

SYNOPSIS

PLANTARUM PIANEROGAMICARUM COROUIFLORARUM, MONOCILA-MYDEARUM ET MONOCOTYLEDONEARUM

OMNIUM

PER ANNOS 1848, 1849, 1850 DESCRIPTARUM.

VICTORIAE

GUILIELMO GERARDO WALPERS,

PHILOSOPHICAE DOCTORE, BOTANICEN IN UNIVERSITATE REGIA FRIDERICAE 011-
1, I. F. L. M. H. KROLINKSI PRIVATIM DOCENTE, ACADEMIAE CAESAREAE LEOPOLDINAE
IMPERIALE NATURALI HISTORICAE SOCIETATIS REGIAE HAVVICAE BOTANICAE
HABITANS, SOCIETATIS SILESIACAE CULTURAE PATRIAE STUDIOSAE
MEMBER, ETC. ETC.

LIPSIAE.

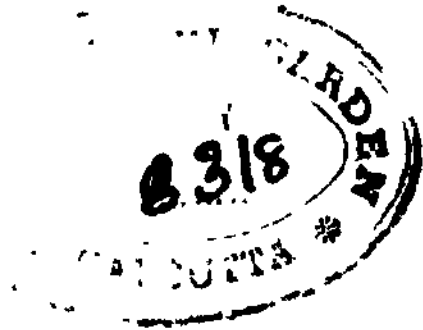
SUMIBUS AMBROSII ABEI.

1852—1853.

IMALES BOTANICES SYSTEMATICAE.

|| LITUR

GUILIELHO GERARDO WALPERS.



TOM. IIS -III.

LIPSIAE.

SUSITIBUS ANDROSII ABEL.

1852-1853.

**Si quid nOMSti rectius istis,
Cm<hi> imperil, si non, his uicic mccum**

ANNALES BOTANICES SYSTEMATICAE.

TOMUS III

SYNOPSIS

PLANTARUM PLANEROGAMICARUM COROLLIFLORARUM, MONOCHLA- MYDEARUM ET MONOCOTYLEDON- NEARUM

OMNIUM

PER ANNOS 1848, 1849, 1850 DESCRIPTARUM.

WCTOHK

GUILIELHO GERARDO WALPERS,

PHILOSOPHAE DOCTOR, BOTANICEN IN UNIVERSITATE REGIA FRIDERICI GUIL-
IELMI UKROLINENSI IMVATIM DOCENTE, ACADEMIAE CAESARICAE LEOPOLDINAE
CVHOLINAE NATURAE CURIOSORUM, SOCIETATIS REGIAE DAVANICAE BOTANICAE
RATISBONENSIS, SOCIETATIS SILESIAE CULTURAE PATRIAE STVDIOSAE
SODAM, ETC. ETC.

LITISIAE.

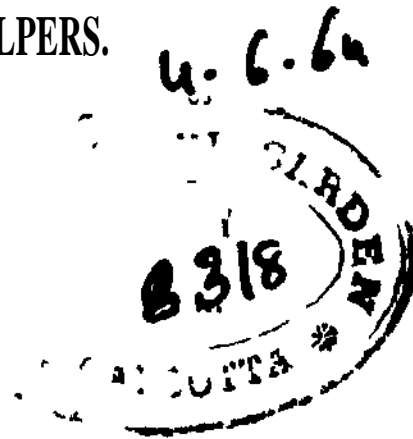
SCMITIUS AMBROSII ABEL.

1852-1853.

INNALES BOTANICES SYSTEMATICAE.

AUCTORE

GUILIELHO GERARDO WALPERS.



TO MILS .111.

IJPSIAE.

SUVIIBUS VMRIObii VIUJ..

1852-1853.

**Si quid novisti rectius istis ,
Cnnitirus imperti, si non, his ulere mecum**

.VNMLLES BOTANICES SYSTEMATICAE.

TOMUS HI

COROLLIFLOBAE.

(DC Piodi. VIII. p. 1.)

Ordo CXXXIV. LENTIBULARIÆAE *Rich*

(DC I Modi Mil p. 2 a bb8 - Wlpis. nepert VI. 438. ft 741, Annal. I 488 & 998 -
Vhtculanac Liull. Gen plant, p 728)

1 UTRICULARIA. *Linn.*

(DC Prodr VIII 3. Ut 66b — Wlprs. Repeil VI. 433 ii: 741, Annal I 488 0:998)

- 1) 1) EXTENSA. Hance, Drago pi nov Austr. Cinnens ined II 11. — Radicibus nullis(T), taulibus submisis praelongis fuliosis, scapos submersos undique cniUeniiluis folns opposms radiufornubus captllateo-multi(lilis lpciuo-dichotomis ciehemnic laicuhUT arnpulligcus, utnuculia ovalo- spliacucis, scapo tilifurmi nudiusculo, a)ico 3—6-floio, 'braclcis tarissimis ovaus, ba^i adlki*, pedicelhs allcims (lore longionbus, fiuciucns flavato-inciassalis, floribiiB aurtis, caljcis lacinns o\atis obtusissimis coiollac lobis duplo brevioiibus, coiollae labile subaequalibus obtusis niU'perrimis, supenore furnitnto mfcioie galcifoimi, lai'enbus re(le)is, paldto valde prommulo strus pallide rubellis notaio, calcaic pubescpiite veisut> labium infenus poi recto ldque vix supeiante obtusiusculo, calycis fiueligeri lobis capsula paulo brevionbus subpatentibus, capsula ovalo - subglobosa sljlo ooquilongo coronalo, stigmile bilabialo, seminibus placentae iu\ooldtac cenlrnli peltitim ndllxis oibitulatis compiessu. ambilu anguKais angu>io iloin — Scnpi 3—4 poll longi subllcuiosi Floies 3 lin longi Capsula rubello-striQtn, mjgniluilino gianl pipens, LOLCO snbpaienle sublcnsa — Ad *Lentibulm lam* perlinet — llabuui in uvulis msulae Hongkong in China
- 2) U TRIBIWCJTATA Hochst mss in A Richartl, Tent I) Ab\ss II 18 — Minima tencsins, ulntulis drslitua, nplnlla radice exigua flbnllosi, taulc ercclo simplici grncili icioti glabro nudo, 1—4 uncias ulio, flonbus 1—3, dislintibus, vix pedicellatis caeruleo - pur put cis, basi binlecolis 3 lanceolalis slipalis , cnlycib bilabiati labio supofiore o>ah- aubrolurulo aculo integio, infermre lalioro emarginato-bifldo , corollao iubio supenore ascendente btevi upice billtlo labio inferiore basi calcnralo inulio mojoio tububo, calcore conico hon/ontali subatuto, capsula globosa apice siylo mauifosto sup<1-ratj, tal)CC oblerto — Ad *Slylolhtcmn* poitinet — Crescit in Abjssmiac }>aludibus plamiici monlanau Uelless provijicio Clhre
- 3) U AHCUATA 1\ Wglu kun plant IV tub 1571/i — hiecla hiflda lamis subaequalibus, squamis minutissiiins, biacteis subulalis pai\is, caljcis loku» nuqualibus laic ovn- iib> oblusis* quam corolla culcaique inulio brevioiibus 'iutlifuns parum atic9conlibus

calcare longo gracili sub corollae labium inreriis latum suborbiculare sursum curvato; capsula ovata; seminibus ovalibus utrinque rotundatis, longitudinaliter reticulatis; floribus coeruleis. — Habitat in India orientali (Belgaum).

4. U. VALMUCIANA R. Wght. I. c. tab. 1572/. — Filiformis subvolubilis: bracteis latis ovatis; calycis lobis ovatis; corollae labiis integris, superiore obovato suborbiculari, inferiore lato emarginato; capsula lenticulari; seminibus ovalibus utrinque obtusis, minutissime longitudinaliter reticulatis. — *Utricularia capillacca* Wall, (nee Willd.) - Habitat in India orientali (Courtallum Neilgherries.)
5. U. ULIGENOIDES R. Wglit. I. c. tab. 1573. — Caule simplici v. parce ramoso volubili, squamis paucis ovatis acutis; bracteis latis ovatis acutis; bracteis subulatis, omnibus quam pedicelli multo brevioribus; pedicellis 4—7-nis secundis cernuis filiformibus (lores subaequantibus; calycem (i. e. calycis lobis) ovato-lanceolato acuto vel cuspidato, calcar diindivisi subaequante; calcar conico, corollae labium inferius excedente, labio corollae superiori lincari, apice orbiculari; capsula compressa suborbiculari; seminibus globosis suborbiculato-reliculatis. — Flores coeruleae. — Habitat in India orientali (Courtallum).
6. U. CONFERTA R. Wght. I. c. tab. 1575. — Cacspitosa: caulibus ascendentibus filiformibus, simplicibus vel nonnumquam parce ramosis et subvolubili-intricatis; foliis linearispathulatis, squamis minutis ovalibus apiculatis; bracteis bracteisque squamiformibus ovatis; pedicellis gracilibus apicem versus alatis cernuis vel nulantibus quam flores longioribus; calycis lobis lanceolatis acutis; calcar gracili corollae labium inferius subaequante, calycem superante, labiis integris linearibus rotundatis, inferiore lato galento marginibus reflexo; capsula globosa lenticulari; seminibus globosis reliculatis; floribus coeruleis. — Habitat in India orientali (Courtallum)
7. U. GRIFFITHII R. Wght. I. c. tab. 1576. — Scapo ascendente laxo, interdum volubili 5—6-flores; foliis linearispathulatis; squamis paucis minutis; bracteis ovatis acutis; calycis lobis ovatis acutis pedicello brevioribus; calcar conico acuto descendente calycem superante, labiis brevioribus; corollae lobis superiore integro obtuso, inferiore dilatato orbiculari emarginato; capsula lenticulari; seminibus lenticularibus profunde foveolatis; corollis coeruleis. — Habitat in India orientali (Malacca).
8. U. SMITHIANA R. Wght. I. c. tab. 1577. — Scapo ascendente subvolubili tereti; foliis paucis spatulatis; squamis remotis minutis acutis ovatis; bracteis late cordatis, bracteis anguste lanceolatis; lobis calycinis subinaequalibus, posteriori latiori obtuso, anteriori acuto, quam pedicellus latus filiformis brevioribus; calcar conico corollae labium inferius subaequante calycem superante; corollae labiis integris, inferiore galento; capsula lenticulari calycis lobis grossificatis inclusa; seminibus globosis orbiculatis. — Habitat in India orientali (Malabar? Cory?).
9. U. RRAJYODA R. Wght. I. c. tab. 1578/. — Erecta simplex: scapo angulato 2—4-flores; squamis dispersis minutis; bracteis bracteisque late ovatis minutis; pedicellis quam flores brevioribus ascendentibus; calycis lobis late ovalibus, calcar circiter dimidium aequantibus, posteriori obtuso apiculato; corollae labio superiore emarginato, inferiori magno glabro ad faucem pubescente, calcar subaequante; capsula lenticulari; seminibus globosis minute orbiculatis; floribus coeruleis (?). — Habitat in India orientali (Gbilon).
10. U. FINICKMATA R. Wght. I. c. tab. 1578/. — Aphylla? scapis gracilibus crebris ramosis angulatis, squamis longiusculis lanceolatis; bracteis minutis ovalibus acutis, bracteis subulatis; pedicellis filiformibus flores superantibus; calycis lobis ovalibus acutis, calcar subaequantibus; calcar conico quoniam corollae lobis brevioribus, labiis integris, inferiore galento, marginibus reflexis; capsula lenticulari; seminibus globosis orbiculatis; floribus coeruleis. — In India orientali (Courtallum).
11. U. SOLAMOSA H. Wght. I. c. tab. 1579. — Scapo erecto tereti, per totam longitudinem squamis numerosis cernuis instructo; bracteis bracteisque squamiformibus; foliis spatulatis; lobis cernuis 2—3-nis, versus apicem, quam pedicelli longioribus; caly-

- cis lobis hinc'atis calcaic comco aculo brevionhus, coiollae labiis integns, nilerioii giliato | uonte suboilricuhii, capful 1 ublango - lenticulan, semimbus globosis sciobi-Luhnbus. Ilonbus touulus — Ihibit in Indn onentali (Neilghemes)
- U U AFFIMS II W_Dht 1 c Mb 1580/, — Sca|>o cicclo ane'ulan 4—5-iloro, sqinmu. paucis adpressis acutis, bracteis ovatis aculis pulicellis quoin flores bre\ionbus fru-clifens apite alalis, cahcis lobis late ovalis obtusis calcare brovioubus, calcaic Jtcnmto dcuto, labiis brevior labio corollae mfeioio'c lalo suborbiculau subgilcato, ciq̄sult ltniiuihn, semimbus globosis protunde scrobiculaus, Ilonbus coerultis — Hbitat in India oncntfli (Ncilghemes)
- 13 U MA(ROLbl>IS R Wght 1 c tab 1580₂ — Scapis eiectis simpheibus filiformibus, squamis ovalis acutis subfoliaceis bracteis ovalis iculis, biacleolis suhulatis, flonbu* subsessilibus caljee (calycis lobib?) late ovato oblu&iusculo, calcare oltcnualo quam , corollae labia bievioie, labio supcnore subcu&pidato infcnore suborbiculan, capsula lenticulau, semimbus subovato-oibicuhnbus papilloso -muncalis, flonbua luteis — Htbitu in India onenlili (Courtallum)
- 14 1] GI OCIIIDIATA R VVght 1 c tab 1581 — Caespitosa eiecta fliformis folns oibi-cuhn spithuhiis bracteis cilycis lobo inferiori raullo nunon bncteohs obo\atis pdi-CCIII floits subaequantibus cernuis vcl nutantibus, calycis launus \aldo maequalibus, caloit corollae labmni infenus laium crenato - dentalum subaequante, labio supenorc quam cil\ brevioie emargmato capsula globosa e basi dchiscnte, scmioibus obova-tis glochidiatis — Habitat in /ejlmia insuh
- 15 U GUIANFNSIS Splngcrb niss ex Vnese, Nederlandsch kruidkundig Arcbicf I 323 t — Scapo slucto muluflo, pdicllis fiuctifens itllcxis, calcaic oblusiusculo as-cendente, foln» ctaceis uinculifens — Ciescit in flumine Commcwjne bunnamensis colomae
- 16 U SPATHIULATA Splug rass ex Vnese I c 324 f — Scapo simplici glabro, foil is radicalibuik dcciduis, 1—2 spathulntis, calcare acuto, labio infonon Juplo longiore, — Grescit in Sivannnis humidis Vame
- 17 U PECTINATA Sphtg m^s ex Vnesc 1 c 325 f — Scapo simplici muhifloro foliib radicalibus lineabus obtusis, squanm, bncteis chncibusq̄c pcttimto-ciliatis — Af-fims U *limbualat.* II D kmh — Crescit in Savannis Parae et in rqioue Deinelanensi
- IB U FOCKC\NA Niqu Stirp Sunnamens select 111 t^{tal}) 40 — Folus alternis radi-cifoimibus cipillaceo-multipariiUs utuculifeiis, scapis bicvibus nudis 2—5-doiis bracteis basiliMs iimplctentibus oblongo-ovolis obtusiusculis, podicllis longiusculis sep-alis ovatis obtusis subaequilibus encrvns posiico dcium subemaigmno , coiollao loscac labio superiore subrolundato iruncato-cnnigmalo subgalc\lo infeioic lalo-lotund no truncato-ietuso q̄nim cnlcar conicum acuiiusculum adpicsbum paulo bievioie — Ciescil in Sunnm in solo limoso decumbens

t Ioones addendae.

- U UIFIDVIinn — DC 1 c 21 no 101 — R Wglu Icon pi 1\ t 134/
 U COERLLEA Linn — DC 1 c 19 no 91 — R WJn 1 c iib 153
 U DIA\niA R a Sth - DC 1 c 21 no 10^ — R _ht I c I 156^
 U FASCILLL\l\ Roxb — DC I c 7 no 18 — R WyU\ 1 c I 1568
 U IIIML IS \ahl - DC I c 22 no 103 - R Wght 1 t t \bU/2
 U MMA \ihl — DC 1 c a no 98 — R _lu 1 c t 138,2
 U PINCTVTA Wall - DC I c 5 no 9 - R W^ln 1 c t 1570
 U R^CLMOSA Wall — DC 1 c Zi no. 100 — R Wght I c t 15^A
 U RFIIICULVTA bm — DC 1 c 19 no 90 — R Wght 1 c t 1J71/ a Illustr of I ml bot II t 143
 D) STEILMUS Linn — DC 1 c 3 no 1 — R W_DM Icon pi 1\ t Iob7
 t ULIGINOSA >ahl - DC I c to nu Gb - R _lu 1 t t 1J<1

IV *PinrOUICUIiÄ loiunel*

[L] Piodr Mil 2b fit 067 — Wl|»s Repcil VI 439 Amidl I 492)

- 1 I¹ (III hN&lb Clos in Giy, llislonu do Chile (Bot) IV p 3b5 + — GlubomiKi loin*
 ellippius Jiii ollipilco-oblongis «ubpinguibus scipis rctis ngidis npicc pirum dihtatis
 i ilvto glabro Innceolalo acuio corolla ?, capsula ovoidea calyce bubduplo longioie
 — Crcsetl m piovmcia Clulcnsi Valdmn

— — — — —

Ordo CXXX.V. PRIMULACEAE |o,t.

