin de la soc. des natur de Moscou XXII II 33. tab. 2.)

Calyx pentagonus quinquefidus. Corolla infundibuliformis, basi angustata, limbo aequilobato quinquelobo. Stamina didynama 4 fertilia, filamentis filiformibus imo tubo corollae adhaerentibus inclusa, antheris bilocularibus, loculis divergentibus suis sum spectantibus, sulco longitudinali dehiscentibus, connectivo supra loculos bilobato umbo rotundato, altero unilobato duplo majore Nectarum annulare ovarium ambiens. Ovarium liberum oblongum, placentis parietalibus duabus neisiformibus, ovulis numerosis. Stigma compresso-clavatum brevissime bidentatum Capsula immatura oblongo-comata, ad stylum attenuata bivalvis valvis crassis subcarnosis, septulo angusto incompleto percursa — Frutex? subramosus: ramis axillaribus, foliis oppositis petiolatis oblongo-lanceolatis, basi interdum subinaequilatis, inaequaliter serratis acuminatis, utrinque praeter nervum medium subtus leviter puberulum glabris penninatis, panicula terminata opposita ramosa, ramis spicatis, floribus pedicellatis; corollae in sicco lutescentibus, veliosimiliter roseis, majusculis; antheris pilosis, stylo luteo

¹ 'K. PANICULATA Turcz 1 c 34. tab. 2. ^ Habitat in Guajaquil, Serra de Santana.

XXIX CAPAEA Dene

(Dene, in Van Houtte. Flore des serres V tab 499 500).

Calyx liber subregularis quinquepartitus, lacinis ovato-acuminatis lobis tribus trinerviis. Corollae (fere *Ligenae*) irregulariter campanulatae tubo vix curvato, inferne parum ventricosa, limbi leviter obliqui lobis latiusculis emarginatis, inter se subaequalibus. Stamina quatuor, didynama inclusa, filamentis filiformibus connatis, antheris cordiformibus in discum octolobum inter se confluentibus, stigmatibus impositis.

Ovarium liberum disci lobis 5 cainosis stipalum Caoleia ignota — Herba No\o-Granatensis peiennis, basi subligno^a rimis subsondentibus, folns opposihs pctiolalis o\alibus, interdum basi inaequalibus, rrrngis minusve acuminatis, mar ino cremto-dentalis, utnnque pilis longiusculis albidis molliter lurto-pubescntibus pedunculis axillaubus vel lerminalibus loneis sertulo paucifloio lermmalis pedicellis maequalibus loneis erfctis, basi]ractcola lanceolata stipntis flonbus nutantibus conspicms magnis extus pubescnlibus> albis tubo intus lmeis, limbo punches scnalis purpureis elcganhbsime picto

1 T (BESLFRIA? II B Kth Nov gen Am II 401 - DC Prodr VII 539 — DRY-MONIA G Don Geneial syst of gard md bot IV 635) GR4.NDIFI ORA Dene 1 o — fn Nova Gnmnta

XXX €R£HO8P£»1I% Bnth

(Wlprs Report VI 404)

XXXI H1POC1RTA Plum

(DP Piodi VII 5^0 — WJpis Repeit II 715 VI 404 Antnl I 474)

I II GI AURA Hook Bot Magaz t 4346 f — Crecta Coins ollipticis obtusis nilidis obsoletissime hiisutis subencrvns bieviter peliohls pedunculis axilhnbus aggrcgatis (2—3) muttons bækî bibncntis CJ1\CIS lobis sciratis corollis nnlicis grosse ventn cosis inferne bre\issime constucl/s limbo contacto 5-dLntito — Ihbiidt in America austrah

t Ieones addendae.

II GRACILIS Mtit — DC 1 c 541 no 1 — Paxt & I indl Flow gird I 123 fig- 83 — Hook Bot Migaz tab 4531

XXXII DIPL.OCAIiYX Pi si.

(Wlprs Reperit VI 738)

XXXIII COI,UM]VE\ Plum

(DC Prodi VII 541 — Wlprs Reperit II 714 VI 404 & 738 Anml I 474)

1 C AURAMIACV Dene in Van Houtte Flore des series VI 45 tab 552 —Paxt a I indl Flow gaid I 95 fig 68 — Suffi mescens scandens caule succulento epidei mide demum semiglabiata papuacea fraoili folns oppo^itis aequalibus bie\uei petiolalis lanceojflto-oblongis utunque sicut nmuh pedunculi cihces corollaeque extus migis minusve adpresse villosis (pilis in sicco nuentibus) 3—4 poll longis icuminaiis levitor denuculal s oblique nervosis subtus pillidib pedunculis ixillnnbiis unifloi k pendulis folium subaequintibus ohcis pennphjlli foliolis ovalo-acuminatis margine denuculaiis (multo minus alte quam in itone) coroll e fere bipollicans aurantiacae tubo ventneoso hbio supcnoie leMter emargmito (nee ut in icone integro et apicuhto) hcinnis omnibus eioso-denticuhtis ghndulis v lobis disci quinque inter se mogis minusve discretis posticis dudbus magis minusve confluentibus — In Andibus Mendensibus

XXXIV DBIMOMA *Matt*

(DC Piodi VII 543 — Wlprs Repert. II. 716 VI. 406, Annal I 474.)

- 1 *DR CRISTATA Miq — Wlprs Repeit VI 406. no 1 — Van Houtte, Flore des series IV tab 388 — Paxt. ft Lindl Flow gaid I 42 fig 25. — *Di sarmenlosula* Lemaire *nisa*

XXV. HEISTTZIA *Karsten*(Kaislen in¹ Otto a Dietr Allgeni Gart - Zen XVII 33 ft Ausw. schdnblühond. Gwchse. Venezuel 34 + tab 11)

Calyx hbei quinquepartitus subinaequalis persistens, lobis basi nervo mecho exrescente callosis, aestivatione vahala Corolla hypogyna infundibuliformis, extus supra basin ad marginem limbi tomentosa, tubo subcunato, limbo quinquepartito inaequali subbilabiato, lacinnis subcoidato-orbiculatis, patentibus, duabus supenonibus minoribus, Inbus mfeionibus paulo majoribus. Stamina quatuor didynama inclusa, filamenta subulata, basi dilatata, in tubum poslice fissum coalita, hie coiollae lubo adnata, antherae per pana cohaerentes, biloculares ovatae. Ovarium hberum, disco annulati cinctum tomentosum uniloculare, placentis duabus parietalibus, bilobis, ovula plunna in funiculis longissimis analiopa Stylus simplex teies, longitudine filamentoium minorum. Stigma infundibuliforme subbilobum. Fiuctus carnosus unilocularis corticalis, dtmum bivalvis, valvis medio placentifens Semina plunna, in pulpa nidulata, ovaha vel obovata, testa Crustacea, sparsa stnata. Embryo in albuminis oleosi parci cylindricus. cotyledonibus brevissimis applicatis, ladicula umbilico proxima tereti.

- 1 II TIGRIINA Kaisi 1 1 c c 34 f — Suffruticulus caule eicte ramosoquadro — quinquepedali bubletiacono, foliis oppositis petiolatis crassiusculis velutinis, supra obscure induribus, subtus pubescentibus. costa media venisque prominentibus cum caule rufescentibus lanceolatis, basi sensim attenuatis, apice acuminatis, margine crenato-serialis, in florescentibus axillaribus umbelliformibus (cymis confusus) pedunculis minutis, pedicellis bracteatis longioribus, apice subgemmalis, flonibus speciosis piceis, calycibus bracteisque roseis cotollis albis, limbo puniceo-maculato — Crescit in provincia Caiacas Americae meridionalis

XXXVI TAPEUOTJES *DC*,

(DC. Prodr VII 544. — Wlpris Repert II 716)

XXXVII URBMATA ^TTHUS *Schrad*

(DC. Prodr VII 544 - Wlprs Repert II 716 a 993. VI 406. W 739.)

- 1 N IONCMA Mart — Van Houtte, Flore des series V tab. 498 — Hook. Bot. Magaz. tab 4460 — Folns late lanceolatis, utrinque acuminatis, calycibus violascentibus incano-hirsutis, pedunculis 6—12-uncialibus violaceo-alboque-villosis — Brasilia
- 2 N CALCARATUB Miq Cinnipa XXII 472. f — Folns breviter lanceolatis subacuminatis integerrimis vel superne repando-serratis glabris, flonibus breviter pedunculatis axillaribus, calyce obliquo quinquelobo subspathaceo-flosso, corolla alba infundibuliformi

formi-campanulata, basi calcanta — Species singularis corollae foim *Nematanthum* cum *Centi osclenw* Bnth conneciens — Crescit in Sunnam, in sylva prope plant Berlyn tiuncis innascens

XXXVIII *CETROSOLIVIA* Bnth.

(Wlprs Repert. VI 739)

XXXIX *AILOPLECTIS* Matt.

(DC Prodr VII 545 — Wlprs Repert II 716. VI 406 fit 740)

- 1 A *CAPITATUS* Hook Bot Magaz tab 4452 f — Van Houtte, Floie des serres \I 175 tab 588 — Elatus robustus caule simplici obtuse tetragono folns amplis o*atis serraiis, dense velutino-senceis, subtus petiolisque magis minusve sanguineis pedunculis axillanbus foliorum supremorum brevibus, flonbus dense umbellaio-capitatis pedicellis simplicibus urabellalisque calycis sangmnei sopahs amplis folioeis cuculintis marginibus reflexis dentatis corolhe calycem MX dupio superantis senceae flavae tubo supra medium ventncoso — *A specwsus* Hortul (nee Poepp) — In America tropica*
- 2 A *CONCOLOR* Hook Dot Magaz tab 4371 f — Frmicosus eiectus folns oblongo-ellipticis utnnque acununatis integernmii glabns flonbus (cahec corollaque) axillanbus subsessilibus aggregatis concolonbus lubns sepalis tnangulanbus inlegernmis glabns corollae hirsuli&simae claiatae lubo superne insigmti ventncoso, ore valdc obliquo, limbo erecto - patente — Habitat in Brasilia

f **Icon addenda.**

- A *REPEFRIS* Hook — Wlprs Rtperl VI 406 no 2 — Van Houtie, Flare des series IV tab 392

XL *EPISCIA* Mart

(DC Prodr \II 54b — Wlprs Repert II 717 VI 740)

- 1 C *BICOLOR* Hook Bot Magaz tab 1390 +— Moncn, Ann de la soc dagncult de Gand IV 371 lab 220 — Nan Houlte Flore des scries IV tab 398 — Hirsula humilis decumbens folns pciioiatis cordato-ovaus acutisgiosse serraiis impicisse vtnosis pedunculis peliolos subaequantibu* axillnibus simplicibus v bi—tnfldis gncilibus hlrsu-sutfs sepalis linean-hnccolatis apice recurvis corollae tubo calyce dupio longjorc ore obliquo, limbo subaequalner 5-lobo, lobis lotundatis ovario supeino hirsuto — Habitat in Nova Granada

XI *TUSSACIA* Bnth

(Wlprs Repert VI 740)

XII. *SABMTESSTJK* Rz y Pav.

(DC Prodr VII. 547)

f **Ex online expellatar:**

KLUGIA Schlichtd (DC Prodr VII. 543) ad *CYRTA^DRACLAS* pertmet (Cf DC Prodr IX 275 J)

Ordo CXXII. SPHENOCLEACEAE *Mart.*

(DC. Prodr. VII. 548.)

1. SPHENOCLEACEAE *Grtnr.*

(DC. Prodr. VII. 548.)

i. 'SPH. PONGATIUM DC. 1. c. - Wght. Illustr. of Ind. bot. II. tab. 138.

Ordo CXXIV. NAPOLEONAGEAE *Palis.*

(DC. Prodr. VII. 550. — Wlprs. Repert. VI. 408, Annl. I. 475.)

I. (4263.) NAPOLEONAGEAE *Palis.*

(DC. Prodr. VII. 550. — Wlprs. Roperl. VI. 408, Annl. I. 475.)

1. * N. IMPERIALIS Palis. — DC. 1. c. — Wlprs. Repert. VI. 408. no. 1. — Van Uoullé. Flore des scies IV. tab. 386. 387. — Hook. Bot. Mag. tab. 4387.
 I *N. VOGELII Hook, ft Planch. — Wlprs. Annl. I. 478. no. 1. — Hook. Niger Flora, 360. tab. 49. 50.

Ordo CXXV. ERICACEAE *Kitzsch*)*

(Kitzsch in Linnaea XXIV. 12. ft Flora [B. Z.] XXI. 225. — *Ericacearum* trib. III. *Ericaceae* D. Don. — Benth. in DC. Prodr. VII. 612. — Wlprs. Repert. II. 728. VI. 419. ft 741, Annl. I. 481.)

Gemmae foliiferae & florales tegmentis destitutae. Folia persistentia acerosa, plerumque verticillata, sterigmatibus instructa. Organa floralia

*) Ericaceae, Siphonandraceae, Menziesiaceae, Rhododendraceae, Cleisthaceae, Epacridaceae & Hypopitveae iterum ad subclassam *Bicornium* conjunct cl. **Fr. Klotzsch** (Linnaea XXIV. 10. "sea.), cujus characteres hic sequuntur: Fructus aut arbores, rarius herbae. Gemmae foliiferae et florales nudaee aut squamosae. Folia alterna aut verticillata, decidua aut persistentia, rarissime nulla. Calyx liber aut cum ovario connatus, persistens, rarissime

marcescentia. Corolla gamopetala leucans. Antheria ante anthesin
foveolibus ufid - apicalibus lateralibusque conjuncte tubul
superus.

XX. (4313) ERICA L

(Benth in DC Prodi. \II 613 - Wlpr* Reperit II 728 VI. 419, Annal. I 481)

1 *E PULVULULENTA Hoit (spec hylrida⁹) — Pailon, Magaz of hot XVI p 163 (c it)

XXIV (4309) BLEPHARIZ.

(Benth. in DC. Piodr \II 697. - Wlprs Reperit II 728 [VI 419 J)

1. DL SPIGATA Hochst mss in A Rich. Tent fl Ab\ss. II 13 — Gaulc frutescente, a
basi ramoso erecto dumoso pedali lamis erectis gracilibus teretibus pubenti - pulve-
ruleniiis, folns terms linearibus acutis, superne planis, subul margmibus relluxis
ciliatis convexis glanduloso-pubcnlibus>, 3 lineas longis, flonbus purpurascntibus
brevitei pedicelluis biactealis, in lacemo smipliu intenupto di&posiis, bractea unica
\eius basin pedicdli wseita lanceolata acua uliala, calycem aequante aui co bie-
MOII, calycis 4-pai titi lacuis ovili-lanceolatis acuti<>, margme louge cili.ilo-glandu-
IQSIS>, corolla tubulobO-infundibulifoMiii, limbo longitudine lobi 4-fldo, lacimis oblu-
sis&imib maigine glan lulobis slvlo antheri!>que inclusis, basi aiiftatis — Habitat in
monie Abjssimac Bounhit 11—12000 pedts supra mare
- 2 BL CONDICINbATA Hochst 1 cit. p 13 — Caule frutescente, a ba*si ramoso bpedali,
i amis vugatis teretibus glanduloso-lintis, folus teim> lmeanbus, maiginibus rdlexis
sublcreiibus, apice sciula ternmntib, glanduloso-pilosis, 3 lm longis, flonbus pui-
puiascenlibus in racemum simplicem donsum congrstis, brtvitei peditcllaiib, bractea-
tis, biadcis buns opposius liicanbus glanduloso-ciliatis versus basin pedicelli inser-
tis, caljcis quadupailiti launiC) lanccolatis dissecto -ciliatis glanduloMS, apice setula
teiminaiis, corolla tubuloao-infuudibuhformi, tubo basi inflato, limbo tubi longitudine
4-fldo, lacimib obiusis glandul06i!>, nntnen^ mclubia, shlo dciuum excscito — Habitat
in Aby&simac monte Selki ad teiminum fiuticum el aiborum

sime deciduus Corolla gamopetala rarus pleiopetala, regukins, nonnunquam suburegu-
laus, annulo h\pogvno am epigyno insertn. pleiuique deculua Stamina cum coFolla
mseita, subinde (idem adnau, ejusdem lobis» numero aequalia el alterna aul dupla
Anlhcic paiallele bi— umloculaies, doisoafflxac, imioisao, interdum pinnum lelioflexae,
luuticae aul ansialac, vine dihiscentes Pollinis gianula sj^iaeuca uiplurimuni quaterna
quasi teliatdnce tonnali pulveracea, lanus filis viscidulis iilciloxia, raiu>jime subovato-
tiitfona Ovanum 2—5-mcium, placentis centralibus Stigma capitatum submdc trifldum.
Semina paiva liidcfuiia v dclfnita Embryo intra albumen coiyledoneus scmpei absque
vnsis. s anot\Icdoneus

Ordo CXXVI. SIPHONANDRACEAE *Kitzsch.*

(Klitzsch Linnæa XXIV. p. 11. fit 13. — *Vaccinieae* DC. Prodr. VII. 552. & 794. — Wlprs. Report. II. 723. VI. 408. & 740, Annal. I. 475. — *Encacearum* trib. I. & II. *Arbuteae* Be *Andrompdeae* DC. I. c. 580. & 2«8. [ex p.]

Gemmae foliiferae & florales squamosae. Corolla gamopetala regularis decidua. Folia alterna expansa. Antherae demum introrsae, loculis apice disjunctis, antice ab apice poro aut foramine plus minusve Wongato dehiscentibus. Fructus inferus aut superus baccatus, drupaceus aut loculicide capsularis.

Tribus I. VACCINIEAE DC. — Kitzsch. 1. c. 14. & 18:*)

Fructus inferus baccatus aut drupaceus.

Calyx adhaerens, limbo epigyno 4—5—6—7-partito deciduo aut persistente. Corolla epigyna gamopetala 4—5—6—7-divis3 decidua, per aestivationem imbricata. Stamina corollae laciniis numero dupla, epigyna uniseriata, filamenta in tubum connata aut libera. Antherae biloculares introrsae dorso affixae, loculis parallelis, apice discretis tubulosis. Ovarium inferum aut semiinferum 4—5—6—10-loculare. Placentae columnae centrali adnatae 1—multiovulatae. Stylus unicus, stigmate capitato. — Frutices ramosi: ramis ramulisque teretibus aut irregulariter angulatis. Folia alterna simplicia integra decidua aut persistentia. Flores solitarii aut racemosi, rarus spicati.

A. Antherae inferne bi-,superne uniloculares.

I. UfACIiEAWIA Hook:

(DC. Prodr. VII. p. 577. — Wlprs. Report. II. 724. VI. 415. Annal. I. 478. — Klotzsch, Linnæa XXIV. 19.)

Calycis tubo cum ovario connato pentaptero, limbo supero ampliato P^s minusve obsolete 5-dentato, Corolla lubulosa pentagona. infra medium ventricosa, limbo 5-fido. Stamina 10, inclusa. epigyna? filamentis n urcpolum connatis; antheris muticis supra basin affixis, inferne bilocularibus, scabris, superne unilocularibus glabris, an I ice apiceque foramine elonsato dehiscentibus. Ovarium 5-loculare, multioyulatum. Stylus cyhndricus corollae longitudine. Stigma capitatum. Fructus igno-

*) Dissertationem Kloizschianam hoc loco ex annotationibus meis valde amplificatam rec. in am etiamsi post annum 1850 in lucem prodisset.

tus. — Frulices Americani habitu *Tliibaudiae*: corlice dcciduo; radice carnosa. Folia coriacea persistentia inlegerrima. Floros in axillas fasciculati aut racemosi.

a. *Flores in axillis fasciculati.*

1. *M. FLORIBUNDA Hook. Icones plontorum t. 109. — DC. Prodr. 1. c. p. 578. — In Andibus Peruviae ail Jambras bamba.
2. *M. LONGIFLORA Lindl. Dotanical Register (New Series) XVII t. 25. — *M. tenuifolia* Wlprs. Repert. VI. p. 415. no. 6. — In Andibus prope Lqxa.
3. *M. ANGULATA Hook. Botanic. Magaz. t. 3979. — Wlprs. Repert. II. 724. no. 1. — In Andibus Peruviae.
4. *M. MACRANTHA Bnlh. — Wlprs. Repert. VI. 415. no. 3. — Kltzsch. 1. c. 20. — In sylvis Guayan, in declivitate occidental! monlis Pichincba.
5. *M. PUBIFLORA Bnth. — WJprs. I. c. 415. no. 5. — Prope Hacienda de Hato frio, prov. Popayan.
6. M. CORDATA Van Houtte, Flore des series IV. lab. 312. f — Foliis ovali - oblongis vel lanceolotis, basi cordatis, crassis subcoriaceis, brevissime petiolalis subsecundis; floribus numerosissimis ternalis vel qualernis pendulis; calycis glaberrimi laciniis deltoideis; corollae carnosae pentangulae lubo recto nd apicem altenuato iritus extusque glaberrimo, limbi lobis intus villosis. — Folia 2½ poll, longa, 1% poll. lala. — *M. colorata* Kltzsch. I. c. 68. — *M. ovata* Kltzsch. 1. c. 20. — *Gaultheria cordata* lion. — In Andibus Peruvianis (?).
7. *M. BENTHAMIANA Wlprs. 1. c. 415. no. 2. — Kltzsch. 1. c. — *M. floribunda* Bnlh. (ncc Hook.) — In montibus Loxa.
8. *M. INSIGMS Martens & Galcotti. — Wlprs. 1. c. H. 724. no. 2. *tic* Annal. I. 478. no. 1. — Kltzsch. 1. c. — In Mexico.
9. M. PUNCTATA Hook. Rot. Magaz. tab. 4426. f — Kltzsch. 1. c. — Foliis sessilibus cordatis obtusis punctatis coriaceis penninerviis; pedunculis glomcralis axillaribus terroinalibusque; corollis conico - urceolatis 5-gonis, ore dilatalo, lobis patentibus. — In Andibus El Equador.

b. *Flores in axillis racemosi.*

10. *M. CORDIFOLIA Bnlh.— Wlprs. 1. c. VI. 415. no. 4 — Kltzsch. I. c— In Hacienda de Iravi, prope pagum Perucho.

II. TYRIA *Kltzsch.*

(Kltzsch. Linnæa XXIV. 21.)

Calycis tubo turbinato 10-costato, limbo 5-partito corolla duplo breviore, laciniis lanceolatis, marcescentibus. Corolla cylindrica 5-fida, subcoriacea, laciniis subreflexis, acutiusculis. Stamina 10 epigyna, inclusa, filamentis per totam longitudinem in urceolum connatis. Antherae supra basin affixae, muticae, inferne biloculares scabrae, superne uniloculares in lubum simplicem attenuatae et foramine oblongo introrsum dehiscentes. Ovarium 10-costatum, 5-loculare, loculis uniovulatis. Stylus cylindricus corollae longitudine. Stigma capitatum. Fructus ignotus. — Frutex Peruvianus habitu *Ceratostematis*. Folia sparsa coriacea oblonga. Flores in axillis fasciculati secundi.

1. *T. SALAPA Klotzsch I. c. — *Ceiastema Salapa* Bnth. Pl. Harlw. p. 141. n. 784. — Wlprs. Repert. VI. 409. no. 4. — In montibus Loxa.

B. *Antherae usque ad apicem biloculares.*

I. Filamenta in tubum connata.

a. *Antherae alternating inaequilongae.*HL. SATJRIA *Kltzsch.*

(Kltzsch. Linnaea XXIV. 21.)

Calyx urceolatus, basi truncalus, limbo cupuliformi 5-dentato. Corolla tubulosa, versus apicem attenuata, limbo brevi erecto 5-fido. Stamina 10, epigyna, inclusa, filamentis per totam longitudinem in urceolum connatis. Antherae oblongae bifidae exaristatae inaequilongae rpbustae, anlice apiceque foraminibus elongate dehiscentes, 5 exteriores breviores, 5 interiores longiores. Ovarium depresso-cylindricum, carnosum, utrinque truncalum, 5-loculare, loculis uniovulatis. Stylus filiformis exsertus, apice curvatus. Stigma incrassatum. Fructus ignotus. — Frutices Americani: ramis ramulisque albidis obtuse angulatis; foliis oblongis coriaceis tripli — quintuplinerviis; floribus corymbosis axillaribus.

1. S. WARSZEWICZII Kloizsch I. c 22. — Foliis oblongis triplinerviis acumintis, basi attenuatis brevissime petiolalis; corymbis axillaribus 7—9-floris. — Folia 4—6 pollices longa, 1—IV₂ poll. lata. Pedunculi semipollicem longi. Pedicelli 7—10 lin. longi, basi bractea minuta persistente instructi. Corolla 9 lin. longa, purpurea. — In Veragua.
2. S. CLONANTHA Klotzsch I. c. — Foliis ovato-lanceolatis tripli — quintuplinerviis acuminatis; corymbis axillaribus 5—6-floris. — Folia 3—6 pollices longa, 1—I¹/₂ poll. lata. Pedunculi 3 lin. longi. Pedicelli 6—8 lin. longi. Corolla 7—8 lin. longa. — In Veragua.

p. *Filamenta alternatim inaequilonga.*IV. SOCRATESIA *Kltzsch.*

(Kltzsch. Linnaea XXIV. 22.)

Calycis limbo tubuloso, 5-dentato, basi stellatim 5-gibbo. Corolla tubulosa, limbo erecto 5-dentato. Stamina 10, longa, monadelphica. Antherae lineares bipartitae, apice aequales, inferne alternatim breviores, basi brevi liberae. Filamenta alternatim longiora, basi monadelphica. Racemus inferum parvum, calycis gibbis tectum, 5-loculare, loculis pauciovulatis. — Frutex Americanus: ramis ramulisque teretibus; foliis quintuplinerviis-acuminatis; racemis terminalibus paucifloris; floribus pendulis; pedicellis medio bracteis duabus cordato-ovatis coloratis suffultis.

- * S. MELASTOMOIDES Kloizsch I. c. 23. — Foliis ovatis, coriaceis. longissime acuminatis; racemis terminalibus 4—5-floris; bracteis magnis calyceque coccineis; corollis violaceis. — Folia 1¹/₂—2¹/₂ Va P⁰ inferne 8—14 lin. lata. Pedicelli pollicem longi. Bracteae 3 lineas in diametro. Calycis limbo 3 lin. longo. Corolla anguste tubulosa 12—14 lin. longa. — In Costa Rica.

V. **ORTHACIA** *KUzsch.*(Klitzsch. *Linnaea* XXIV. 23.)

Calyx, campanulatus, limbo libero cupulari 5-dentato. Corolla lubuloso-conica, basi subventricosa, coriacea, limbo erecto 5-dentato. Stamina 10 corolla 3-plo breviora. Antherae biloculares, dorso infra medium affixae, inferne liberae saccatae hispidae, superne tubulosae, tubulis laevibus divergentibus apice poro dehiscentibus. Filamenta inaequilongae inferne in anulum connatae. Ovarium 5-loculare, loculis multiovulatis; placentae centrales magis pilvinae. Stylus filiformis corolla parum brevior. Stigma capitatum. Fructus baccatus 5-locularis polyspermus. — Frutex biogyalis debilis: ramis elongatis flexuosis laevibus glabris; foliis alteriis breviter petiolatis rigidissime coriaceis ellipticis acuminatis; gemmis floriferis strobiliformibus; racemis axillaribus solitariis aut pseudo-terminalibus geminis; floribus erectis secundis.

I. *O. SECUNDFLORA Klitzsch 1. c. 24. — *Thubaudia secundiflora* Poepp. et Endl. Nova genera ac spec. I. p. 5. t. 9 — DC. Prodr. VII. p. 794 no. 25. — In Peruviae orientalis Andibus solum locis rupesribus, ad Cassapi el Cuchero.

c. Antherae filamentaque aequilongae.

a. Antherae poris dehiscentes.

VI. **SIPHONANDRIA** *Klitzsch.*(Klitzsch. *Linnaea* XXIV. 24.)

Calycis tubo hemisphaerico, limbo cupulari acute 5-dentato. Corolla cylindrica, limbo aperto 5-dentato. Stamina 10, corollae tubi longitudinali. Antherae biloculares, longissime tubulosae, tubulis apice antice poro dehiscentibus. Filamenta brevia, in anulum connata. Ovarium 5-loculare, loculis multiovulatis. Stylus filiformis subexsertus. Stigma capitatum. Fructus ignotus. — Frutex Peruanus: ramis obtuse angulatis; foliis ellipticis obtusis mucronatis, subtus sparsim punctatis; floribus racemoso-glomeratis in apice ramorum axillaribus.

1. *S. ELLIPTICA Klitzsch. I. c. — *Thubaudia elliptica* Ruiz et Pavon. Flora Peruv. IV. Ic. ined. t. 383. — Hook. Icones plant, t. 108. — DC. Prodr. VII. pag. 563. n. 13. — In Andibus Peruviae.

p. Antherae foraminibus dehiscentes.

VII. **OREOXETHES** *Benth.*

(Wlprs. Repert. VI. 409.)

1. *O. DUXIFOLIUS Benth. — Wlprs. 1. c. 410. no. 1. — In montibus El Sieme.

VIII CIVEIDISHIA Lindl

(Botanical Register t 1791 ia nota —DC Prodr VII p 565)

I C INOBILIS Lindley — DC 1 c — In Peruvia

1\ SEMIR% MISI% Kllzsch

(Kllzsch Linnaea XXIV 25)

Calyx turbinatus 5-cosfalus, limbo membranaceo 5-dentato Corolla ampla tubulosa subvenlncosa cainosa, limbo plicato 5-dentato Stamina 10 subsessilia, longissime tubulosa Antherae biloculares, dorso supra basin affixae, scnbiae, tubulis inthera rpsa 6-tuplo longioribus glabns, apice anticeque foiamine oblongo dehiscentibus Filamenta brevissima in annulum connata Ovanum 4—5-loculare, loculis multio\ulatis, placentis centralibus stipitatjs Stylus filiformis exsertus Stigma clavatum Fructus ignotus — Frutices Columbienses 3—4-pedales* divancato-ramosissimi ramis flexuo^is glabns pedicellisque tegmenlis sparsis paivis subulatis ngidis persistentibns instructs, folns ovatis acuminalis ngidis 5—7-tuplinervns, flonbus maximis sohtarus extra-axillanbus, pedicellis suisum incrassatis

- 1 S SPLCIOSA Kllzsch 1 c — (olns quinluplinerviis ovalis acuminalis basi (runcato-subtordatis flonbus lobuslionbus in ipice nmuloium sitis — *Thibaudia* specrosa* Bnlh Plantae Harlweg pag 141 n 758 — Wlprs Repert VI 411 n 2 — In monlibuj» Loxensibus
- ? S KARSTLMANA Kllzsch 1 c 26 — Foliis sepiiiplinervus ovatis acummatis, basi rotundato-subcoidatis flonbus leneris inter folia sitis — Pedicelii lineam longi Folia 5—7 poll longa 10—15 lineas lata Pedicelii 10 lin longi in feme gracilliuui Corolla minutissimo puberula 18—20 lineas longa, rubra — In Puerto Cabello

X. EUKYGA1VIA Kllzsch.

(Kllzsch Linnaea XXIV 26)

Caly ~~urceolatus~~, **limbo cupuliformi 5-dentato** **Corolla cylindraceo-dibulosa limbo 5-dentato**, **Jaunus obtusmscuhs suberectis** **Stamina** 10 epigyna, filamenlis bre\lbus in annulum connatis, anthers bilocularibus, dor^o infra medium affixis, longe tubulosis, tubulis apice anticeque foiamine oblongo dehiscentibus, corolla brevioribus Ovanum 5-loculare loculis multio\ulatis Stylus filiformis exseitus Stigma obtusum. Fructus ignolus. — Frutices arborescentes Peru\iam et Novo-Granatenses erech ramosi. ramulis teietibus, folns oblongis subsessilibus penmervns obtusis, alterms aut oppositis. maiginibus recurvis diaphanis, mtegermmis aut serratis, flonbus a>illanbus racemosis

a loin alterms*

- ¹ E ANGLSTIFOI IA Kllzsch 1 c — *Thibaudia angushfoha* Hook Icones plantarum t. HO - Wlprs Repert VI AU no 8 - In Andibus Peruviae

- 2 *L MULTIFLORA Kltzsch 1 c 27 — *Ihibandia muUifUua* Ruiz et Pivon — DC Piodi VII p 561 no 1 — In Andium monubu» iu^idis sixosis et {arcot>i'> IOLI& Peruvnt

b Fols oppositis

- 3 T ARDISIAI K)LIA Kltzsch 1 c — *Tlnbandia aidmaefoha* Humb Bonpl Knth ^ov gen cl spec plantai HI p 274 -r- D(I c p 564 n 24 — In locis sylvaticis INovo-Gianatensium

XI CERATOSTEMA *Juts.*

(Dunal in DC Prodr MI p 552 - Wlprs Repert VI 468)

- 1 C LONGIFLORUM Lindl mss ex Van Houtte Flore des series IV p 346b tab 353 — Kltzsch Linnæa XIII 68 — Rtmis villosis fols persiilenlibus conaceis oblongis sessilibus laevibus nrjrgine subievolutis omnino inlegria flonbus icimmalibus laxefasciculdlis pedunculis. tomentosis ($\frac{1}{8}$ c poll long) cat lobis trianguhu-ovalis aculis ciliaris sublatvibus coiolla cylindiica acute 5-rirnliti (oubbipoll) stamimbus cornua Ma summa supra coi lubum projicienlibus slam laevibus, connectivo fete squamoso grot>e villosa — In Andibus Peiu\iams

t Species exolusae.

- (SALAPA Bnth = TYRIA SALAPA Kltz^ch
L BUXIFOLIUM Fielding cl Gardner = TIEMISTOt LLSIA BUXIFOLIA hi

XII AWTHOPTERUS *Hook*

(DC Prodr VII p 578. — Wlprs Repert VI 415)

II Filamenta dislincU.

- a. Antheiae alternatim inaequilongae

XIII CA1.IOUE.A *Kltzsch*

(Kltzsch Linnæa XXIV 28)

Calyx uiceolatus, limbo 5-fido, lacinnis Janceolatis Corolla lubulosa 5-gona, limbo 5-fido IMOHUO. Stamina decem epigvna. Filamenta distincta bievia ciliata Antherac longissimae biloculares subulatae, mferne puberulje, basi mcunae Jonge tubulosae, supra babin affixae*. infra medium bianstalaie, alteinalim inaequilongae, anstis pendulis pubescentibus Stylus cylindncus corollae longitudine Stigma obtusum. Ovarium carnosum decemloculaie liuctus ignotus — Fiutex Indiae onen* l^lis Caules erced diffusi glabn, ramuli<? squamis subulalis spaisis oinatis, fols late Janceolatis, ulimque acunnridlis sciiatis, flonbus numeiosis in umbellis sessilibus dependentibus unilateiahbus.

- 1 'C PULCIERRIMA Kltzsch I c — *Thibaudia puhhen ima* Wallich mss ex Hooker Bonnicnl Magazmc t 4303 — Wlprs Annal 1 476 no 6 — In India onentali

2. C. ODONTOCERA Kitzsch. J. c. — Glabra: foliis coriaceis oblongis angustioribus. acuminatis, basi attenuatis, serratis. breviter petiolatis; floribus corymbosis axillaribus • stigmate capitato. — *Vaccinium odontocera* R. Wight, *Icones plantarum Ind. or. iv!* t. 1187. — Walpers, *Annales bot. syst. I. p. 477. n. 8** — In India or.

b. Filamenta alternatim inaequilonga.

XIV. SOPHOCLESIA Kitzsch.

(Kitzsch. *Linnaea* XXIV. 29.)

Calyx urceolatus. tubo globoso, limbo ampliato 4—5-dentato. Corolla tubulosa, medio inflato limbo 4—5-dentato erecto, dein recurvo. Stamina 8—10 distincta inaequalia. Antherae biloculares bifidae glabrae, basi obtusae, dorso supra basin affixae, loculis approximatis, apice acutis, foramine oblongo dehiscentibus. Filamenta filiformia anthera subduplo longiora, alternatim inaequilonga. Ovarium sphaerocarpum 4-loculare, loculis multiovulatis. Stylus exsertus filiformis. Stigma parvum capitatum. Bacca exsucca chartacea oblongo-globosa 2—4-locularis polysperma; dissepimentis membranaceis, demum saepe evanescentibus, placentis basilaribus. Semina subrecta scrobiformia. Albumen carnosum. Embryo orthotropus, radícula hilo proxima. — Frutices Columbienses in vetustarum arborum truncis hospitantes, habitu *Sphyrospernia*: ramis gracilibus teretibus; foliis sparsis subdistichis parvis coriaceis; [loribus axillaribus solitariis longe pedicellatis; pedicellis deorsum subincrassatis; calycis tubo villosa.

a. Flores tetrameri.

- ¹ *S. CORDIFOLIA Kitzsch. I. c. — *Sphyrospermum cordifolium* Benth. — *Wiens. Repert.* VI. 414. n. 4. — In sylvis prope pugum Tena, in provincia Dogotensi.

h. Flores pentameri.

- ¹ S. NUMMULARIAEFOLIA Kitzsch I. c. 30. — Ramis tenuibus elongatis ramulis puberulis; foliis distichis rotundato-ovalis obtusis glabris iriplinerviis, margine tenuiter recurvis, breviter petiolatis; pedicellis folio longioribus subglabris. — Folia 8 lin. longis, 5—6 lin. lata. Flores pallidi. — In provincia Merida Columbiae.
- ³ S. SUCSCANDENS Kitzsch. I. c. — Subscandens: ramis elongatis pendulis rufo-fuscescens puberulis; foliis cordato-ovatis, brevissime natis, utrinque globosis coriaceis, margine acutis subrecurvis, quinquenerviis, brevissime petiolatis; pedicellis folio subbrevioribus, sparsim scabris. — Folia 10—15 lin. longa. 9—11 lin. lata. Flores coccinei. — In iocis alpibus Merida Colubiae.
- ⁴ S. OVATA Kitzsch. I. c. — Ramis teretibus elongatis puberulis; foliis distichis brevissime petiolatis ovatis, basi rotundatis, versus apicem attenuatis, obtusis coriaceis, quinquenerviis, margine natis subrecurvis; pedicellis gracilibus folio sublongioribus, sparsim scabris. — Folia 1—17a postea longa. 5—7 lin. lata. Pedicelli 18—20 lin. longi. Calyx 2 lin. longus cum limbo cupulari. Corolla purpurea, 5 lin. longa. — In Paramo de Mucuté.

XV FOL, \BOK\ *kltzstli*

(Kltzsch Linnaea XXLIV. 30)

Calyx semiglobosus, limbo 5-dentato, dentibus post anthesin arcuato connatis. Corolla tubulosa, inferne paulum ventricosa, Junbo 5-lido, laciniis obtusis. Stamina 10 distincta, apice subaequalia. Antherae bilobatae bipartitae lacinae, basi liberae, doiso infra medium alligatae, longe tubulosae, tubulis anlice apiceque foamine loculo dehiscentibus filamenta linearia, alternatim inaequilongae. Clava (hanum semiglobosum glabrum 5-loculare multiovulatum. Stylus bifidus multicus Stigma simplex oblongum. Hacca emidobosa subpentagona, magis luteo-granulata, calicis limbo connata coronata e succa 5-loculans, loculis polyspermis. Semina creberrime immixta angulata subcompressa — Fructus Amentum lamosum. unum ramuliscum teretibus glabris, foliis ovatis acuminatis glabris quintuplinerviis; racemis terminalibus saepe dichotomis, lobis longis pedicellatis, basi bractea magna colorata sulcatis corollis conico-tubulosis bievibus

- 1 *P QUI RLML Kltzsch I c 31 — *Ipiatotrma oilouitissimum* Willd. **Ucib** n 8316 — *Thibaudia* (Jueumi **llumji** Bonjd Knlh ?Soa geneia et specips III p 274 tab 56 — DC Prodr VII 564 no 23 — In folium de pioy Chocoi nsi
- 2 * L CRASSIFOLIA Kltzsch I c - *flubaudm* cjsso/m Bnlh — Wiprs Repert II 73 no 1
- 3 P LVURIBOLIA Kltzsch I c — Ramulus Lintraocentibus lanulis HI SICCO fuscis., foliis ovato-acuminatis angulatis, basi rotundatis racemis* 6-pollinibus, pedicellis j)alentij)sims bractei delixis coccineis — Folia 5—3 poll longa 9—13 lin lan Corolla 4 lin longa — In Guaiimala

XVI PROCJLESI\ *kltzsch.*(Kltzsch Linnaea XXIV. 3^a.)

(Calyx urceolato-campanulatus, limbo 5-dentato. Corolla ventricosa & lobulosa, limbo 5-lido. Stamina 10, libera inaequilonga. Antherae bilobatae bifidae, ad medium dorso affixae, basi liberae filamenta alternatim inaequilonga linearia, antice pubescentia libera. Ovarium bimisphaericum, calicis limbo coronatum, 5-loculare, loculis multiovulatis. Stylus cylindricus subexsertus Stigma capitatum. Bacca conica subexsucca, 5-locularis, loculis polyspermis, placentis centralibus distincte stipitalibus. Semina matura ignota — liutiae*? Vmncani sparsim ramosi: iam teretibus, lamulis elongatis angulatis, foliis majonibus 3-plex — 5-tupli — 7-tuplinerviis coniceis integerrimis; racemis in apice ramulorum avillanibus solitatis sessilibus, folio longioribus, basi bracteis magnis strobiliformibus cistitis, nucleis magnis racemum involucianibus arete imbricatis concavis scanois subpersistentibus.

- 1 "P CORDIFOLIA Kltzsch I c — *Thibaudia cuidifolia* U B Kltzsch — DC Prodr VII 563 n 1b — In Andibus ovo-Guianensiurn
- 2 "P MLLASTOMOIDES KIIZNCI I c — *Thibaudia uulcatomoides* II B Kltzsch — DC I c p 563 n 17 — Cum specie praeced

3. 'P. STROBILIFERA Kllzsch. I.e.— *Thibaudia strobilifera* II. D. Kth. — DC. 1. c. p.563 no. 18. — In frigid is Novo-Granaiensium.
4. 'P. SCABRIUSCULA Kllzsch. I. c. 33. — *Th. scabrinscula* II. B. Kill. — DC. I. c. 564. no. 20. — Paxl. &c Lindl. Flow. gard. I, 75. lig. 53. — In Andibus Quinduensium.
5. 'P. PUBESCENS Kllzsch. I. c. — *Th. pubescent* II. B. Klh. — DC. 1. c. 564. no. 21, — *Th. xeptemnervia* el *Th. cinnamomifolia* Willd. Herb. no. 8226 et nB. 8231. — In Columbia.
6. P. PSEUDO-PUBESF.ENS Kllzsch. I. c. — Ramulis compresso • anjllnlis pubescenlibus: foliis ovalo - cordntis acuminaiis quinluplycryiis, ulrinque glabris, in ncrvis evanescentli -pubcrulis , in pagiuā inferiore sparsim fusco-punctntis; bracteis magnis coloralis puhescenlibus; calycibus subgnbris; corollis glahris. — Folia 6—7 poll, longa, 15 — 18 lin. lala. — *Th. pubescens* Bmli. Plantae Hartw. j.ag. 224. no. 1220. (nee. II. B. Knth.) — In monlibus Pitayb, prov. Popayan.
4. P. COHDATA Kllzsch. I. c. 33. — Rtmis ramulisque subangulalis rufescentibus glabris; foliis cordato-ellipticis, apicc breviter allcnuatis, quinluplinerviis, utrinque glabris; bracteis magnis coloralis glabris; pedicellis tuherculalo -scsibris; calycibus corollisquc hiriis. — Folia V_2 —3 poll, Jonga, 10—15 lin. Jata. — *Cacagnito* Incol. — In locis alpestribus Meridne.
- &. P. BENTHAMIANA Kllzsch. I. c.— Ramulis compressiusculi* glabris; foliis ovatis aculissime acuminaiis qufhtiplirierviis, foasi lale rotundatis, ulrinque glabris, in pngina inferiore glandulis fuscis punctiformibus conspersis; bracieis magnis coloralis, cum pedicellis, calycibus et corollis glabris. — Pedicelli 4 lin. longi. Folia $2\frac{1}{a}$ — 37a poll, longa, 14 — 17 lin. lata. — *Thibaudia acuminata* Bnlh. Plant. Hartw. p. 223. no. 1219. nee Hook, nee DC. — In Quito etiam in valle Chilo et ad Hacienda de Pinastura.
9. *P. ACUMINATA Kllzsch. I. c. 34. — *Thibaudia acuminata* Hook. Icones pi. t. 111. (oec alior.) — *Th. Hookeri* WJprs. Repert. VI. p. 412. no. 9. — In Quito.
10. P. SPLENDENS Kllzsch. I. c. — Ramis teretibus ramulisque compresso-angulatis glabris; foliis ovaiis aculissime acuminatis quinliflinerviis, basi subcordato- rotundatis, utrinque glabris, nitidis; bracteis magnis coloralis, cum pedicellis, calycibus et corollis glabris. — Gemmae florales glabrae, in npice ramulorum nxillares, pollicem longae. Folia 3—5 poll, longa, $1\frac{1}{4}$ — 2 poll. lata. Pelioli 3—4 lin. longi. — In Columbia.
11. T. ALATÁ Kllzsch. I. c. 34.— *Thibaudia alata* DC. 1. c. 562. n. 11. — *Th. caulialata* Ruiz el Pavon, Fl. Per. ined. t. 386. — In Peruviae Andium monlium faucibus locis altis frigidis.
12. * P. BRACTEATA Kllzsch. I. c. — *Th. bracteata* Ruiz et Pavon, Flor. Per. ined. l. 388. — DC. Prodr. 1. c. p. 563 no. 19. (nee Bnlh.) — In Peruviae Andium montibus altis frigidis.
13. "T. CAPITATA Kllzsch. I. c — *Th. capitata* Bnlh. — WJprs. Reperl. VI. 411. no. 1. — In monlihus Yangana.
14. P. WARSZEWICZII Kllzsch. I. c 35. — Ramulis tenuftus compresso-angulalis glabris subflexuosis; foliis ovatis tenuiter ucuminalis, basi rotundatis, quinluplinerviis. utrinque glnbris; racemis capitato - congeslis in -apice ramulorum axillaribus; bracteis magnis coloralis, cum pedicellis. calycibus el corollis glabris. — Folia 1%—2% poll, tonga, 8—14 lin. lata. Petioli 4-5 lin. longi. — In locis alpestribus Guatemalae.
15. 'P. ALNIFOLIA Kllzsch. I. c. — *Thibaudia? alnifolia* DC. I. c. p. 564. no. 26. — Ad Caracas.
16. P. HARTWEGIANA Kllzsch. I. c. — A *Proclesia genuina bracteata* differt: foliis quinluplinerviis nee triplinerviis , calycibus villosis nee glabris. — *Thitaudiabraeleata* Bnth. Plain. Hariweg. p. 143. n. 789. nee Ruiz et Pavon necDunal.— In montibus Loxensibus.

17 P VLRAGUENSIS Klizscli 1 c 35 — d libra nmis nmulisquf* conipieasmseculis subflexuobis folns oblongis acumimtis m — quintuplmerviis Miblus spaisim fu«*copunctfflis iicemis conglomeiaus in lpjec lamuloium ixillaiibus > biauei* extuioubus breuiubus pergamenois, inieijoribus longionbus cocuneis membrinaeri!* caljcibu> pubescentibus corollis subglabns — Join 3—5 poll longa 10—16 lin lata. — In (osia Kicca

c. Antlieræ filamentaque aequilonga.

a Antherae pons dtlnscentes.