(Duli> in DC l'iodi Mil JJ <i <7 — G Kiue in VMpru Ucpert VI 43J & 742 —
 Wlpr& Anna I I 4U3)

II PRIMULA *Linn*

(luby in 1)(Piodi Mil 33 Ik 667 — Knze in Wlpis Reperi M 43¹) a *U* — Wlpr[^]
 Aunal I 493)

- 1 • IK (*Sphmidilia*) liOVI AN4 Dent — lluby in DC I i i m o 1 - A Ritli J oni
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 llonbus dense copituiis, involucln foliohs lanceolzriib, edljcibus lurfuraccis piofunde
 "5-lobis loins Kiis ovato-ucumiutis, coiolhc lijpcialLufoiini[^] limbo tubum irjns-
 \isc mgosiini aecjiianlt, loins]nofundo cmaignalis — In U/nialjjac montibus
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 3 V| MARlOPIIYILA C Koch Limnea Will 015 f— loin spiihuhu in pcliohim
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AUTDROSACE *Tournef*

(Duhv in DC Prodr Mil 47 ft: 668 — Knzc in Wlprs Repeit M 444 - Wlpis Annal I 493)

- „ 1 A (*CephalocmiloR*) LONGIFOLIA C Koch Linnæa XXIII 610 + — Pluniceps lolii lincai i - spatbulata in petiolum sensim aitenuata pollicem et ultra longa, 2—2'A Im lata margino breviter et disianter flmbrialo excopto glabernraa, ox apice quadnden-tata ciccto-palula scapus folia tnplo superans pilis brevibus glanihilifens et stel-latis \cstuuus, umbelh capiluliformis, phyllis linean - oblongis, praeseriim ex margine hirsulis acqulongis invoiucrata, calyx brevissime pedicclalus aut sesailis urceolalus glabnusculus sed laciniis tubo jirovioribus oblongis crectis hirsutis praedilus, corollam subaequans — In montibus alussimis Ponti
- 2 A DIDINTATA C Koch 1 c 610 f — Pluniceps folia linean-spathulata, margine flmbn no excepto glabenima ex pane supreme bidentata, dentibus acutiusculi* medio nnjon, crecli, marcescentia reflexa, scapus foln quadriuplo superans, pilis siellatis supcrnt densius vestilus, umbella 6—10-flora, a phyllis sublmeanbus lursuus pedicello tnplo longionbus nnolucrata hnsuta, cthx urceolalus pentagonus laciniis lanccolalis longitudine pedicellorum sed tubo suo pacno dnplo brevioibus, patulo - creciis, * \ corolli paululum superaius — In monlibus alussimis Poul
- 3 A PI EIOCARPA C Koch 1 c 611 f — Umccps pilis hreubus sed futcatis stellatis-que obsita folia dense piostrata aut patontia, oblonga, sed basi angustion, ex parto suponon 4—B-dentaia denubus brevibus remotiuscuhs margino magis pagims minus puberula, suproma interdum Unearia Integra el glabriuscula, scapi numerosi nxillares brevissimi, e folus \ix emergentes, aut folia plunes superantes, involucri phylla basi tonnata et saccaio-aunculata, oblongi acutiuscula pceducllis brevibus longiora, calyx urceolatus, pedicellorum longitudme pacne quinquangulaus laciniis oblongo-lanccolatis tubo suo brevionbus crecio-pawlis, corollac lacimnac erecto-palulao, e calyco paululum emrgentes — 4 *Alb ana* C Koch 1 c XVII 316 — In Caucaso infenon
- 4 A (*bmcuhgeia*) LONGISCAPA C Koch 1 c XXIII 611 f — Uniceps, sed 1 — 3-sui-cula eiecta caules rubentes pilis longis aiticulalis ^estitos emitlens folia capitis spathulaia ncuta, infcnora brevioia et latiora, subtihter denuculaia, supenora longiora angustiora, longe ciliata, syrculorum cliptica pilosa scapi longe et articulatim hirsuli folia multoties superantes, soliiaru aut bini, mvolucn phylla elliptica, pedicellis pilosis duplo tnplove breviora hirsuta, calycis urceolati hirsuti, tubuin corollinum vix ^cquantis lacimae lanccolatae, suo tubo longiores, ercctae, corollae lacinae oblongac, suum tubum aequantes — In Gusia
- 5 A (*Globxfeta*) ALTAIC A G Koch, Linnæa XXIII 612 f — Folia rosulata, mfenorn oblonga obtusiuscula, apice incurvo et supra concavo glabi luscula, caunata, suprema linean - oblonga acutiuscula hirsuta, florcm solitarium bievissime peUunculaium arete mvolucn forma mcludentia, caljx tubum corollinum aequans, laciniis oblongo - lan-rcolaus, scriceo-birsutis, corollac limbus mojuscuus, calycis longitudme — Altai

VI DODECATHEOST *Linn*

(Dubv m DC Piodi VIII 55)

¹ *D INTEGRIFOLIUM Michx - Dubv in DC I c 56 no t - Lindl Journ of th< home soc V 197 (c ic)

XVII AUTAGAIHJIS Tournef.

(Duby in DC. Prodr. VIII. 69. ft 669. — Wlprs. Annal. I. 491.)

1. 'A. ARVENSIS L. — Duby in DC. J. c. no. 4. - A. Rich. Tonl. Flor. Abyss. II. 16. — *Anagnllis serpens* flochst. mss. — Duby in DC. I. c. 668. no. 9bis. — *Lynimachia Adornsis* Florhsl. mss. *-
 I *A. LATIFOLIA Linn. — Doby in DC. I. c. 70. no. 5. — Wlprs. I. C. 494. — Wglit Spicil. Neilgh. If. lab. 133

MX MICEOPYU9 Duby.

(Duby in DC. Prodr. VHL 71.)

- 1 *M. TENELLA Wght. Icon. >1. Ind. or. IV. tab. 1585. — *Ccntunculus tenellus* Dub) in DC. I. c. 92. no. 3."

Ordo GXXXVI. MYRSINEACEAE Aiph. DC.

(Aiph. DC. Prodr. VHL 75. ft 668. — "Wlprs. Repert. VI. 448, Annal. I. 494. ft 1001)

Subordo I. MJLE&EJLE Aiph. DC. 1. e. 76.

1. HtAKSIA. Forte.

(Aiph. DC. Prodr. VIII. 77. — Wlprs. Report. VI. 448, Annal. 1. 494.)

1. 'M. LANCEOLATA For«k. — .Aiph. DC. 1. c. 78. no. 7. — A. Rich. Tent. Flor. Abyss. II. SO. — *Maesa (Daeobotrys) picta* flochst. — Wlprs. Repert. VI. 440. no. 1.

•+ loon addend*.

- M JNDICA Aiph. DC. I. c. 80. no. 15. — Wlprs. Annol. I. 494. no. 1. - VVghl Spicil Neilgh. II. tab. 134.

Snbordo II. EIIMYIISIJVEJLCEJIE Aiph. BC. 1. e. 99.

II. BMBBI4IA Burm.

(Aiph. DC. Prodr. VIII%83. — Wlprp Bepert. VI. 446, Annal. 494)

- J. *E, GARDNERIANA Wghl. — Wlprs. Annal. I. 494. no. 2. — Wght. Spicil. Neilgh. II. tab. 135.

. HI.

III CHOHIKTAIJITM *Alph. in*

(Al I. 0< Prodi \Til 88 — Wlpri Hcpul M 448 Annal [495)

I r II III MIAMII lance, PI nov Ausii Hunoni tluugn modit I p 25 — Friilcm ens.
 • neliini vel prostialo-difTusum linutl biiiiiitns, glibcintnum folus oho\ilis oblongis
 oblou_po-obo\ati3 vel ellipdcis u(iiru|uc OE>UMF> vel ipice emarginads uile^errimiM co-
 inttis nilidis brrviter |M uoldiis subius p illidis m gl nicest eiuibns, punch* lincolis-
 (jiitmoiu *Samydacut urn* noiaais, meeting topiosis nxillai ibiib simplicihus folio scztiiplo
 birvioubus, pcliolo acqmlongis, biactcis ovatis nculis minulis, lobis calycims lnan-
 ^ulaiM acutis untwine ^Kinduligcns pctali^ oblougiH mnrmino ct inicrno glanduloso-
 farmosis)iicntibui> MX itfltus Uividis, shininuin divancaloium filamentis flhformi-
 bus pirect glaii(!ili,tiij ptnluiu puiuin super utiliut siigin no tapitato simplici — *Ch
 abmatum* Umli m II ok London Juuin ,of liol I 490 — \Mprs Report YI 448 no 1
 — Folia I¹ i — I poll lon_ri M lin 1 iii Folioiuni sapor giallo acidus — Nomen mu-
 tavi sjiccjllcum cum folia non sum sonpci obovota — Hob in IDS Hongkong Sina-
 luin copiosum

t leon Addenda.

(II AUHAM/ACLM Apli DC I c no i — Wlprs Annal 1 c — Wght Spied Neilgh
lib 1361\ JHYR8IHTE *Ltnn*

(Alpb II(I'odr Mil 92 ft 669 — Wlprs Rcpit \I 449 Annal VI 495)

1 M Gil M\NA Sondii I innato Will 7b f — Glabia folus ob\ersc lanceolaiis, in
 peliolum bievcuri inguslnds ipicc recur>o subcmaiginatis conacois avenus, subius
 punctiutB foscualis J—5 lions podicellis angularibus glabrts, peiolo longionbus
 dentibus calycim* obiusis ciliolaiia corollaf lobla ovotis acuiis calyce duplo longlon-
 bio anibtrus supcranlibus diupa ellipsoidca neuta — In Piomonlono bonac spot

leon addenda.

M (APITLLLATA Wall — Alj h DC I c 94 no 11 — Wlprs Annal *IM* — Wght
Spuil Ncilgb H r f3?WIN COHTOIEORPIIA *Alph. DC*

(Alph DC Piodr VIII 113)

1 C MUI TIPUNCTATA Surp Miqu Suunoin select HI t 34 — Follis obovWO-oblongis
 vel obverso lanceolaiis, basi cuncatis, apice abruptio brevitor acumlotis subcorlaceis,
 utnque crebermo glanduloao-puncialis, voms immerBis, racemis aggregate cum ra-
 niilij* densisttime furfuracoo-glandulosis, folu '/>—V« aequanubus, pedicellis nlternis,
 hrpctca linenn brevluiihus, cahcr (orollaquo glandulosi* •uithons subsagittatls —
 fresut in Surinam

Will ABD1S1A *Surt.*

(Alpb DC Piodr VIII 120 a b?0 — Wlprs Ucpel >i 4J2, Annal 1 495 Qc 1001 \

I A (*buaidma*) PHIMULALKJLIA Oaidu a Champ in Hook Kow gord. misc. L#324 —
 Lndiqc ft rruginco - vjiiosi , \illis articulalu oaulc humili simpliCJ, foil is apice caulis

aggregata brevior >etiolnus obleno -obovatis obiusigimi*, versus ba»in subcuneaiis Inlc el obtuse crenalis; pedunculis uxillaribus folio Jirevioribus, apice umbelhtis; unibellis compositis pedicellis (lore duplo fero brevioribm; l>»*) calyciuis lineari-oblongis aculiu8culit», drupa duplo brevioribus. — Planla sullrulicosa bumilis, babitu *Aero-Iremae*. Folin subtessilin membrnnncca punctata pennivenia, supra viridia, subius pollida ot gro»so reticulatn, 4—U poll, longa, 1/a—3 poll. lata. Pedunculi unguluti, densu ferruginco-villosi. Umbellac 4—6-floroc. Pedicelli 4—6 lin. longi, Itasi bracteaai, bracteis ovalo-oblongis obtnsis l'A—2 lin. longis. Calyx quinqucpnrlitus, lobis crectis, uestivntione sub\alvatis, W)ii ^onvolutis, cxlus pilo.sus 1/2, lin. long us. Corolln roscu punviata 5-parilia, lobis ovalo-oblongii acutis paiiMUibus, 3 lin. longis, ucstivnliom* siii8trorsum couvoluia. Stamina 5, lubo corollac i user la; fllomenlis brevissimis; auheris ereclis oblongis nculi^, ba^i eninrginalis. Shins filiformis, apice subulalus Drupa globosa glabra coccinea 47^ "l»" *lt>nga. — llubilal in Ghinn.

t leumeM addendac.

- A. **UUMILIS** Yahl. — Alpb. DC. I. c. 129. no. 48. — Wlprs. Annal. I. 4%. - Wght Spicil Ncilgh. If. t. 138.
A. **POLYC^PIJALA** Wall - Alpb. DC. I c. 131. no. 5H. - Wg!it. Illustr of Ind bot. 11. lab. 145.

Ordo CXXXVII. AEGICERACEAE *Aija DC,*

(Alpb. DC. Prodr. **Viii.** 141! — Wlprs. Hepert. VI. 453)

1. AJSGICKRAS *Crtnr.*

(Alpb. DC Prodr. VIII 142.)

1. *AE. MAJUSGilur.— Alpb. DC 1. c no 1. — Wlprs.l.c. — Wght Illusir. ol Ind bot. II. t. 146.

Ordo CXXXVin. THEOPHRASTACEAE *Mph. DC.*

(Alph. DC. Prodr. VIII. **144.** ft 670. - Wlpro. Report. VI. 453.)

CORYNOCARPUS *Font.*

- (Forut. Cbnr. gen. I. 15. — A. Cunn. Ann. of nat. hist. IV. 260. — Endl. Gen. pi. p. **1410.**
m «,.)

1. *C. LAfcVIGATA Forst. I. c. - **Hook. Dot. Mag. t. 4370.**

Ordo GXXIX. SAPOTACEAE Juss.

(Alph. DC. Prodr. VIII. 154. ff. 670. — Wlprs. Report. VI. 454, Annal. I. 496.)

(. CHRYSOPHYLLI Linn.

(Alph. DC. Prodr. VIII. 156. ff. 670. — Wlprs. Report. VI. 454.)

- I. *Clin. (Cainilo) NATALENSE* Sonder, *Limnea* XXIII. 72. f — Ramis glabris; foliis petiolatis obovato-lanceolatis, breviter obtusis mucronatis, basi angustatis, margine integerrimo subundulatis, supra lucidis, subtus pallidis, junioribus ramisque ferrugineo-tomentosis; (loribus axillaribus aggregatis sessilibus; nlycfe ferrugini lobis ovatis acutis: corolla glabra quinquelobata; antheris apiculatis; ovario quiloculari. — Port Naia)
- II. *CIR. MAGALISMONTANA* Sonder I. c. + — Ramulis tenuissimo pubescentibus; foliis petiolatis oblongis obtusis emarginatis coriaceis planis, junioribus aureo-ferrugineis, adultis supra viridibus lucidis, subtus pallide tomentosis; floribus axillaribus aggregatis pedicellatis; pedicello deflorato nlycem aequant; calyce tubo ferrugineo, intus pallido, lobis acutis persistentibus; corolla rotata glabra; antheris acutis; ovario sericeo 5-loculari; fructu baccato orbiculado biloculari disperso. — In Promontorio bonaë spei (Magalisberg).

V. SAPOTA Hum.

(A. DC. Prodr. VIII. 173. — Wlprs. Report. VI. 455. Annal. I. 496.)

1. **KLENGOIDES* A. DC. I. c. 176. no. 9. — Wlprs. Report. VI. 455. Annal. I. 496. — Wghl. Spicil. Nilgh. II. t. 141.

\. TSOJVAJYDBA It. Wghl.

(A. DC. Prodr. VIII. 187. — Wlprs. Report. VI. 455. Annal. I. 496.)

- 1 I. *POLYANDRA* R. Wghl. Icon, plant. Ind. or. IV. tab. 1589. — Arborea: foliis oblongo-ovalibus obscure notis glabris; fasciculis axillaribus 3—5-floris, pedicellis quam petioli brevioribus; calyce quadrilobato, corollam subaequam obtusissimam; corolla obovata; staminibus sedibus omnibus fertilibus; antheris cuspidatis; ovario piloso 8-loculari, lobis gemmulis unicusculatis instructis. — Habitat in India orientali (Mnlaccn).

t Ioonen addendae.

- I (iLTTAilook. — Wlprs. I. c. no. 2. — Otto ff. Dietr. Allgem. Grtnztng. XVI. p. 155. c. ic. xylogr.
- I. *PERROTTETIANA* A. DC. I. c. 188. no. 3. — Wlprs. I. c. 497. — Wghl. Spicil. Nilgh. II. tab. 11?.

MIL. IiABOVRBOLinVAIfilla *Boj.*

(A. DC. Prodr. VIII. 194.)

1. L. DISCOLOR Sonder, *Linnaea* XXIII. 73. + — Foliis petiolatis obovato-oblongis, apice recurvo emarginatis conaceis, margine subrecurvls, supra viridibus, subtus glaucis; pedicellis axillaribus subternis, pctiolo plerumque brevioribus; calyce puberulo 6-partiw>, dennQn reflexo, lobis ovatis obtusis corollain aeq'uanlibus; corolla 12—18-partita, Inciniis linearibus; ovario sericeo 6-locuIari. — Port Natal.

XVII. BASSIA *Koen.*

(A. DC Prodr. VIII. 197)

1. * B. LONGIFOLIA Linn. — *Alph. DC. J. c. no. 1.* — *Wght. Illustr. of Ind. botan. II. tab. 147..*

XIX. RIOEIJ SOPS *Linn.*(Alpli. DC. Prodr. VIII. 201. ft 672. — *Wlprs. Report. VI. 456.*)

1. M. ROXBOURGHIANA *Wght. Icon. plant IV. tab. 1588.* — Foliis obovato-ovalibus, utrinque obtusis vel inlerdum basi suj>cordatis, brcviter petiolalis glabris; fasciculis 2—3-floris axillaribus; pedicellis filiformibus peliolos triplo circiler superantibus; calyce 6—8-lobo, lobis ovatis acutis corollam subaequantibiis ferrugineo-yelutinis; corollae lobis lonceolatis acutis; staminibus slerilibus late obovatis, margine flmbriatis, ftrtilium fllaraema subaequantibus; fructu globoso, supra depresso, subhexaspermo. — *Habitat in India oriental! (Coimbatore district).*
2. M. SCHIMPERI *Hochit. mss. in A. Richard, Tent. fl. Abyss. II. 22.* — Foliis longissimo petiolutis ellipticis, apico subobtusis, basi acutis, margine iniegriis subundulatis coriaceis glabris pallide iridibus, superne luridis pallidionbus, subtus obsolete venosoreticulatis, 2—3% uocias longis, pollicem ad sesquipollicem lalis, peiolo tereii unam unciam et ultra longo; fructu ovoideo, longe pedunculato laevi coriaceo pruniformi. — *Habitat in Abys&inia inter Tchclatchekanne et Selsesequilla.*
3. M. ZEYHERI Sonder, *Linnaea* XXIII. 74. f — Ramulis foliisque junioribus ferrugineo-velutinisf foliis longe petiolatis oblongis obtuse acuminatis, basi subangustatis glabris coriaceit^iterginatis, supra lucidis; axillis 3—pluriOoris; pedicellis recurvis calycibusque ferrugineis; lobis calycinis ovatis acumioaiis, interioribus subangustioribus albido-velutinis; corolla longitudine calycis; drupa ellipsoidea; semine ovato compresso basi subjiroducto. — *In Promontorio bonae spei (Magalisberg).*
- 1 M. OBOVATA Sonder I. c. 75. f — Ramls ramulisque teretibus glabris; foliis petiolalis obovalis obuisis vel obtuse acuminatis, utrinque glaberrlmis coriaceis, morgino plants vel subrovolutis; axillis 1—2-floris; pedicellis ferrugineis ereclis peiolo 4—5-plo longioribus; lobis calyjoinis lanceololis acurainalis, exlerioribus dorso forrugineo-puberulis, intus albidis, Interioribus subangustioribus albido-velutinis; corolla longitudine calycis; drupa ovata vel subglobosa apiculala; semine elliptico - oblongo. — *Imbrtcaria obovata N. ab E. mss. — Port Nntal.*

t looses addeadfte.