XVII SPHYROSPERHOI *Poeppig et Endl.*

(DC Piodr VII 794 — Wlprs Report VI 414 — Klzsfcb Lmnaea XXIV 36)

1 2» RORAIMAE Klzsth 1 c — llamis erectis tcitiibus tuberculoso-cicainsalis pubescnfibus loins orbiculato-cordalis ciasso coincide» ghbns llunbiia peniamcns axillnifus> bims baccis clnriaccis obo\ilir> pubuulis, in pediccllum aticnualis — Folia bicvissime pi Uolaia 5 hn lon^a 4 lm laii Peilitili tilifoniUb polliocm dirni dium longi — In moniibus Roiaimac Guianac anglitac

XVIII SYMPHYSIA *Prsl*

(Epist ad Jacq. 1827 cum icone. — Wlpis Reperl VI 740 — *laushta* Preissler in rioid [U Z] 1828 p 43 noc Schldl — \ndieu.ua Dunal n c ^ent ntc Sprengel — DC Piodi VII 560 — Kltzfech Lmnaea XXIV 36)

1 S MARTINICLNSIS Prsl 1 c — Kltzsch 1 c — Ram is tompie!>siusculis i>uban^rulalis> glabus loin:* bicvibus late ovaiib aculib 9-luplineiviia, *hasi* oibiculalo-atlnualis couaceis, nhiigmc remoit serially supia pallide \indibus, sublu^ in s>icco fu^cescenlibus raccnii^ in apice lumuloiuin conmbosiss, axillanbus, coiollis campanulaio - uitLolaiis, anibeis pon<> dchij>(ntibus biccis ovilo - globo>i& felabns loculis poKsptrmis — Folia 2—2 1/2 poll longa, 14—20 lin laia Coiolla 1 lin longa — *lausrhia hederæfoha* Preissler 1 c p 44. — *Maicgiavia umbellala* Sieber, Herb Marlinc Suppl n 38 — In insula Maitinico

2 S (.1 ADAI OUPIENSIS Klh/sch 1 c 37 — llinis i<rnlihus sulinnulitM glnbns folns « ll*| •• is si pluplanniviiN I uitfQ - iiciniinantiM IIIHI till* niinliH IIKIKKH I uhsuhm ot 10- III ic sciiulis — I olin J—*i l>«1\ loijijn V/_Z/ [toll lull — \ndiiu Luudulupen 60, Dun in DC 1. c p 560 cum sijn omnibus — In moniibus Guadalupao

\IX \CJ1PETES *D. Don.*

(Dunal in DC Prodr VII. 553 g. 1 — Kltzsch Lmnaea XXIV 37)

(Charact. emend) Caly\ adhaeiens campanulatu's, limbo 5-parlito, partiombus acutis membranaceis. (orolla tubulosa incurva, extus hirta, lobis angustis suberectis Stamina 10, versus apicem subincurva, filamenta brevia distmcta, antherae biloculares hirsutae, in tubulos duos codlitos furcatos" productae, anlice ad apicem delnscentes Stylus adscendens. Stigma depresso-cdpitatum 5-lobum. Dacca carnosa, limbo

calycino rriscoque cuptiliformi coronata, 5-locularis polysperma. Semina angulosa, placentis centralibus affixa. — Frulices Indiae orientalis erecti: foliis allernis coriaceis magnis scmpervirentibus; racemis in apice ramulorum axillaribus; floribus magnis hirsutis aut pubescentibus.

1. "A. VARIEGATA D. Don. — Dunal in DC. Prodr. VII. 554. n. 1. — Kltzsch. 1. c. 38. — In montibus Pundua Ind. orient.
2. *A. SETIGERA D. Don. — Dunal 1. c. p. 554. n. 2. — Kltzsch.: 1. c. — In montibus Pundua Ind. orient.
3. *A. LORANTHIFLORA D. Don. — Dunal 1. c. p. 554. no. 3. — Kltzsch. 1. c. — In India orientali.
4. 'A. VERTICILLATA D. Don. — Dunal. 1. c. p. 554. n. 4. — Kltzsch. 1. c. — *Vaccinium l'orticillalMm* R. Wight, Icon, plantarum Ind. or. t. 1181. — Wlprs. Annal. I. 476. no. 2. — In India or.
5. 'A. VACCINACEA Dunal. 1. c. p. 554. n. 5. — Kltzsch. 1. c. — In India or.
6. *A. WALLICINANA KHsch. 1. c. — *Vaccinium Wallichianum* R. Wight, Icones pi. Ind. or. t. 1180. — Wlprs, Annal. I. p. 476. n. 1. — In India or.
7. 'A. IIIRSUTA Kltzsch. 1. c. — *Vaccinium hirsutum* R. Wight 1. c. t. 1182. — Wlprs. 1. c. p. 476. n. 3. — In India or.

XX. THIBAFDIA Humb. Bonpl. Knth.

(DC. Prodr. VII. 560. — Wlprs. Repert. II! 723. VI. 411, Annal. I. 476. [ex p.] — Kltzsch. Linnaea XXIV. 39.)

.Calycis tubus campanulatas, limbo quinquefido, laciniis ovatis sub-acutis. Corolla tybulosa, inferne inflata glabra, limbo quinquefido, laciniis ovatis obtusis. Stamina 10, aequalia distincta. Antherae biloculares, loculis muticis, longe tubuk>sis, tubulis antice apiceque foramine elongato dehiscentibus. Filamenla brevia distincta. Ovarium inferum globoso-campanulatum glabrum 5-loculare, placentis centralibus stipitatis multiovulatis. Stylus filiformis rectus glaber, corollam paulo superans. stigma subcapitatum. Fructus ignotus. — Frulices Americani: ramis ramnlisqne Icreliusculis cinerascenliljus glabris; foinis sparsis, hnwissime ju!(jol.i(is, infugcriinjis membranaceo-coriaceis reticuFato-venosis; racemis nxillurihus soJitariis, basi braceis minimis imbricatis in-structis.

1. 'Til. FLORIBUNDA Humb. Bonpl. Kth. Nova genera et species III. p. 210. t. 254. -r- DC. 1. c. p. 561. n. 3. — In montanis Novo-Granatensibus juxta Santa F4 de Bogota.
2. 'TH. PICHINCHENSIS Bnlh. — Wlprs. Repert. VI. 412. no. 5. a Annul. I. 476. no. 5. — In declivitate occidentali moniis Pichfncha.

§species non satis notae.

- ³- TH. MICROPHYLLA Lindl. Gard. Chron. 1848. 23. — Van Houtte, Flore des serres IV. tab. 332. — Kltzsch. I. c. 68. — Sempervirens: ramfs glabris sulcalis; foliis rotundafo-oblongis obtusis vel retusis coriaceis aveniis fere sessilibus, infra pilis paucis par vis sparsis; pedunculis solitariis axillaribus unifloris erectis foliis multo longioribus; corolla conica, ore quinquefido minimo. — Habitat in Peruvia, elevatione 12,000 pedura.

4. TIL? ACUMINATA Dunal in DC. Prodr. 1. c. p. 565. n. 27.
5. TH.? CERANDER Dunal in DC. Prodr. 1. c. p. 565. n. 28.
6. TIL CREMULATA Remy. — Wlprs. Annal. I. 476. no. 3.
7. TH. DKPENDKNS Bntli. — Wlprs. Repert. VI. 411. no. 6.
8. TIL DIPIIYLLA Dunal in DC. Prodr. 1. c. p. 562. ii. no. 12.
9. TIL EMARGINATA Ruiz et Pav. — DC. Prodr. I. c. p. 561. no. 1.
10. TIL IIIRTIFLORA Bnli. — Wlprs. 1. c. 412. no. 6.
11. TIL JUSSIAEI Dunal in DC. Prodr. 1. c. p. 565. no. 29.
12. TIL LAURIFOLIA Marl, et Galeotli. — Wlprs. 1. c. II. 723. no. 3.
13. TH. MACROCALYX Remy. — Wlprs. Annal. I. 476. no. 4.
14. TIL MORICANDI Dunal in DC. 1. c. p. 563. no. 14.
15. TH. OBLONGIFOLIA Remy. — Wlprs. 1. c. no. 2.
16. TIL PHYLLIREAEFOLIA Dunal in DC. 1. c. p. 564. no. 25.
17. TIL ROSEA Jngh. — Wlprs. 1. c. no. 1.
18. TIL SERRATA Dunal in DC. Prodr. 1. c. p. 563. no. 15.

Species exolusae.

- TH. ACUMINATA Rnth. = PROCLESIA BENTHAMIANA.
 TIL ACUMINATA Hooker = PROCLESIA ACUMINATA,
 TIL ALATA Dun.il = PROCLESIA ALATA.
 TIL ALNIFOLIA Dunal = PROCLESIA ALNIFOLIA.
 TIL ANGUSTIFOLIA Hooker = SCHEDIUSIA ANGUSTIFOLIA.
 TH. ARDISIAEFOLIA II. B. K. = SCHEDIUSIA ARDISIAEFOLIA.
 TH. BICOLOR Ruiz et Pavon = PSAMMISIA BICOLOR.
 TIL fillACTEATA Bnth. = PROCLESIA IIARTVVEGIANA.
 TIL BRACTEATA Ruiz et Pavon = PROCLESIA BRACTEATA.
 TH. BREVIIFLORA Bnlh. = PSAMMISIA BREVIIFLORA.
 TH. CAPITATA Bnlh. = PROCLESIA CAPITATA.
 TIL CORDIFOLIA II. B. K. = PROCLESIA CORDIFOLIA.
 TIL CRASSIFOLIA Bnlh. = POLYBOEA CRASSIFOLIA.
 TIL CYATHIFERA Bnlh. = PSAMMISIA CYATHIFERA.
 TIL ELLIPTICA Ruiz et Pav. = SIPHONANDKA ELLIPTICA.
 TIL FALCATA II. B. K. = PSAMMISIA FALCATA.
 TIL HOOKKRI Walpers = PROCLESIA ACUMINATA.
 TIL LONGIFOLIA II. B. K. = PSAMMISIA LONGIFOLIA.
 TH. MACROPHYLLA II. B. K. = PSAMMISIA MACROPHYLLA.
 TH. MELASTOMOIDES H. B. K. = PROCLESIA MELASTOMOIDES.
 TH. MELLIFLORA Ruiz et Pav. = SCHEDIUSIA MELLIFLORA.
 TH. MEXICANA Mart. Galcotti = PROCLESIA MEXICANA.
 TH. NITIDA II. B. K. = PSAMMISIA NITIDA.
 TIL PENDULIFLORA Dunal = PSAMMISIA PENDULIFLORA.
 TH. PUBESCENS II. B. K. = PROCLESIA PUBESCENS.
 TIL PULCHERRIMA Wallich = CALIGULA PULCHERRIMA.
 TH. QUEREBIE II. B. K. = POLYBOEA QUEREBIE.
 TH. RUPESTRIS H. B. K. = PSAMMISIA RUPESTRIS.
 TH. SCABRIUSCULA II. B. K. = PROCLESIA SCABRIUSCULA.
 TH. SPECIOSA Bnlh. = SEMIRAMISIA SPECIOSA.
 TH. STROBILIFERA II. B. K. = PROCLESIA STROBILIFERA.

XXI. THEMEISTOCIESIA Kltzsch.

(Kltzsch. Linnaea XXIV. 41.)

Calyx semiglobosus, limbo cwpuliformi 5-dentato. Corolla tubulosa, basi inflata sub-5-angularis, limbo 5-fido. Stamina decem distincta

nequalia Antherae biloculares aequilongae lineares, dorso infra medium affixae infere longe productae bifidae, apice anticeque foammibus ellipticis dehiscentes Filamenta linearia Jibera glabra aut piloso-hirta. Gumen 5-loculare, loculis multiovulatis Stylus filiformis strictus inclusus Stigma capitatum Dacca conacea, calycis limbo connata, lobata 5-angulata 5-loculans, loculis polyspermis — Frutices Americani scandentes lamosi ramis teretibus dense foliosis, foliis parvis erectis tripartitis quintuplinerviis, floribus axillaribus filiformi-pedicellatis solitariis aut racemosis glabris aut villosis, corollis conicis coccineis.

- 1 Tit BUXIFOLIA Klotzsch 1 c 42 — Ramis robustis foliosis, ramulis confertis strictis foliis brevibus oblongo-ellipticis obtusis glabris pedicellis axillaribus solitariis glabris, corollae limbo connate, — *Ceralostema buxifolium* Field et Gardn Sert plant t 7 — Wlprs Report VI 408 no 1 — In monte de San José Peruviae
- 2 Tit PENDULA Klotzsch 1 c — Pilosa ramulis gracilibus pendulis foliis ovatis, longissime acumatis, basi subcordatis, evanescentibus pilosis, subtus glaucescentibus, racemosis axillaribus, dense pilosis — *Epxscopia pendula* Montz in lit — In locis alpestribus Colomae Tovar in Columbia

XXII. PSAJJEKIISIA Klotzsch.

(Klotzsch Linnaea XXIV 42)

Calyx urceolato-campanulatus, limbo cupulaeformi, breviter et late 5-dentato Corolla tubulosa, basi truncata, limbo 5-fido Stamina 10, distincta inclusa aequilonga Antherae biloculares oblongo-lineares, apice breviter bifidae, dorso supra medium affixae, basi liberae, scabrae, alternatim latiores, subinde ad apicem connectivi denatis 2 dividentibus auctae, angustiores semper edentulae, tubulis laevibus, anthera ipsa brevioribus, apice foramine dehiscentibus. Filamenta lata bicarina Ovarium 5-loculare, loculis multiovulatis Stylus filiformis strictus, plerumque exsertus Stigma obtusum Bacca conacea subsucca 5-loculans, calycis limbo cupulaeformi 5-dentato coronata, loculis polyspermis, placenta in axiali vultu apicem sitis pendulis Semina matura ignota — Frutices Americani ramosi foliis conicis 3—5—7-nerviis magnis, lacinis axillaribus robustis corymbosis solitariis, tegmentis destitutis, pedicellis robustis, sursum inclatis, apice articulatis, bractea parva squamaeformi suffulta, calycis limbo cupulaeformi conaceo

a Folia sub-5-nerviis

- 1 * P CYATHIFERA Klotzsch I c 43 - *Juibaudia cyathifera* Benth. - Wlprs. Report VI 411 no 4. - In montibus prope Tena. prov Bogota
- ^ P LONGIFOLIA Klotzsch I c - *Thibaudia longifolia* H B K - DC Prodr VII 581 no 4 — In Andibus Qumduensium
- 3 P GUIANENSIS Klotzsch 1 c - Ramis ramulisque castaneis teretibus nudis foliis ellipticis magnis conicis breviter pedicellatis glabris. 5-nerviis, utrinque breviter acuis racemosis pollicaribus cum calycibus et corollis glabris - Folia 0-7 poll longa. 2-2% poll lata Pedicelli inferiores pollicares superiores 5-7 lin longi Corollae 8 lin longae - In monte Roraima Guianae angl

- 4 *P PEINDULIFLORA Kltzsch 1 c — *Thibaudia pindulfloia* DL 1 c p 562 no 7 — *Carohto* Incol — In Iocis alpini* Mcmlae Columbiae
- 5 P RAMIFLORA Kltzsch 1 c 44 — Ramulis leiilibus ghabns albicanlibus folns oblongo-ovans acuminatis tenuibus 5-vevius basi subattenuatus breviter potiolatis nectis 12—15-floris rhachi brevi flonibusque ghabns — Folia 4¹/₂—6 poll longi 2 — 2% poll lata Rhachis 6 lin longi Pedicelli 9—12 lin longi Corollae 14 lin longae — In Iocis alpestribus Veraguae Americae centralis
- 6 *P BREVIFLORA Kltzsch 1 c — *Thibaudia brevis* Benth — Wipr. Repeit VI 412 no 7 — In declivitate occidentali Andium Popayanensium
- 7 *P BICOLOR Kltzsch 1 c — *Thibaudia bicolor* Run et Pav — DC Prodr, 1 c p. 561 no 5 — In Andium montibus fribidibus mtr Pillao cl Muna Peruviae
8. *P. FALCATA Kltzsch 1 c — *Thibaudia falcata* H B Kth — DC 1 c 562. no 6 — In frigidis juxta urbem Almaguer Novo-Granatensium

b *Folia septunervia*

- 9 P TOARENSIS Kltzsch 1 c — Ramis dichotomis teretibus paucifloris fuscescentibus glabris folns coriaceis 6—7-nerviis oblongis utrinque alleuatis nervis supra unguis impressis, subtus elevatis raris corimbosis axillaribus solitariis lobatis 12 — 16 - floris, glabris corollis coccineis, pedicellis niveis — Folia 5 — 6 poll longa, 1¹/₂ — 2¹/₂ poll lata Rhachis crassa semipollicans Pedicelli 9 — 12 lin longi Corolla 6 lin longa — In Iocis subimpeatis ad rivulos Coloniae Iovar in Columbia
- 10 *P MAGROPHYLLA Kltzsch 1 c 45 — *Thibaudia maciophylla* H B Kth — DC 1 c 562 no 8 — In Andibus Popayanensium

c. *Folia penninervia*

- 11 P NITIDA Kltzsch 1 c — Polns penninervis nee quinquepluribus biactis squamiformibus paucis, nee magis — *Thibaudia nitida* H. B. Kth — DC 1 c 562 no 10 — In declivitate orientali Andium Qumduensium
- 12 *P RUPESTRIS Kltzsch — *Thibaudia rupestris* U U Kth — DC 1 c. no. 9 — In Paramo de Saraguro prope Loxa et Alto de Pulla Nova Granatensium.
13. P ALPICOLA Kltzsch 1 c — Ramulis teretibus dimidiatis, lamulis virescentibus compresso-angulatis glabris folns paucis penninervis coriaceis glabris oblongis, utrinque acutis, nervis subtus prominentibus, ramulis robustis bipollicibus corollis bivivis coccineis — Folia 2—3 poll longa. 6—10 lin lata Pedicelli semipollicares. Corollae 8 lin longae — In frigidis montium Sitira ad Columbiae
- 14 P FORMOSA Kltzsch 1 c 46 — Ramulis teretibus longitudinaliter sparsim sulcatis, glabris, in sicco fusco-atris, foliis ovatis breviter acutis, basi subattenuatis, coriaceis, glabris, supra nilidis, racemis compositis breviter simplicibus axillaribus solitariis corollis brevissimis — Folia 3—5 poll longa, 1¹/₂—2¹/₂ poll lata Rhachis 3—4 lin longi Pedicelli 6 — 9 lin longi Corollae 4—5 lin longae — *Thibaudia formosa* Kl in Rich Schomburgk. Veisuch emr Fauna und Flora von Britisch-Guiana p 1088 (absq dngn) — In declivitate montium Roraimae in Guiana
- 15 *P. HOOKERIANA Kltzsch 1 c — *Thibaudia Sitchinchensis* var *p. glabra* Hooker Botanical Mag t 4344 — Wipr. Annal I 476 no 5 — In montibus elevatis. Columbiae
- 16 P. GLABRA Kltzsch. 1 c. - Ramulis glabris, teretibus vix dimidiatis. folns parvis oblongis, utrinque attenuato-acutis, opacis, penninerviis lacunatis compositis bivivis pedicellis enervis, corollis pollicaribus angustis — Petioli 4 — 5 lin longi. Folia

- 2 — 3 poll. longT 8—12 lin lata Rhachis 4 — 5 ha lotfga Pedicelli 8 — JO lin longi — In alpbis Aeraguae Amtncae centralis
- 1? P COST VRICEINSIS Kltzsch 1 c 47 — Rdiuulis glabns lerotibus fusus folns par-
\is u\ ms utunque rolun lais sublus. opacis penninervu* Iactinia conmbosis bro-
Mbus pedicelliM sublorlis corollis lubuloso-comcis — Folia 1 1/2—2 poll longa, 7—
15 lm hta Khachis semipollicans Corolh 8 Jin longa — In Amcncae centralis
montibus

XXM PBHTTAPTBRÿGIIJIFI *Kltzsch*

(Kltzsch Linnaea XXIV 4? — *Vaccm* species R Wight)

Calyx adhaerens, tubo 5-aIato, limbo 5-paitito, partitionibus ovatis, blanduloso-ciliatis Cioilla tubulosa slncta 5-fida, lobis anguslis recums Stamina 10 distincta, filamenla pubescptia, antherae bilocula-
res muticae, in lubulos duos coahos furcalos productae, antice ad api-
cem foraminibus elongatis dehiscentes Stigma capitatum Bacca e\-
5>ucca subglobosa quinquealata membranacea 5-loculans, limbo calycmo
djscoque pul^jnato coionata Semma numerosissima, placentis^entrali-
bus affixa obo^ata — Frutex Indiae onentahs procumbent rarois te-
ietibus fusco-hirtis, folus paivis coiuceis sempervirentibus, margine
recur\is obsolete denticulatib, flonbus axilJanbus, solitams aut bims,
longe pedicellatis, corollis 15 Jmeas longis tubulosis

- ¹ P SLRPCINS Kltzsch 1 c —) atcnnum seipensR. Wigbl — Wlpis Ann bot syst I p
47? no 4 — In syhis Pbullong Indiae or

XXIV a% YMJSSACI% *H B Knth*

(Dunal in DC Piodr 1 c p 55fa — Wlprs Repert II 723 VI 410)

a *Jolia sempcivirentia*

- ¹ *k CORDIFOLIA Mart et Galeotu — Wlprs 1 c II 723 no 1
- * G RIO!DA Casaretto — Wlprs 1 c VI 410 no 1
- ³ ' G BIUCLATA Gardner — Wlprs 1 c no i
- ⁴ ' G MILOSA Gudn — Wlprs 1 c no 3
- ^D *G OLTOSPLRMA Gaidn — VMpis 1 c no 4
- ^b ' G PARVIJFOLIA Gardn — Wlprs 1 c no 5
- ⁷ *G A^GU^ATA Gardn — Wlprs 1 c no b
- ^a G FAS(It ULATA Gardn — Wlprs I c no 7
- ⁹ G BRACHYCFRA A Gray Chlons Roreoli-Americana p 54 — Glabernma rarais an-
ffuhti* loins ovilibus cienito serrulalis nceinis subsessilibus glomeratis pedicejlis
h'hiacteais hievissimis corolla (rubro tincia) brevier campanulato-cylindrdcea,₂ an.
l'hens m lubulos vix produclis filamento cilnto brevionbus — *Vaccmum buvijotmm*
Salisb Pnrad Lond t 4 — Uotanic Migaz t 928 — Bot Cabinet t 648 — Dunal
»n DC Piodi \II p 569 no 28 — \accinwm biachyceiurn Mchx Fi Bor-Amer
I p 534 — In Ameuca boreali Warm Springs

b *Folia decidua*

- ¹⁰ 'd FRONDOBa A Gia) 1 c 50 — Torr Flor of New Yoik I 449 — *Vaccmum*
frondosum Willd — Dunal in DL 1 c p 566 no Z, — *Decamei mm fi ondosum* Nult.
transact of the Amenc phil soc (New ber) VIII 260

- 11 *G RESINOSA A Gray Chlons Doroli Americana p 50 — Ton Flor oftawYoik I 449 f— Kltzscli 1 c 49 — *Vauinium dtcamtrocaijton* Dunal et *I atcmium reunosum* \it in Df 1 c p 56b no t et no 3 — *Dtcameium leswosum* Nutt 1 c
12. *G DUMOSA A Gray 1 c 50 — Kllzsch 1 c 49 — *1 actmium dumosum* Ait — DC 1 c p 566 no 4 — *lhcamcnium dumosum* Null 1 c
- 13 G MRTTLA Ton flL Gi mss ox Torr Fl of Now lork I 448 t 67 — Kltrsth 1 c 49 (Qui autem Innc specie m non comlidit) — *Dcramruum hutellum* Null I c — *VtiLCinuun hutillum* Ait - DC I c p 566 no 5
- 14 G URSIN V Ton ft Gny Chlous Boicili-Amencana p 49 t 10 — Kllzsth I c — Ramis divincUis juiioribus firru^inco pilose folns numbnnaceis deuduis ov ilo-oblongis aculis aut acuininitib mucionulau» vtudibus puheiulis subtus minute resi noso -atomifcifs lacemo nut tne 5—9 fiore peilictllis lliliformibus bnclcas caducis (inleriores folnceat>) excedentibu* corolh (vindi - rubella) globoso -campinulaia antheiis veiticevix pioductis flamenlo ciliato brevioubus fructu mgro — *Vaccmium uisinum* M A Curtis in Sill Joum 44 p 82 — *Bern bcriy* aut *Bear Hucklebciry* Incol — In sylvis moniams Caiolinat superiorly

t Species exolusa.

G SERRATA Lindl DC. = EPIGYMUM SERRATUM Kl

\XV. EPIC^IIVUIWI KUzsch.

(KK/sch Lmnaei XXIV 49 — *Agapetis* species § 2 corollis ovotis Dunal in DC Prodr VII p 554 ft 555 — *I arcmm* species R Wght)

Calyx adnatus, tubo semigloboso laevi, limbo libeio 5-parlito. Corolla ovata campanulas aut urccoldta. Stamina 10 distincta, filaiuenta subulatd, anlheiac bilocularcs mulicae aut anstatae, in tubulos duos discretos productae, anticc ad apicem foiaminibus ovahbus dehiscentes. Ovanum infeium 5-locuhie multiOMJlatum, disco 5-gibbo limboque calcmo coronatum liacca pulposi subploboso-obovata — Frulices Indiae ouenlahs lainosi ianus teitlibus, folus pusistenlibus, flonbus in apice ramuloiium racemosis, subinde axillanbus lacemosis aut solitams.

I loies in apice ramulorum racemosi

OC *Anlheiac mulicae*

- 1 Y SLRRATUM Kltzsch 1 c 50 — *Vaccmium seiratum* R Wght Icon plant Ind or IV t 1184 — Wlprs Ann bot I p 477 no 5 — *Gaylussacia serrata* Lindl — Dunal in DC Piodi VII p 558 no 19 — In India oi
- 2 *E VENOSUM Kltzsch 1 c — *Jaccmium venosum* R Wght I c t 1185 — Wlprs I*c p 477 no 6 — In India or
- 3 *h MALACCNSF Kltzsch 1 c — *atcinunn Mulaccnie* R Wght 1 c t 1186 — Wlprs 1 c p 477 no 6 — In Indn or

P *Anthcrae auslatae*

- 4 *E LESFHI NAULTII KUzsch 1 c — *Vaccmium Leichtnaulln* R Wght I c t 1188 — Wlpris 1 c p 477 no 9 — Wght Spicil ISuIgh II t U8 — *Ajapetes symplocifol** et *\yapehs aiboica* Dunal in DC Piodr. VII p 555 no 8 et no 9 — In India or

- 5 *C NEILGIERRHENSE Klusch 1. c. — *Vaccwm Nulghmeme* R Wglu. I. c. t. H89. WIpr* 1 c p 477 no 10 — WgM Spicil Neilgli If. I. 129 — In India or
- b 'E AFFINE Klzsch 1 c — *Vaccmm affine* R Wght I c. t. 1190. — WIprs 1 c. p 477 no 11 — In Ind or.
- 7 'E DONIANUM Kltzsch 1 c. 51. — *Vaccmm Domannm* R Wght. 1 c t 1191. — WIprs] c p 478 no 12 — In India oi.
- 8 *E GRIFFITHIANUM Klzsch 1. c. — *Vaccmm Gnffithianum* R Wght 1 c. t 1191 — WIprs. 1. c p 478 no 13. — In India or.

* * Flores axillares racernosi.

(Anlherae austatae.)

- 9 *E. DUNALIANUM Klzsch. 1 c. - *Vaccmm Dun ah an urn* R Wght. 1. c. t. 1194. - WIprs. I. c. p. 478. no 15 — In India or.
- 10 E ROTUNDIFOLIUM WIprs. mss — *Aiboreum glabrum* v. ramulis noiellis puberulis, folns orbicularibus connceis integus v. crenulato-serrulaus glabris. racemis .izil-lanbus (iciminalibusque) folia superantibus, flonbus urceolatis qumquelobis; flamenlis filjforiTiibus parvis pilosis. anlherarum sens minutis v. deflcienubus — *Vacctnium (Agapetes) rotundifolium* Wght Illusir of Ind. hot II. 119. t. 139 — Habitat in India onentali (Kclso-Kottage)

* * * FJores axillares solitarii.

(Anlherae anstatae.)

- U. *E. OBOVATUM Kltzsch. 1. c — *Vaccimum obovalum* R. Wght 1. c. t. 1193. — WIprs. 1. c. p. 478. no. 14. — In India or

-j- *Species non satis notae*

- 12 *E ACUMINATUM Kuzsch. 1 c — *Agapetesacummata* D. Don — Dunal in DC Prodr. V. M. 554 no 6 — In India or.
13. 'E SPRENGELII Klzsch 1 c — *Agapetes Spiengeln* Don — Dunal in DC. 1. c. 455. 'o 7 — In India or.
- 14 *E EI UPTICUM Klzsch 1 c. 52 — *Agapetes elUplia* George Don. — DC. Prodr. VII. 555 no. 10. — In montibus Javae.
- 15 *E FLORIBUNDUM Klzsch. I. c. — *Agapetes floubunda* G. Don. — DC. I. c. p. 555. no 11. — In Java
- 16 'E LAURIFOMUM Khzsch. 1. c - *Agapeles launfoha* G. Don. - DC. 1. c. p 555. no 12 — in Java.
- 17 *E VARINGIAEFOLIUM Klzsch I. c - *Agapetes vanngiaefoha* G. DQn. - DC. 1. c. P 555 no J3 — In Java
18. 'E LUCIDUM Klzsch. 1. c. - *Agapeles lucida* G Don. - DC. 1. c. p. 555. no. 14. - In Java.
19. 'E CORIACEUM Klzsch. 1 c. - *Agapetes conacea* G. Don. - DC. 1. c. p. 555. no. 15. ~ In Jnva.
- 20 *E. CUNEIFOLIUM Klzsch. 1 c. - *Agapetes cuncifolia* G. Don. - DC. 1. c. p. 555. no 16. - In Java

- 21 'E MYRTOIDEUM Kltzsch 1 c — *AgayeUf myitotdea* G Don — DP 1 i p 555 no 17 — In Java
- 22 L A(OSTA Klzsch I c 53 — *Xqapttb ? Acosla* Duml in J< 1 c > 556 no 19 — In sylvib plains Cochmchinac

xxvi VACCINIUM L

(Duml in DC Piodr VII 565 — Wl|rs Repcil II 723 VI 413 Annal I 476 — Kltzsch Linnaca XXIV 53 — *\ihsladae* Tournef fnslit p 607 t 377 — *laccmn* subgeneia *\ilis* *Idea* *Datodendion* *Myilillus* el *Lyanococcus* Asi Giay (hloris Boreali Amenc p 53)

Cilyx o^arlo adnalus, limbo libeio 4—5-partito, larius subintegro, pailiombus denhfoimibus Corolla campanulata aut uiceolata, limbo 4—5-tido Stamirn libera corolhe lobis numero duph, parhm ima basi coiollac pailim limbo calycis inserla Arillieiae biloculares bilubulosae, doiso bianslalic jut lnuticdc, antico id apicem tanlum dchiscentes Stylus eicclus slriclus Sli^ma liuncihim dermen infpium, disco cpi ^vno piano aul con\€o ILM limboqic calycino coionilum 4—5-ltfcu Jaic loculis iiiillioviihlj^ ikicci pulposa ml cxsucca cil>us limbo \L slild sub^lobosd 4—5-Joculdns, loculis oligo- aut polyspermis Somim pai\ a suban_oulata laevia fu^ca aut (la\ida — Irutices aut suffrutices Folia spaisa, caduca aul persistenln Hoies a\illaies solitarn gemm_u lerm iasciculali aut racemosi CoioJlae albidae aut coccineae

§ I *Batodendron* Nutt

(Transact of the Amenc philos soc [New Scr] VIII 261 — A Gny Chlous Boreali-Amenc I 53 ndn —Kltzsch I c 55)

Ovanum pseudo 10 loculaie Biccae subinsipidap loculis aboilu oligospermis Corolla patenti - cimpinulatn 5-lobi Anlheiic an^latie, inshs suisum cunahs ^lhment^ pilox>a Mores ncemosi foliosi nut aphylli pedicellis fihformibus subebiacleatib

a *Folia pasistentia* *Stamina mclusa*

- 1 V ARUOHOCUM Michx — Dunal in DC Prodr 1 c p 567 no 6 — 1 *difjiMim* Alton — Dunal in Dt. Piodi 1 c p o67 no 8 — *Dal demli m aiboi cum* Null Imisict of Hie Amenc philos soc (New hei) VIII 261 — In \meuca boieili
- 2 *V SCHLCCHTENDALII G Don — Duml in DC Prodr I c p 569 no 27 — *Melagoma*⁹ *Schlechlendaln* Null 1 c 266 — In Mexico
- 3 V LEUCANTHUM Schldl in Linn VIII p 524 — Dunal I c p 568 no 20 - In Mexico
- 4 'V ANGUSTIFOLIUM Bnlh — Wlprs Repert II p 724 no 4 — In Mexico

b *Folia decidua* *Stamina evserta*

- 5 'V KfTNTHIANUM Klzsch 1 c 56 — 1 *stammeum* var p Kunlh in Humb el Bonpl nov gen et spec III^ p 209 I 253 — I *elevatum* vu P Dunal 1 c p 568 no 12 — *Picrococci elevatus* Nutt Transact of the Amenc phil soc (New Sei) VIII 262 (ex p) — In Mexico

- 6 *V STAMINEUM L. — Dunal J. c p. 567. no. 12. — *V elevation* Solander var. a. Dunal I c p. 567. no. 13 — *PILIOIULCUS stannus* Null. Transact, of the Americ. plul. soc. (New Sei) VIII 262 — In America boreali
- 7 A FLORIDAMIM Schiweiulz mjs. — Fols ovatis v. cordato - ovatis aculis, demum glabris. pedunculis axillaribus unilobis subbracteolatis, corolla calycem quinquefidum pium trinerviis Mitrans, summum aassis dorsibus paucis mutis. Folia 2-pinnata, ulim pollicem longa. Dacca maxima, fere seminipollicaris oligosperma, setosis (omnibus) cernuosis. — *Piciococcus riouadanu** Null. Transact, of the Americ. plulo*. soc (New ber.) VIII. 262. — Habitat in Florida.

§. II. *Cyanococcus* Asa Gray, Chlons Boreal. Amer. I. 53.

Ovanum plus minusve pseudo-10-loculare. Jacca dulces polyspermae. Corolla maeolala. Antherae eantherae. Filamentum pilosum. FLORES fasciculati aut brevissime racemosi.

a. *Folia perispermata.*

- 8 *V MYRSINITES Michx. — Dunal I. c p. 570 no. 37. — *J. nitidum* Andr. — Dunal I. c p. 569 no. 29. — In America boreali
9. *V ERIODADUM Dunal I. c. p. 571. no. 41. — In Mexico.

b. *Folia dactylina. Boreali-americana.*

- 10 *V. CORYMBOSUM L — *unymbosum* var. a. Dunal I. c p. 571 no. 41
11. *V. AMOENUM AH. — *unymbosum* var. (S. Dunal I c. p. 571. no. 44.
12. *V. VIRGATUM Ait. — Dunal I c. p. 571 no. 45.
13. *V. PALLIDUM Ait. — Dunal I u y 567 no. 7.
- H. *V. FUSCUM Ait. - Dunal I. c. p. 572. no. 46.
15. *V. ALBIFLORUM Uokci. — Dunal I. c p. 572. no. 47.
16. -V. PENNSYLVANICUM Lam. — Dunal I. t. p. 572. no. 48
- 17 *V. GADKENSE Richdson. — Dunal I. c. p. 572. no. 49.
- IS. *V. MARIANUM Wats. — Dunal I. c p. 572. no. 50.
- 19 *V. GRANDIFLORUM Wats. — Dunal I. c. p. 572. no. 51.
- 20 *V. ELONGATUM Wats. - Dunal I. c. p. 572. no. 52.
- *1. *V. MULTIFLORUM Wds — Dunal I. c. p. 572 no. 53.
- # *V. LIGUSTRINUM Michx. — Dunal I. c. p. 572. no. 55.
- ^3 *V. GALEANS Michx. — Dunal I. c p. 573. no. 56.
- *1. *V. TELLURICUM Ait. - Dunal I. c. p. 573. no. 57.
- ** *V. CONSTANS Asa Gray. — Wipis. Reperl. bot. syst. VI. p. 414. no. 8.

§. III. *Disterigma* Kltzsch. I. c. 57.

Ovanum 4-loculare, sepalis spurnis petalibus nullis. Corolla tubulosa-couica, hinc 4-loba. Calyx calaber, basi bibracteatus, lobis 4-dentatis. Hideteo persistentes. Antherae muticae. Filamenta hirta. Ploca, aullares, solitane yemini aut Icini. rnhccs aut arbores Austro-Americani: loins persistentibus.

a. *Fiutites icpenies.*

- *V. EMPLIUFOLIUM L li. Knih. — Dunal I c. p. 576. no/83. — *Melaegonia empetricha* i>utl. 'liansatt. uf the Aiuoic. plil. s>ot. (i>ow Sei.) VIII. 2b3

- 27 v PF^TNAHOIDRS II B Knili — Dunal 1 t p 076 no 81 — *MUagoma penaeoulcs*
Null 1 c 265 t
- 28 "\ EPICRIDIFOLILM Bnih — Wlms Hcpeit VI p 413 no 3 — *Mela jama n wshuta*
Null 1 c 2<5')
- b *liuticc aut mhoies eiecli*
- 29 V HUMBOI DTH Klusch 1 c 57 — Rimis sinctis cmeroo fu[^]ci* nnmlisque cica-
umtis lasiigiuis junionbus stngoso lurlis loins oviti& bicvilei pciiohlis inlegern
mis CIT»»IS imigme lecuivii ghnn* supn pnllide vindibu* sublus fuscescentibus
lloubus solitims genuus im icims ghbn& btddeis opposms obovatis, eimrginatis
caljcis tubo brevionbus Innbi calycis 4 fldi lacinus hnceohtis stuclis corolh tnpl0
bfevioubus torollis in abbn<>tio conicis pei tnthesin lubulosis limbo 4 fldo lellexo
stylo excscilo. — *Vacunium mylifolium* lib Willd no 7350 — Foln 4 lm longa,
2 lin lit a Coiollae 3 lm longic — In Amenca tustrah
- 30 V URNIFI ORUM Dunal 1 t p 575 no 78 — *Melagoma icnufl0)a* Nutt 1 c 265
- 31 V AI ATERNOIDES II D Kmh — Dunal 1 c p 575 no 80 — *Melagoma alaternoidcs*
Null 1 c 265
- 32 'V ACUMINATUM II B Knth — Dunal 1 c p 576 no 82 — *Melagoma⁹ acununata*
JNutt 1 c 266
- 33 V DENDROPHIUM Bnlb - Wlpis Repert VI p 414 no 7

§ IV *Euvaccinium* A day, Chlons Bor Amer I 53

Ovarmm 5-, raiius 4-loculaie, septis spin us panetalibus nullis Co-
rolla subglobosi aut uiceolata, 5—4-dentata Anlheiae anstalaie, anstis
suisum cur\atis. i'llamenla glabia fciutices Euiopaei, boreah - alpini
aut Mexicani folns deciduis

i *rimes (sacputtimt duandu) in atdlit folunum sohlam*

- 34 V GI MIMFI ORUM II B Knth - Dunir I r p 573 no fil
- 35 V MYRIII LLS L — Dun il I t p 573 no hi
- 36 V CHAMISSOMS Bongiid — Dunil 1 c p 573 no 63
- 37 'V OVALIFOLIUM Smith — Dnnal 1 c p 573 MO 64
- 38 V PARVIFOLIUM Smith — Dunal 1 c p 574 no 65
- 39 V SALICINUM Cham et Schldl — Dunal I c p 574 no 67
- 40 V MYRTILLOIDES Mithx — Dunal 1 c p 074 no 68
- 41 V CAESPITOSUM Michx — Duml 1 c p 574 no 69
- 42 \ PRAFSTANS Lambeil — Dunal 1 r p 574 no 70
- 43 V MUCRONATUM I — Duml 1 c 574 no 71
- 44 V INTERMEDILM Rulhc — Dunal I c p 574 no 74 (Phnla hybuda fohis persi-
stenubus)

b *llotcs (saepius octandn) % -4-nali*

- 45 V ILIGINOSUM I - DifTnl 1 c p 574 no 73

) Nomen Bcniamianum rvuttilnno senas osse videtur Fquidem inter uiramque
speciem limites cerios lepenre nequeo *Metagonta piostata* [^]utt — Caule piostrato
?H?;g?.. u &&&™s oblongo lanceolaiis ulrmque acuti> sublus eximie nervosis.
seirvaus subciliins Ofitolis pube[^]eniibus minulis peduncuhs bievibus axiHaiibus
cia<sis l-ss-ooona c-|||€h bibncieohto coiolla conico-ovoidea pentagona quinqueflaa.
bacca pjnfoimi - I_n Peruvia iniPi Loxjm a Cuenca

§ V *Maoopelma* Kltzsch 1 c. 59.

*Bated e\succa 5-loculans, septicis spuris panetalibus nullis. Limbus cal\us magnus 5-partitus, partitionibus waequilongis. Corolla uiceolatu-
ulmdnca Antheiae anslatae, anstis erectis. Flores axillares solitarii,
longe pedicellati cbracteali folia peisistentia, margine caitilaginea, ar-
gute senata. Liuticcs Sandvjcenses*

- 4b \ CEREUM Foisteri — Dunal 1 c. 575 no 76 — *Metagoma coca* Nutt. I. c. 264
 47 *V PINDULIFLORUM Gaudich — Dunal 1 t p 575 no 75 — *Madagoma penduhfloia*
 Null 1 c. 264
 48 V^JLACIMJSMITH Smith — Dunal 1 c p 574 no 66 — *Metagoma calyuna* Nutt I c 264
 49 V^PfeYENIANUM Kltzsch I c 59 — Ramis lobustis stnclis ramulisque puberulis
loins magnis oblongis digute serratis obiusis glandula oblusa icrminalis, ulnque
rtiiLulato-venosis, ad nervum pumarjum pube tenui obdiictis pedicellis puberulis,
folio duplo brevioribus lacinnis calicis oblongo-ihombeis, apice rotundatis. — V.
LCienm Wlprs Aila acad C L C nat cunosor XIX Suppl I p 360 (nee alior)
nee cernuum ex Kltzsch I c — Folia 2—4 poll longa, t—1/ poll lata — In mon-*
libus subalpinis insulae O-Wahu
 50 V MACRAEANUM Kltzsch 1 c 59 — Undique puberulum ramis ramulisque lere-
 libus rugoso-cicaiusatis folis parvis obovatis senalis micronatis, utimque reti-
 tuhlo-venosis, *peihcths folio suhlongiouhus calicis lacmna oiatu, vame maequi-*
lougis, obiusis corollis tubulosis, tafia limbum magis allenuati. limbo aperto —*
folia 4—6 lin longa 2—3 lin lata Limbus calicis lineam longus Corolla angusta,
pubescens, 4 lin longa. — In msula Sandwicensi Manee

§ VI *Cinctosandra* Kltzsch 1. c. 60.

*Ovanum 4—5-loculare, septis spuris panetalibus nullis. Corolla cam-
panulata 5-partita. Antheiae lineares muticae exsertae, dein submobi-
^ filamenta subulata hnta. Flores lacmosi. Racem axillares et
^ einnalet,, bracteati. Folia peisistentia, serrato-crenata conacea. Fru-
ctus Madagascanensis et Mosambicenses*

- 5* 'V FORDESII Hook It plant t 345 — Wlps Repeit II p 7U no 2 — In Mo-
sambique
 5^ 'V LMm^E^SE Hook — Dunal 1 c p 570 no 33.
 53 'V LALVIGATUM Boj — Dmwl 1 t p 571 no 39
 °4 V FASCICULATDM Boj — Dunal 1 c p 570 no 38.
 55 V RLFLEAUM Kltzsch. I c 60 — Ramis tcretibus *sordide cinereis rugulosis, ra-*
mulis rufescentibus aubulissime puberulis folis ovatis conocheis serrato-crenatis
subacutis utnque glabri^ reticulato-venosis. supra pallide-vindibus. sublus fusces-
tennibus racemis axillaribus terminalibusque simplicibus erectis. folio tripfo longio-
I'bus, bracteis sessilibus ovatis subacutis. margine glanduloso-nliatis, loflexis ca-
lycia denibus acutis, corollis 5-partitis - Folia 5 - 6 lin. longa, 2 - 3 lin lala. -
In msula Madagascar.

§ VIII *Scytanthemum* Kltzsch.