- M. ELENGI Linn. — *Alph. DC. V c. 202. no. 1.* — *Wght. Icon: pi. Ind. or. IV. tab. 1586.*
M. INDICA A. DC. 1. c. 205. no. 17. — *Wght. 1. c. tab. 1587.*

Ordo GXL. EBENACEAE *vent.*

(DC Piodr VIII 209 a b71 — Wlprs Ilepeit VI 457, Ami il I 4<fi

II. fiTCLKA *Linn.*

(DC Prodr Mil 215 ũ (>72 - \Mprs Keperl \l 457)

- i* 'II KhLLAU flocl*»t — DC I t 672 —A Hicli TtnUm floi Abyis 11 24 tali bb — *htllaua Sc/iiii/icn A DC I c 2K*) no 1 it p b74 — *Mujttne hetlau* Hoc list ross
- i* *I f* ANP.USTIFOLIV llnth in llooku Ni^r Muri 441 *f* — Hums pubescntibuq folus lincaibus crssiust ulis IOMUULIIS, mox glabralin, flonbus fotmineis subsolila-iii8 calyti; pnbescentu, corolli subglobosa birta brovissuuu 5—fi-luba — Croscit in Africa octidcutah tropico

VL 1>108PYRO ^ *Dalcch*

(DC Piodi Mil ?& a iui* — Wlprs Heparl VI 45i, Aimal I 4117)

- I D MLSIMMFOIMIS Hotlisi HISS cz A Hith Tout fl Abyao II 24 — Aibor excelsa raiutis vngaliM, apico rufo-Bonceis folus alternis, npproznnati8 brevis«iin«* poliolaais filliptico-laocoolutis aculls intogns subcoiiaovis glabris, flftnbus pnrvtilis rufo -sonceis racemum brevom pauciflorum axillarcn} effTormnubus, tjlycc 5-ftlo persisicmc, slan-nnibm 16, thrupa ovoulco-subgloboba (magniiudine pruni minons) fe'labra, in SICCI8 sub-5-coslata, 5-foculan, 5-sperma — llmbial in Abyssituac pro\mcia Clurc
- I D MOIMUSIANA Hancr, PI nov An sir Clnn dugn incclyt I p 6 — Fruticosa foUU oblongis obtuse nctimiuulis glncrrimis lutidis, hubtuu pallidis, bast in peliolum bre-\v|x| abcuntibus, flonbus mnstulH lucvissno pedicelKitis sublcrcms axillnrlbus poliolo brcMoribns, Ciilytc subglobio 4-fldo*, lobis tnangulanbiis uculis, corolla urceolato-t-impnnulna cil\c<> dnplo longioru cipico 4-IULO, Iobis roiundatia obtusis lubo triplo bicvionluis, st iminibui K> —20 tubum corollac aequaniibus, fliimeniis brovissimis, JKILMIS linuoi i - lam eol ills pjlosis — folia 4 — 5 poll longj (intl p< tiulo scmpoll) 18 — 20 Im lata Hmi podoliquc juvumltb subtili&simo pubeiuli Flores albidu — In ins Hongkong Cliinensmm
- J 1) ri<XANA .Sthcole, Linnaoa XXII. 145 f— Fiulexelalus ramosissimus, raml paienu-ascoudcnU's fasiiginti cmtiti leproni verrucosi, apice foliali vrrrucae subrotundao aliObanguineac Folia dlleina bicviter pctiolata obovaio-cunenia integoirima oblusa dnasiomosantin mollissinia supra dtmiim glabiala, sublus pilis lamosis boloscucca Pecioli lomentosi FJores dioici ptduniulati lalerales pentameii Pedunculi bolosencei, basi glandulift II (loic paulo vel \ix bievioics Calyx profundo quinquepardtus bolosencius Corolla uiceuhia quinquefida oxlus sencea, inuis atiosanguinea glabra, lobi tubo brcMoies obo\ HI acsdvjiionc smistrorsum convoluti Flores stcnles bini \el term laiciales infid folia bin Pedumuli defleti Culycis segmenta lanccolaia pctuiiLulo ti coiollac tulio brevjora blainiia 16, HlaDienta bievisssuna, anihorao flamentis quadruplo longioios lineari-lanceolaiae subulato-acumiuualao laleralKer iinu

longitudinal! utrinque dehiscemes. Ovarium abortivum Tilliosissimum. Stylus op ice quadrilobus. Flos fertilis lateralis solitarius flore sterili multo major. Pedunculi borizonialiiier paientes. Calycis segmenta oblonga corollam aequanlia vol superantia. Ovarium sub-8-loculare ovato-globosum serleccum, loculi uniovuloti; styli cooliti brevissimi, *opice* quadrilubi. Siomina abortive Fructus globosus niger dulcis. — Habitat in republica Teiensi prope Neubraunfels.

4. D. FKRRUGINEA Splitgbr: mss. ex Vriese, Nederlondach kruidkundig Archief I. p. 327. t — Ramis divoricatis gemmisque ferrughico - tomentosis; foliis coriaceis poiolntis oilongis acuminaiis, suporfie glabris, inferno sub lente visis minutissiino sublepidolis, margiuc ferrugineo - tomeniosis, junioribus subtus puberulis; pedunculis brevissimis ailiuribus multifloris; culycibus corollisque furruginco - tomentosis. — Croscit in syhis Surinamensibus.

t leones **addendac.**

- ↳. CAPJTULATA Wgbl. - Wlprs. Annal. I. 497. no. 3. — WghL Icon. pi. IV. lab. 1588. (pi. \$)
I). CORDIFOLIA Hib. - DC. 1. c. 230. no. 36. — Wglit. Ulustr. of Ind. bot. II. tab. 148. Or 148b. Hg. D.

VII. M A B A *Font.*

(DC. Prodr. VIII. 240.)

- i. M. VAC0INIAEFOLIA Drub, in Hooker, Niger Flora 442. f — Ramulis hirsutia; foliis ollipticus acutia subcori«cei», supra ad costam subtusquo sparse hirtellis; calyoia foeminci hirti lobis obtusisslmis; baccis oblique ollpsoldois. — Cresoil in Insola Sti Thomue in Africa tropica occidental!.

Ordo ??CXLI. AZIHACEAB *Gardn. Sf Wght.*

(Gardn. ft Wglit. in M* Holland's Calcutta journ. of nat. hist. VI. 82.)

Flores dioici. Masculorum calyx urceolatus quadrifidus. Petala quatuor hypogyna aequalia, aestivatione valvata. Stamina quatuor hypogyna libern, antherae biloculares iotrors'ae longitudinaliler dehiscen-^{^s}, connectivo breviter producto apiculatae. Ovarium abortivum. Florum foemineorum calyx irregulariter 2—4-fldus. Petala quatuor hypogyna aequalia; aestivatione valvata. Stamina rudimentafia. Oyanum inferum turgidum bilocularc, loculis uniovulatis, tfti[^]ma sessile Peltatum subbilobum. fiacca globosa bilocuJaris v. abortu unilocularis, loculis monospermis. v Semina erecta piano"-convexa, testa coriacea rugosa, albumen nullum. Embryo lenticularis, cotyledoncs carnosae, ^ad basin cordato-auricujatae, radicuJa infera. — Frutex Caponsis et in India oricntali sponte nascens: ramis oppositis tetrngonis divaricalis &Pinosis; foliis opposite petiolatis acutis* pungentibus integerhmis glaberrimis; floribus axillaribus glomeratis brevissime pedunciilatis; **bacc s** albis.

If,

AZIMACEAE.

I. AZOIA. Lam.

(Lam. III. Gen. t. 807. — Pers. Syn. I. 145 — Gardo. ft Wght. Calcutta jonrn. VI. 52. t. 1. — *Munvha* JcTit. — Endl. Gen. pi. no. 5711 & no. 6891. — G. Don General syst. IV. 105.)

1. • A TETRACANTIA Lam. — Gardn. & Wght. 1. c. — Wght. Illustr. of Ind. bot. II t. 153. — Monchm *barlerioides* Ilérít. — Habitat in peninsula Indiae orientalis et in Proioniorio bonae spci

Ordo CXL. STTRACEAE Alph. DC.

(Alph. DC. Prodr. VIII. 244. ft 673. - Wlprs. Report. VI. 458. & 742, Annal. I. 498.)

f. SYMPIOCOS Jcq.

(Alph. DC. Prodr VIII. 246 ft 073. — Wlprs. Report. VI. 458. & 742, Annal. I. 498.)

1. 'S GARDNERIANA Wyht. — Wlprs. Annal. I. 499. no. 8. — Wght. Spicil. Neilgherr. II. lab. 144.
2. * S. MICROPHYLLA Wght. — Wlprs. 1. c. no. 9. — Wght. I. c. lab. 145.
3. *S. ODTUSA Wall. — Alph. DC. 1. c. 255. no. 39. — Wlprs. 1. c. 500. — Wght. I. c. tab. 146.
4. * S. PULCHRA Wght. — Wlprs. 1. c. 499. no. 7. — Wgh|. 1. c. tab. 143.
5. *S' 3PICATA Rib. — Alph. DC. 1. c. 254. no. 35. — Wght. Illustr. of Ind. bot. II. tab. 150.

Ordo CILIII. OLEACEAE Lindl.

(UC. Prodr. VIII. 273. 8t 674. - Wlprs. Report. II. 460. ft 742, Annal. I. 500.)

I. FRAXDTUS Tournef.

(DC. Prodr. VIII. 274. - Wlprs. Report. VI. 460, Annal. I. 500.)

1. FR. (*Fraxinaster*) SYRIACA Bpiss. Diagnos. plant, orient, nov. XI. p. 77. f → Arborea ; raris coriice glaucescenti vestitis; gemiriis nigris glabrescentibus viscidulis; foliis ; petiolo longo superne canaliculato suffultis 1 — 2-jugis, foliolis glabris pallide virentibus subcoriaceis oblongis, parte superior! acute et ascendent! - serratis longe acuminatis, lateralibus sessilibus, basi breviter cuneatis vel rotundatis, impari majori longius acumiato, basi longe in petiolum attenuato; racemis siriclis secus ramos striae et longiuscule racemosis; floribus diandris; stigmatibus bifido; samaris glabriusculis ellipticis basi et apice attenuatis breviter acuminatis stylo peristenti mucronatis. — Crescit ad rivum circa Aleppum.

2. FR. PERSIC A Doiss. 1. cit. p. 78. f — Fruticosa huroilis ramosissima, cortice glaucescenti vestita: gemmis nigris nunulis glabris; foliis coriaceis glaberrimis glaucescentibus, breviter petiolatis indivisis vel 1—2-jugis, foliolis minutia ovata integris vel superne vix denticulatis, basi cuneato - attenuatis, apice abrupte et breviter acuminatis, impart majori petiolato; sarnis. . . ? — Crescit in solo schislacco montis Kuli Daena Persiae australis
3. FR. MILLE LACUUM C. Koch, Linnaea XXIII. 597. f — Cortex griseo-olivescens, glaberrimis laevis, folia longe petiolata, petiolo canaliculato glaberrimo, 3—5"juga, foliola laevia elliptica, in petiolum brevissimum aliena basi oblonga integra, cacterum grossa et acute serrata, serraturis apice curvatis, supra glaberrima, subtus pilis singulis obsita, duriuscula; gemmulis puberulo-canescens. — In Asiae minoris monte Mille lacuum.
4. FR. (*Ornus*) SIEBOLDIANA Blume, Mus. Bot. Lugd. Bat. p. 311. no. 717. f — Ramulis novellis petiolisque subtriangulis; foliolis 2—3-jugis breviter petiolulatis e basi acute vel subrotundata ovalis vel ovalo-oblongis lanceolatisve (1—3 poll, longis, $\frac{1}{2}$ — i poll. Intis, petiolulis 1—2 lin. longis) aculis vel acuminatis serratis glabris, subtus ad nervum medium basin versus pubescentibus; pauculis axillaribus et terminalibus laxius muUifloris; petalis linearibus obtusis; samaris (7—10-lin.) laevibus - spiculatis obtusis vel rarius glabris; gemmis glabriusculis.
- P. *angulata*: Samaris angustioribus.
- P. *sambuctina*: Foliolis sessilibus. — In Japonia.

• f Non satis notae.

5. FR. PUBINERYIS Blume 1. c. no. 718. + — Ramulis novellis petiolisque subtriangulis; foliolis 2—6-jugis petiolulatis e basi acutiuscula vel subrotundata ovalia vel ovato-oblongis ellipticisve (1—4 poll, longis, $\frac{1}{2}$ — i poll, latis, petiolulis 2—3[^] liq. longis) acutis vel acuminatis serratis, subtus imprimis in nervo medio et venis puberulis; gemmis rufescentibus - subtomentosis.
- P. Foliolis hirsutis - serratis. — In Japonia.
6. FR. OBOVATA Blume 1. c. no. 719. f — Foliorum rhachi anguste - marginali; foliolis 2—3-jugis sessilibus vel breviter petiolulatis obovatis (VI—1'A poll, longis, $\frac{1}{2}$ — i poll, laevibus) aculis vel rotundato-obtusis inaequaliter denatis, utrinque sed imprimis in nervo medio et venis subtus pubescentibus - scabundis. — In Japonia

ft Icones addendae.

FR: AMERICANA Linn. — DC. 1. c. 277. no. 18 — Torr. Flor. of New York II. 125. f tab. 89.

FR. PUBESCENS Walt. — DC. 1. c. 27a no. 24. — Torr. 1. c. 126. f tab. 90

IV. WATHUSI. % *hochst.*

(DC. Prodr. ni. 281.)

- 1 * N ALATA Hochst. — DC. 1. c. 282. no. 1. — Rich. Tent. Flor. Abfss. II. 29 t. 67

VI. OLIIKA Tournef.

(DC. Prodr. VIH. 283. ft 674 — Wlprs. [Repert. VI. 461.] Annal. 1. 501)

- 1 0 WALPERSIANA Hance, PI. nov. Austr. Chinens. dingn. inedit. 1. p. 26. — Arborecens: foliis coriaceis ovali-oblongis integerrimis vix repandis, basi aculis, apice obtusis.

siusculis, emarginatis vel obtuse acuminatis, ulrinquo subnitidis, sparse et minute pilosulis, breviter peliolatis; ramis incrimibus obsolete quadrangulatis vel terciusculis glaudacco-fulvis fm furaceo - pilosis; pauculis axillaribus putentibus floribundis, folio iluplo vel minus longioribus; dnipis. . . .; calyce campiinululo subtruncato; corollao lubo calyce brrtiore, lobis obtusis, genilulibus exsertis; stylo apicem versus paulo incrassato, sligmnle capital'o oblongo obluso, apice piano vel leviter oinarginato. — Colitur in China meridionali. — Folia $2\frac{1}{2}$ poll, longa (incl. petiolo 4-lin.), $1\frac{1}{2}$ poll, lata. Flores albi odori.

2. 0. CONSANGUINEA Ilance 1.§. — Arborecens: foliis coriaceis ellipticis vel elliptico-lanceolatis integerrimis vix ropandis, basi acutis, apice obtusis, saepius leviter emarginatis, margine subrevolutis, ulrinque subnitidis, sparse et minutissime pilosulis, supra rarius fere glabris, brevipetiolatis; ramis iermibus quadrangulatis, apice glanduloso-pilosis; paniculis axillaribus densis ramosis inulillaribus, folio plerumque plus duplo longioribus; drupa. . . .; calyce campanulato subtruncato; corollao mbo calyce bivivore, lobis obtusis; genilalibus exsertis; stylo lilifonni, sligmale rapitalo oblongo irregulari. — Colitur in China meridionali. — Folia 1—1 $\frac{1}{2}$ poll, longa (incl. petiolo 2-lin.), 1 poll. lata. Flores albi, grnti^siinc fragranles. Praccdenli valdo afUnis.

t Icon addenda.

0. DIOICA Rxb. — DC. 1. c. 286. no. 14. — Wght. Illustr. of Indian bot. 11. tab. 151.

XI. OTXOPYRUUE *Blume.*

(DC. Prodr. VIII. 290.)

1. M. CORIACEUM Ulumc, Mus. bot. Lugd. Dalav. p. 320. no. 746.f — Foliis oblongis vel oblongo-lanceolatis (5 — 8 poll, longis, $1\frac{1}{2}$ — 3 poll, latis, petiolo V_a — 7« poll, loogo) acumiatali, basi acuiusculis trinerviis venulosis integerrimis firmis; paniculis parce r^nnotit folio multo brevioribus. — *Chondrospermum? coriaceum* Wall. Cat. 283b? — In Borneo.

XV. IJIGUSTRUIS *Tournef.*

(DC. Prodr. VIII. 293. — Wlprs. Reperl. VI. 462, Annal. I. 501.)

1. *L. IDOTA Sieb. Dot. Vcrh. XII. 36. — Blume, Mus. bot. Lugd. Bat. p. 312. no. 720₄ — *I. obusifolium* Sieb. ft Zucc. — Wlprs. Annal. I. 501. no. 1.
 p. *obovatum*: Hamulis novellis liiricllis; foliis obovatis ($\frac{1}{a}$ — $1\frac{1}{4}$ -poll., 5—8 lin. latis) obtusis vel rotundatis glabris.
 Y* *angusUfolium*: Ramulis novellis subhirlis; foliis oblongis vel ovuli - oblongis IV»-i - poll., 3—4 lin. latis, ulrinque obtusis glabris.
 5. *velutinum*: Ramulis novellis subhirlis; folijs ovalibus vrl oblongis ($\frac{1}{a}$ — $1\frac{1}{2}$ -poll., $\frac{1}{a}$ — 1 poll, latis), utrinque obtusis, subtus volutino-pubescentibus.
2. L. CILIATUM Sieb. rass. ex Blumcl. c. no. 721. f — Ramulis novellis pcduoctisquo subpubescentibus; foliis ellipticis lanceolatisve (V? — $1\frac{1}{2}$ poll, longis, 4—8 lin. latis, petiolo 1 — $1\frac{1}{2}$ lin. iongo), utrinque aitenualis vel obtusis vel rotundatis, in-inarginc et ulrinquo in nervo medio puberulis; racemis lerminalibus simplicibus paucifloris rarius paniculatis; calycibus truncatis vel obsolete dentatis glabris. — *L. Ibot* Sieb. Gt Zucc.
 p. *spathulalum*: Ramulis novellis pube brevissima scabridis; foliis spatKulatis (Vi— $1\frac{3}{4}$ poll, longis, $\frac{1}{4}$ — $\frac{1}{a}$ poll, latis), margino obsolete scabridis, caeterum glabris.
 Y- *heteroyhyllum*: foliis ellipticis vel obovatis. — In Japonia.

3. L. RETICULATUM Ulme I.e. p.313. no. 723. f — Ramulis novellis puberulis; foliis c basi acutn vel acutiuscula ovnlis vel elliptiuis lanccolaiisve (t'A—4-poll., •/«—2¼ poll, latis, petiolo 4—7 lin. longo) acuminalis reliculnto-venosis, adullis glabris vel ad nervum medium subtus uonnihil pubesceniibūs, junioribus supra ad raarginem aubtusque puberulis; pnnicula terrainali ramosa patenlissima; calycibūs quadridentatis glabris.— In Japonia.
4. L. RODLSTUM Blnrao I. c. no. 724. t — Ramulis novellis glabriusculis; foliis o basi acula cliiplico - oblongis vel oblongo - lanceotolis (3/i — 4/» poll, long.s, 1 — 1'A poll. latis, peiolo 2—3 liii. longo) acuminalis glabris, venift in ulroque latere circiler 12—15, luxo reticulnto-annstomosantibus; panicutn terniinali amp la diffuse, rbachi ramulisque pulverulento-loinentosis; caljcibus obsolete ilcntatis globris. — *Ymania rohusla* PC. IVodr. VIII. 289. — *Oka robusla* Wall. — Wlprs. Annal. f. 501. n o ^ ft- WgUl. Spicil Neilgbcir. II. lub. 147. tt Icon. pi. hid. or. tub. f242. — In Si Hid.
5. L. UNDULATUM Illume I. c. p. 314. no. 725. f — Ramulis junioribus tomenlosis; foliis u bnsi uculo oblongis vel obiongo - laieeolotis (2 — 372 poll, longis, 1 — 1 Va poll. laiiis, peiolo 2 lin. longo) fa lea to - acuminalis undulalis venulosis glabris; pnnicula lorminah raecmosa Inza divnrcaln, rhaclii rumulisque. loinentosis; cnlycibus obsolete dentalis glabris. — *Vhilhjrea nndulula* Zipp. jnss. — In Novu Guinea.
- b L. WJitdNEHVK Ulme I. c. no. 726. + -». Ramulis unionibus lomeniosis; foliis ellipticis» vel oblongis (iy»— 2V» poll. longia, 1—i/« poll, latis, petiolo 2—2¹Alin. longo), ultrique acutis vel npicc obtusiusculis venosis glabris, in nervo medio subtus pubesconlibus; panicula lerminali coarctalu, rbachi ramulisque lomeniosis; calycibus, oboalcui denialis glabris. — In iusulis IMiilippinis.
7. L. GLOMEHATUM Dlumo I.e. iu>.727. f — Ramulis junioribus tomontosis; foliis o bast acuta elliptieo-oblongis vel oblon^o-lanceolatis (2/«—3¼ poll, longis, 1—1 % poll, latis, petiolo 2—3 lin. longo) aculia vel acuminalis vel obtustusculia venosis glabris; panicula tertninali glomcrata, rhachi ramulisquo pubesceniibusj calycibūs obsolete quadridenUilis glabris. — In Java.
- b. L. OBTUSIUSCULUM Blumo I. c, no. 728. + — Ramulia junioribus tomontosis; foliis e-basi acuta elliptieo-oblongis vel oblongo -lanccolalis (t'A—¹A poll, longis, 9—14 lin. latis, peiolo 2—3 lin. longo) ncutis vel plcrumque obtusiusculis vonulosis glabris; paucula terminal! divaricata, rhaclii ramulisquo villosiufaculis; fleribus brevissime pe'dicellatis; calycibus truncniis vel Obsolete quadridcnlalis glabris. — *Phillyrea robusta* Blume, Oijdr. p. 681. — In Java aliisque iisulis ndjoceuibus.
9. L. ROXBURGHIIH niunfo I. c. p. 315. no. 729. f — Ramuli* novellis glabriusculis; foiiiis c basi acutiuscula ovatis vel ovato - oblongis (3—47a poll, longis, 174—27! poll, latis, peiolo 3—4 lin. longo) aculis vel acuminalis venosis glabris; panicula lerminali divori-ealo glabra; flonbus brevissime pedicllniis; calycibus quadridentalis glabris. — *Visiania paniculata* DC. Prodr. Mil. 289. no. 2. — In China.
10. L. WA^LICMII Illumē I. c. no. 730. -f — Ramulis novellis subtomenlosis; foliis e hasi acutn bvalis vel tlliplicis aculis vonosis glabris; pnniculac terminal is rhuchi pedicellis-que vclutno - tomonlosis; calycibus obsolete dentatis glabriusculis. — *Visiania grandiflora* Dti. I. c. (ex p.) — *Olca grandiflora* Wall. Cat. 28*0. — In Nepalia.
11. L. CANDOLLEANUM Blume I. c. no. 731. f — Ramulis novellis puberulis; foliis a baai acuta vel rotundata ovatis vel ellipticjs (IV*—2% poll, longis, 10—14 lin. latis, petiolo l/i—2lin. longo) acutis vel saepe obtusis venosis glabris; paniculae terminalis ramis subvetulinis; floribus subsessilibus glomerulatis; calycibus truncatis vel obsolete deota^s pulverulenio - scabridis. — *Visinma giandiflora* DC. I. c. (ex p.) — *Olca Ro.v-bwghii* Wall. Cat. 281 e. E. - In Nepali a.

f Icon addenda.