*OAdniim 5-loculare, septis spuris pauetahbusjiullis. Corolla cam-
panulata crassissima, limbo 5-lobo^ lobis ovatis eieclis, marginibus »•
volutis. Antheiae muticae inclusae filamenta breviter dilatata. Co-*

lymbi ptdunculdli axillaies cbridiali — liutt\ Donungui&ib folns magnis puinincivus peisislenlibus

56 *V. 1MUAJ Hook Ic plant I MI — Wlpis RtpcrI II p 723 no 1

§ \III. *iScmodesta* Kil/sch J c 61

(hamim 5-, ranssimo 7-locuiare, septis spurns panelalibus IHILIS Coiolla carnpanulala, limbo 5-helo. Cdlvx glaber, limbo amplialo 5-dcn-lato lirafleae 2, parvulae in apicc p^diulli sitde, suboppositau Anlliuae niuticde lilamuita hula lloies in apicc lainuloium brtMlu j iceinosi, axillaies decandii ImLiccs \uslio Amencani loins paivis (011)CIS pcisi^lentibns, magis nenosis, marginc cienatis

57 V \IH\I kli/ith 1 c - Picumbeib nmosissimuin iimulis adscendentibus pu berulis subtelibus fulns cictis oblongib spirato-crenatis acuiusculis>, infcine in petiolnm ailcnualis, piominenti noivosis, supra lode vindibus. sublus fuscscenUlxis petiolo pubescLiite, cauli idpies^o lacmib bicvissinns piucilloiil biacteis minutis. (.Adtis icumnnli^* lacimis cil^cis o^ U> acutis, coioll clujilo brLvionbus toiolh-* o\ ito onipinuhiit — Foln 5 — 6 lin Jon^u 2 lin Inn Loiolln I lin lont?a JJdccc iuh\ u q,lobos 2 lin in rimnciro — In Ifuasabua&i Peru\iae

ob \ OTfOMS Kilz&cb 1 c — Ilamosum lamia cicclib, pubtiulis folns citctis oblongis & irato-crenatu, utunqce dticuuaii, Iubio-linlis, bupia mtidib sublus pio-ii)menti nervosih potiolis puipuids ghbn& biatlthi> o\alo-hnceolatis, marline sparsun fl mdulo^is hcinnns caheis ov itis nulls coiollis ovnto- cimpnnuhs — Folia b lin lon^a 2 lin lata Coroll 3 lin longa Jiaccac rubuc globosac I liu in di >>mcuo 5- rtnsMint 7-loculaies — In montibus locis saxosis \enezuelae

jM \ SECLNDLM Kil/>>c] 1 c hi — Rimosum nns Picctis pubeiulis folns socundiis oblon^i^* sumo crenjtis ituiustulii> a iluidtt-\iudibus> jtiominenti- nervo^is, gh-bus petiolis pubnulis latrmis copiosii> nxillnbus biCMssimis subsicundis Z — 3-llous Id ictus pu\s ovitu aculis tiinu<<is I umiib ciljut. ovulis aciUisMinis cololl tuplo bi(\ioiibus corollis cimp muhiis — Poln 5 hn lungd 2 lit) laia dorulh Z lin lon_b d — In Amtuca cenii |||

% || *Htis Idaea* Ivll/^ch 1 c 62

0\annm 4—5-locnlarc, beptis bpuins pantlalibiis nollis. (oiolla lyhindneo- Till eloboso - cairi]afiulaLa JiinJx) 4—o-luio \nllniac t\anslal it nut bitMssunc an^lalaie 1 ilamoiita pilobi lloiiib in i uunib hicvjbus J)iaetcati <l bibiaetidli, biacteis colui itis JIILICLS J uiupau, Jtoiali- cL Vustio-Vineioaiu loins pcisish llibus

a \iithuac exanstatae

HO 'V MTI^IDAIAL — Duml 1 c | 5bS no 11

hi *| ON VTUM Pursli — Duml I t p 570 no M — Mtlajunm pyiulhammis Null 1 c

fi2 *V M\RIIFOLIUM Miclix — Duml 1 (p 5b8 no 17 — \ aasMJoUum Audi — Dunal 1 c p 15 — Mclngoma mi/itilia Null 1 c 26J

(>3 V TII^MIFOI IIM KitZbCi 1 c b2 — IMosinium ilebilt glabium nmis ramulisque torclibus longis folns ovitis obtiisib loinnu LIII\IIO-&LII m> comrois pattntibus, snpi i slim ite Mdibus sublus jnlido fiisi (srrnlibii^* llonbtis n apico mnuloiuni

J)ielij>ime \acemosi-i, tetiamens bractis latis rotundatis connexis, marg-jne *lenuihus*.
 \ci>us> apiceni dtnticularis ciljcis lacinus ovatis acut/s coiollib campanula^, dnibe-
 n> bievi-tubulo&is, geiraine glabro — Folia 5 lio longa, 2'/j lm. lata Coiollae 2'/a
 lm longao — Iti Paramo de MucuK CoJumbiae

M *V MORTIMA Bnth — Wiprs Repert VI p 413 no 4 —In Columbia.

£5 M COJNFRITUM H B Kin -Dunal J c p 568 no 16

M> *V BRAPII\STACHYUM Bnth - Wiprs Rcpert II p 724 no 5

£? A MORITIANUM Kitzsch ! c 63 — Ram is i obustis subglabns, ramulis subnngula-
 tis evanescent]- vjllosis folus densis patentibus oblongis aui ovatis couactis, mar-
 gmc cartilagmcis upnato-seiratis acutiusculis opacis. subtus sparsim ovanescenti-
 Mtosis supia in nervo pnmano praesertim jd basin *subpubsceniibus*, *pcuoliit* bie-
 \ibus villosis, racemis axillaiibu* soluanis, in apice uinuloiun?congeals, folio vix
 lungionbus bracti^ magnis convex^ ex ovato oblongis acutis, margine tenutbus*
 obholate uenato - dentatis flonbus telramens, calyuo Jncmnt. o\ati6 acutis, corollib
 uiccolaio - campanulalis geniijlibus incJusia

a *uvuium* Folus ovati* basi jotundalis ~ Folia b—7 I MI longa, √3—4 lm. Litu
 — h| mom^us funguia^une «it 1300—1600 Uc|, m Menda Columbiao

P *oblonyum* Folus oblongis, in petiolum attnuatib — Folia 5 — 7 hn longa,
 ^ — 3 lm laia — In Sierra Aevada Columbiae

^ | FLORIBUNDUM H B ktb — Dunal j c p 56!) no. 18.

64 -V POUBTACHYUM Bnth — Wiprs Reperi VJ p 413 no. b,

70 * \ MO>TAMJM Poll! — Dunal 1 c p 568 no 18

41 'V M ABRUM Pobl — Dunal 1 c p. 568 no 19

7^ * \ MILLOBLM biiuth — Dunal I c p 56U no ^6 — *Uotagoiua*⁹ *villosa* Psuit 1 c.

266

(B Antheiac au^talae

i *Anslac sit)sum ennatae, bicvfssimae*

73 V CONSAJ^GUIM UM Kitzsch 1 c 64 — Fruticosum subglnbrum ramis terotibus
 uttus glabiib, sordide fusus, ramulis subquadiangulaiibus puberulis, folus oblongis,
 † uttuqut -mcnuatii glabns iemote scrratib, acutissimis, membnnaceo-conaceis som-
 pttuutibus pciolii bicMisnni!. supia pluuib puhuulis, sublus convcxiusculis.^la-
 l'is raccinis spicaefoimibu2> smpticibus puberulis biactatii», lolio subbievionbus, in
 <Kcc lamuioiuii nvllaiibus solitams biiicteis coloiati& ovato - acuminntis glabris*
 subc uinaiis niiigjiicpuberuliti llonbus letraniens bievitei petlicellans, glabns calyts
 lumbu 4 - HJo. lobib ovato - tuangulanbus acutis, margine puberulis; coiollis campa-
 "uhto - uiceoHus nuhtiis. DiL\itcr biaistatis, filamentis extus den^e pilosis — Folia
 * —J'A poll loigu d—fa lm lata — In inunte Clmiqui Amentae tentiahs.

41 N i>l iNshLOHUAJ Bnlh — Wiprs Repeit VI /> 413 no 5 — In icgiombus fiifaidis
 l olumbiic S/ui i JNevada

73 N (OR\MbUDLi>DRON Don—Dunal 1 c p 569 no 24 — *Mctayorua cotymbodendium*
 \utu 1 c fii

b *i/isfae suisum cunatae longiores*

76 V (ARVCASANUM H B L — Dunal I c p 568 no 21

•j- Specie* non *alii> notae

J *v \RCTOSTAPini OS L — Dunal 1 c p 567 no 10

AS "A AfrrMAfLU DunaM c p 571.no 40

7J * \ LHVLF MM! Uuiibrf - Dun'l J L I¹ 573 no 58

SU N MIIVTLM* fliunbfr — Dunal 1 < |> 37i no S

- 81 CRrNULATUM Dunal I c p 570 no 34 — *Mctagoma ctenulata* Nutt 1 c 266
 82 * \ f YLhNDRACEUM Smith — Dunal I c p 571 no 43
 83 \ DIDYMAMIILM Dunal 1 c p 575 no 79 — *Mclagoma (hdymantha* Null I c 260
 84 \ DISCOLOR Mart et Gal — Wlpis Repcil II p 724 no 3
 85 \ IIRRTUM Thnbrg — Dunal 1 c p. 574 no 72
 86 \ IILMIFLSUM Gialnm — Duinl 1 c p 576 no 84
 87 \ JAAAMLUM Hook Ic pi t 740 — Wlpis Repcil VI p 413 no 1
 88 \ LVINCLOIATUM Dunal J c p 570 no 32 — I'citinti (<x "Suit 1 c 261) dd \
oi alum Pi*h (cl no 61)
 S9 • V II DII 01 IUM Pohl — Dunal 1 c p 272 no 53.
 90 V LLU< OS10MUM Linille) Gauln Chiomdc 1848 no 7 — \an Uoulo, Hoit des
seitcs 1\ p 329 ff adn 2 fi. tab 3J2 — klzsch 1 c 65 — Scmpeivncns glakium
i mms cicclj-s jnguJosib folus oblong, i&, k ic -stssilibus, cia&Mb, ICMLI ticnatib, ob-
 solete ncivo&is lloubus 3—4 in eiectos bic\es laccmos fastitulalos, axillares djbpo&iti*
 butler pilis hmbii Uis coiolla uiccoluo - cainpanulata, limbo bicvi oicclo* miliui»
 inulicis — *boha* 6—13 lin longn J—6 lin lala JJracleae paiva< subuhlat — In Aml-
 bus PLIUVI IC
 M1 \ I O^GIILORLM Wicksti6m — Dunal 1 c p 573 no 60
 92 * A MARGI>AfUM Dunal 1 t p 570 no 35 — *Ahtayoma maujmata* Mult 1 c 266
 93 * v MAD1 RLiNSL Link — Duual I t p 567 no 11
 94 \ MLKJDIONALL Swart/ — Duikil 1 c p 569 no 23 — *McUiguma mcitdiunalit*,
Isult 1 c 264
 M2 * \ MICRANTHUM Dunal 1 c |> 568 no 22
 96 \ MICROPHYLLUM IUinw — Duml 1. c p 576 no 85
 97 * v MtsGICOLA Hook It plant t 717 — Wlpi& IUpul M p 113 no 2
 98 * \ ObIUSUM Puii.li — Dunal 1 c. p 570 no 77
 M9 \ RAMOMSSJMLM Dunal 1 t p 571 no 42
 100 \ MJMArRAiNUM W Jack — Dunal 1 c p 569 no JO
 101 * \ JILOSUM biuilh — Dunal 1 t p 56S no 26

f Species excludendae.

- V AH-1M Wylil = IPIG\MUM AFHM KI
 V UtMtOLIUM balisb = GA\LLSSA(IA JilVLHY^LRA A GiAj
 V DF CAMLROCAKPOiN Dunal = GAW.LSSALU RLSINOSA A Gn\
 \ DOMANUM Wghl = LPIG\INIUIAI UONfAMJaf KI
 V DUMOSUM Andi = GA\LUSSALIA DUMOSV A Giay
 \ DUiNALIAMIM Wght — LIMGYMUM DUNALIA^UM KI
 \ I-KUM)USLM **Willd** = GA\LUSSACIA FRO>DOSA A bi
 \ GKIIHriIIAUM \i?ht = IPIG\MUM GM11IUIIANIM KI
 V IIRbLILM Wglil = AGAPLILS IIRsUTA KI
 \ JUKI! LLLM Ait = GA\LUSSV(IA HIRfLLA A Gia>
 \ LI b(III iNAUI HI Wjht = LPJGIMLM LL8CIIL>ALL III KI
 V MAI VCCI NSL Wghl = LPIGVMUAI MALAI (EISSL KI
 V ^LILGIILRRL^SE Wghl = LPIb\MUM TNEILGHLRRLINSL KI
 V OHOWTLM Wght = LPIGlimM OBONATUM KI
 V ODOJNOCERUM Wght = CALIGULA ODONTOCrRA KI
 V HI sirsOSUM Ail = GAYLUbSALI\ RLSINObA A GiAj
 V R0IUINDIFOLIUM Wght = LPIGWium RO1 UNDI*OLILM Wlpu,
 V bl RPLINS Wght = PI MAPTLR\GILM SERPLNS KI
 A SI RIUTUM Wghl = EPIGYNIUM bLRRATLM KI
 \ ^L^OSUM Wght = LPKAiMIM ALiNOSLM KI
 \ MRTIULIArUM Wght = Ah1PLTIb M1UUIILLATA D Don
 V WALLICHIANUM Wght = AGAPLTLs WALIICHIANA KI

XXVII O\1COC€U» Pers.

(Dunal in DC. Prodr. VII. p. 576. — Kltzsch. Linnaea XXIV. 67. — *Vaccinii* spec. Linn.— *Vacemu* seel. 1. *thycocctis* A. Gray, *Gliloris* Boieuli- Americ. 1. p. 52. — *Scholleva* Roth, Tent. Hor. Gorman. I. p. 179.)

Calyx ovario adnatus, limbo libero 4-partito. Corolla in alabastro conica, deinde 4-partita, lobis angustis revolutis. Filamenta 8 conniventia. Antherae tubulosae furcalae, antice ad apicem poris obliquis, dehiscentes. Dacca 4-locularis, loculis polyspermis. — Frutices erecti aut suffrutices prostrati: foliis deciduis aut persistentibus.

Vaults erectilib: folus deculms; baccis iimpidis.

1. * 0. ERECTUS Pursh. — Dunal I. c. p. 577. n. 3. — *Vaccinium erythrocarpum* Michx. Flor. Amer. bor. I. p. 227.

" * *Caultti prostratus.*

2. '0. PALUSTRIS Persoon. — Dunal I. c. p. 577. no. 1.

3. "0. MACROCARPUS Persoon. — Dunal. I. c. p. 577. no. 2.

XXVIII PHALJEROCARPITS G. Don.

(Dunal in DC. Prodr. VII. p. 577. — Kltzsch. Linnaea XXIV. 67.)

(Char. emend.) Calyx bibracteolatus adnatus, limbo libero quadripartito membranaceo tenui. Corolla brevi campanulata 4-fida. Stamina 8 distincta. Filamenta brevia orbiculato-obcordata glabra. Antherae biloculares oblongae, dorso apiceque 4-aristatae, arisliis erectis strictis. Ovarium inferum 4-loculare multiovulatum, disco magis pulvinato limboque calycino coronatum. Stylus brevis strichis. Stigma obtusum. Bacca succosa subglobose-ovata nivea edulis. Semina numerosa nitida ovalo-sugulata. — Suffrutex repens: ramis filiformibus divaricatis setoso-hispidis; foliis subrotundo-ovalibus acutis, subtus margineque sparsim sotoso-hispidis; floribus parvis breviter pedicellatis axillaribus solitariis.

¹. 'PH. SERPYLLIFOLIUS G. Don. — Dunal I. c. p. 577. no. 1. — Kltzscli. 1. v. 88. — *Chtoyencs hispidula* Torr. fit Gr. niss. in Ton*. Flor. of New York I. 450. f tab. 68. — In cupressetis humidis Americae borealis.

f OenuH e tribu excludendum.

AMEF.HANIA DC. (DC. Prodr. VII. 578.)

f t OenuB e tribu, ordine et CIAHHI excludendum.

AHGOP11YLLUM Forsier. (DC. Prodr. VII. 578.)

Tribus II. *ARBVTEAE* Alph. DC. — Kltzscli. Linnaea XXIV. pag. 69.

Calyx hypogynus 5-fidus aut 5-partitus persistens. Corolla calyci inserta decidua gamopetala urceolata, limbo 5-fido. Stamina corollae la-

emus nunieio dupla hypo^ana, inira rii&tuin afixa libeia, mlu se acqualia, liainta plciumque bnsi dilalata, ^alabia aul pilosi, sinsum attenuah, antherae lateralcs biloculaies ulpluumum piurium lotioflexae, demum mtrofle\ae subinde eicctac, antice ad apicem bipiosae anslatae aut ranssime muticae, anstis doisalibus 2 reflexis aut apicahbus 4 ereclis Ovanum sup^arum 5—10-loculaic, oculis uni—multio\ula(is disco insidens carnosio subdecemangulan Iiuctus globosus drupaceus aut baccatus, laevis aut granulalo papilloMi*? 5—10-loculans, mono—polyspermus Semina pndula obo\ato-oblong Tesla simplex membranacea nucleo aicte appressa Albumen tainosuim acquabile Linbi^ao lespectu lull ereclus cenliahs iadicula c^alindnca sublonga — \rbus>culae, fiuticcs aj)t fiuliculi lamosi, erecli aul piocumbenUs loins pusionibus, ranssime deciduis flonbus racemosis pamculatis spicalis nut sohtaiII<5 axilhnhus aul tcimimlibus, fiucfibiis baccalis aut diupa ens ^alol ois, incMbus inl feunul Uo-papillulis rubns, ni^ans ul .ilbidis

A *Anlhet ae ovatae, a lalere (ompres^aae, etubuWkae, upicc dor soque deflei o - biarutatac*

XXA ARBUTUS Tounuf

(DC Piodr VII p 581 — Klt/sch Linnea XXIV 70 — Wlpiis llepert II 7-25 VI 41fi
Uncdo HolTmantisegg cl link, Flor Poit I p 115)

Cal^ax 5-partitus. Coiollae lubus globosus aut o\atus_f apice conslnctus, hmbro 5-lobo, lobis obtusis icflexis St imina 10 mclusa, anthens compressis, primum retiolloxis, demum mlioflexis, antice ad apicem oblique biporosis bianstatis anslis dorso ljiJiaapicalibus deflevis, lila-mentis basi dilatatis, ^aursum aUcnualis, inferne baibalis. Ovanum disco >ypOr^ayno deca&'ono impositum, liberum globosum gianulato-papillosum 5-lo(ulare oculis plunoMilalis Dacca globosa granuloso-papillosa 5-loculans, oculis polyspeimjs — Arbusculae aut frutices Gerontogci el Mexuani foil is altcmis conaccis persislentibus peliolalis oblonci^a niLt ^a•rninis aut seirato-dentatis, racemis terminalibus, saopius pamculatis biacleatis, floubus deciduis, alb id is aut caineis, saepe monsliosis.

a Gerontogae

- 1 A UNI DO L — Df Piodi I c p 581 n 1
- I A IYimiDA Kei - DC Proilr I e p 581 n 2
- 3 'A SIUIAfIFOLIA Lodd —DC Piodi I c p 581 n 3
- 4 *A A^aDRACIII^aOIDLS Link — DC Piodi I c p 581 n 4
- 5 A A^aDRACII^aL I — DC Piodi I c p 582 n 7
- I) A INTLGRIFOLIA I am Lntyel 1 227 — DC I c 582 no 8 (ox p)— hli>sih 1 (71 — Arborea coitice laevi fusco, ramis ramulisque terelibus glabns loins* obow Ub mlLgeriimib bitviter oblubeque icuti!> m pi uolum longum attenuUis, supia silu- idle-vnidibus ghbns submlidis, subtus opacis fuiccsenlibus, linrginc icnuibus subiccuivis panicula tLimiuli lolio^aj o'landuloso pubeiuh baccis gianulato-\enu- cosis — *Andrathne Theophasb* Clus Hist p 48 —Folia 2¹/₂ — 3 poll longi, i¹/_t — 2 poll laia Peuoli polljcem Iongi liaccac HI MCCO subiugiae 3 lin m diamelro — In insuh Cicli
- 7 A SII DI RI Kltzsch 1 c. 71 — Aiboica coilite laevi, r.iinis iamulu>quo tcictibus, ghbns folns longi pdiolulib B'hbn* ovaais, liic\isumc acim^a basi cordatis supia

lacte vmdibus subnitidis, subius glaucis, margiae plants integernnus. pajuoula terminnli divanrala, dense piloso-glandulosa. interne sparsim foliosa, calycibus pubea-eedulibus — 1. *integrifoha* Siebei, Flor Orel exs — DC 1 c p. 582. n 8. (partim.) — Folia 2½ — 3V_a poll longa, V₂ — 2¼ poll lata fracteae brevissimae cucullaiae, obtusae pubesrentes — In insula Greta.

H *A CANARIENSIS Veill — DC I. c. p. 581. n. 5

⁴ *A LONGIFOLIA Lois — DC c. p. 581. n. 6.

b *Amencanae.*

10 *A PROCERA Douglas — DC I c p 582 n 9.

11 'A MI MIESH Puish. Flor Ror Am. I p 282. — DC I. c 582.1k. 10. — *A. lauufolia* I mill Rot Reg (New Ser) Vol »? t 67

U A SPINULOSA Mil ions et Galcotti — Wlpis Reperl. II p 725 n. 2 — In Mexico.

I) A dLANDULOSA Moil c(Gnl — Wl/us I c n 3 — *A. tillosa* Ifoili Willd n 8905 — *A. dtnstfloia* Unih PI Hailw n 90. — In Mexico

14 -A OVATA Mart. el Gal — Wlprs I c no i — In Mexico

15 'A hLORIFUNDA Mart el Gal — Wlprs 1 c n 5. - In Mexico.

16 'A. I AURINA Mail et Gal Wlprs. 1 c no 7. - In Mexico.

17 *A PANICULATA Mart ot Gal — WJpis. 1 c. n 8 — In Mexico

18 *A. PETIOLARIS II R Kth — DC I c p 582 n 11.

19. *A. DENSIFLORA II R Kth — DC 1 c p 582. n. 12

20 'A MOLLIS H. R Kill — DC I c p. 582 n 13.

il 'A XALAPENSIS II D Kli - DC 1 c p 583 n 14 — Lindl Jouin of the borne, soc V. 193 (c ic. xylogr) — *A. maciophylla* Mart, el Gal. — Wlprs. 1. c p 725. n 6

^ 'A VARIANS Rnth. — Wlprs Report. VI p 446. n 1 — In Mexico.

^3 A. PRUNIFOLIA Kltzsch 1 c 73 — Subarborea, ramis leretibus. dilute fuscis, glabns ramulis vindibus evanescenti- pubescentibus subangulatis, folna oblongis acutis, margine serratis, basi abrupte obtuMS, in peliolum longum subattenuatis, supia laete vindibus giabns, subtus pallidionbus, praesertim in nervo pnmano pilosiusculis, pctiolis puberulis, racemo terminah aphylo bracteato, bracteis brevibus latis convexiusculis obtusis pubescentibus, baccis papilloso-granulatis rubns — Folia 2 — 2% poll longa, 1 — 1¼ poll lata — Peioli pollicem longi. Raccae pollicem diroi- (Jmra in diametro — In Mexico pi ope Real del raonte. — *Madrono* mcol

f *Species minus netae.*

^ A FCRRUGINEA Linn. (II - DC. Piodr. VII. p 583. n. 15.

*5 A LANCEOLATA Lam - DC I. c n. 18

f f *Species excl«dendae«*

A FURENS Hook DC I c = PERNETTYAE species

A PUNFTATA Hook., DC I c = PERNETTYAE species

A RURT-SCLNS Berlol = COMAROSTAPHYLIS RUBLSSENS KI

XX COMAROSTAPHYIiS *Zuccartm.*

^"ccar Abhandlungen der mnthematisch-physikaliscben Klasse der k6mgl baienschen

Alademie der Wissenachaflen zu Muncben. 1831 — 1836. II. p. 331. — Kltzsch. Linnaea XXIV. 73.)

Calyx h\pog>mis 5 - parlitus persistens. Corolla calyci inserta, U|ceolata 5-l6Jbā. Stamina 10, calycis basi affixa hbera, filameatis

basi dilatatis, sursum attenuatis, glabris aut baibatis, antliens ovahbus compiessis, pnmum retio-, demum intiofle\is Ovanum disco hypo^yno decemangulan impositum, libcrum, elobosum, granuhlo-papillosum, 5-Jocularis, ovulo sohlano in quovis loculo Stylus cylindmus, stign ate truncato 5-dentato Drupa globosa, carnosa, e\lus granulato-papillo^a monopyrena. Pyrenum parvum, qlobosum osseum 5-loculare, penta- vel abortu 1 — 4-spermum Semina solitana pendula obo^ato-oblonga — Aibusculae aut frutices habitu *Arbuti* in Mexico et Guatemala sponte nascentes **foliis** persistentibus oblongis, Integernmis aut dentato seiritis, conaceis (lonbus racemosis aut paniculatis, terminalibus, bracleahs

§ 1. Tolia dentato-serrata

a *Undique glabra*

- 1 C ARGUTIV Zucc I c p 332 n 11 — Kltzsch 1 c 74 ^-Foliis conaceis oblongo-lanceolatis ulnque aitenutis ntfutis aigute et inaequaliter ciitMhgmeo denlato sen alls denlibus inuonaiis supra laele virnlibus subnilidis sublus ghuccsconiibu? **petiolis** que gl ilins lacemis pmtuialis ternunilibus infornc foliosis superne bracleahs ped cellisqup pubciulo subglandulosus — *Arctostaphylos aiqula* DC Prodr VII p 585 n 7 — t *discoloi* Hook — DC 1 c p 585 n 10 — *A mlida* Bnth — Wlprs Repeit H p 726 n 3 — Rot Reg (New Sei) Vol (?>) t 32 — Bot Mag I 3904 — *A ynnulota* Mail et Gal — Wlpris Repeit II p 726 n 1 — In Mexico

6 *Sublus pubeiula*

2. C ANGUSTIFOLIA Kltzsch I c 74 — Fullicosa nmosissima ramis rugosjs sordide fuscis subdichotomi^ nmuli»quo teretibus puberulis foliis oblongis angustis ulnque iltenmtis maigme recuivis> Jemote serruhio subaculeatis apice mucronatis bracleahs petiolatis supia glabris hete vindibus sublus glaucis evanescenti-puberulis nervo puimiiio rufescento magis piominenc racemis lerminalibus glanduloso-pilosis simplicibus bnctoati-s bncteis. hnccolatis acuti> puberulis pedicello tnplo bievionibus drupis globose gianuhto venucosis paivis — Folia 1^A — 2 poll longa 2—5 lin lata Racemi sesquipollicnres recti Drupi in sicco nigia magmtudine giani *Pipei is mgi i* — In Mexico
- 3 f I ONGIFOLIA Kltzsch 1 c 75 — *Arctostaphylos long if aha* Bnth — Wlprs Repeit II p 726 no 4 — In Mexico
- 4 C ATTENUATA Kltzsch 1 c 75 — Frulitosi inferne nude apice pamculis ramisque folnifens comosa rtmis terelibus ferrugineo fuscis nmulis subangulatis villosis ^lanilulosi^ folns angusle oblongis dense et imequaliter dentato seiralis in petiolum attenuatis ipice subrotundito mucionatis supn pallide vindibus evinescenti - pilosis sublus villosis-pubcscentibus j *tuolis* btevibus villosis glandulosus pamculis lerminalibus lolio brevionibus rufescenlibus villosis ghndulosus biactcdlis dense ramosis diva* ncicus bracleis oviiis acuinmati^ pubescenti glandulosus carimtib pedicello tnplo bievionibus drupis puivis papillo»o -granuluis brevi-icutis — Folia 3V_a — 4 poli longa 6—8 Jin lata Petioli 4—6 lin longa Diupne 1^a lin in diametro — In Mexico

g 2 Folia jntegernma, sublus puberula aut tomentosa

- 5 * C LATIFOLIA kllzsch 1 c 76 — *Arctostaphylos latifolia* Mart et Gal — Wlpr« Repeit II p 726 no 2 — In Mexico
- 6 C GLAUC CSCENS Zucc — Kllzsch 1 c 7b — *Aictottaphylos glaucescens* H B Kntb — DC 1 c p 584 no 5 — In Mexico
- 7 T MUFRONIFERA Kllzsch 1 c 76 — *Ai clotlayhiflos mucromfeia* DC I c p 585 no *

- 8 C MUCRONATA Kltzsch 1 c 76 — Fruticosa ramosissima ramis teretibus mfc-
ccenti fuscis (pidermide dcstilutis rnmulis subanguhus mcano-tomentosis folns ob-
longis petiolatis margine suhunduhtis versus apicem plus mmusve minutissime ser-
rulate ipice subiotundatis mucronaiis infcine in petiolum attenuahs supra evanes-
ccenti puberulis dcinde satunte vindibus suhmiidis subtus peliohsque incano-tomen-
losis ncnm nmosis bre\i bracieatis pubescnii tomentosis folio vix longionbus
(orolib pini* spaisim pilo&is drupe globosis gianulato papillosis m sicco laete
luftsttniibus
a *Inevifuha* folns ovilibus* lalionbus bicvionbusque basi obtusiusculis —
toln 1 1/2—2 poll longa 7—9 lin lata Drupte lintam in diametro
(*J angustata* folns aïgu<Uionbus longioibusque, bisi acutis — Foln 2% — 3
poll longi 4—7 lin lata — In Mexico
- 9 (POLIFOLIA 7ucc — Kllzsch 1 c 77 — Romuh, petioli foliaque subter evanescenti
ferrugmeo-puberuli folia oblonga, pnmum utrmque acuta margine revoluta deinde
glabia apjce rotundata brevissime apicuhta margine plana — *At ctostaphylos pohfoha*
H B Knth — DC I c p 585 no 6 — In Mexico
- 10 *L RUBESCENS Kltzsch 1 c 77 — *Aibutus rubescens* Bertol — Wlprs 1 c II p
725 no 1 — In Guntimala
- U C ARBUTOIDES Lindl Bot Reg (Mew Scr) Vol . » t 30 — Kltzsch
1 c — Erecto ramulis folns subter pamculisque tomentosis, folns obloDgis mteger-
nmis utnnque attenuatis mucronulatis margine subrecurvis, supra saturate vindfbus,
subtus fenugioeis bracteis acummatis pedicello brevionbus racemis in parte Jnfe-
non folufens — In Guatimala
- 12 *C OAXACANA Kltzsch 1 c — *Aictostaphylos Oaxacana* DC 1 c p 685 no 8 —
In Guesla blanca Mexico
- 13 G HARTWEGIAISA Kltzsch 1 c — Fruticosa subflexuosa ramis teretibus subdi-
chotomis Iugoso - nmosis folns delapsis fuscscntibus rnmulis pctiohs racemique
ihachibus fuscscnti - pubscntibus pilis glandulifens intersperse folns oblongo-
lincinbus mucronalis intcgemmis laete vindibus margine revoluiis supra evonescenti-
pubciulis subtus prae^ertlm in nevis pubcruhs, minutissime flivido ghndulosis, m
petiolum peibievcm iltenuitis racemis terminalibus simplicibus bipollicanbus bra-
cteis interionbus pedicellos aequnilibus supenonbus gradilim brevionbus corollis
versus apicem spaisim hirlis — *iictostajliyllos Oaxacana* Dnth PI flirlw no 343
(nee DC) — Folia 6—12 lm longa, 1—1 1/2 lin hta — *A Comaioslaphyh Oaxacana*
(liflut taule graciliou flexuobO folns brevionbus et angustionbus, pubescentiae co-
loie bnctej, iniiiioibus et corollis inlra limbum spaisim hirlis — In Mexico
- U (BICOLOR Kltzsch 1 c 78 — Fiuticosa nmosa coitice fusco - caslaneo gh-
hio folns ellipucis atulis Integemmis supri vindibus niticlis sublus lomentosis
laceims tenninalibus erectis pedicelhs bracteis calycibu!>que villosis coiollis cylin-
dnco ovatis rubn^s intus glabris drupis glabns hevibus* llavidis submtide exsuccis
clobosis aborlu monospennis semimbus oblongis compressis — *Xylococcus bicoloi*
Nutt Transact of the Americ philos soc (JSew Sei) VIII 258 — Frutex 3—4-
pedalis iolia forma et magmtudine eorum *Rhododendrt ptinctati* bfpollicaria, 9 lin
^ta Diupae magmtudine gram *Pipeits ntgri* putamen 5 - loculare, quorum unnum
lantum lertile monospermum — In Galilornia pi ope Monterey

XXXI AItCTOSTAPHYIiIOS Adanson

(Kltzsch Lmnaea XXIV 78 - *Mavama* Neck Element I no 363)

Calvx hypogynus 5-partitus persistens Corolla calyci inserta,
ovato-urceo''lata 5-loba Stamina 10, imae corollae mserta hbera,
t a h e n t , b a s i d i l a t a t i s , s u r s u m a t t e D u a t i s , i n f e r n e p i l o t s , a n t h e n s o v a -
l i b u s , a l a t e r e c o m p r e s s i s , p n m u m r e t r o - , d e m u m i n t r o f l e x i s O v a n u m

ovalum laeve, absque dissepimentis. Stylus pentagono-cylindricus, sursum incrassatus, inclusus. Stigma obtusum. Drupa succosa globosa pentapyrena, pyrenis discretis monospermis. — Frutices procumbentes: foliis parvis deciduis aut persistentibus; racemis brevissimis terminalibus bracteatis.

1. 'A. ALPINA Spreng. Syst. veg. II. p. 287. — *Arbutus alidna* L. Spec. pi. I. p. 566. — DC. Prodr. VII. 584. no. 1. — In npris alpinis Europne al Asiite borenlis.
2. "A. OFFICINALIS Wimmer et Grab. Flor. Silcs. 1. p. 391. — *A. uva ursi* Spreng. I. c. — DC. I. c. no. 2. — *Arbutus uva ursi* Linn. — In montanis et rupestribus Em-opm; borealis et mediae, Asiatic et Americne bor.

t Species exlagae.

- A. ACUTA Null. = DAPHNIDOSTAPHYLIS ACUTA Kl.
- A. CORDIFOLIA Lindl., DC. = DAPHNIDOSTAPHYLIS CORDIFOLIA Kl.
- A. DISCOLOR Hooker. DC. = COMAROSTAPHYLIS ARGUTA Zucc.
- A. GLAUCA Lindl., DC. = DAPHNIDOSTAPHYLIS GLAUCA Kl.
- A. GLAUCESCENS H. B. Knh. = COMAROSTAPHYLIS GLAUCESGENS Zucc.
- A. HOOKERI G. Don. = DAPHNIDOSTAPHYLIS HOOKERI Kl.
- A. LATIFOLIA Mart, et Gal. = COMAROSTAPHYLIS LATIFOLIA Kl.
- A. LONGIFOLIA Bnlh. = COM. LONGIFOLIA Kl.
- A. MUCRONIFERA DC. = C. MUCRONIFERA Kl.
- A. NITIDA Bnth. = C. ARGUTA Zucc.
- A. OAXACANA DC. = C. OAXACANA Kl.
- A. OAXACANA Bnth. = C. HARTWEGIANA Kl.
- A. POLIFOLIA H. B. Kntli. = C. POLIFOLIA Zucc.
- A. PUMILA Null. = DAPHNIDOSTAPHYLIS PUMILA Kl.
- A. PUNGENS H. B. Knlh. = DAPHNIDOSTAPHYLIS PUNGENS Kl.
- A. SPINOSA Mart, et Gal. = COMAROSTAPHYLIS ARGUTA Zucc.
- A. TOMENTOSA Dougl., Lindl. = DAPHNIDOSTAPHYLIS TOMENTOSA Kl.

XXXII. XEROTRYS *Uall.*

(Null. Transact. of the Americ. philos. Society [New Sci.] VIII. p. 267. — Killzsch. Linnaca XXIV. 87.)

Calyx hypogynus 5-partitus persistens. Corolla calyci inserta, ovato-urceolata 4—5-dentata. Stamina 8—10, imae corollae inserta, libera; filamentis basi dilatatis, sursum attenuatis, inferne pubescentibus; antheris ovalibus, a latere compressis, primum retro-, demum introflexis. Ovarium disco hypogyno crasso integerrimo impositum, globosum, pilosum, liberum laeve, absque dissepimentis. Stylus cylindricus inclusus. Stigma obtusum. Drupa globosa flavida, sicca subfarinacea, pentapyrena, pyrenis 5, abortu 3, discretis, bi—trilocularibus, loculis labyrinthiformibus monospermis. Semina elongato-incurva. — Frutices Californici: foliis integerrimis aut serrulatis; racemis terminalibus contractis; floribus albis aut roseis.

1. X. TOMENTOSUS Nullall 1. c. - Killzsch. I. e. 88. - Fructus 3-pedalis subferrugineus. Folia integerrima. Flores albi, subinde roseo-lincti. Drupae laevae, pilosae. magnitudine grani piperis — *Arbutus tomentosa* Pursh, Flora Bor.-Americ. I. p. 282. — Hook. Flor. Dor.-Americ. II. p. 36. 1. 129. - Bot. Mag. i. 3320. — *Arctostaphylos tomentosa* DC. Prodr. VII. p. 585. (partim, nec Lindley.) — *Ammameda ? bracteosa* DC. 1. c. p. 607. — In Nova California frequens.

- 2 X ARGUTUS Sult I c — Kltzsch 1 c 88 — Ramulis petiolisque longe et pnteniim hispido-sclosis fohis ovatis ocummatis, mihlus volulims, supia glabu&, margine ransMme seirulaiis — (rescit cum praecedente)
- 3 X YhiNULOSUS >ult 1 c 268 — Kli/sch 1 c 88 — Erecta laniosa ramis, potiolis inargimbusque folioruin pubestcniibus folns crassiusculis ellipticis aut cllipncouv.uuii acutis subseirulatis glabns mtidi* , lon^c petiolatis. racemis terminalibus colymbo&is biacteis squamaeformibus brevissimis calycis lacinns ciliatis, corollis mlus piloiib tllamenlis pilosis, nntstis longissimis bactis glabns globosis — *Andiameda* unulusa* DC I c p 607 — Fiulcx pedalis ramosus Rami fusco-ca&lanei glabn R unuli villosi Folia pollicana, cias^iuscula 6 — 9 Jin lali, ulimque laete vindia glabia venulosj, basi acult Flores albi fastigiato-lacemosi JJracteae imbrnatae o\diac acuae pubescentes Pidicelli basi brevilei bibracteati Diupae depresso-globosae glabrae — In Nova California prope Monteroy

t Species exolusae.

- \ (ORDIFOLIUS ^uU = DAPHNIDOSTAPIULIS LORDIFOLIA KI
 \ GLAUCUS Null = D GLAUCA KI

XXXIII HAPHHriDOSTAPIIYiIS *Kltzsch*

(Kltzsch *Lionaea* XXIV. 79)

Calvx panus hypogynus 5-partitus persistens, foliohs obtusis inaequalibus Corolla calyci mserta, ovato-urceolata 5-loba Stamina 10, imae corollae inserta, libera, tilamentis basi dilatatis, barbatis, suisum attenuatis, anthens ovalibus, a latere compressis, primum retro, demum introflexis Ovaiium disco hypogyno decemangulan impositum ovatum 6—10-loculare, locuhs umovulatis, ovulis pendulis. Stylus stnctus cylindncus, sursum mcrassatus. Stigma obtusum. Bacca globosa carnosa brevis glabra 6—7—10-loculans, 3—8-sperma. Semma *»oJitana pendula oblonga. — Frulices Mexicani, Boreali-Ameiwani et California foljis alterms, racemis terminalibus brevibus, pedicellis ad basin bracteatis.

- ¹ *L> IIOOKTRI Klizsch 1 c 80 — *Ai bulns pungens* Hook u Arn — *Arcloslaphylo* llooktn* G Don — DL Prodr VII p 584 no 3 — In California
- [^] #D PUNGENS Kll/sch 1 c — *Auto\tai>hijos pungens* II B Knth — DC 1. c 584 no 4 — In Mexico
- ^l 'l> LORDIFOLIA kltzsch I c — *Aictostapht/loi cordijulia* Lmdl - DC 1 c 58B no 12 — \aobotiyi>/ cordifalms "Null Tiansacl of the Amenc phil soc. (New Ser) VIII 268 — In ora occid Amencac boro.ilis
- ⁴ 'D GLAUCA Kltzsch 1 c — *Arctostaphyln* glauca* Lmdl — DC Prodr I c 586 no *3. — \ciobohys> glaums Nult 1 c 268' — In California
- ⁵ D tLiNDLERIAJSA Kilzstli I c — (aule ereclo ramoso viscidulo ramulis bievibus ticcto-patentibus glutinoso-pubcmliis folns angusle obovatis paivis glauco-vindibus, undique praoserlim versus basin obsolete puberulis in petrolum attenuatis, apice roiundatis ratemis tummalibus ptntlulis folio mullo hrevionbus pauciflons bractea-^{tlis} calycibus albis glabns coiolla tnplo hrevionhus, lacinns laUs concavis oblusis toiolhs ovatis glabns, filamentis* extus pubesconlibus antheris fusco-violaceis an-«&is albis — Ramuli 2—3 poll longi Folia 8—10 lin longa ad basin lineam versus apicein 2'½ — 4 Im hta Racemi 4—6-flon. semipollicera longi Bracteae lineares folnceae convexae obtusae viscido-pubescentes patentes pedicollo longiores. Pedicelli bi evissjini, ad basin bibracteati — In Nova-Mexico

ft D PUMILA KÜzsch 1 c 81 — Humilis eicta glauca pubescens foln> obovatis obtusis inttgeriimis in pcliulum attenualis, «upia lucidis flonbus lorinimlibii& breviacemosis pedicellis ad basin bracteolis 2 obtusis instiuctis, corolla rUus pilosa anstis gracilibus longis hirtis flhmenlis basi <?pirsim pilosis, antheri duplo longjonus caljci-* lacinns cili ids — Aid ffa/i/n//os *jumila* Null Tmis of the Amric phil Sot (Fs<w Sci) VIII [» 2bb f — Fmtcx rdinosisbiinus, 6-pollicaiiM (aulis toies fusco - castaneus ghboi Kami ramulique pubescent* s Folia)unioia sublus pubescntn, deindo glabra Pdioli pubr&cenG* Floic& albi globoso-mtcmosi Co* lolla ovdi, limbo 5-denlalo ldlcxo Bncldc lincarc icdcxac — In ^ova Cahfoi mi propr Monloiey

7 D ACUTA Kii7stli I c SI — Humi%> crecta glaucd pubeiscens fohu> lanieolalobovatis brevisMinc atulis, in pelioluni aitcnuaUs, rlcinde glabns lioiibiib leimindlibii!> bievi-iaccmosjs pedicellis ad ba>m bracleoli^ 2 minulis instructis corolla mtu* pilosa, arislji* gincilibus longi> hirlis filamentis glabns — *Arcloslaphylos acuta* Nutt I c p 267 — A pi ion dilTii loins lalionbus, flonbus minonbiis ~~rubro-striatis~~ filamentis glabns — Cre&cii cum praecedente

B *Antherae bilobae oblongae, dorso apiceque 4 - anstatue, anstis erectis stnctis aut ransstme nulhs*

XXXIV PERHTETTYA Gaud.

(Df Prodi. VII 586 — Wlprs Reperl II 72b VI 41b, Annal I 478 — Kltzsch Linnaea XMV 82)

Caly\ hypogynus 5-partitus. Corolla globoso- aut o\ato-urceolata, limbo revoluta 5 - lobo. Stamina 10, incJusa libeia, fiamentis supra basin mciassatis, sursum altenuatis, glabns aut pilosis, anthers oblongis lectis, anticce ad apicem apeitis, loculis dorso in aristae 2 erectas stuelas excunentibus aut raiissmie mulicis. O\anum depressotilobo^um 5-loculare, loculis multiovulatis, disco hypogyno decemglanduloso, lanssime 5 - lobo cinctum. Stilus bre\is cylindncus. Stigma convexum subquinqvedntaUim. Bacca e\succa, calyce suflulta, 5-locularis, loculis polyspeimis Semina minula oblonga. — liuticuli Austrah-Amencani, ramosissimi, glabn aut plerumque in ramuli^ selosi, erecti aut procumbentes: folns parvis approximate persistentibus, alternis, ovato - oblongis serrato - dentatis, rarius integernmis; flonbus axillanbus solitams nutantibus; pedicellis bracteatis. A *Gaulthietiae* sectione flonbus solitams axillanbus pei anthesm tantummodo differt calyce 5-partito, net accieto, nee cainoso, nee 5-lobo

§. 1 *letrachaete* KL — Distus h>poe>nus 10-glandulosus. Anlheiae 4-anstatac

1 *P PUMILA Hook — DC Piodr MI |> 5% no 2 — Wipes Report VI 417 no 1

2 *P LEUCOLARPA DC 1 c p 5H6 no 3 cum \ai a ap — Gay, Floia Clnleiw IV p 353 no 5 — Kll/scb I c 83 — In (bile

3 *P. MICROPIIYLLA Gaudich — D(1 c 587 no 5 — (extl syn *PtincllyaemyisinxM* G Don) — In America ausraliou

4 *P POLPPIGII Khzscb I t 83 — (*Caullluuui Poemynq* DC I c p 593 no 13) — In Chile

5 *P PILOSA G Don — DC 1 c 587 no 7 — In Mexico

- h* 'P PHILLYHFAFrOLIA DC 1 c 587 no 8 — In Peruvia
- 7 *P PUNCTATA Kltzsch I c — *Aibulus* > *pnndata* Hook — DC I. c 583. no 17 — In < Inle a&l Conctplionem urbem
- H 'P FURrNS Kltz&ch I c — *Ailmtus?* *fin em* Hook — DC 1 c 583 no 16. — In Chile pi ope (onteptioms urbem
- 9 'P PIRPURPA G Don — DC 1 c 587 no 9 — In Peruvioe montibus
- 10 *P >EMLA¹NDII Df 1 c 587 no 11 — In Bolivia
- 11 P ANGUSTIK)UA Lindl Dot Regist (New Sci) Vol tab 63 — Hook Dot Mag tab 3889 — Kltzdi 1 c 83 — *Lrecla lamosa* ramulis minulissime pubeiuilis angulhtis folns linean-Janccolatjs muciomto-acuininais remote serratis glbnbs 1-neivns pt dicellis axillanlju* solitams millions, folio dimidio brevioubus glabnusculis nudis bast ima tmliini biacleolalis — Fruticulus sempervirens ngidus ereclus ramosus glaber Folia quam in *P phillyi caefolia* duplo minora et minus iigida Floies adhuc ininoics et pedicelli e bracteolis quibusdam erumpentes HOC per dimidiam longitudinem et ultn squamulis imbncaii — In Chile pi ope Valdmam
- U *P ANGUSTATA Bnth — Wlpris Repeit VI 416 no 1 — In Columbia
- 13 'P PARVIFOLIA Bnih — Wlprs Repeit VI 41b no 2 — In Columbia.
- 14 *P H LIPTICA DC 1 c 587 no 12 — In Peiuvn
- 15 'P RIGIDA DC 1 c 587 no 13 — In msula Juan Fernandez
- 16 *P. BUXIFOLIA Mail el Gal — Wlprs Report II 726 no 1 — In Mexico
- 17 'P (ILIARIS G Don — DC J c 587 no 10 — *Uaullhieria ciliata* Cham el Schldl — DC I c p 594 no 15 — In Mexico
- IS P HALLIANA kit/sch 1 c 84 — Fiuticulosa humilis iamosissima ramulis rugulosis glabri> spaisim «elosis, folns parvis oblongis conaceis cronulato-serratis, ulunque obtusiusculis petiolisque glabns, pedicellis remote glanduloso - hispidis, folio duplo bievionbus, infra medium biactea minima suffultis corollis ovatis glabns, Jacinus caljcinis glabns ovato-lanceolatis acutis, maigine puberulo-ciliatis anthers brevisnne 4-anstatis, baccis lugulosis — Folia numerosissima 4 lin longa, l'A — i^a/a lin lata, supra laete vindia. subtus fuscescentia reiiculaio-nenosa — In monte Pichincha
- 19 P CORIACCA Kltzsch 1 c 85 — Fiuticosa lobusta divaucato-ramosa ramulis angulanbus fusco-castaneis, sparsim setulosis folns ovalis cienato-serratis crassis lael<< virulibus oblusiusculis erectis, subtus convexis opacis, supra excavatis mtidis bievi-petiolatis. Oonbus in npice ramulorum densis nutantibus. pedicellis glanduloso-hispidis, folio subbievionbus. infra medium biacleatis corollis ovato-urceolalis, extus inlusque glabns calycis lacmns ovato-oblongis, margme sparsim glandulosis. - Folia crassoconacea 6-8 lin longa. 3-4 lin lata. Corollae 2 lin. longae - In America central.
- Cosla Rica
- 20 *P MUCRONATA Gaudich - DC 1 c 587. no 6 — Cap Horn, ad fretum Magellanicum usque ad Yaldmam
- 21 P SETIGERA Kltzsch 1 c 85 — Fiuticosa nana ramis teretibus divancalis glabna n.tidis, paUide fuscis ramulis dense setosis. folus ovalis obtusiusculis pnteritissimis. subindo reflexis conaceis supra atro-v.ndibus mud... subtus to^{TM<<~^TMA} elabns margme dentato-senat.s, dent.cul.s plus minusve ap.culat.s, flonbus cernu s, [>ed.r.li. IZ2s folio brev.or.bus. mfa medium bracteolatis calyces lac.n.is ovato-^{aC} ^{ia} I m, lunss,me cliaii GO. oil., angustis glabns - Ram. lamulique squalros^f FohaTe ln longa, 1^ - 3 bn lata. - In montibus altissim.s Costoncae Amencae centr

S 2 *Perandra* J Hook. Discus hypogynus 5-lobus. Antherae muticae.