- L. NEILGIERRENSE Wgtt. - frlprs. Annal I. 501. no. 3. — Wght. Spicil. Neilgli. II. lab. 1M.

11. CIL ELLIPTICA Blume I. c. no. 743. t — Foliis ellipticis ($4\frac{1}{2}$ —6 poll, longis, $2\frac{1}{4}$ —3 poll, latis, petiolo 2—3 lin. longo) utrinquo aculis chartaccis nruoto - venosis glabris; racemulis axillnribus solitariis ram0sis, folio multo brevioribus; petalis linearibus. — In Archipelago Indico.

XVII HISTOCIERA Swrtz.

(DC. Prodr. VIII. 206. — Wlprs. Repert. VI. 462, Annal. I. 502.)

1. *L. INTERMEDIA WgbJ. — Wlprs. Annal. I. 502. no. 1. — Wght. Spicil. Neilgterr. II lab. 149.

Ordo CXLIV. JASMINEAE K Br.

(DC. Prodr. VIII. 300. ft 674. - Wlprs, Report. VI. 463, Annal. I. 502.)

II. JASMOTJM Tournef.

(DC. Prodr. VIII. 301. ft 674. — Wlpra/.Repert. VI. 463, Annal.'I. 502.)

Sect. I. UNIFOLIOLATAE. Foliis plerumque opposilis.

Calycis lobis subulahs elongatis.

1. J. PAUCIFLORCM Omh..in Hook. Niger Flora 443. t — Ramulis hirsulis; foliis oppo-
siils breviiier petiolatU ovalis acuminatis, subtus peliolisquo pubescentibus, supra de-
mum glabris; pedunculis subbidorfc; pedicellis elongatis, superne iucrasaalis; calycis
lobis circa 6 subulntis. — Habitat in,Africa tropca occidentalali.
2. J. TETRAPHIS Wght. ft Gardn. in M'Clellaods Calcutta journ. of nal. hist. VI. 55. adu.
— Scandens glabrum niudum: rnmis ramulisque lerelibus, peliolis geniculaiis; foliis
oblongo-lancrolalis, basi acutisu, a pic em versus aitenuptis trinerviis; floribus 3—6-nia
sessilibus termnalibus; caljcia laciniis quaicrnis rarlus binis ternisve subutatis ereclis,
corollae tubum dimidium aequaniibus; corollae limbo 5—6-lobo, lobis lanceolatit acu-
tis lubo brevioribus. — Af(lne *J. launfolio* Rxb. sed differ flforibus scssilibus lobisque
calycis paucbribus. Flores albi fragantes. — Neilghornes in India orientali. • v
3. I. SUAVISSIMUM Lindl. in Mitchell, Journal of tropical Australia pag. 355. adn. f —
Herbaceum: ramis nngulatis; foliis sessilibus simplicibus alternis oppositisque tinoari-
ianceolaiis; pedunculis Rolliariis unifloris, supra medium bibrncteatu foliis loogioribus;
sepalis subulntis; corollae laciniis 5—7 acmissimis. — Grescit in Australia orientali
Iropica.
4. J. AMOENtM Blame, Mus. bot.Lugd. Bat. p. 27a no. 600. f— Ramulis, petiolis pedun-
cuiisque dense hirsulis; foliis e basi obtusa vel subcordata oblongis vel oblongo-lan-
ceolatis ($4V_a$ —8 poll, longis, $1\frac{1}{2}$ — $2V_a$ poll, laiis, peiolo 3—5 lin. longo non oriiculato)
longe obtusiuscule aouminatis membranaccis vol diartaceis, supra glabriusculis, subLus
imprimis in nervo medio pubescenlibus ot in axillis venarum bmbaifs; cymis peduncu-

latis ixillibus et terminalibus trifidis vel trichotomis, calycis lacinus 5 subulatis latus
suns et laemis corollae 5—7 oblongo-lanceolatis tubo corollae fere duplo brevioribus

p Folis mgosis in acumen productis — In Celebes

- 5 J WAIYIAMJM nunc 1 c 271 no BO I f — Scandens ramulis terclibus petiolistjue
subloiniosis folis e Insi lotiulaia ollipticis (5—7VJ poll longis 2'—3% poll la
Us petiole 3—4 lin longo, m< dio iiiiul il() m nuincn obtisin<;cillum produclis mru-
bramccis suprn gibus sublus imprimis in nervo medio vemsque pubeuliss ei lit ve
norum nxis Inrlialis c\mis pedunculis terminalibus densillons calvcis lacinus su-
bulatis hirtellis cjusdcin tubo duplo longioribus — In Sumatra
- b J SII III TI NSL Ulumc 1 c no 603 -f — Scandens glabemmiim inuhs icroiibus
folns ovnio oblongs c 1 ovalo hncctohlis {2—3½ poll longia, '«—1½ poll lntis pe-
uolo 1'— i lin longo) longc ncumiinlis chalnccis timenus nervis sublus cum |L-
m|< hxo omstomosanuhub superuc LV incbentibiis jteduntulis ixillanbus et itrmi-
nibus subuHillons bi- v<d phiribiacu ohu> ptiolo prum longionbus caljtii lacinns
(i—7 suliuil His lubo rorolhc diniidio bicvioillu^ hciniis coiollac b—ti linean-lancoo-
lilis lubo |iulo bitvioubus / hinayL Wall C w ^S48 — ()(Piodi VIII 301 no
Id (ex p) — In Indnc oncnlalis pio\ bilhet
- ? J SLDTRIPLINFRVL Dlumc I c p 272 no 605 f — Scandens luum calycibus ex
c pus glncbcmium folns o\ito ublungis vel ovno - hncoolali* (2Vi—3'A poll longi^
1—1'A poll lalis, ptiolo 3—5 lin longo) longissimo acummolis membrauactis sub
tijdinci VIII nervis subtus vix vel inconspicue cum venulis innstomosanlibus, suptmc
evnccniiibus pedunculis tcrnimilibus subnccmiftns axilloiibuft uui- vel sarpus
umbtlhlo-tiilloris cnlvcis hcintu» 5—7 cjusdem tubo duplo longioubus subulalis pubc
stabudis — J UITUut V\ ill (ex p) — In Iiidn oticnnli
- 8 J LINDI LVAMJM Llumc 1 c no 606 f — Scandens glabeminum ramulis teieilms ,
folus ovatis vel o\ao - oblOngis (2³A—4 poll longis, IV»— 274 poll Idlis, potiolo 3~5
lin longo) acuminaus subtoriaccis iintrvns, nervis cum veins piucis irausvtrsalibus
anasiomosanlibus supomo evnccscontibus c>mi lerroimli |Tiuuflora, tilvcis IUCIIIS
6—7 subulalis tubo coiolhu inulto brtvionbus, coiollae liumis 7—8 lanccolatis lubo
brcMonbus — J Inncive Liudl liot Het, t 918 (nee alioi) — In India onentali
- 9 J IirmOIM I UILLM Blume 1 c no (07 f — Scandens ramulis telibus, jumoi-
ibus cum icduiKiibs c ihcibusque pubcruli^ folns o\ uis vtl o\ilo-lanceolalis (2—3¾
poll longis ¾—1 poll IJIS petiolo 3—4 lin lon^o) long ssnnc nccmmolie, conacei*
pciuu- vtl inLidiini in- \<l tripliivii^ supn glibcinmc sublus Icpidoto-punclaiis
luduuulis Icimindibus soliliuis \tl Utinis umbclhlo-3—9 (Ions, ctlycis lacinns 5—7
siibul H* pubtiu mil us lubo coiolt 4—5-plo broioubus coiollnt lacinus 6—7 Ion-
LCOIII* ij ituhi * lub) ft ic duplo bicuunbus — In India ouentah
- 10 J QI3INQULM RMIM llumf I t i> 273 no 608 -\ - Scandens nmulis itielibus
jiinioribn« (Oinpusso loirliusculis il peliolis ciljcibusque pubcru^s, folns subro-
lundo ovnlis o\alibusvc (%—1% poll longis, 7J—1'ApoII Idtis, peilolis IVa—I lin
longis linen hirlula juucis medio uiculaiis) aculiusculis vel obtusis mutronniis
quui(iip \il nxiincr'iis (nervis s \tns supra impressis) subcoiincus glabiuuscflilis
in IKIVO mtdio cl veins Mibtus pubc r in deliquescenlo obsilis flonbus in npice ra-
muloium toiyboso-uuiltllaiii, cilytis lacinus 6—7 lini i - subulaus corollae tubo
(7—8-Un) duplo hrtvionbus, corollae lacinus 7—8 ovalibus \el oblongis obtusis
mucionulatis tubo fere duplo brevionbus — In monlosis insulae Javae
- 11 J MIXTINERVIUM Blinio I c no 609 f — Scandens ramulis terelibus, junionbus,
peliolis calvcibusque tomentosis folns e basi rolundia ovatis vel ovalo-oblongis
(1'a—2½* poll longis "A—1 poll latis puiolo 2—2'A lin lbngo medio aiculato
folns Hoialibus minonbus suhioinndo ovaiis o\alibus\c mucronalis) acutis vel obtusis

iiiiicronaiis membranaccis penni- vel saepius mixtincerviis (nervis subtus Inxc an as to-moflanilbus), margiuo el in ncnro medio imprimis sublus pubigoris; floribus ad apices ramulorum in umbellis paucifloris breiitw pediccllatis; calycis laciniis 0—8 subulalis, corollae tnbo (ft-lin.) triplo brevioribus; corollae laciniis 8—9 lanceolalis acuminalis in bo iluplo brovioribus. — In moniosis Javae.

12. J. SUBKLOftGATUM Blume 1. c. pag. 274. no. 610. f — Scandens: ramulis tcreiibus, junioribus, petiolis cahcibusque tomoniosis; foliis e bnsi rotundaln vel subconlata ova-tis vel ovato-oblongis (1'A—3 poll, longis, V«—1'A poll, lolia, petiolo 2—3 lin. longo, infra medium articulalo) aculis vel ocuminaiis membranaceis penninerviis, supra pu-berulis vunisque impressis, sublus subtomenlosis; floribus in umbollas lerminalcs .simpliccs vel irifldns congeslis; calycis laciniis 6—8 subulalis crectis corollae tubo (10—11 lin. longo) triplo brevioribus; corollae laciniis 7—11 lanceolatis ncuminatis tubo duplo brevioribus. — *J. elongaium* Ulumc, Ojdr. p. 678. (nec Willd.) — In Ar-chipelago Indico.
13. J. AFFINE Blume 1. c. no. 611. f — Scandens: ramulis teretibus, junioribus, peiolis calycibusquo tomenlosis; foliis e basi rotundata vel subcordata ovalis vel ovato-oblon-gis (1³/₄—2¹/₄ poll, longis, 1—1¹/₂ poll, lalis, petiolo 2'A—3 lin. longo, medio articulalo, foliis fldralibus minoribus ovalis, plcrumque obtusis) acutis vel acuminalis coriaceis penni- vel imerdum inixlincerviis, supra in nervo medio et ad margin em pube rara obi-iiis venisque simplicibus impressis subtus publgeris et in ncrvo medio ft venis bir-tulis; floribus in apice rnmulorum subumbellalis; calycis laciniis fc—7 subulalis reclis corollae tubo (3¹/₂-lin.) vix dimidio brevioribus; corollae laciniis 8 ovalibus obtusis mucronulais lubo paulo brpioribu*. — In Archipelago Indico.
14. J. SUHPUBESCENS Blume 1. c. no. 612. f — Scandens: ramulis leretibus, junioribus, peiolis calycibusque tomenlosis; foliis e basi rotundata vel subcordata ovalis v. ovalo-oblongis (2—3 poll, longis, 1—1'A poll, latia, petiolo 2—4 lin. longo, medio articulato, foliis floralibus minoribus ovalis acutis) acutis v. acuminalis v. raro obtusiusculis mu-cronaiis subcoriacei9 penninerviis, supra imprimis in nervo medio et ad marginem pube tandem evanescento obsilis, sublus in ncrvo inedio el venis (supra impressis sim-plicibus) birtulis; floribus fasciculatis lcninalibus subsessilibus; calycis laciniis 6—7 subulalis reclis tubo corollae (8—9 lin. longo) multo brevioribus. corollae laciniis 6—6 ovalibus obtusis, plcrumque mucronulais, tubo duplo brevioribus. — In sylvis montanis Javue.
15. J. PEDALE Blume 1. c. no. 613. f — Caula humili; ramulis terciibus subscandentibus cum peliglis calycibusque tomentosis; foliis e basi rotundata vel subcordata ovalis (Vi—1¹/₄ poll, longis, 7—9 lin. latis, petiolo 1'A—2 lin. longo, medio articulalo) acutis vel acuminalis coriaceis pennincerviis (venis supra impressis et lenuiier reiculatis), supra puberulis vel londem glabriusculis, sublus mollitr tomentosis; floribus fascicu-latis terminalibus subsessilibus; calycis laciniis 6—7 subulalis reclis, lubo corollao (8 lin. longo) multo brevioribus; corollae laciniis 8 ovali-oblongis obtusis, saepe mu-cronulatis, tubo duplo brevioribus. — In Java.
16. J. FULVUM Blume 1. c. p. 275. no. 614. f — Scandens: ramulis toretiusculis, peiolis calycibusque fulvo-tomeniosis; foliis e basi rotundata ovntis vel ovalo-oblongis (2—2¹/₂ poll, longis, 1—1¹/₂ poll latis, petiolo 2—3 lin. longo, medio articulalo), looge acuinU natis (noralibus vulgo obtusis) coriaceis penninerviis, supra puberulis et renis sim-plicibus impressis, sublus birtellis; fasciculis terminalibus paucifloris; calycis laciniis 6—7 lmeari-subulatis\ tubo (10-lin.) corollae quadruplo brevioribus; corollae laciniis 6—8 oblongo-lanceolalis aculis lubo duplo brevioribus. — In Sumatra,
- it J. PENDULUM Blume 1. c. no. 615. f — Scandens: ramulis teretibus pendulis cum pe-tiolis calycibusque tomenlosis; foliis distichis e basi subcordata ovalis vel ovaio-ob-longis lanceolatisve (1—1'A p^H longis, 6—10 lin. lalis, petiolo 1'A—2 Im. longo, infra medium articulalo) acutis vel acuminalis undulalis membranaceis penninerviis in nervo

medio ci nd marginem supia obsolete puberulis subtus ad n en urn mediam tomentosus ,
umbrellis ixillmbu«> pauuflou* biactcis persisientibus ovaiis subpubescenlibus invo-
luu m« ciltcis l icimis b—7 8ubuliib ejusdem tubo duplo Jonglonbus — Habitat in
I II I 011t II ill

IS J V MMI I \UOIII s Blume 1 c no Mfi f— Siandms ininulis terctibus jumoribus,
IUIIIMI iluiliusque pulw iiltlno sub< MH ntosis, f)lnc b.Tsi lolunddtavcl subcoiriaia
ov IUN HIIIIUM\ (I¹/— Z P<H Ion.,* 10 —11 lm hii- pcuolo 2 —3 lin longo, medio
min ul to) auitis inticion no (i imiioiinn (lonfcioriini pjms *ubiotundis vcl subio-
lumlo-t i id ills) stln OIK eis p< niniii i VII*, ghluUM uln m i)(i\o midio impiimis sublus
toinmusis (lotibiid ID apic< iimiloitim subumbelljllis bievilci pedicellali*, calycis
he mil. 0—7 siibuhii> tulio (xmipollicari) coiolho tuplo brevionbus, coiollne laciius
0—7 1 iru CL I ilis ipiui l ills tubo duplo hicvionbus — In Moluccis insuls

IM J Dlsllt ILM IHIIIM 1 (no (17 f— Sduilens rnmulis Ircubus peliohs cnlycibus-
(u< tuiuciiotis foliii tij)llo\nnalis diilitliib, c ba>i rotunddU vcl subcordala ovaiis
(/,—l'/iio11 lonki>» A—1 poll luii> pdiolu l¹^—I lin longo, mtdio ailiculalo),
lulus i MIIIIIOmil lloulcioium ininoubus o\alis \d coidilis dtulis \tl oblusis mucio-
uiihlis siibtoiidccis ln nnirid vii> supii pubciulis subluti vtlutnus ct ad ncrvum me-
dium IOTH (ilosia lloubu^ 3—5 nd npicos mnuloiuin subumbellntis breMlei pedicel-
htis c ih cis l iLinns b—7 subuhis reclia tubo coiollao (7 lin longo) duplo vcl
tnplu bfcvionbus, coiolhc lacius 8—11 lincolatis aculis vcl inuci*onulatis lubo
paulo bicvionbus — In Sumatra

^0 J I KiLbriUNLM Ulumc I c p 27b no (AS f— ScanJcnq ramuhs tciitibus, petiolis
cihcibusque tomcniosis fulus appioxinnlis dislidns, c bisi subtoiditn ovato-oblon-
gis (1—l'/ poll lon, is T—* III lui> ptuolo V/t—Z lin longo inedio articulato),
folub iiiimloi inn (loud ioium iiiinoiiJiii^ tui<lji> vcl rord ito-oblongis aculis vcl acu-
min itis nmciioiul U> MIJCUIIJCIS pcniiiui viis, iminimis manginc puberulis el ad net-
vum mLdium sublus tuii niosis , llonbus bicviler podiccllalH ad npiccs lamulorum
in umbella^ bimpliccs vcl subliilldas congciis cahtis lacimis b—7 subulais tubo
(8—9 lin longn) coiolhe Inplo vcl frio qmdruplo bicvionbus, corollae lacimis b
larissiiuc 7 lanceolate (4—5-lin) iipiculaiis, lubo duplo brCMOiiibus — In Archipelago
Indico

21 J VULCVMLLM Blumo 1 c no (>19 f— Scandens laniulis terciibus, peioliis calyci-
>usque lomenlosis, folus o ba^i roiruhla ovnio-lanccolatis (10—14 lin longis, 5—b
lin 1 ills pctiolo i'A—2 lin longo iu(dio aiticulito, folns lloinhbus minonbus ovaiis)
oblusiusculi* inucionuhlis comccia pennincnns, supia puberulis, subjus vclutims
floribus bre\issime podiccllalis in pedunculis bicvibus axillaubus el lerminalibus sub-
uinbell'Uis, cilycis lacmus fa—7 subulalis ncurvalo - paienlibus, corollae luBo (7 lin
longo) mulio bicvioubus corollae ILLIVUIS (4 lin longis) tubo brevionbus — In Ar-
chipchgo Indico

22 J roPULIFOUUW Dluma I c no 620 f — Rdmulis terctibus cum petiolis, pedunculis
caljcibubque pulveiculnio - tomentosus, folns o basi subiotundata ovatis (2—2³/₄ poll
longis, 1—l'/a poll I itis peliolo 3—4 lin longd, infra medium articulato) longe acu-
mmittis menibranceis pennncivns, praesertim sublus stellato - puberulis et in nervo
medio tomentosus, corymlns terminahbus tricholomia, calycis lacimis 6 setaceo-subu-
latis tubum (4 lin longum) corollae fcic adaequantibus, lacimis corollae 6 oblongis
apiculalis, tubo paulo bicvioiibus — In insulis IMulippinis

23 J ACUMhNATISSIMUM Ulumc I c no 621 f— Scandens lamulis teretibus, junion-
bus peiolibque obsolete puberulis, folns e bisi rolundaia vel subcordala ovatis vol
oMongoo-ovatia (I', — 2'A poll lon, is 10 —^r Im lali* peliolo I¹/*— 2 lin longo, imo
huUilo infra medium articulato) acuumdlissimis conaceis pcnmncrvns glabns, um-
bellis ramulos iimiuuanubus subscsilibus piuciilori¹}, calycis lacinus 6—7 selaceo-
subulalis pubc&cenubus tubo (10—11 lin longo) colollae quadruplo bievionbus,

corollae lacimis 7—8 oblongo-lanceolalis ($5\frac{1}{a}$ —* lin. longis) acute plerumque apiculatis, tubo vix duplo brevioribus. — In insula Java.