- » -P TASMANICA Hook fil - Wlprs Ann.l bol I. 478 no 1 - In Tasmania
t **Speeles exelusM.**

PtRNPTTV* MVBSINITES G Don = LEBETANTHUS AMERICANUS Endl
^RNETTYA ^ < ^ E S G ^ C = GAULTHERIA MICROPHYLI A J Hook.

— **R FOLIA**

0 *Antherae muticae, loculis apice solutis acuminatis, poro apicali anticeque dehiscentibus*

XXXV. *EIYHYA* JYTHUS *Lour.*

(DC Prodr VII p 732 - Wlpis Repeit II 730)

- 1 K RETICULATUS Lindl — Maund. Tho Botanist tab 1 — DC 1 c. 733 no 2. — Nance, Dingnos pi. no\ Ausir Chin II 5 — Fiuctus nec baeca sed capsula ovoidca qmneloculais, loculicic 5-valvis, valvK sublignosis, < olumelln centrali placenlificia, inferno cum septis cob<ici<nto Semina plurma oblonga angulata recta vcl subarcu<U<i, testa cinnimomea, mitlro aicte adliacime — Peilmcic vidclur genus ad sectionem *Anduwwdcum*.

Tnbus III. *ANDROMEDEAE* DC. Prodr. VII. 588. - Kll/sdi
Linnaea XXIV. p. 17.

A. *Fdamenta apice deflexo-biaristata.*

XXXVI. *PIERI* 9 I). *Don.*

(DC Prodi VII 598)

Anlliac foinmimbus oblongis dclnscentos

B. *Antherarum locuh apice dorsoque in anstas 2 erectas
excurrentes*

WWII. *OAUI*iTHIKRIA *halm*

(DC Prodr. VII. 592 a 795 - Wlprs Hcperi II 727 VI 417. Annal I 479)

Calyx 5-lobus demum ampliatus plus minusvc baccatus.

- 1 G LINDENIANA Planchon m Van Houtte, Floie des serves V p. 501. d. c ic xylogr. — Pnxt fie Lindl Flow gard I 112 fig 79 — Ilamulis rubescentibus glabns; loins elhpticis (1'A—2 poll longis, dimidio Intis), basi acutiusculis, apice oblusiusculo apituhlis cronulato-seirulais glabernmis, supra nitidis viridibus, sublus pallidionibus, Icviter iibescentibus, basibus piloium mmuloium oaducorum puncliculais, racemis ad apices rnmulorum approximais (4—5), axillaiibus, folia suboequantibus, 6—10-llo-Iis. bisi biacieatis, biacleis ad basin pedicelloium lanciolali^ ciliatis eglndulosis, pedaellorum dimidium su|»eiantibus, biacicolis 2—3 minimis, infra medium pedicello- rum sparsis, pedicellis (3—4 bis) longjs. lore longioubus, pilli^ paucis glandulosis sparsis, calycis glabnusculti siellifoimis lacimis ovati» acutib, corollae (sicut calyx) albae, exiusglabrae inlus villosae ore angusto. lobis 5 acuiis bievibus, anstis antherarum 4 bievibus, ovano globoso 5-costato pubesconie, stjlo globro stamina snpejante, jncluso. — Venezuela.

f *leones addendae.*

- G. BKACTEATA G Don. — DC I c 59^ no 28 — Hook Dot Mag t 4461
G LES(IENAUULTIANA DC I c 593 no 7 - Wlpis Annal I 480 adn - Wght Spi- cil Neilgh II t 130

XXXVIII. ZESTOBIA *D. Don.*

(DC. Prodr. VII. 597.)

Calyx 5-partitus, post anthesin nec accretus nec carnosus.

C. *Antherarum loculi apice dorsoque in aristam erectam excurrentes.*

XXXIX. AVDROMEDA I.

(DC. Prodr. VII. 606.,- Wlprs. Report. II. 728. VI. 419, Aonal. I. 480.)

Corolla urceolaris. Capsulae loculi polyspermi.

XL. MEISTERIA *Sieb. Zucc.*

(Wlprs. Aonal. I. 479.)

Corolla campanulata. Capsulae* loculi oligospermi.

D. *Antherarum loculi apice dorsoque deflexo-aristati.*XLI. CASSINTO *D. Don.*

(DC. Prodr. VII. 610.)

Flores solitarii nutantes, 4—8-meri. Folia ericaeformia conferta.

E. *Antherarum loculi infra apicem dorsoque deflexo-aristati.*XLII. AFIOALEA *Kltzsch. mas. inedit.*

Racemi axillares folio longiores. Filamenta infra apicem conduplicato-inflexa.

F. *Antherarum loculi mutici.*XLIII. AMBCHAWIA *DC.*

(D& Prodr. Vn. 57a)

Antherae apice anticeque biporosae. Capsula ima basi calyci adnata.
II. 140

XLIV. DIPIYCOSIA *Blume.*

(DC. Prodr. VII. 591.)

Calyx 5 - fidus, calyculo e bracteolis 2 concretis compositis cinctus.

XLV. CASSANDRA *D. Don.*

(DC. Prodr. VII. 610.)

Calyx 5-partitus, basi bractealus. Pedicelli imiflori axillares secundi.

XLVI. OXYDISTRUIE *DC.*

(DC. Prodr. VII. 601.)

Calyx 5-partitus ebracteatus. Capsula pyramidalo-pentagona 5-loculans 5-valvis.

XLVII. IIEUCOTJIOK *D. Don.*

(DC. Prodr. VII. 601. — Wlprs. Repert. VI. 418, Annal. I. 480.)

Calyx 5-lobus. Capsula depresso-globosa 5-ocularis 5-valvis.

XLVIII. IIYOHUA *NutL*

(DC. Prodr. VII. 599. - Wlprs. Repert. II. 727.)

Calyx 5-lobus. Capsula 5-ocularis 5-valvis, suluris crassis dense conferminatis per dehiscenciam indivisis et valvulas supernumerarias inter valvulas veras conticientibus.

XLIX. TRITOHODOIV *Turcz.*

(Turczan. Flora [B. Z.] XXXI. 713.)

Calyx quinquepartitus. Corolla campanulata quindecimfida seu potius quinquefida, laciniis tridentatis, dentibus acuminatis, intermediis linearibus angustioribus. Stamina decem imae corollae adfixa, filamentis subulatis, ala angusta cinctis; antheris medio insertis bilocularibus, loculis apice bifidis in aristam inflexam desinentibus. Ovarium liberum quinqueloculare, ovulis in loculis pluribus, placentis centrabus affixis. Stylus filiformis; stigma simplex obtusum. Capsula_____? — Frutex ramosissimus: ramis glabris; foliis tempore florendi versus apicem ramulorum approximatis, cuneato-obovatis acutis crenulatis, ad nervos petiolosque rufo-hirsutis; racemis simplicibus rufescentibus hirtellis; calycibus ciliatis; corollis membranaceis (in sicco albis); filamentis hirtis.

1. * T. JAPONICUS Turczan. I. c. — Crescit in Joponia.

L. **PORTUSA** Nutt.

(Nutt. Transact, of the Americ. phil. soc. [New Ser.] VIII. 268.)

Omnia *Leucothōes*, sed antherae bifidae biporosae, dorso basin versus aristatae, filamenta glabra. Capsula globosa. Semina 6—10 in quovis Joculo oblonga, plana alata membranacea, longitudinaliter imbricata, hilo terminali. — Frutex sempervirens Boreali-Americanus: foliis coriaceis ellipticis ciliatis serrulatis; paniculis florum terminalibus; corollis ovato-cylindricis albis.

1. *P. **FLORIBUNDA** Nutt. I. c. — *Andromeda floribunda* Prsh. — Bot. Magaz. tab. 1566. — Botan. Regist. tab. 807. — *Zenobia floribunda* DC. Prodr. VII. 598. no. 3. — In Georgia.

LI. **ECBOTRY8** Nutt.

(Nutt Transact, of the Americ. phil. soc. [New Ser.] VIII. 269.)

Calyx quinquepartitus, ad basin bibracteolatus. Corolla cylindrico-subovalis, limbo reflexo 5-dentato. Stamina 10, filamentis planis lanceolatis globosis, antherarum circiter longitudine; antheris bifidis, apice quadriaestatis. Stylus filiformis, stigma truncatum subcapitatum. Capsula quinquelocularis quinquevalvis depresso-globosa, dissepimento medio. Semina minuta numerosa angulata piano-compressa. — Frutices Americae borealis deciduifolii: floribus albis racemosis; racemis secundis axillaribus simplicibus.

1. E. **RACEMOSA** Nutt. I. c. — *Glabriuscula*: foliis oblongis acutis vel acuminatis serrulatis; racemiis elongatis lateralibus; bracteis nullis vel deciduis. — *Lyoma racemosa* Don. — *Zenobia racemosa* DC. Prodr. VII. 598. no. 2. — A Canada ad Georgian! usque.
2. E. **BRACTEATA** Nutt. I. c. — Foliis glabris oblongo-lanceolatis coriaceis acutis serrulatis; racemis axillaribus terminalibusque bracteatis; bracteis linearibus. — In Florida orientali.

Ordo CXXVII. MENZIESIACEAE *Kitzsch.*(Kltzsch. *Linnaea* XXIV. p. 11.)

Gemmae foliiferae squamosae, florales nudaе. Folia densa, slerigmatibus instructa. Corolla gamo- aut pleiopetala regularis decidua. Antherae muticae, loculis basi et apice brevi-disjunctis, per rimam \erticalem usque in latus plus minusve longum dehiscentibus. Fructus septicido - capsularis.

I. BRYAHTTHITS *Gmel.*

(DC. Prodr. VII. 712.)

1. BR. ERECTUS Lindl. ft Pazton, Flow. Gard. I. p. 97. tab. 19. — Gaule ramoso erecto; foliis linearibus obtusis obsolete serratis; pedunculis pilosis; floribus solitariis corymbosis; sepalis aculissimis glabris; corolla campanulas acute quinqueloba, tubo omnino nullo; stylo longe exserto. — Habitat... ?

II. PHYIliODOCE *Salisb.*

(DC. Prodr. VII. 712.)

III. J>ABOECIA *D. Don.*

(DC. Prodr. VII. 713.)

IV. MKWMESIA *Sm.*

(DC. Prodr. VII. 713.)

V. IIOISBIIKURI. % *Dsvx.*

(DC. Prodr. VII. 714.)

VI. CLAI>OTHA19raUS *Bongrd.*

(DC. Prodr. VII. 732. ft 795.)

VII. KAIiSEIA *L*

(DC. Prodr. VII. 728.)

VIII. IIKIOPHYIIIIVM *Pers.*

(DC. Prodr. VII. 729.)

Ordo CXXVIII. RRODORACEAE D. Don.

(Kltzsch. Linnaea XXIV. 12. — ERICACEAE trib. IV. RIIDOREAE DC. Prodr. VII. 712.
[« p.]

Gemmae foliiferae et florales strobiliformes, tegmentis magnis instructae. Folia alterna. Corolla gamo- aut pleiopetala subirregularis decidua. Antherae muticae, loculis usque ad apicem conjunctis, vertice poro dehiscentibus. Pollinis granula fills viscidulis intertexta. Fructus septido-capsularis.

I. (XLIII.) A Z A L E A Dsvx.

(DC. Prodr. VII. 715. — Wlpre. Reperit. VI. 320, Annal. I. 481.)

1. A. RAMENTACEA Lindl. Journ. of the hortic. soc. IV. 291. jdn. (c. ic.) — Foliis pilosis planis subrotundis oblongisque oblusissimis; umbellis paucifloris ebracleatis: pedicellis ovariisque ramentaceis; floribus subcampanulatis pentandris; sepalis breviflyis lineari-oblongis, dorso nudis, apice flmbriato - ramentaceis. — Ad Hongkong.

f Icon addenda*

- A. GLAUCA Lam. — (DC. 1. c. 716. no. 2.) — Torr. Fl. of New York I. 439. f tab. 66.

II. (XLIV.) RHODODENDRON L

(DC. Prodr. VII. 19. — Wlprs. Reperit. II. 730. VI. 420, Annal. 1.481.— The Rhododendrons of Sikkim Himalaya. Being an account botanical and geographical of the Rhododendrons recently discovered in the mountains of eastern Himalaya, from drawings and descriptions made on the spot, durin a governemeni botanical mission to that country; by JOSEPH DALTON HOOKER. — Edided by SIR WILLIAM JACKSON HOOKER. (Second edition.) London 1849—1851. fol. c. tabb. 33. — On the climate and vegetation of the temperate and cold regions of East-Nepal and the Sikkim Himalaya mountains, by J. D. HOOKER, [in The Journal of the horticult. society of-Lonpon VII. 69—131.]

§. 1. Calyx nullus. Corolla late campanuiata decemloba. Stamina 18—20 "(vel rarius 10). Ovarium plerumque pilosum vel viscidum vel piloso-viscidum multiJocularare. — Arbores: foliis magnis; floribus albis vel pallidis dense aggregatis.

1. RH. FALKONERI Hook. fl. Rhodod. of Sikkim-Himalaya tab. 10 8: Journ. of the hortic. soc. VII. 76. — Van Houtte, Flore des serres V. tab. 477—480. — Arboreum; foliis maiimis coriaceis obovatisv. oblongis obtusis. crassissime petiolatis glabris.-supra nitidis. venis impressis reticulatis, infra dense ferrugineo-pubescentibus; florum pedunculis viscidis; floribus albis dense capitatis; staminibus 16; stylo crasso. stigmata late clavato. — Sikkim-Himalaya. elevatione 10,000 ped. ad apicem montis Tonglo.

- 2 RH ARGENTEUM Hook fl 1 1 c c tab 9 ft p 76 - Van Houtte, Flore des Serres V tab 473 474 475 476 — Arboreum foliis maximis obovatis oblongis acutis, in petiolum crassum attenuatis, utrinque glaberrimis, infra argenteis, capitulis laxiusculis 10-floris, florum pedunculis brevibus pubescentibus, flonibus albis late campanulatis, staminibus 10, ovario pubescente sub-16-loculari — Sikkim-Himalaya, elevatione 8—10,000 pedum, Sinchul, Suradah, Tonglo
3. RH. HODGSON! Hook fl. 1 1 c c. tab 15 ft p 76 — Elate fruticosum foliis latis ellipticis, obovatis v oblongis crasse petiolatis, intcidum basi subtordalis, supia glabris nitidis, infra argenteis adpressis pubescentibus, flonibus late campanulatis pullulis iuribus (fere roseis) 8—10-lobis, staminibus 16—18-nis, ovario pubescente 16-loculari. — Sikkim-Himalaya, elevatione 10—12,000 pedum

§ 2 Calyx cupuliformis, magis minusve latus profundusque obsolete lobatus. Corolla quinqueloba. Stamina 10—16. Ovarium 6—16-loculare. — Frutices: foliis glaberrimis; flonibus magnis.

- 4 RH. GRIFFITHIANUM Wght. — Wlprs Anna). I. 482. no 2 — Hook fl. Journ of the hort. soc VII 76 — Foliis longiuscule petiolatis ovalibus oblongis acutis, basi subcordatis, utrinque glaberrimis, flonibus paucis longo pedunculatis, calyce magno apertocupuliformi inaequaliter quinquelobo, corolla alba late tubulosa, patentissime quinqueloba, lobis 10-lobis, staminibus 12—18, ovario glanduloso 12-loculari — Rh. Aucklandu Hook, fl Rhodod of Sikkim-Himalaya tab 11. — In India orientali (Sikkim-Himalaya, elevatione 10000 ped ad Tonglo)
- 5 RH THOMSONI Hook fl 1 1 c c. tab 12. ft p. 77 — Fruticosum: foliis ad ramorum apices aggregatis orbicularibus v late oblongis. apice rotundatis v brevissime acutis, longiuscule petiolatis, basi cordatis, utrinque glaberrimis, infra glaucescentibus, capitulis 4—6-floris, flonibus saturate kermesinis nutantibus longiuscule pedunculatis. calyce cupuliformi subtubuloso inaequaliter lobato. corollae tubo longiusculo campaniforme, laciniis recurvatis crenatis, staminibus 10-nis, ovario glaberrimo 6—10-loculari. — Rh Candelabrum Hook. fl. Rhod of Sikkim-Himalaya tab 29 — Sikkim-Himalaya, elevatione 11—13,000 pedum

§. 3. Calyx pentaphyllus vel profunde quinquelobus. Corolla multifloris vel campanulata Stamina 10—18. Ovarium 5—6-loculare — Arbores vel frutices, nonnumquam pseudoparasitici: foliis saepe lepidibus minutis adpersis.

- 6 RH DALHOUSIAE Hook fl 1 1. c c lab 1. ft 2 ft p 77 — Van Houtte, Flore des serres V. tab. 460—468 — Frutex gracilis (pseudoparasiticus) foliis junioribus longe pilosis, adultis elliptico-obovatis obtusis, supra glabris, infra glaucescentibus lepidibusque minimis adpersis, basin versus in petiolum pilosulum attenuatis, flonibus 3—5-nis capitatis nutantibus, lobis oblongis obtusis, margine pilosis, corolla latissime campanulata (candidissima), lobis 5 modice patentibus staminibus 10 ovario 5-loculari.— In truncis Magnoliarum Quercuumque, Sikkim-Himalaya, elevatione 7000—9500 pedum
7. RH. EDGEWORTHII Hook fl. I 1 c c lab 21 ft p 77 — Frutex saepe epiphytus. ramulis, petiolis, pedunculis, capsulis foliisque subtus dense ferrugineo-villoso-tomentosis; folis sublonge petiolatis elliptico-ovatis acutis v acuminatis subconatis rugosoreticulatis, basi obtusis. supra nitidis, margine lecurvis pedunculis 2—3-nis terminalibus, ab innovationibus lateralibus, flonibus speciosis albis, calycis amplius quinquepartiti lobis foliaceis oblongo-obovatis inaequalibus lanuginosis ciliatis, corollae tubo breviusculo late campanulato, limbi maximi lobis rotundatis venosis crenato-undulatis. staminibus 10-nis exsertis, filamentis inferne villosis, antheris elongatis, ovario dense tomentoso 5-loculari capsula oblongo-cylindrica recta obtusa, valvis lignosis — Sikkim-Himalaya, elevatione 7—9000 pedum.

8. *RH. BARBATUM* Wall. Catal. 767. — Hook. f. Mngaz. tab. 4381. — DC. Prodr. VII. 721. no. 3. — Hook. fl. I. 1. c. c. tab. 3. ft p. 77. — Van Houtte. Flore des serres V. tab. 469.-472. — *Arbuscula humilis*: foliis ellipticis lanceolatisve aculis, basi obtusis; petiolis crassis longe SPiosis, ulrinque glaberrimis, infra pallidioribus; floribus dense capitalis pallide rubricis (intense roscis); pedunculis brevibus; sepalis oblongis obtusis viscidis; staminibus 10-nis; ovario viscido pilosoque 5—8-Ioculari. — *Rh. landfolium* Hook. fl. c. tab. 4. — Sikkim - Himalaya elevatione 10,000 pedum, in summo apice Tonglo.
9. *RH. CILIATUM* Hook. fl. 1. 1. c. c. tab. 24. ft p. 77. — Frutex humilis rigidus: ramis Ibligeris pedunculisque rigide pilosis; foliis breviter petiolatis ellipticis obovatisve acutissimis, supra pallide virentibus, margine costaque media rigide patentissime pilosis, infra pallidioribus glaucescentibus lepidibus parvis (orbicularibus) adspersis; floribus 4—5-nis aggregatis pallide purpureis breviter crasseque pedunculatis; sepalis late ovatis obtusis, ad marginem ciliatis; corollae campanulatae laciniis patentibus recurvatis; staminibus 10-nis; ovario squamuloso 5-loculari. — Sikkim - Himalaya elevatione 9—10,000 pedum.
10. *RH. GLAUCUM* Hook. fl. 1. 1. c. c. tab. 17. ft p. 78. — Frutex humilis gracilis: ramulis foliiferis, pedunculis, foliorum pagina utraque, calycibus et ovario lepidibus parvis adspersis; foliis obovatis v. lanceolatis mucronatis, in petiolum gradientibus attenuatis. supra pallide viridibus. infra glaucissimis; floribus 6—8-nis capitalis pallide rosaeo-purpurascens (pale pink - purple): sepalis oblongis acutis; corolla campanulata, glandulis parvis adspersa, ad basin intus hirsuta: staminibus 10-nis; ovario 5-Ioculari. — Sikkim-Himalaya elevatione 10—12,000 pedum (Chola Lachen etc.)
11. *RH. PUMILUM* Hook. fl. I. 1. c. c. tab. 14. ft p. 77. — Fruticulus humilis laze ramosus: ramulis, foliis subtus, petiolis, pedunculis, calycibus ovarisque lepidotibus; foliis parvis breviter petiolatis late ellipticis coriaceis apiculatis, superne glaberrimis, subtus praecipue glaucis; pedunculis solitariis v. 2—3-nis elongatis erectis striatis; flore inclinato; calycis lobis ovatis obtusis: corollae roseae campanulatae ezus pubescentis tubo elongato, limbi lobis brevibus rotundatis integris; (staminibus 10 inclisis, filamentis rectis basi hispidis; stylo rectiusculo, stigmatate capitato); capsula in pedunculo magis elongato erecta ovaia quinqueloculari, calycem persistentem multoties superante. — Sikkim - Himalaya.

§. 4. Calyx parvus vel nullus." Corolla campanulata vel infundibuliformis. Stamina 10. Ovarium 5—10-loculare. — Frutices vel arbusculae plerumque glabri.

^{13*} *RH. ARBOREUM* Sm. — DC. 1. c. 720. no. 1. — Wlprs. Repert. VI. 402. no. 2. Annal. I. 482. - Wght. Illustr. of Ind. bot. II. tab. 140. ft Spicil. Neilgherr. II. tab. 131. — Hook. fl. Journ. of the hort. soc. VII. p. 78. — Bot. Regiat. tab. 800. — Hook. Exoi. Flor. tab. 168. — *Arboreum*: folds maiime coriaceis lanceolatis acutis, basi cordatis v. in petiolum crassum attenuatis, supra laete virentibus, infra impresse venoso-reticulatis glabris argenteisque v. ferrugineo-pubescentibus; floribus dense capitatis; calyce nullo; corolla campanulata alba, rosea v. sanguinea; staminibus 10; ovario 7—10-loculari. — *Rh. puniceum* Rxb. Flor. Indie. II. 409. — *Rh. Campbelliae* Hook. fl. Sikkim Rhododendr. tab. 6. — In omnibus Himalayae montibus,

13. *RH. NIVEUM* Hook. fl. Journ. of the hort. soc. VII. 78. — *Arbuscula*: ramulis foliiferis, foliis subtus pedunculisque densissime albo-lanatis; foliis obovatis v. lanceolatis obtusis v. acutis, breviter petiolatis, supra glabris opacis; pedunculis brevibus: capsulis brevibus pubescentibus 6-locularibus. — Sikkim-Himalaya.