24. **J. FORSTENII** Blume I. c. p. 277. no. 622. + — Scandens: ramulis teretiusculis, junioribus subtetrngonis cum petiolis calycibusque obsolete puberulis; foliis e basi subcordata vel rotundata ovatis vel ovalo-oblongis ($1—2\frac{2}{i}$ poll, longis, $\frac{*i}{i}$ — $1\frac{1}{A}$ poll, latis, petiolo $1\frac{1}{a}$ — 2 lin. longo, infra medium articulado, foliis floralibus minoribus ovatis vel ovato-lanceolatis) nervis vel acuminatis mucronulatis coriaceis penninerviis (venis supra fere inconspicuis) glabris; floribus subsessilibus in fasciculos axillares vel ramulos terminantes congestis; calycis lacinis 4—6 setaceo-subulatis rectis pubescentibus, corollae tubo (8 lin. longo) fere triple brevioribus; corollae laciniis 6—7 oblongis vel oblongo-lanceolatis apiculatis, tubo vix duplo brevioribus. — In insula Celebes.
25. **J. ENSATUM** Blume I. c. no. 623. t — Scandens: ramulis teretiusculis, junioribus, petiolis calycibusque tomentosis; foliis e basi rotundata ovatis vel ovato-oblongis (2—3 poll, longis, 11—15 lin. latis, petiolo $2\frac{1}{i}$ — $3\frac{1}{2}$ lin. longo, infra medium articulado) acuminatis coriaceis. penninerviis (venis supra immersis simplicibus) glabris vel in nervo medio subtus junioribusque nil marginem puberulis; floribus in ramulorum apice fasciculatis; calycis laciniis 5—6 subulatis compressis, primo rectis, dein falcatis, corollae tubo (8 lin. longo) duplo brevioribus; corollae laciniis 6—8 oblongo-lanceolatis acuminatis apiculatis, tubo vix duplo brevioribus. — In sylvis insulae Celebes.
26. **J. CARINATUM** Blume I. c. p. 276. no. 626. + — Scandens: ramulis teretibus, junioribus, petiolis calycibusque pube minutissima scabridis; foliis suboppositis e basi acutiuscula oblongis lanceolatisve ($2—3\frac{1}{*}$ poll, longis, $\frac{1}{*}$ — $1\frac{1}{Y}$ poll, latis, petiolo 3—4 lin. longo, medio articulado) aruminalis chartaceis reticulato-venosis glabris, in axillis venarum subtus barbatis; cymis corymbosis terminalibus; calycis laciniis 4 subulatis canalicatis ejusdem tubo duplo longioribus. — In insula Celebes.
27. **J. HASSELTIANUM** Blume I. c. no. 627. f — Scandens glabrum: ramulis teretiusculis; foliis e basi ovata ellipticis vel elliptico-oblongis ($3\frac{1}{V}$ — $6\frac{1}{*}$ poll, longis, $1\frac{1}{*}$ — $2\frac{1}{*}$ poll, latis, petiolo $1\frac{1}{A}$ poll, longo, saepe torto, obscure articulado) acutis vel acuminatis chartaceis penninerviis; pedunculis axillaribus univulatis vel subumbellato-paucifloris; floribus longe pedicellatis; calycis laciniis 5—7 setaceo-subulatis, apice revolutis, corollae tubo paulo brevioribus; corollae laciniis 8 linearilanceolatis acuminatis tubo paulo brevioribus. — In Java occidentali.
28. **J. INSIGNIS** Blume I. c. no. 628. f — Scandens glabrum: ramulis tetragonis; foliis suboppositis cuneato- vel elliptico-oblongis lanceolatisve ($3—6\frac{1}{*}$ poll, longis, 1—3 poll, latis, petiolo 7—11 lin. longo, vulgo torto, medio obscure articulado), utrinque angustatis, rarissimis apice obtusis vel rotundatis membranaceis submixtinerviis (nervis binis basilariibus infra medium cum venis anastomosantibus); floribus longe pedicellatis in racemos vel corymbos laxos axillares et interfiles dispositis; calycis laciniis 4—5 subulatis corollae tubo (11—12 lin. longo) multo brevioribus; corollae laciniis 4—5 ovalibus oblongisve ($8—9$ lin. longis) obtusis vel apiculatis, tubo paulo brevioribus. — In sylvis montanis insulae Sumatra.
29. **J. AMRIGUUM** Blume I. c. no. 629. + — Scandens glaberrimum: ramulis teretiusculis striatis; foliis oppositis vel ternis verticillatis alternisve ovalibus ovatisve ($3—5\frac{1}{*}$ poll, longis, $1\frac{1}{*}$ — $3\frac{1}{A}$ poll, latis, petiolo 7—13 lin. longo, saepe torto, sub apice revolutato), breviter cuspidatis, basi subrotundatis membranaceis penninerviis, supra glaberrimis, subtus obsolete lepidoto-punctatis et in axillis venarum baeatibus; cymis laxe paniculatis vel corymbosis terminalibus multifloris calycibusque puberulis; calycis laciniis 4—4 subulatis brevibus patentibus; corollae laciniis 5—6 ovalibus mucronulatis tubo ($6—7\frac{1}{a}$ lin. longo) duplo brevioribus. — In Archipelago Indico.

** *Calyx subtruncato -vel breviter deniato.*

30. **J. GARDNERIANUM** Wight. Ulustr. of Ind. bot. II. pag. 159. tab. 153. f — Fruticosum scandens et volubile glabrum: foliis ovatis uddulatis reusis acutis, petiolis prope basi III.

sin articulolis; pedunculis folia subaequantibus, calyce quinquedentato, dentibus brevibus acutis, corollae limbo circiter 8-lobo, lobis lanceolatis acutis lobum aequantibus, juncus oblongis, connective) in acumen protracto, ovulo in loculo solitario amphitropo, bauc abortu solana oblonga ovali, utrinque obtusa, obscure purpurascens — In India orientali (Coimbatore)

31 *J. PLIAMIUM* Dume I c p 273 no 608 f - Subscandens glabrum ramulis Itredibus, folis e basi subrotundata vel acutiuscula ovatis vel ellipticis (2¹/₂ — 4 poll longis, 1¹/₂ — 2 poll latis pellolo 4—5 lin longo, medio ailiculato) acuminati? mucronulatis monribianacis petimnemis, in axillis \cuarurii subtus barbati, cynus corimbosus axillaubua et terinrnlilu<> mulufloris calchihusquo scjbnusiuli*, calchis dentibus 4 brevibus ovatis mucronulatis, enrollJC laciniis 5—6 lanceolatis (d¹/₂ — 4 in) subacuminatis vel apiculatis, tubo (7—8 IIII longo) duplo brevioribus — In fruticibus Amboinae

M. J. I. LIU ATUM Ulumc I t no 609 f — Scandens glabrum ramulis lerehibut, juniontus icroii - cympressis folus u basi acutiuscula ovato - oblongis vtl ovaio-lanceolatis (2—3¹/₄ poll loniMb, 10 — 15 lin Inns, peliolo ^—4 lin longo, medio articulato) longis ii iiiiiiiiiii inussinio oblusiusculis, subtonactu* tn- vel liiplmerMis, nervis cum venis paucis iraiiiversilibuana4iaino>an(iilus hupia medium evancsLCntibus, in axillii subtus glandula baibaia intsiuctis, tjmis axillanbus et termmalibus laxis infions vel furcalo-pauciflons, talyco bietusimc (luinquedondculato, coiollae lacimis 5 oblongis aculis tubo brevioribus — Java

Sect. II. *IRIFOUOLAIA*: folis oppositis trifoliolatis; flonibus albis.

Lilyca bievitci dentalu

33r **J. LINEAHK* R Dr — DC 1 c 311 no 73 — 11 Dr tns in Stun Epedit Centr Ausial II App 82 — *J. Mithellu* Lindl mas in Mitchell, Journal of tropic. Austral 365 adn

34 *J. HURMANNIUM* Duiuo I c no 610 f — Glabrum ramulis icretiusculis, ulumis subtelragomis, folus infoliolatis, foliolis o basi rotundata ovatis vel ovato - oblongis (leiminoh l¹/₄—2 poll longo, »₁—1 poll bio, poiolulo •¹/₂—1¹/₂ poll longo, lateralibus vubaessilibus roiiiiibus) atunnriiia |el obiusiuscule acuiuinaiis cum mucrone menbianaccis vonosis, IN >oiarum axillis subtus barbatis, pedunculis leimialibus racemifena, axillanbus uinbellato - tridons lulo biu\ioribu:> pedicellis colyce cupulan truncato oh>oleto donin ulnto longioribus, corollae lacimis 5 oblongis oblusiusculis tubo brevioribus — *I. zommm* Unn H linlic b ot Ihes Zcylic 127 t. 98 flg 1 — In Zeylama

35 *J. HILSTRIUM* Ulumc I c p 280 no 634 f — Procumbens vel scandens: ramillis terebus peliolisiiut subpubculii, folus trifoliolatis, foliolis brovier peliolulatis o basi rotundatfl anguste laucooldtis (lei innali 3—4¹/₂ poll longo, Vi—¹/₂ poll lato, lateralibus 2—3¹/₂ poll longis, 4—H lin Iolis) subuhilo acuminati>siinis vel obtuse acuminatis cum mucrono conaceis glibus. sublneiMIS, nervis lateralibus subtus cum venulis laxenaaatomoMAniibia mlro medium evantscenlibus, pomculis tormmalibus at axillaribus laxis multiflons et calyce cyaihiforini acute denllculato puberulis, locinns eVrollae 4—7 ovatis Dtutia tubo (4—5 lin) duplo vel tuplo brevioribus

(3 *contraclum* foliolis obtuvis, paniculis contraclis. — In Nova Guinea

3d *i. AICHANTIUM* R Dr in Sturt, Kxpedil. Conir Austral II App p. 83. f — doeico-pubcicens. folnu terruitis, foliolis lanccolnto - lineanbus, pedunculis oxillaribus 1—3-flons, corollae Incinis obiusis* duuidio lubi brevioribus — In Nova Hollaodia centrali

" *Calyns lacmus elongatus*

37 *J. SIEBOLDIANUM* Dume I c no 635 f — Fruticulosum erectum* ramulis angulato - tetragomis petiolisquo subtihssimo puberulis, folus trifoliolatis ranssime simplici-

bus; foliolis setsilibus e basi acutiuscula oblongis vel ovato-oblongis (terminoli $\frac{1}{2}$ —1 poll, longo, lateralibus 6—10 lin. longis, $2\frac{1}{2}$ —4 lin. latis) obtusiusculis mucronatis subovatis, supra juxta marginem et ad nunc medium subtus scabriusculi; floribus praecocibus ad ramulorum nodos 1—3, singulis pedunculo brevi bracteato suffultis; calyce 5—6-fido glabriusculo, lobis oblongis obtusis mucronulatis, corollae tubo (5—6 lin. longo) triplo brevioribus; corollae lobis 5—6 rotundatis tubo brevioribus. — In China.

Sect. IV. *JINNATIFOUA*.

38. M. OFFICINALE Linn. - DC. 1. c. 313. no. 86.

p. *Bosporicum* C.Koch, Linnaea XXIII. 521. f — Caulis minus scandens romosissimus, ut rami angulati glaberrimi; folia 2—3-juga, petiolo angulato, foliola parvula, impar majus, ovato-lanceolatum, sed saepe eodem basi aenuatum, lateralia ovaio-oblonga, acuta, sed petiolata aut basi lata connate, omnia supra et margine aspera, subtus glaucescentia; pedunculi terni am trinati, hirio-asperuli, folia superant; calyx hirtulus, laciniis linearibus tubo suo duplo brevioribus; tubus corollinus calycem duplo superans, lobis lato oblongis acutis sesquialongior. — Ad Bosporum.

t Icones addendae.

- J. KRECTIFLORUM A. DC. 1. c. 306. no. 50. — Wlprs. Annal. I. 503. - Wght. Spicil. Neilgh. II. tab. 150.
 J. STUDIFLOMUM Lindl. — Wlprs. Reperi. VI. 463. no. 2. — Morren, Annal. do la soc. d'Ortic. de Gand IV. 407. t. 223. — Paxt. Mag. of bot. XV. 173. (c. ic.)
 J. REVOLUTUM Linn. — DC. I. c. 312. no. 79. — Wlprs. Annaj. I. 903. — Wght. Spicil. Neilgh. II. t. 151.

VI SCHREBERA Uxb.

(DC. Prodr. VIII. 674.)

1. SCHR. SWIATEMOIDES Itxb. — DC. 1. c. 675. no. 1. — Wght. Illustr. of Ind. bot. II. tab. 162.

Ordo CXLV. APOGYNACEAE *Undi*

(Alph. DC. Prodr. VIII. 317. & 675. - Wlprs. Repert. VI. 464. ft 742, Annal. I. 503.)

Tribus I. *WILLUGHBEIAE* Alph. DC. 1. c. 318.

Subtribus I. *ALLAMANDEAE* Alph. DC. 1. c.

I. *ALIJAJHASTDA* Linn.

(Alph. DC. Prodr. VIII. 318. — Wlprs. Repert. VI. 464.)

1. *A. AUBLETHII* Pohl, PL Brasil. I. 74. — Hook. Bot. Mag. t. 4411. (nee 4911.) — Morr. Ann. tie la soc. d'agric. de Gand V. 13. f t. 234. — Subscandens glabra; foliis oblongo - ovatis acuminatis breviter petiolata, glandulis minutis acutis; paniculis multifloris aphyllis; calycis lobis lanceolatis patentibus; corollae maximae tubo gracili elongato, faucem nullo - campanulatum aequantem, limbi lobis rotundatis acutis, basi oblique unidentatis. — *A. grandiflora* Lam. Diet. IV. 601? — *Obelia grandiflora* Aubl Guian. I. 271. tab. 106. — Habitat in Guiana.
2. *A. SCIOTTII* Pohl. — Alph. DC. I. c. 319. no. 7. — Hook. Bot. Mag. tab. 4351.

Subtribus II. *WILLUGHBEIAE* Alph. DC. 1. c. 319.

II. *CHIOCAJIPIJS* Blume.

(Alph. DC. Prodr. VIII. 320.)

1. *CH. COMPOSITUS* Blume, Mns. bot. Lugd. Bat. p. 152. no. 343. f — Foliis ovalibus, utrinque subacutis et vix transversalibus ubique distinctis; fasciculis in pedunculo trifido paucifloris. — Java.
2. *CH. DENSIFLORUS* Blume 1. c. no. 314. f — Foliis cuneato-oblongis cum acumine brevi obtuso, venis transversalibus supra distinctis, subtus obsolete; fasciculis compositis densifloris. — In insula Sumatra.
3. *CH. GLOIULIFERUS* Blume 1. c. no. 345. f — Foliis lanceolatis vel oblongis, utrinque attenuatis vel apice obtusiusculis, venis transversalibus supra obsolete, subtus indistinctis; fasciculis brevissime pedunculatis subglobosis. — In insula Borneo.
4. *CH. VEHENIOSIS* Blume 1. c. no. 346. f — Foliis ovalibus obtusiusculis, basi subacutis, margine revolutis, venis transversalibus utrinque obsolete vel plane indistinctis; fasciculis interrupte spicatis paucifloris. — In Archipelago Indico.
5. *CH. TROVIRIENSIS* Blume 1. c. p. 153. no. 348. f — Foliis ellipticis obtuse acuminatis, basi acutis, margine revolutis, venis transversalibus subtus modo distinctis; cymis trichotomis. — *Iluntaria atrovirens* Wall. — Alph. DC. Prodr. VIII. 351. no. 7. — In Iodiarum orientalis prov. Tavoy.
6. *CH. ZEYLANICUS* R. Wghl. Icon, plant. Ind. or. IV. tab. 1288. + — Fruticosus cirrifer; foliis petiolatis ellipticis, utrinque attenuatis, obtuse acuminatis, glabris supraque nudiis, infra (esiccatis) obscure ferrugineis, parateli-venosis; corymbis axillaribus cymosis; calycis lobis late ovatis obtusis ciliatis; corolla profunde quinquefida; stamini-

bus annulo carnosoprope basin tubi corollini insertis inclusis, filamentis incurvis; antheris ovalis apiculnllis; ovario obtuso; stigmateloblongo acuto; fructu . . . ? — Habitat in Zoylvania insula.

? III. **LANDOLFIA** Palis.

(Alph. DC. Prodr. VIII. 320.)

1. **L. FLORIDA** Bnth. in Hooker, Niger Flora 444. f — Rarais foliisque glabris; cymis pedunculdiis muhinoris; staminibus infra medium tubi corollae elongati insertis. — Croscit in Africa tropicn occidentali.
2. **L. MICHELLINI** Bnth. I. c. + — Foliis subtus ramulisque velulino - pubcscentibus; cymis subsessilibus densh; antheris medio tubo insertis. — Flore fere *L. Owartenais*. — Crescit in Senegnmhia.

IV. **WHJLUOHBEIA** Rxb.

(Alph. DC. Prodr. VIII. 321.)

1. **W. UMHROSA** Blume, Mus. bot Lugd. Bat. p. 154. no. 350. f — Foliis elliptico-oblongis obtuse acuminatis, basi aculis subcoriaceis transverse venosis glabris; cymis trifidis petiolum adacquanubus laxilloris; calyce puberulo, lobis ovatis obtusis ciliatis. — Java.
2. **W. FIRMA** Blume I. c. no. 352. + — Foliis ellipticis, utrinque subacutis coriaceis firmis transverse venosis glabns; cymis petiolo brevioribus densis multifloris', calyce glabnusculo, lobis oblongis obtusis subciliatis. — *Tabernaemontana macrocarpa* Krtbbs. lib.
 - p. Foliis oblongo - lanccolatis, utiinque angustatis. — In insula Sumatra.

Tribus II. **CARISSEAE** Alph. DC. 1. c. 323.

Subtribus H. **EVCARISSEAE** Alph. DC. 1. c 324.

XIII. **V.1 H E A** Lam.

(Alph. DC. Prodr. VIII. 327. - Wlprs. Reper. VI. 466.)

1. ***V. MADAGASCARIENSIS** Boj. — Alph. DC. 1. c. no. 2. — Wlprs. 1. c. no. 1. — Alph. DC. Nov. act. acad. caes. Loop. Carol, nat. curios. XXII. II. 396. f tab. 40.

XVI. **MBIiODIIVUS** Forst.

(Alph. DC. Prodr. VIII. 329. — Wlprs. Reperi. VI. 466.)

1. **M. LAXIFLORUS** Blume, Mus. bot. Lugd. Batav. p. 155. no. 854.) — Foliis lanceolatis, obtuse acuminatis, basi angustatis subcoriaceis, venis lateralibus crebris obsolejis parallelis; cymis axillaribus petiolum adacquantibus luxifloris; calycis lociniis ovatis obtusluscnlis, extus margineque puberulis; tubo corollae cylindraceo, limbi lobis falcatis erosio planis, laciniis coronae bre^issimis obtusis fauceque puberulis. — *M. scan^ens* Hssk. Cat. pi. hort. Bog. 120. (nee Forst.) — In sylvis Javae occidentahs.
2. **M. FASCICULATUS** Blume 1. c. no. 355. f — Foliis oblongis vel oblongo - lanceolatis obtuse acamlnaiis, basi subrotundatis vel subacutis coriaceis, venis lateralibus obsoletis subparallelis subtus tenuissirae reticulatis; floribus fasciculatis axillaribus; calycis

- laciniis rotundatis ciliatis; mho corollae pentagono, limbi lobis falcatis crosis undulatis, laciniis coronae brevissimis obtusis fauceque glabris. — In insula Borneo.
3. M. LAKVITATIS Illume I. c. no. 356. + — Foliis lanceolatis, obtuse acuminatis, basi nervis, suboriatis venis lateralibus crebris parallelis sublineis tenuissimis reticulatis; cymis axillaribus peliolum adaequantibus tensus paucifloris; calycis laciniis rotundatis, cymis quinquepuberulis; tubo corollae oblimitato, limbi lobis falcatis crosis undulatis, laciniis coronae linearibus subpapillois. — In Archipelago Indico.

XIV. NKUBUROIIIA *honne*.

(Blume, Musc. bot. Lugd. Bat. p. 156.)

Calyx quinquepartitus glandulosus, lobis rotundatis quincunciali-imbricatis. Corolla hypocrateriiformis, tubo longo cylindrato, fauce nuda; limbi quinquefidi laciniis ovalis nervis incrassatis, praefloratione vatis. stamina 5, apicem lobi miris inclusa, filamenta brevissima, antherae erectae linearis olituae, bases emarginatae dorso alligatae. Musarium nullum. Ovarium elongato-ovoideum, superne in stylis alligatum, biloculare. Ovula in oophoris dissepimento utrinque adnatis plurima, anatropa. Stylus subuliformis, vix exsertus. Stigma stylis crassius, subchavatum, apice biapiculatum. Drupa baccata elongato-ellipsoidea bisulcata, pulvinate crasso libroso tildymo, incomplete bilobata, 2-loculari. Siuinn in loculis abortu solitaria oblonga, angulo interno adnata, ecomosa. Membrum exalbuminosum rectum; cotyledones lineari-oblongae, sibi appressae, radícula brevi cylindrica supera.

1. N. TUBIFLORA Blume I. c. no. 357. + — Fructibus laciniatis. — *Cerbera tubiflora* Jpp. mss. — In Moluccis et Nova Guinea.
2. N. TUBIFLORATA Uluine I. c. p. 157. no. 358. f — Fructibus tuberculatis. — *Cerbera musculiformis* Lam. Encycl. I. H2 — *liankia musculiformis* Griseb. De fructib. I. 221. — *Fructus musculiformis* Buell. lib. Amb. II. 184. l. 60. — In Moluccis.

XV. HICIKHSTIA *lance*.

(Blume, M. nov. Austr. Chin. gdn. inedit. I. p. 4.)

Calyx 5-partitus glandulosus, lobis oblongis, 2 exterioribus. Corolla hypocrateriiformis, tubo subcylindrico, intus supra stamina piloso, fauce coronata; lobis 5, acclivatione dextrorsum imbricato-contortis, inaequilateris, sinistrorsum*) falcato-subdolabiformibus, latere majori bilobo, urigibus bilobellatis. Corona erecto-patens, usque ad medium 5-loba, laciniis integris, medio sulcatis, cum lobis corollae alternantibus. Stamina 5, medio corollae tubo inserta, inclusa, filamentis brevibus, antheris ovatis aculis, in alabastro sagittatis, filamenta aequantibus. Ovarium ovoideum biloculare pluriovulatum, stylo brevi filiformi, stigmate incrassato-conico, apice breve bicuspidato. Bacca**) magnitudine antherae, subglobosa coricala pulposa indebescens. Sernina plurima, nidulata, compressa, umbilico ventrali. Embryon in albuminis axi rectum. — Arbuscula Sinica sarmentosa lactescens: foliis oppositis,

*) Observatore ex centro floris nunc oculos spectante.

**) Fructus ab *Amphisurca* Desvaux, (Trait/ gdn. de bot. I. 174) et Lindley, (Introd. to Bot. Ed. 4. II p. 24.) nullo modo differit, nam quamquam hi esse auctores in characteribus essentialibus plurilocularem dicant, *Crescentia*, ab ambobus ut exemplum citata, fructu gaudet uniloculari.

bicve peliolahs, glabermnis, lucidis; cymis termmalibus. *Melodmo*
aide affinis, seel coionae 5-lobae lacunae, licet medio sulcatae, pro
ccrlo ihdiu^ae sunt. An satis distincta?

- 1 L SUUFOITNS Hunc 1 c — Scindens folns oblongis aul oblongo-lancoolalis acur-
ninais brewicr peulolais gbernmis nitidis, onus tummilibus folio bicvionbus,
pcduniubs apice tncotomis, CMICIS segincnlis oblusis corolla niultoliPs. broionbus,
coiolla impla extus alba, tubo mtus auianuico coronio licimis oblongo-lincanbus
obtusis bacc\ migni globose \indi — In ins Hongkong — Cjmie hxiustuhi, bra-
cteaiae Floits candidi odori — An *Mclodinusmonoqynus* Ciry? (Allh DC 1'iodr Mil
ii% no 3)llaerco quia descnpliohts lutloiuuii (.onlligunt (lar G Don (ben syst gord
IV p 101) hant plinlm locavit in SCLIO ic cuicbauclet coronac lacunae integrae",
easijuc *cnufoimis* dixii (cl Afjli *lumolle* contu u nppudiccs coronarias acuias
2 ante lobum qucnique tubuit ^i cidem slnps grnus attimon inco iudicio dividon-
dum nam in V *liaueu* roionac hemne nnnifscic 10 squannfoimes prorsus dislinclae
ex iconc mtidisbimi Feid liaucr (hndl Iconograph lab 5J) in nostia vcium plantn
coiono tonsuit ex c^alho lubiTormi fundo orente a corollae faute orlo ei simili quom
in ^a^clssls repcues usque ad medium tantiini 5-fldo Iconcs cl Wight ubi *M wo-
uoiijm* flgura valdc dolco me baud posstdcio *On anus* Lour ab auotonbus ad cal-
ctin *Myrsincarum* rrlatus mihi reveia Apocynacen >ideiui, Mclodino afUtis

Will IiKUCONOTIS W. Jack

(Alph DC Piodi VIII 331)

- 1 L CUSPID\TA Blumo, Mus boi I ugd Bit p 112 no 263 +— Ramulis superne cum
peliolis et podunculis ferruginco-tomeniosis, folua elliputis abrupte acuinntis, supra
glahris subius stelhto-pubtrulis pcduuculis longnudinc petiolorum lacinns coljcis
subulalis aubpubtsccnlibus — Sumatra

MX. CAKISS% Linn

(Alph DC hodr VIII 331 a 675 - Wlprs Rtpoit VI 46b)

- 1 C CONGESTA Wgbt Icon phm Ind or || lab 1289 — Fiuticosa eiecta ramosa
ramis dichotomis, spims longu simpbcibus allenuatis instruciis, folus polioliatis late
ovaiis vcl suboibiculanbus OIQMS glabns mtidi-snniM membinnnteis, \onis (m speci-
miibus SICCS) MX porspicieridis podunculis brovibus icrmmalibus subtnfloris, plurl-
bus in npice rnmuloium congeslis puboscenubus, calycis lobis ovatis acutls ciliatis
quom coiolla multo brc\ionbus, corollao tubo mius piloso, Tauce glabra, flameniis
pilosfs, anihous apiculalis, slgmate capilalo piloso — Habitat in India oriental!
(Corog *Aboo)
- 2 C TOMhMOSA Ach Ricbaid Tent flor Abyss II 30 — Tola cincieo-tomenlosa
spims lobustis acutis, folus flguia var f> ovalibus aul ellipticis, ipice saepius acutis,
basi rotundalis oblusis aul subacutis conaccis utrmque cinereo-lomentosis venosis,
flonbus parvulis roseis subsssdibus et cymain conferinm vix pedunculatum termina-
lem paucifloram elTormatHibus, talycis locinns subulntis hirtis, corolla extemo pilosa
rosea, baccis globoso-pisiformibus palltdis glabns lucidltque. — Habitat In Abjssinia
Ioci8 m on to sis provinciae Tchelikoie
- 3 'C GRANDIFLORA A DC 1 c 335 no 20 -'Sender, Linnaca Will 80 - *Aiduma*
grandifloTa E Mey *— *A macrocarya* Eckl
- 4 'C FEROX E Mey — Alph DC 1 c 335 no 18 — Sondei 1 c — *Ar&mnna ferox*
E Mey — *A haemalocarpa* Eckl

5. *C. AKDUINA Lam. - Alph. DC. I. c. 334. no. 17. — Sonder I. c. - *Arduina bispinom* E. Mity — *Aiduina erylkrocwyu* Eckl.

f *leoneM addendae.*

- C. PATCINKIIVIA Alph DC. I. c. 333. no. 7. — Wghi. Icon, plant, tab. 1290.
C. SCIUMPKHI Alph. PC. •• <!: 675. — A. Itieli. Tent. fl. Abjss. II. 31. tab. <7.

XX TOXICOPHLAKA *Harvey.*

(Alph. DC. Prodr. VIII. 336. — Wiprs. flepert. VI. 467.)

1. T. TIL'NBKUGII llnrv. — Sunder, Linnaen XXIII. 78. f — Foliis petiolatis ellipticis vñ ohloiujo-Linceolaiis mucronaiis iniegtTrimis, iiiiargine reflexis coriaceis, iirinque elevato-vcnosM; (loribus nxillarihus giomcratig sub^essilibns; calycis *lohls* margine glnbris; torolloe lulio cylindrico (semipoliicari), lobis laic ovalis acutis. — *Cestrnm vcnenulum* Tlmbg. — *Ceslrum veriutonum* E. Met. — *Toxicu\ihlaea ccstroides* A. DC. I. c. — Wiprs. I. c.
p. *scabra*: Foliis sublu? marginibusque scabris; fioribus pubescentibus. — In Promontorio bonac spei, Port Natal.
2. T. SPECTAIHLIS Sondor I. c. 79. f — Foliis petiolatis oblongis vol oblongo - lanceolatis rnticronatis into^errimis, margine rollexis coriaceis, supra elevato-veosis, suhtus glauescentibus pennincrvirs siibvcnosis; racemis uxillaribus pedicellatis, pedicellis apice pluuffloris; calycis lobis mrgine ciliolatis; coroliac tubo cylindrico (pollicari), lobis oblongis oblusis. -r Port Natal.

XXII RAUWOLFIA *Plum.*

(Alph. DC. Prodr. VIII. 336. — Wiprs. Report. VI. 467.) .

1. R. CAFFRA Sonder, Linnea XXIII. 77. f — Glabra: foliis quinis lnncoolnlis subocuminatis, in petiolum longe anguslatis, nilidis ucrvosis venosisque; umbella cymifera folio aequunli inullillora glalua, pedicellis calycem nequantibus; calycis iobis ovatis aculis gK'ibris coroliac tubo crtlyce 4-plo longiore, extus glabro, intus fauce hirsulo; stigmatc bnsi nudo; drupa obovaia subobliqua rugusa dispurma. — In Promontorio bonac spei.
2. It. NATALKNSIS Sonder 1. c. 78. f — Glabra: foliis quinis lanccololis Bubacumiinata, in peiolum Ionium anguslatis nilidis, suluus pallidioribus ncrvosis venosisque; umbella cynifera folium superante niultillora glabra, pedicellis calycem aequanlibus; calycis lobis ovalis acutis glabris; corollae tubo calyce 5-plo longiore, extus glabro, intus fauce hirsulo; siigmalo basi annulo membrunacco deflexo aucto. — Port Natal.

XXIIa. CL,1TAHTI>RA *Bnth.*

. (Hnib. in Hooker, Niger Flora 445.)

Calyx parvus quinquepartilus eglandulosus. Corollae tubus supra, basin contractus, dein venricosus, ad faucem inlus pilosam squamatam coDtractus, Jimbi lacinae angustae, dextrorsum convolutae. Stamina ad basin partis venricosae tubi inserta, tilamentis tenuibus, antheris nutao* tibus ovatis obtusis, filamenlis aequilongis. Nectarium nullum. Ova- rium unicuñ biloculare, dissepimento lenui (vix completo?). Ovula pauca.

Mylus brevis comcus, apite dilatalus, supra dilalalionom vix productus, veitilf irHegio s>li&maioi>us. — Fruk\ Lionensis, dicholomus flonbus parvis in cjmas axillares oppo^itas dispo^ilis

1 *CL CYMLObA Uulli I c f- Crescil in Sieira Leone

XXIII OPHIOXmiïOIV Linn.

(Alj)li DC Piodr VIII 342 — Wlprs Repeit VI 467 Annal I 503)

- * 0 7EYLANICLM Wghi Icon pi Ind or IV tab 1291 — Fruticosum erectum glabrum folns oppo\$>itis verticill<iti^>que 3—4-nis, elliptico-lancolalis, utnnque acummatis acuiis, supia sauialt vindibus., mfiã glnuus, pinnaii venoms, corymbis longe peduuculalis cjmosn. a\illaiibui, solitai us vel binis leruisve in axillis yupenonbus aggregate, lloubus pedicelldtis, cnlycis lobis aaguste lunceolalis vel ssubsubulalis, coiollne hjpocr<ieufoiniti> laciinis lale obo>atis oblusis lubum enciier aequanubus, tubo in fauce piloso, ovano biloculan bipartito, apice coalito, loculis bigemmulaiis, baccis basi tonndlii ovoideis 3 cncitci lineas longis, nucibus {>} glubris — Floies albi — In Zeylama
- 2 0 ^£ILGIihRUB^^L Wglu 1 c lab 1AJ2 — Fruticosum erectum glabruin, parce ramosuin lulus in ramulis terminalibus, lamis scmoiibua aphyllis, folus oblongis elliputis, jpiceni versus lalioubus, ulrmqac acutis breviltr acummalis, infta glaucis, corjmbis dxillaulius> cymosis tricholomi^ soliiuai* vel buns ternibque aggregalis, corrollae hjpocraieifmmis tubo limbum subduplo supeiante, intus villo.so, lumbi lacinns ovdlibus oblusis, ovdno biloculan, loculis coJiaeciuiibus biovulatis, batus basj conatis njoioispeimis ovoideis, naiuns sauiate fusco-puipuieis, seioiuiibus oblongis utrinquo atenuatis glabris osscis — In India onctali (Neilgherries, elevaione 6000 pedum).

Tribus III. PLUMERIEAE Alph. DC 1. c. 345.

Subtubus I. ALUIEAE Alph. DC. 1. c.

XXV. AL.1X1A R. Br.

(Alph DC Piodr VIII 345 ft 676)

1. A ZEYLANICA Wghl Icon pi Ind oi IV tab 1293 — Fruticosa glabra dichotome ramosa folus opposite obovato-ellipticis acumioaus acutis, in peliolum bfevera attenuate, flonbus axillai;ibus soliiarus longe pedicellulis, diupis binis comptessis 2—i-speimis. — In Zeylama insula.

XXVa L.EP1.\1% *Detaisne.*

(Dene Ann 'des sc natur [Sor 3] XII 194 lab 9)

Calyx parvus quinquepartitus, fohoiis quincuncialibus eglandulosis ^orolla tubulosa, aestivatione dextrorsum torta, fauce nuda. Stamina quiaque libera, lila#kentib bievibus infra faucem Inseitis; antherae glabrae aubsagittatae. Ovanum integhim, disco destitutum 3—4-loculare, loculis umo\ulalis, ovuJis pendulis anatropis. Stilus simplex filiiorrms. Stigma oblongunft acutjuscolum, obscuie tetragonum. Frucus Q folhculis 3—4 fibrosis indelnscntibub, ciuatim veiticeque coactis, HI.

inferne vero in pedunculos liliformes longos desinenlibus composilus. Seinina oblon&a, testa tenui fusca sulcala. transverse rhnos<i. Albumen copiosum carlila^ineo-corneuni, sulco an^uslu profunde excavatuii. Kuibrjon j>ubexlra-a\ile, cotjledouibus radriculaque anguslis. — Arbor Tailuuis: succo lacteo; foliis alternis, nervis transversis tenuissimis, petiolis inia bas>i denticulis ripidiusculis stipularibus stipatis; cynus extra-axillaribus di—trichotomis, corymbiformibus glnbris; bracteis deciduis, pedicellis arliciilatis; calycc persistente parvo; corollis flavis; fructu libroso indehiscenle, saepius e folliculis qualuor longe stipitatis verlice cruciatirn coahlis composite
1, * *L. TAITENSIS* Dene. 1. c. 194. + tab. 9. — In insula Taiii.

Subtribus II. *TABELiNAEMONTAISKA*E Alph. DC. 1. c. 349.

XXVII. *IIUTVTKRIA* *Rxb.*

(Alph. DC. Prodr. VIII. 349.)