¹⁴ *RH. CAMPANULATUM* D. Don. — DC. 1. c. 721. no. 5. - Paxton, Magaz. of bot. XVI. 193. (c. ic.) — Hook. fl. 1. c. p. 78. — *Rh. Wallichii* Hook. pi. Rhodod. of Sikkim Himalaya tab. 6. — *th. aeruginosum* Hook. fl. 1. c. tab. 22.

- 45 RH FULGENS Hook fil I 1 c c tab 25 ft p 79 - Fruticosum. a praecedente divisum (loribus dense capuatis intense sanguineis, IIIIS *llh aihoi*et snillimis capsulae laiori eleganter purpurea — Sikkim - Himalaya elevatione 12—14 000 pedum
- 16 RH LANATUM Hook 01 1 1 c c lab 16 a p 79 — Arbuscula parva ramis florifens petiolisque cum foliorum pagina inferiore ovarioque dense albido-lanalis folus obovatis obtusis cum apiculo brevi, in petiolum brevem attenuatis floribus 6 — 8-nis in capitulum laxum aggregatis nutantibus pedunculis longiusculis calycis dentibus 5 brevibus obusis, corolla late campanulas pallide straminea, mtus purpureo-maculata, staminibus 10-nis. ovario 5-loculan, — Sikkim Himalaya, elevatione 10—12000 pedum ad Chongn ft Chola
- 17 RH WIGHTII Hook III 1 I c c tab 27 ft p 79 — trutex magnus ramosus folus ellipticis lanceolatisque acuis, basin versus in petiolum crassum pubescentem attenuatis, supra glabris laeteque vnidibus, infra adpresso rubicundo-puberulis capitulis magis laxiusculis multifloris pedunculis pubescentibus, calycis dentibus 5 minimis, corolla late campanulata quinqueloba (*at the base*, sed in icone citata *apice quinquepartita* delineatur) staminea, mtus supra rubro-maculata, staminibus 10, ovario glanduloso pubescente 10-loculan — Sikkim-Himalaya, elevatione 12—14,000 pedum
- 18 RH CAMPYLOCARPUM Hook fil 1 1 c c tab 30 ft p 79 — Fruticosum ram* gracibus folus ovatis v oblongis obtusis, breviter apiculatis, basi cordatis, supra glabris midis, infra pallidioribus glaucescentibus, petiolis gracibus cum florum pedunculis, calycibus ovarisque glanduloso-pilosis floribus nutantibus 5— 10-nis laxe capitatis calycis lacinis 5 parvis rotundatis, corolla late campanulata, lobis patentibus candida v pallide straminea, staminibus 10, ovario 5-loculan, (capsulis valde arcuatis cylindratis angustis glanduloso-pilosis) — Sikkim-Himalaya, elevatione 10—14,000 pedum
-
- § 5. Calyx 5-dentatus, dentibus lacinnisve brevibus, superiore nonnumquam longior. Corollae infundibuliformis tubus angustus Stamina 10—20 Ovarium 5—10-loculare — Frutices: folus subtus lepidotis.
- 19 RH MADDENI Hook fil 1 1 c c tab 18 ft p 79 — Erectum ramis virgatis, ramulis foliosis, pedunculis, foliorum pagina inferiore, calycibus ovisque dense lepidotis, lepidibus etiam supra corollae tubum dispersis, folus ellipticis lanceolatisque, utrinque acutis, supra lacte vnidibus nitidisque, infra ferrugineis, floribus nutantibus albis maximis, 2—3-ms. breviter pedunculatis, corollae tubo elongato, lobis 5 patentibus. staminibus 18—20 ovario 10-loculan — Sikkim-Himalaya, ad Choongtam, elevatione 6000 pedum
- 20 RH CINNABARINUM Hook fil 1 1. c c tab 8. ft p 80 — Fruticosum, graciliter ramosum folus subius, pedunculis, calycibus ovisque lepidibus parvis conspersis, folus ovatis v oblongis lanceolatis, utrinque acutis, supra opacis vnidibus, mfi a ferrugineis floribus parvis nutantibus 4—8-nis aggregatis laxe capitalis, calycis lacinnis magnitudine varus, corolla cinnabanna, tubo longo, lobis rotundatis patentibus acutiusculis. staminibus 10-nis. ovario 5-loculan. — *Rhod Roylei* Hook, fil Rhod of Sikkim-Himalaya lab. 7 — Sikkim - Himalaya

§ 6 Calyx quinquelobus Corollae tubus brevissimus lurgidus, lobis patentibus concavis Stamina 8—10 Stylus brevis curvatus Ovarium quinqueloculare. — Frutices plerumque humiles, interdum pseudoparartic Folia (exceplo *Rh. pendulo*) dense lepidota.

- 21 RH MUCRONULATUM Turcz Bulletin de la societe' imp des natural de Moscou XXII 585. (Flora [B Z] XXXI p 713) — DC Prodr VII 727 no 38 — Frutex ramosus glabris cortice ramorum cinereo, altius subrubent Ramuli novell punctis mtentibus

obsili, gemmae fusco - rufescentes. Folia alterna viridia, sublus pallidiora, roargine revolma, a medio ad apicem obsolete et romolo serrulata repandave, utrinque ad lentem punctuln acuta, nervo medio parum excurrente mucronulatu penninervia, venis marginera non attingentibus anastomosantibus. Pedunculi breves uniflori dense punctati, basi gemmis imbricatis tecli, sub flore parum incrassati. Calycis dentes obsoleti. Corolla campanulata puberula, colore *Rh. Dahurici*, sed paulo minor. Stamina exserta, filamentis glabris filiformibus. antheris subrotundo-ellipticis, apice poro fere circulari dehiscentibus. Stylus stamina parum excedens. stigmale subcapitato nigricante. Capsula (immatura) prismatico-pentagona quinquelocularis, seminibus scobiformibus. — China.

22. RH. MICRANTHUM Turcz. 1. cit. 586. — (Flora [B. Z.] XXXI. 713.) — DC. 1. c. 727. no. 29. — Frutex apice ramosus. conice fusco-rubente; rami puberuli. gemmae rufescentes. Folia alterna lanceolata, basi cuneata, in petiolum attenuate, obtusa* vel nervo medio excurrente calloso - mucronulata, margine revoluta integerrima, vel vix obsolete repandula, obscure penninervia, reticulata, supra parce punctata, subtus punctis ferrugineis densis obsita. Racemi (nee corymbi, uti forsitan calami lapsu dixi) axillares multiflori, pedicelli floribus multo longiores, basi reliquiis bractearum suffulti, dense punctati. Flores in genere parvi, illorum *Kalmiae glaucae* paulo minores. Calyx breviter quinque-dentatus. Corolla campanulata quinqueloba alba glabra, laciniis dorso crebre ferrugineo-punctatis. Stamina decem exserta, filamentis glabris filiformibus, basi vix dilatatis, antheris subrotundo-ellipticis, apice poro fere circulari dehiscentibus. Stylus filiformis, longitudine staminum, apice incurvatus, stigmatibus obtuso simpliciusculo. Ovarium quinqueloculare, loculis multiovulatis, ovulis oblongis. Capsula deest. — China,

23. mi. CAMELLIAEFLOREM Hook. fl. 1.1. c. c. tab. 28. ft p. 80. — Frutex pseudoparasiticus gracilis, plerumque ex ramis arborum pendulus: ramulis floriferis, petiolis, foliorum pagina inferiori, calycibus ovarisque dense lepidosis; foliis ellipticis lanceolatis, apice acutis, basi obtusis, supra laete ferrugineis, infra brunneis breviter crasseque petiolatis; floribus solitariis vel geminis breviter curvatoque-pedunculatis; sepalis crossis obtusis; corolla (ampla) alba crassiuscula, lepidota; staminibus 16, filamentis brevibus crassis; ovario 10-loculari. — Sikkim-Himalaya. elevatione 9—11.000 pedum e Pinibus pendens.

24. RH. PENDULUM Hook. fl. I. c. tab. 13. ft p. 80. — Frutex gracillimus pseudoparasiticus, plerumque ex ramis arborum dependens: ramulis foliigeris, pedunculis. calycibus ovarisque ferrugineo-lanatis lepidosisque dispersis intermixtis; foliis ellipticis obtusis cum acumine brevi. brevissime petiolatis, supra laete viridibus nitidisque. sublus fulvo-tomentellis; floribus geminis parvis albis; sepalis membranoceis oblongis obtusis; corolla cxtus parce lepidota, tubo brevi, lobis magnis patentibus; staminibus 10, filamentis lanatis; ovario 5-loculari. — Sikkim - Himalaya, elevatione 9—10,000 pedum pendens ex Abietibus Webbiana ft Brunoniana.

*. RH. LEPIDOTUM Wall. — DC. 1. c. 724. no. 22. — Hook. fl. Journ. of hort. soc. VII. 80. — *Rhod. salignum* Hook. fl. Rodod. of Sikkim-Himal. tab. M. — *Rhod. elaeagnoides* Hook. fl. I. c. tab. 23. B. — *Rh. obovatum* Hook. fl. 1. c. p. 6.

- to. RH. VACCINOIDES Hook. fl. 1. c. pag. 3. f et Journ. of the hort. soc. VII. p. 81. - Fruticulus interdum pseudoparasiticus gracillimus. parce ramulosus; ramis vagis, ramulis foliosis. pedunculis foliisque obtusis parce lepidosis; foliis conaceis obovatis obtusis vel crenatis in petiolum brevem angustatis. supra glaberrime laeteque virentibus. in Antheris terminalibus graciliter pedunculatis: sepalis ovatis obtusis; corollae tubo brevi. tubo piloso, tubo, lobis patentibus rotundatis; staminibus 10 exsertis, filamentis pilosis; ovario 5-loculari. — Sikkim-Himalaya.

§. 7. Calyx breviter quinquelobus. Corollae tubus brevis infundibuliformis, laciniis longis angustis patentibus. Stamina 8. Stylus gracilis.

Ovanuin quinquoloculaie — **11 ulic till** lepidoli: flonhus ilhs *Azaleurum* similhmis.

it. RIJ. VIRGATUM Hook, fl 1 c 1 c t 26 A ct p 81 — Fruticosum gracile erectum ramis foliosis, pcduntulis, foliorum pagma mfera, cañcibus ovai usque dense Iepidotis, folns lineanbus oblongis vel ovatis acutis vel ohtusis cum apiculo brevi, basi rotundatis corddtisve, breviter petiolaus, supra lacte vmdibus nitidisque, infra glaucis interdumque ierugineis flonbus 2—3 - ms aggregatis nutaniibus, longuisculo pedunculatis, luteis pallideque purpurascenlibus, calycis lacmiis rotundalis ciliaris, corolla magnitudine vana, tubo bievi comco, lobis 5 oblongis obtusis, staminibus 8—10 ovatio 5-loculan — *lihod tnjlorum* Hook. Ill Rliod Sikk. Innal tab 19 — SikkurirHimalaja. elcvatione 8—9000 pedum

28 *RH SLTOSUM Don.— DC I c 724 no 20 - Hook, fl 1. 1. c c, tab. 20 et p. 81.

29. RH NIVALE Hook fl. I i. c c lab 2b B ft p. 81 — Fruticulus humilis depiessus pioslratus, caule ramisquo hgnosissimis. undique (excepta coiolla) lopidoius folns approximate minimis elliptiris obtusis subsessilihus, lunde vindibus, flonhus leuninalibus soJjtaius hie\issime pedunculatis, sepalis 5 oblongis obtusis, coiolla losea, tubo brevi&simio, mtus piloso, lobis oblongis obtusis, staminibus 8—10, anthem magnis, ovano 5-loculan — Sikkim-Himalaya, elevatione 16—18,000 pedum.

§. 8 Cal>cis sepala 5 memfranacea. Corolla liypocratenmorpha, lulio gracili brevi c>lindnco, lobi& planis palentibus Stamina 6—8, a lubo corollmo inclusa Stylus bicvis. 0 van urn quinqueloculare.

30 *RH ANTHOPOGON Don - DC 1 c 725. no 30 - Hook fl Journ of the hortic. soc. VII 82

31 RH.JASMINIFLORUM Hook Dot. Magaz. lab. 4524. —Paxt. a Liodl. Flow, gard I 96 iab 70 — Glabrm folu* brevitei petiolatis oblongo-obovatis acutis, umbella multiloia calyce nano qumquelobo toiollae (albae) hypociateufoimis lubo elongato siiiclo. basi vix gibbo, limbo aequali, lobis patcniibus obovaiis uudulalis, ovauro cylindraceo lepidoto, flilamctii. slyloque pubescentibus — In peninsula Mnlaccensi

t **Iomea addendae.**

UH BROOKEALNUM LOW, — Van Hoiitlc, Floie des semes V 480.c c. ic xylogr.

RH fAMTSCHATICUM Pall — I indl a Paxt Flow gaid I. 113 tab 22. (sub *Jihodothamno*)

RH. FORMOSUM Wall — DC I c 721 *no 2 — Morien, Annal de la soc. d'agnc de Gand V 329. tab. 273 — Hook. Bot. Mag tab 4457

RH GRACILL Low. — >an Houtte 1. c V 480*1 c ic xylogr

RH. JAVANICUM Renet. — DC. 1. c 721. no b - Wlpis. Ann I. 482. - Paxt. Mag of bot. XV. 217 (c. ic)

RH LONGIFLORUM Low. — Van Houtle 1. c. V. 480.f c ic xylogi

RH. NILAGHIRICUM Zenkei. — Hook Dot Mag t 4381

RH. ROLLIBONII Lindl. — Paxl a Lindl Flow. gard. I. 33 t 7

RH VERTICILLATUM Low. — Vau Houtle 1. c. V 480.e c. ic. xjlogr

XLVIII. *LEIBUITI* Linn.

(DC Prodr VII 730)

- 1 L *GLAUCODULOSUM* Milt Transact of the Americ phl soc (New Ser) VIII 270*) — Fructus calvus rugidus foliis ellipticis internis petiolo unico olivaceo sed mucronatis Juncis petiolatis utrinque globosis multifloris punctulatis, capsulis globosis — Rocky mountains

XLIX. *REFARIA* Mutts.

(DC Prodr VII 731 — Wlpr Rppert II 730. VI 420, Annal I 482)

- 1 B *CINNAMOMEA* Lmdl Gard Chron 1848 pag 175 — Van Houtte, Flore des serres IV p 327 d adnot — Ramis tomentoso - hispidis, foliis leviter supra tomentosis, infra dense ferrugineo-lanatis, floribus in paniculis densas terminates dispositis. quarum pedicelli hispidi calycesque dense lanati — In Andibus Coxamarca, elevatione 8000 pedum
- 2 B *COARCTATA* Hook Bot Mag t 4433. — Van Houtte. Flore des serres (V. tab 332 — Paxt 8c Lmdl Flow gard I 83 tab 17 f — Ramis junionibus, pedicellis, calycibus petiolis costisque sulcis fuscis lanosis foliis elliptico-oblongis acutiusculis plumis; subtus glaucis racemis densis pedicellis floribus, stylis stamina aequantibus — In Peruvia Andibus

t *Leones adilendae.*

- B *ABSTUANS* Mut — DC I c 731 no 6 — Van Houtte. Flore des serres IV i. 332 — Paxt a Lmdl Flow gard I 85 (c ic)
- B *LINDLIANA* (?) — Paxl a Lmdl I c 84 (c. ic)

*) *Ledodendron* Nutt — Capsula subglobosa. Filamenta basin versus hirsuta. Stigma ariulatum quinquelobum Flores umbellati aib

Ordo CXXIX. CLETHRAGEAE *EUsseh.*(Kltzsch. *Linnaea* XXIV. 12.)

Gemmae foliiferae et florales tegimentis destitutae. Folia alterna. Corolla profunde partita aut pleiopetala regularis decidua. Antherae primum retroflexae, demum introrsae, erectae et obcordatae, antice ab apice in poros rimaeformes dehiscentes. Stigma bi — trifidum. Fructus loculicido-capsularis.

I (4320). *CLIKTHRA Grlnr.*

(DC. Prodr. VII. 588. - Wlprs. Repert. II. 726. VI. 417, Annul. I. 479.)

Ordo CXXXII. PYROLACEAE *Limit*

(DC. Prodr. VII. 772. - Wlprs. Report. H. 734. VI. 437.)

I. *PIROLA Salisb.*

(DC. Prodr. VII. 772.)

1. *P. ELATA* Nutt. Transact, of the Americ^T phil. soc. (New Ser.) VIII. 270. f — Foliis rotundalis vel ovalibus obfasis, basi altenualis crenulatis, longitudine petioli; stipulis longis inaequalibus acuminatis; scapis angustibus chuis; calycis laciniis lanceolatis acutis; corolla patente; stigmate quinquelobo. — Flores lacte rosei fragrantis. — Oregon.
2. *M. SECUNDA* L. — DC. I. c. 774. no. 12. — Nutt. I. c. 271.
Y« Foliis rotundato-ovatis minute crenulatis obtusis. — Oregon.

II. *MONESSES Salisb.*

(DC. Prodr. VII. 774.)

1. *M. RETIGULATA* Nutt. Transact, of the Americ. philos. soc. (New Ser.) VIII. 271. f — Foliis rotundato-ovatis dentatis reticulatis et prominulo-venosis; calyce ciliato; antheris namentorum longitudine. — *Pyrola uniflora* Hook. Fl. -Boreal. Am. II. 45. — Oregon.

III. *CHMAPHILA Prsh.*

(DC. Prodr. VII. 775.)

1. * *CH. MACULATA* Prsh. — DC. I, c. no. 2. — Torr. Fl. of New York. I. 455. + tab. 70.

Ordo CXXXIII. MONOTROPEAE *Nutt.*

(DC. Prodr. VII. 779. - WJprs. Repert. VI. 437.)

II. SCHWEIJKIA *Ell.*

(DC. Prodr. VII. 780. - A. Gray, *Chloris Boreal. AmeriC. I. 15. tab. 2.* - *Flora [R. 71 XXXII. 693.]*)

. Calyx pentasepalus marcescens, sepalis carinato-coriaceis, basi vix b.gibbosis. Corolla campanula persistens, breviter quinqueloba carnosula, basi quinquegibbosa, lobis ovatis patentibus. Stamina decem

introrsum affixae (in alabastro non reversae), didymae biloculares, loculis sacculiformibus, vertice foramine amplissimo hiantibus. Pollen simpliciter Ovarium subglobosum, basi disco hypogyno decemcrenato, dentibus staminibusque alternantibus, cinctum, quinqueloculare, loculis multiovulatis; stylus brevis crassus; stigma pentagonum leviter quinquecrenatum umbilicatum. Capsula . . . ? - Rhizophytum hypopityoideum humile badium glaberrimum; floribus consimilibus spicatis, odorem *Violae spirantibus*-corolla carnea. 1 0 ,

1. SCHW. ODORATA *Ell.* - DC. 1. c. - A. Gray I. c. 15. f. tab. X.

III. HYPOPITYS *Dill.*

(DC. Prodr. VII. 780.)

1. *II. (MONOTROPA *Michx.*) LANUGINOSA *Nutt.* - DC. 1. c. 781. no. 3. - Torr. *Flor. of New York I. 457. f. tab. 72.*

IV. MONOTROPA *Nutt.*

(DC. Prodr. VII. 781. — WJprs. Repert. VI. 437.)

1. *M. UNIFLORA *Linn.* — DC. 1. c. no. 2. — Torr. *Flor. of Newark. I. 456. f. tab. 71.*

LIPSIAE, TYPIS .! S. WASSERMANNI.

In (Ieinselben Verlage ist ferner erschienen:

Reichenbach, Ludov., — Icones florae Germanicae et Helveticae, simul Pedemontanae, Istriacae, Dalmaticae, Hungaricae, Transylvanicae, Borussicae, Holsaticae, Belgicae, Hollandicae, ergo *mediae Europæae*, exhibens nuperrime detectis novitiis additis, collectionem compendiosam ijnaginum characleristicarum omnium generum atque specierum, in 4°.

<i>Index:</i>	<u>Cum lab. aeneis.</u>	<u>Color.</u>	<u>Schwarz.</u>
Vol. . Agroslographia. Editio secundo. 121.	Thlr. 18. —	Thlr. 10. —	
„ II. Tetrodynamae 	v. 102.	„ 15. 9.	„ 8. 10.
„ III. Papaveraceae, Violaceae, Cistiflorae & Ranunculacearum pars I.	106.	„ 15.27.	„*, 8.24.
„ IV. Ranunculacearum pars II. ^ . . .	82.	„ 12; 9.	„ 6;20:
„ V. Rutaceae, Sapindaceae, Malvaceae, Geraniaceae et Caryophyllacearum pars I	102.	„ 15. 9.	„ 8. 10.
„ VI. Caryophyllacearum pars II, Tiliaceae, Lineis, Hypericineae . . .	124.	„ 18. 18.	„ 10/10. ^
„ VII. Zosteraceae,» Potamogetoneae, Nymphaeae	72.	„ 10.24.	„ 5.25.
„ VIII. Cyperoideae	126.	„ 18.27.	„ 10. 15.
„ IX. Typhaceae, Iri^eae, Narcisseae et Juncaceae	100.	„ 15. — ;	„ 8. 10.
„ X. Snrilaceae et Liliaceae	102.	„ 15. 9.	„ 8.10.
„ XI. Coniferae, Taxineae, Santalaceae, Thymeleae et Salicineae	100.	„ 15. —M»	„ 8. 10.
„ XII. Amentaceae, Urticeae, Aristolochiaceae, Dipsaceae et Valerianeae	111.	„ 16.20.	„ 9. 6.
11 11111 Orchideae	170.	„ 25.15.	„ 14. 5.
» AIV.3			
„ XV. Xompositae.			

Das Werk ist mil lateinischem Text. Eine deutsche Uebersetzung ist für die wohlfeile, halbcolorirte Ausgabe (welche in Decaden it 16 Sgr. er scheint) bestimmt, wird aber auch auf Verlangen zu der grossen Ausgabe in 40 geliefert.*

Visiani, Rob. de, — Flora dalmatica, sive enumeratio stirpium vascularium, quas hactenus in Dalmatia lectas et sibi observatas, descripsit, digessit, rariorumque iconibus illustravit. 4°.

Vol. F. cum tabulis aeneis 25. Col. Thlr. 6. 20 Ngr. Schwarz Thlr. 4. —
 „ II. „ „ •! 27. „ „ 6. 20 „ „ „ 4. —
 > Hi. „ „ > 4. „ „ 7. 12 „ „ ii ii #. ****.

Hofmeister, Wilh., — Die Entwicklung des Embryo der Phanerogamen. Eine Reihe mikroskopischer Untersuchungen. 4°.
 10 Bgn. Text a 14 Kupfertafeln Thlr. 2. 28 Ngr.

Hofmeister, Wilh., — Vergleichende Untersuchungen der Keimung, Enifaltung und Fruchtbildung höherer Kryptogamen (Moose, Farne, Equisetaceen, Rhizocarpeen und Lycopodiaceen) und der Samenbildung der Coniferen. 4°. 23 Bgn. Text und 33 Kupfertafeln Thlr. 5. 10 Ngr.

Poeppig, Dr. Ed., — Nova genera ac species plantarum. quas in regno Chilensi, Peruviano et in Terra Amazonica legit et assumpto socio Dr. *Steph. Endlicher* descripsit, iconibusque illustravit. In 3 Centuriis mit 300 Tafeln in Gross-Folio. 1835 — 1845.

Centuria I.	mit 100 Tafeln,	in 10 Decaden.	Schwarz.	à 2 Thlr.	20 Thlr.
			Colorirt.	à 4 „	40 —
„ II.	„ 100 „	„ 10 „	Schwarz.	à 2 „	20 —
			Colorirt.	à 4 „	40 —
„ III.	„ 100 „	„ 10 „	Schwarz.	à 2 „	20 —
			Colorirt.	à 4 „	40 —