1. II. nOXIIL'RGIIANA Yght. Icon. pi. Ind. or. IV. lab. 1294. — Fmticosa: ram is gracilibus glabris; foliis longc pciolalis anguste elliptco-lanceolatis, margine subinvolttis, suldiliier venulosis, suprn nitidis, infra (exsiccatis fermgineii) obscuris; corymbis axillaibua (quam folia multo hrevioribus multiftoris; bracieis o\aiis aculis; calycis lobis ovalis aculis; corollae lubo caiycem subliplo superanie,• inius ad inserlionem itaminum piloso, lobis ovalis obiusis; baccis ovoideis, utrinque attenuaiis dispermis. — Habitat in India orleniali (Courtallum).

f *Speeles exoludenda.*

- II. *ATROVIRIDIS* Wnll. — A. DC. 1. c. 351. no. 7. = *GIHLOCARPUS ATROVIRIDIS* Blutne (Cf. supra p. 28.)

XXVIII. *KOP S I A* *Blume.*

(Alph. DC. Prodr. VIII. 351. — Wlprs. Repert. VI. 468.)

1. **K. ARBOREA* niime. - Alph. DC. 1. c. 352. — Dlume, *Rumphia* IV. 27. + tab. 181.
2. *K. FLAVIDA* Illume I. c. 28. t — *Hamulis* glabris; lobis corollae oblongis obtusis, tubo corollae fere duplo brevioribus; ovariis glabris. — In sylvis Guioeae novae.

XXXI. *OCIROSIA* *Juss.*

(Alph. DC. Prodr. VIII. 356.)

1. 'O. *SALUBRIS* Blumc, Mus. bot. Lugd. Bat. p. 158. no. 359. — *Cerbera oppositifolia*, Lam. - DC. Prodr. VIII. 354.

XXXI. *PSBVDOCHRO6IA* *Blume.*

(Blume, Mus. bot. Lugd. Bat. p. 158.)

Calyx quinquefidus eglandulosus, lobis obtusis imbricatis. Corolla subinfundibuhformis, tubo brevi. nicdio ventricoso; fauce nuda, limbi

quinquefidi laciniis aequaliteris, in praefloratione subvalvatis. Stamina 5, medio corollae tubo inserta, inclusa; antherae erectae, lanceolatae, tamen longiores. Neclarium nullum. Ovaria 2, facie interna appressu. Ovula in quovis ovario 2, juxta posita, appensa, anatropa. Stylus inclusus bisulcalus. Stigma ovoideo-incrassatum, apice breviter bilobum. Fructus. — Arbor Novae Guineae excelsa habitu Ochrosiae glaberrima: foliis quinque verticillatis petiolatis lanceolatis; corymbis axillaribus longissime pedunculatis dichotomis; floribus cymoso-glomeratis parvis albis.

1. * PS. GLOMERATA Blume I. c. no. 300. f — *Cerbera glomerata* Zipp. mss. — ID Nova Guinea

XXXIII. HORTSIA Miqu.

(Miquel, Stirp. Surinam, select. 167.)

Calyx quinquefidus, lobis aequalibus ciliolatis, intus baud ligulatis, sed basi glandulose subincrassatis. Corollae hypocraterimorphae tubus medio ventricosus, intus infra stamina pilosus, lobi sinistrorsum obliqui, faux nuda. Stamina quinque paulo supra medium tubo inserta, filamentis brevibus, antheris ovatis, basi leviter excisis. Sectarium nullum. Ovaria brevi gynophoro inserta, conniventia, stylus brevis, stigma ovoideo-capitellatum. Folliculi vulgo uno abortiente aolitarii, raro iremini, lineari-lanceolati coitipressi membranaceo-alati oligospermi; semina oblongo-linearia, utrinque nuda. — Frutex: ramis primariis volubilibus, secundariis tertiariisque rectis, oppositis patentibus foliatis; foliis oppositis lanceolato-vel oblongo-ovatis ellipticisve; inflorescentia terminali vel inter dichotomias, puberula; floribus parvis.

1. II. MYRTIFOLIA Miqu. I. c. 168. + - Habitat in Surinam.

XXXIV. ORCHIPEDA filume.

(Alph. DC. Prodr. VIII. 358.)

1. * O. FOETIDA Blume. — Alph. DC. I. c. no. 1. — Blume, Rumphia IV. 27. + tab. 179, a? 2. a tab. 180.

XXXV. OBOIVTABKIVIA Benth.

(Alph. DC. Prodr. VIII. 358.)

1. O. GRANDIPLORA Miqu. Stirp. Surin. nei. 166. f — Glabra: foliis obovato-oblongis, in acumen rectum obtusiusculum abrupte terminalis, basi acutis, marginibus subundulatis, venis costalibus circiter duodenis palulis; cymis trichotomis terminalibus et e supremorum foliorum axillis; floribus longe pedicellatis; lobis calycis ovatis aculiusculis corollae tubo duplo brevioribus; anthera dorso hispida, basi in crura curvula glabra desinentibus. — Crevit in Surinam.

XXIX. *PKSCMIKRA Alph. DC.*

(Alph. DC. Proilr. VIII. 360. - Wlprs. Repert. VI. 469.)

1. *P. DIVERSTIFOLFA* Miqu. Stirp. Snrinm. select. 164. f. lab. 47. — Ramulis tctrngono-compressis, junioribus subhirsutis; foliis brevissime ppuolnis vrl siibossilibus, membranocis glabris, oppositis mngnitmlne saopeque forma disMiiiiihus, majore obi on go basi cuneato, minore elliptico vrt subovato, omnibus oblique subaculn acuminatis basi quo inaequalibus, venis octonis vel denis; racemulis ex axillis foliorum \e\ dichotomiorum hrevibus umbellatis; ppcliccllis pedunculatum superantibus; calycis lobis lanceolatis ovatis; corollae tubo gracili elongato, lobis lanceolatis ellipticis acutis ter superantibus. — Crescit in Surinam.
2. *P. (?) ALBIFLORA* Miqu. I. c. 165. + — Ramis teretibus; ramulis subtetragonis quadrimarginatis glabris; foliis brevissime priioribus, oppositis nequalibus, oblonga ellipticis in nervis subfalcaium acutiusculum abrupte terminatis, basi ovatis **acutis**, membranaceis glabris, venis nervio-patulis circiipr virentis; stipulis interpetiolaribus connatis petiolos jungentibus ovatis acutis coriariis, inflorescentia pedunculata axillari bilobata bracteata imbricata; pedicellis brevibus; calycis lobis lanceolatis puberulis vrl gibbosis, intus hirsutis; corollae glabrae tubo elongato tenui, medio antherifero, lobis tubum acquantibus ovatis - oblongis acutiusculis. — Crescit in sylvis regionum in Prionum secus flumen Surinam.

XXIX. *ROLPEFILIA Wail, y Hook.*

(Wall. & Hooker, Niger Flora p. 449.)

Calyx quinquepartitus, plandulis bascos (circa 12) in "annulum dispositis. Corollae tubus infundibuliformis, faucibus coronata ligulis decem acquirantibus, basi in antheris connatis, limbi lacinae 5, latae, aestivatione sinistrorsum convolutae. Stamina libero inserta, inclusa, filamentis brevissimis, antheris sagittatis longiore acuminatis. Nectarium nullum. Ovaria duo, adpressum, plabra. Stylus filiformis, apice in massam 5-sulcatam antheris cohaerentem dilatatum, ultra dilatationem vix prodichis et brevissime emarginatus (summo vix stigmatifer?). — Frutex plaberrimus, habitu Tjiberniense non lana Africanas referens. Folia opposita, breviter petiolata, semipetiolata, oblongo-cliptica, breviter acuminata, basi acutata, crassiuscula, venis primariis a costa media divergentibus baud crebris subtus prominulis, rete venularum parum conspicuo; petioli basi parum dilatati. linea transversali conjuncti et intus glandulis parvis acutis stipulaeformibus aucti. Cymata terminalia sessilibus dense 5-8-florae umbellaeformes. Bractee, ovato-lanceolatae acute acuminatae, dorso carinatae, 1%—2 lin. longae. Pedicelli bracteis longiores, calycis breviores. Calycis lobi obovati, 6—8 lin. longi membranacei, apice colorati. Corolla alba pallide roseo-tincta, tubus sesquipollicaris, superne ampatus, intus exclusque glaber, lacinae late obovatae, margine crispae, pollice paulo longiores. Coronae ligulae lanceolato-obovatae erectae, pulchre rosae, 4—5 lin. longae. Stamina ad oripinem partis ampatus tubi insurta. Filamenta breviter, crassa, leviter papulosa. Antherarum acumen tubum corollae fere superans, auriculae basos breves reclae, pars media tantum pollini-

fera. Ovarium disco crassiusculo haud vero in nectarium producto insidens.

1. *R. GRATA Wall, ft Hook. I. c. f — Hook. Bot. Mag. tab. 4466. — Paxi. ft Lindl. Flou. gnnl. I. 71. fig. 46. — Van HoiUte, Flore lies serres IV. 181. tab. 589. — *Cream-fruit* Afzel. Sierr. Leon. Report (1794.) p. 113. no. 7. - R. Rr. App. to Tuck. ISarr. 449. — In Africa iropica.

XI. TABERINIA (V. Iii) i.

(Alph. DC. Prodr. VIII. 361. ft 676. — Wlprs. Report. VI. 469)

1. T. LONGIFLORA Dnih. in Hooker, Niger Flora 447. f — Hook. Bot. Mag. tab. 44H4. — Van Houile, Flore ties serres V. tab/ 53f. — Glabra: foliis oblongo - ellipticis abrupte acuminatis, basi acutis: petioli basi dilatatis; pedunculis laxe subtrifloris; calycis lobis ovali-oblongis; corollae tubo longissimo, paulo infra medium ventricoso contorto et staminifero. — Crescit in Sierra Leone, in Senegambia.
2. T. CRASSA Both, I. c. + — Glabra: foliis ellipticis oblongisve, breviter acuminatis, basi acutis; petioli basi dilatatis; cymis confertim plurinoris; calycis lobis breviter orbiculatis; corollae tubo longifloro, paulo infra medium ventricoso contorto et staminifero. — Crescit in Africa tropica occidentali.
3. T. SUQSESSILIS Benth. I. c. 448. f — Glabra: ramulis dichotomicis; foliis obovato-oblongis acuminatis, inferne nervosis et ima basi obusis membranaceis; pedunculis subtrifloris; lobis calycis amplius oblongis; corollae tubo calyce subtriplo longiore, supra medium ampliato et staminifero; folliculis ovoideo - oblongis nuncinatis — Crescit in Liberia.

XII. MAITOTIA. Alph. DC.

(Alph. DC. Prodr. VIII. 378. — Wlprs. Report. VI. 470, Anna!. I. 501.)

1. M. ALBIFLORA Miqu. Stirp. Surinamens select. 161. f tab. 45. — Arborea: ramulis obtuse tetragonis; foliis breviter petiolatis ovato-vel elliptico - oblongis acutiuscule acuminatis, basi lala leviter inaequali brevissimè acutis, coriaceis glabris, marginibus leviter incurvis, venis f2-^15-nis, subhorizontaliter arcuantis; pedunculis brevibus; pedicellis basi bracteatis calycem aequantibus vel eo quinque longioribus; calycis lobis elliptico - lanceolatis acutis, sub lente vis ciliolatis; corollae tubi glabro basi dilatato, lobis elliptico - lanceolatis acutis intus vulgo basi pubescentibus aliquid brevioribus; faucis coronulae dentibus brevissimis; antherarum apicibus incurvulis exsertis. — Crescit in Surinam locis humidis secus flumen Commowyne.

t Icon addend*.

- M. OBTLILOBA Alph. DC. I. c. 379. no. 4. — Miqu. Stirp. select. Surinamens. 162. t tab. 46.

M. AUTISOBIA. Alph. DC.

(A. DC. Prodr. VIII. 380.)

1. A. PUNCTICULOSA Miqu. Stirp. Surinamens. affect. 158. f — ramis olivaceo-tetraonfar varrugulosis; foliis mollioribus oppositis aequilatis, ovatis vel elliptico - ovatis, abrupte breviter acuminatis, acumine lato et emarginato, coriaceis, venis circiter demum subtusque reticulatis; squamis stipulaceis ovatis appressis deciduis; corymbo ter-

- minali cymoso coarctato pedunculo lenerrime puberulo; sepalis lae ovatis obtusis, exterioribus puberulis, interioribus parump majoribus magis scariosis et glabrioribus; neclano ore contracto obsolete repando-denticulate — Crescit in Surinam.
2. A. HOSTMANNI Miqu. I. c. 159. t — Ramulis subcylindricis verruculoso-asperis; foliis mollice petiokilis, opposite aequalibus, olliptici*, utrinque oblusiusculis coriaceis, venis novoni« vel denis tenere n'ticulatis; squamis slipulaceis ovnlis deciduis; coryntbis nxillnrilius (an cl irrmmlibus) brovissimr¹ podiuiculati⁹. folio brevioribus puberulis; lobis calycinis ovatis obtusis puberulis, exlcricioibus pnulo brevioribus,, interioribus glabriortbus, basi ligulis bilidis; corollae 2'/_a- pullkan* lubo tenui, Jimbi basi obconica lubuni paulo superante, lobis ovnis roiuudaLis. — Crescit in Surinam.
3. A. FOCKEI Miqu. I. e. f — Ramis obtuse icirngonis venuculosis; foliis breviter peiio-latis, oppobitis oequalibus, ovato- vel olflongo - ellipticis, oltiuse apiculalis, basi majorum inaequali vel (miiorum) aequuli aculiusculis, subcoriaceis, veuis erecto - patulis circiter denis, immriis qnaternuliisque tcnerrJmis fusculis reiiculatis; squamis stipuluccis ovatis aculiusculis cilolatis ligulos scliformes breviasimas interpetiolores obicgentibus, deciduis; torymbis axillaribus vulgo oppositis, inferioribus longiuscule, superioribus breviter pedunculalis, Irichotomis puberuli^; bracteis ovatis puberulis cilialis»; culjas lobis obiusis (iliolalis; corollae lulo basi humidulo, infra limbi parlem iofuilibuliforinem leviter cons-triclo. — Croscit in Surinam locis sylvnticis.

LIVa. **CYCLADENIA** Benth.

(Uih. Plain. Hariweg. p. 322.)

Calyx quinquepartitus eglandulo^us, loftis angustis. Corolla infundibuliformi-campanulata, apice quinqueloba, fauce nuda; squemellis quique infra lubum supra slaminum inserlionem, lobis aesLivaliouc sinistrorsum conlorlis. Slatina inedio tubo inserta, ilamentis brevissimiis, anll)«iis sa^itlalis acute ucuminalis. Neclariuin annulalum intefiuni, ovauis brevws. Ovaria duo. Uvula pluriina amphitropa. Stylus apice inembrana reflexu cinctus, supra nieubranam in stigma pulvinato -capitatum dilatalus.

1. C. HUMILIS Until. I. c. 323. no. 1814. — Caules p' ilizimnu> crasso ascendens simpliciter vel rariojjo in specimiuibus jam lioridis erecti, 1~2-pollicares, sed poslea forte eloo-gantur, basi squainati. Folia o^ala, polbYe paulo ^trcvioia obtusUsima, basi in petto-lum brevcu laium angustatu, crassiuscula paucivenia. Cynae racemiformes **azillares** laxne }uduuculiiac> 4—6-floru. Cracioac pnrvae lancoolotae. Pedicelli acmipollicares. Calyx 3 lm. longus, laciniis subiuacqualibus. Corolla 9—10 lia. longff purpurea, lobis late ovatis ad turtiam }a^icin cuiollac ottiugcnlibus, tubo intus supra inserlionem siaminum leviter piloso. Squainollae ininutac olilongne. Fructus ignotus. Plania pulcbella glaberrima, prinio intiiuu *Villarsiam pumdam* quodammodo refereos. Genus *Vtncae* afflnc, sed ueuiario aruiulaio continuo (unde nonien), for<na corollae, ioflo-rescentia aliisque notis abunde dis tine turn. — Crescit in Galifbroiae montibus Sacramento.

Tribus IV. *PARSONSIEAE* Alph. DC. I. c. 399.

LV. **PABSOVSIA** R. Br.

(Alph. DC. Prodr. VIII. 401. — Wlprs. Repert. VI. 407, *Annal.* h 504.)

- I. P. VARJABILIS Lindl. Journ. of the hort. soc. V. 196. adn. — Caulo volubili **puber-** cenie; foliis utridis acutissimis, nunc liaearibus angustissimis, basi roiuudatis **subundu-**

Jatis, nunc ovalibus uiriquo acuiissimis, nunc obovatis, nunc linearibus apice dilalfl-tis ciiculanhus; paniculis brevibus raris secundis subfoliosis; sepal is corolla triplo brev.onbiw; corolla campanulas (nee urcoolala ut in *P. heterophylla*), limbo reyolim lubo qiadruplo brevior; antheris ccaudatis. — In Nova Zeelandin.

f **Icon addenda.**

P. IIETEROPHYLLA A. Cunn. — (*P. capstans* Endl. — A. DC. 1. c. no. 1) — Undl. Journ. of the hortic. soc. IV. 195. c. ic. — Paxton &c Lindl. Flow. gard. I. 91. fig. 63.

LVII. **BEAUFORTIA** Wall.

(Alph. DC. Prodr. VIII. 403. — Wlprs. Report. VI. 742.)

1. **D. JERDONIANA** R' Wght. Icon. pi. Ind. or. IV. tab. 1314. 1315. — Foliis obovatis abrupte acuminatis, basi obtusis, coriaceis glabris; cymis terminalibus multifloris; calyce quinquefolio, glandulis geminis subimbratis ad basin cujusque divisionis, lobis angustis acutis, utrinque pubescentibus; corolla magna unilobata, lobis brevibus angustis. — Habitat in India orientali.
2. ***I. WALMCHII** Alb. DC. 1. c. 405. no. 3. — Wght. Icon, plant. IV. tab. 1296.

Tribus V. **WRIGHTIEAE** G. Don. — Alph. DC. 1. c. 404.

LVIII. **WRIGHTIA** B. Br.

(Alph. DC. Prodr. VIII. 404. — Wlprs. Reperl. VI. 470.)

1. * **W. MOLLISSIMA** Wall, -r Alb. DC. 1. c. 405. no. 4. ~ Wght. Illusir. of Ind. bot. II. tab. 154.
2. * **W. ROTUNDA** G. Don. - Alph. DC. I. c. 406. no. 7. - Wght. Icon, plant. Ind. or. IV. tab. 1319.

LIX. **JACKSONIA** Blume.

(Alph. DC. Prodr. VIII. 408. - Wlprs. Reperl. VI. 471.)

1. * **K. ARBOREA** Blume. - Alph. DC. 1. c. — Wlprs. I c. - Blume, Rumphia IV. 26. f. tab. 179.

Tribus VI. **ALSTONIEAE** G. Don. — Alph. DC. 1. c. 408.

LXa. **SUBERTONIA** R. Wght.

(R. Wght. Icon. pi. Ind. or. IV. tab. 1299.)

Calyx quinquefidus, lobis ovatis acutis glandulosis. Corolla hypocrateriformis quinqueloba sinistrorsum conyoluta tubo versus medium ventricoso. Stamina quinque inclusa, filamentis brevibus, antheris lanceolatis circa stigma cohaerentibus, basi cordatis, quam filamenta longioribus. Nectarium nullum. Ovaria duo distincta, apice coalita prope

shluni oblorua sulcat» apici bifida Shins lilifoimis, shffiuu coniuim
 in .ipidiluin bilidiini tluua'.uin. • **olliculi** luule* clixancali, ^minibus
 W i mils , S< iiima (ompicssa pellata. uliinque alala. ladniila supua
 rultx scainlens IrnJiai one n'ili^ loins oppositis \ 3—4-nis veiti-
 (ill.ilis, dliplicis acnmin.itjs couacois uhbns, coi\mbis a\illanbus \.
 plunbiis (\ «i»ic« iamoi **utri** IOMLL pulmitulatis LJHOSIS mullifloris,
 biaclus. iiiuiulis o\ahs auihh, llonljub IHLMICI pedicUalis.

I -I Hill LDLI K ^rlu > c — IUuult, Hun Mihb H I\ lab 14 — Habiat m
 Malabam

TribLS MI hCIUTEAE (I Don — Apli DC 1. c 412.

LMV. IOI.VRUIIKW. *It in.*

(A DC PJO.II Mil 411)

I II MAL\C(I NsIS VN^ht Ituii phnl Irid or I\ nb> 12¹)S — **Glabia lamosissima**
 f(»ll>> pCIMI llls (Hiltill^O (J) llls olMlssiniK (>|])|S| slftot (MllitIS, il|»KC SllitilClllllllllllllls
 nulls i.unis I\is i IIIIIIIIS I)M(>S luirdos lunititilms, peduiiulis ptliM llisqiic
 glnluis (itiiilh pulu stnil< (oiullu lubo (ilufin j—4-p lo sii»oiont*, liuuuii liinlii
 o\ IIN i bliis «j)li<iiis lon^iuc, ONitrii loculis «oluticnlhub - llabit.it in linliao Oiu n-
 l.ilis p(nirisiil i M il itei llsj

'Z 'II AUtK \NA \ IH Pmdi Mil 414 no ? — Itulli in Ilouk iNigti FIUM ^50 —
llunddita fionhunda C Dun — VMpi» IWptil II 30b no 7

f Icon addenda.

II CODAGA G Don — Dene in DC I c 414 no 4 — Wglu Icon pi Ind ouent IV
 tab 12U7

IAI\ 8TRO1MIWTIIU8 *Alph. DC*

(A DC Prodi Mil 417)

- 1 STR LONi.If\LUVTLs H Wglu Icon plant Ind oi I\ nb 1299 — Gbber foln,
 ellifitico-oMongis IUMIKJUC icutis, cvniis tciniinalilius dichoiomii pauciflorib, biacttis
 caducis (il\eis lobis 1 in» ovaUs in ntuiiH n siibuhlum abcuntibus, coiolla infundibuli.
 fonni, lobis lon_n!»siMiis 4—5-pullicaiibus appiudiubu<» piofundo bifullii., lobis> acuiij
 margini inteuori inugiis, c lubo vixtxscrllis iuu^iis (junn amlierau paium longioibus'
 anlliens doibO pilosis — In peninsula Indiac onrntalis Malaccensi
- 2 STH GIUtFirill K Wglu ! c tab 1300 — Mabel folu& COMICCIS obovalo - subcu-
 nentis, bail obtusis, abiuple acumin Uis acuniue noiinumquain acuto, saepius ohtuso,
 cymis tciniualibus dithuomib, Ciljicib lacuiis o\alo - lancroKuis coiolla infundibuli.
 formi ciuilis loii^isaiini^, ippardicibus In si latu., muginc cienaUs non exscriu., an-
 j>U anlhias cirtlcr aiquanlibus, anllcus. doi^o glabus — Habitat in peninsula In-
 diao oiicnnlis M d ic< nisi
- 3 STR WIGIITIAMs Wall Cital 1659 - (Mpli DC 1 c 41S ab»q dia,m) - R Wght.
 1 i tab 1301 — Fiuiitu&us gldber volubilis folns ellipticis munqie dtleiuutis, brel
 \iler acuinialis, cal\cis lobis o\atiN, coiullio tubmn lei n CIUUI paite atlinguntibus*
 corolla intus glabia, appendu.ibu> exciti>> profunde hilobis, lobis filifoimibus anthe-
 rarum, auslis ftliloumbus quam anlhuae ipsic longionbus*, sljlo subligulalo mugine
 cuspulo-alaiio folhculis. magnis obiub^ uudique Miuco^ib, stminibus longiuscule
 apiculcia — Habiat in India oricutali (Tio\aucoie)

4. STR. BRKVICAUDATUS Wglit. 1. c. lab. 1302. — Fruticosus diffusus ginber: foliis ovatis ellipticis abrupte acuminatis, margine crispatis; cymis terminalibus dichotomis; bracteis* calycisque lobis late ovatis aculis; corolla glabra infundibuliformi, fuce campanulata, caudis brevissimis; appendicibus brevibus basin usque flossis, lobis filiformibus inclusis; aristis quibusdam antheris brevioribus; stylo villosis. — Habitat in India orientali (ad Mergui).

LXXIV. BAISSEA *Alph. DC*

(*Alph. DC. Prodr. VIII. 424*)

- 1 n. LKOKGNSIS Unih. in Hooker, Niger Flora 452. i — Glabra cymis paucifloris, folio multo brevioribus — Creta in Sierra Leone

VLXXV. HEIIGMÉ *Illume.*

(*Alph. DC Prodr. VIII. 425*)

1. II. RHEKDEI R. Wght Icon pi. Ind. or. IV. lab. 1303. — Volubilis glabra: foliis ovatis aculis breviter petiolatis; cymis trichotomis multinerviis; calycis lobis ovatis obtusis ciliatis cum junctura ovali; corolla rotata, ad basin ventricosa, intus pilosa; alaminibus exsertis, filamentis circa stylo spiraliter contortis, nerviis singulatis stigmate subadhaerentibus; ovario biloculari, loculis cohaerentibus, squamis quinque hypogynis ovatis circumvescitis; stylo trifloro; stigmate copulato, antheris cum involucris, apiculato; folliculis bilocularibus; scinibus apice comosis. — Rheed, Hort. Malabar. IX. tab. 10. — Habitat in Malabar.

LXXXH. AGAWO ^mA G. *Don.*

(*Alph. DC. Prodr. VIII. 432. - Wlprs. Report. VI. 474.*)

1. *A. KLEGANS G. Don. — *Alph. DC. 1. c. 433. no. 3. - Wlprs. I. c. no. 1. - Wght Icon. pi. Ind. or. IV. tab. 1304.*
2. A. BLUMI *Alph. DC. 1. c. no. 4. — Wglit. I. c. tab. 1305.*

LXXXVII. POTTSIA *Hook, y Am.*

(*Alph. DC. Prodr. VIII. 441.*)

1. P. HOOKERIANA R. Wght. Icon. pi. or. IV. tab. 1306. — Glabra: foliis subcordato-ovatis cuspidato-acuminatis; paniculis cymosis terminalibus vel axillis foliorum superiorum laxis, multifloris glabris nudis; bracteis parvis subulatis; calycibus quinquefidis, corollae tubo multo brevioribus ciliatis, glandulis numerosis minutis intus dispersis prope basin, ueris glandulis non cohaerentibus. — In India orientali ad Mergui.

LXXXVIII. ECDYSARTHERA *Hook, y Am.*

(*Alph. DC. Prodr. VIII. 442. — Wlprs. Repert. VI. 475.*)

1. E. GRIFFITHII R. Wght. Icon, plant. Ind. or. IV. tab. 1307. — Foliis obovato-lanceolatis acuis, basin versus attenuatis, breviter petiolatis glabris (oxycanthibus); calycis lobis ovalis aculis cum pedunculis, petiolis, bracteis corollisque pilosis; glandulis ciliatis numerosis; corolla sinistrorsum convoluta; nervio cupuliformi imbricato crenato; ovario piloso; folliculis longis praeciliter moniliformibus. — In peninsula Malaccensi.

LXXXVIII EPI«Y»rUM[*n. Wght*

(II Wglit Icon |> Intl or I\ lab 1308)

Calyx tubulosus qumquefidus, lobis> eglandulosus Corolla epie^na
 L^pocratenmoipha quinquelobn, aestnatione dextioisum contorLa. Sta-
 mina qumque prope basin tubi jnseifa, nntuis sa-itlalis stigrmti
 ndhaeientibus Velarium discus cpi,}nus carnosu^ st\h basin vestiens,
 ipiccm ovarn cinf,ens Ovnura lubo tal\ci<> adhacrens biloculare,
 o\ulis nuincrosis SI^lus fihfoimis stigma pMamidaluin acutum minute
 qvunqueihtum ad basin membrma bic\i leflexa unclum. — Irutex
 diflusus scindins folns]ntt,us opposite rllipticis breviter pctiolalis,
 coiwnbts axillailjus qinn foln brcMOiibus, llonbus numeiosis aggrega-
 tis puhmuilis ptdiitllisqui adpicsst pilosib callus qmnquclidi lobis
 ONTIS iculis, coiollis (alNccm hiplo qu »di nploque siiperaniibus ulnn-
 que pilosis, inapcilis obliibts, lubis aeslivalionc \aldo contoilis

1 I GmmiHIVMM I\ \b\lit I c nb no& -Chbrmn folus cliplius subobtusis,
 (mills IMIJIIUS \ul t mil us lionbiu albis |i\ |allulo (lavis, coiollh inapcila
 vdti n ii — 11 ihitit MI lnrin (licinli id Alcrqm

IWMX A ^ ODEXDROX *Alph DC*

(All li D)(Piudi UII 4i3 - U|i> Rppcri M 4TJ)

1 V (\MHLI I \MJAI ^,bl Icon |bnt In 1 oi I\ t b 1309 — Glabium nmis teic-
 tibus fulns oblon^ci o\itisqii(, uli in tilt rotinidniit 4ipicc cuspidalo acununaiis Ion o
 I tiihtis pmculis ailhribus nnus cmo<<» floubus panis, caljcis lobis hncoo-
 tuis omnibus o\l indulo^is — Habit it m peninsula liuliac oncnlili \al\accenq

\IV ECHITES /' h

(M Pi oil AM 44b — \M|is Ropcit M 4T5)

- 1 F UK 01 OH Miqu Slup Suninmei< sclett 154 -} - Caulibus icnuibus hirtellis
 siii&nn srilitebcenihiis folns Incutci pclihtis o\ntis \cl O\ILO> dlipiicis brems'
 uu(e icunmmlis basi loluiuhn sum p no emiiginiis supra nitidis subasperulis in
 IOSII pilo»is iintci |tic ^hiululosi* sibtu;* subscento - pubescentibus ^enls circ'ner
 7 ma nitidis necciins ixillaubus solilaiiis folium teqinntibub \el siiperaniibus ciassis
 spicatformibus pubciuleniis ghbiesci ntibus)>ndcjs lanceolatis pedicellum brevem
 ciljcmque longe suptuntibus nljcis lobis linonbus inacqualibus pubeiubs basi
 mlu* ligula hta oblu«a A el vit subilenticulaln nuciis*, coiollae lubo lencie puberulo
 I trie mferioii limbi parum dilalata lobis ovaiis aculusuilis tubo brevjonbus — m
 nis / *spectabili* Sndqlm — Ciescit in apncis Suunimi supenons
- 2 1 SUUNAMFENSIS Miqu 1 cit 155 f — r-iulibus junionbus icneiume pubeiull
 adulus ^labns fuscis muidjs foliis clhplico oblongis \el lanceolatis bicuter acute
 icunmntis basi rotundilis yipra id lnsin ligula (glanduld) bicuspidaiia mstructis
 ngido membranircis glabus nitidis subius pallidionbus \enis octonis subobsoletis*
 membranwla imcrpmohri bidLniiculan ptdunculis axillanbus bic\ibus vulgo biQdis'
 ramis racemosis glal)rmsculi6, bncteis ovito lotundniis obtusis membrana^eis subcilio²
 laps, cnlycis quinquQdi lobis ovatis obsokio subcilioldlib, corollae tubo cylindrica¹
 npicc st uniniforo limbi piium intimim obcontcim fcie icquanté — Ciescit in Surinam¹

‡ E. IMSADKNA Miqu. I. cil. 15³ -| — Rumulis glabria; foliis coriuceis, uinnque gttbris>, obloiigo-ul otato-elliplicit, hreviier actliuscule apieulaih, basi Oblusis ibique in pagua superiore f^rula crasskiscula ovaia Integra concnva quasi duplicata (consimileut aliam scil. \ah,Him oblegente) insiructis, MMS circiler ocumis creclo.patulis icnuibus sparse reliiunlis; racemis fere axillaribus brevissimc vel longiuscule pedunculatis, Jircribus: pellicellis calycem fere ter superantibus vaUc conioriis; calycis* quinquefdi lobis ovaais \\x dciiusculis ciliolatis; corollas mbo cylindneo, pattern superiorcin (scu limbi infriorcm) dilaiatam aerjuanlc; folliculis digiiahbus tciclibus leviler vui- \\aiis; scminuni conia llavesccie.v^ Crescii in Surinam.

-I IcuneH addemlAC.

K. FHANCISLKA Alpli. DC. I. i-'452. no. 27. — Hook. liol. Maga/. U>b. 454T

K. IlinsUTA Rich. — A)ph. DC. I. c.'4³. no 77. — Miqu. Slirp. Siiinm. select. 152. f lab 44

K. PELTATA. Vello^o. — Alpli. DC. I. c. 4b5. no. 85. — Paxl. & Lindl. Flow, gard I. 27 Alg. 11. — Van Houite, Flore des sorres IV. lab. 31)0.

XCIY> €LF, GHORM1 // Wght.

(K. Wght. Icon, plant. Ind. or. IV. lab. 1310.)

. Calyx quinquelohus, gluudiilis quinqu itkl^uis cum lacimis allci- nantilms. Corolla Inpocraleimorplia quinqiioflla cxappeiulirulala, aesti- \\alione sinistrorsnm con\\oluta. Anlherac subscssiles propc basin col- lollac aflixao, basi sagillalao, apicc cuspidalao. Ovaria geinina ^hbra, o\\u)a uumcrosu. Stylus brevis, stigma niagnum obtuse apiculatum, mcriio conslriclum, basi nou membrnaceum. Folliculi magni, supra basin ventricosi, in acumen contracti. Scnjina apice comosa oblonga, utrii- quci acula. Albumen parvum, embryo axilis, cotyledonibus foliaccis, radícula supeia. — Fruliccs tñVusi trlabri lmliac orientalis: foliis oppo- silis pctiolatis niembranaccis acuminatis ponuinnerviis; corymbis axilla- ribus paniculatis; bracteis minutis; iloribus parvis albis ad fauconi pilosulis.

1. CL. ACUMINATA Wght. 1. c. lab. 1310. — Ilamulis gracilibus glabris; foliis ovaais oblusis vel basi subcordalis eUipiicisque, brevilur abrupticjue.acuiniuaais; corymbis axillaribus cymosis qum folia brovioribus: caljcis corollaeque lobis ciliatis; antheris subulalim acutis; neciarii glandulis apicc dislinclc bilubis; folliculis longis fusiformi- bus acutis. — Habital in Zeylania insula.
2. CL. CYMOSA AVght. I. c. tab. 1312. — Diffusa glabra: foliis elliplicis, ulrinquo oblusis in acumen breve x>blusum abrupto desinenlibuy; c\\mis lalralibus longe pedunculatis triciolomis; ralycibus corollisque glabris; antheris cuspidalis; neciarii glandulis apicc brevilcr flssis.— In Zoylania insula.

\CI\'. OUTCHSTOTIS Bnili.

(Bnili. in Hooker, Niger Flora 451.)

Calyx quiiiqucparliliif! eglandulosus. CoroUae bypocraterimorphae lubus subcylindricus, faux coronata ligulis 5 integris cum lobis aitcfñanlibus, lobis aestivatione sinistrorsum contortis. Stamina propc basin corottae. jnserta; filamenta brevissima; antherao lincari-sagiltalac, apice niidae, auriculis baseos ext^rno uncinato-recurvis. Nectarium c glandulis quinque*basi connatis ovatis obtusis. , Ovaria duo, apice pilosa, ne<jtario

sublongiora. Stylus brevis, superne, fusiformi-dilatatus sulcatus et antheris cohaerens, ultra dilatationem productus et in lobos 2 lanceolatos slipmalosos divisus.

1. O. NITIDA Dnili. l. c 451. f — Frutex scandens glaber: ramulis compressis demum terciibus. Folia opposite, linea icnui connuxa, breviter petiolata obovati-oblonga, plerumque subripollitaria, abnupte acuminati, margine subrecurva, basi ncuta, glaberrima nitida, elegantia onosa. venae primariae (1 costa vnde divergenes prope marginem confluunt in venulam in medio spatio versus costam recurvam et mox ramuloflam, axillae veiarum majorum saepe foveolatae at non pilosae. Cymulae oppositae, in ibyrsos axillares hreves* vel ad apicem ramulorum paniculatos dispositae, rhachido thyrsi valde compresso: cymoc ipsae uti calyces et corollae saepius hreviter puberulae. Dnctae inutae. Pedicelli lineam longi. Calycis lobi linea paulo longiores, ovarii oblusi laevi membranacei ciliolati, interiores exterioribus paulo minores. Corollae lobus l'io 2 1 in. longus, superne amplior, inclus a faucis ad inserionem staminum pilis reflexis dense villosus, infra stamina glaber, lacinae oblongae, tubo subacquilongae, faucis ligulae crebrae, Va tin. longae. Filamentum intus fasciculo pilorum penicillata; antherae ovario nucleae, summo apice aculae et polline tesselatae, uiriculis bascos cinctis Ovaria nclario ix longiora, ovulis numerosissimis amphitropis — Habitat in Sierra Leone

xevr. mpiADESsriA Aipn. DC.

(AII. II DC. Proilr. VIII. 481. h: 676. — Wlprs. Ucpert. VI. 478. dc 74?, Annal. I. 504.)

- 1 D. KOBILIS Lunnire in Van Hooiuc, Flore des serres V. tab. 437. — Paxl. Magaz. of bot. XVI. 66. c. ic — Hbizomate tuberculato lignoso; caulibus erectis glaberrimis (sicut et tota planta) et viridibus cylindricis parce laescentibus; foliis subsessilibus distichis parvis ovalibus breviter obtuse apiculatis subcorlaccis niidis deqse pinninerviis; floribus inagnis oppositis tricoloribus (tubo intus bicolore); calycia tubo nullo, laciniis brevissimis, basi gibbosis, apice recurvulis; corollae tubo (tripollicari) 1/2 coarctato cylindrico, 7/8 laevi dilatato-infundibuliformi costato, lobis limbi vix patulis oblique valdeque inaequali-rolundatis apiculatis pallide roseis unguiculatis, foveol. intensiore, intus tubo atropurpureo, infero aureo; antheris apice elongatis loris. — In Brasiliae prov. S. Catharinac.
2. D. UROPHYLLA Ifcok. Dot. Mag. tab. 4414. — Van Houtte, Flore des serres V. tab. 425. — Pnxlon, Magaz. of bot. XVI., 66. c. ic. — Glaberrima crebra: foliis oblongo-ovalis in acumen longum attenuatis, longiuscule petiolatis; racemis laxis nulaatibus* 4—6-floris; laciniis calycinis subulatis; corollae tubo basi angustato, dein subcampanulato, limbi lobis rolundatis aculis patenlibus. — In Brasilia (monies dos Orgnos).

Ordo CXLVI. ASCLEPIADEAE it. B,•.

(Dene, in DC. Prodr. VIII 490. & 67V— Wlprs. Reprt. VI. 479. & 742, Annal. I. 505.)

Tribus I. *PERIPLOCEAE* R. Br. — Dene, in DC. 1. c. 491.

VIII. HEBUDKSRHJS *H. Br.*

(Dene, in DC. Prodr. VII. 494. — Wlprs. Reperi. VI. 480.)

1. • II. PUBESCENS W. 8t Arn. — Dene, in DC. 1. c. 495. no. 2. — Wght. Icon, plant, liul
- or. IV. lab. 1320.

IX. BRACHYMĒPIS *WghL Sf Arn.*

(Dene, in DC. Prodr. VIII. 495. — Wlprs. Rcpn. VI. 480.)

1. *BR. NERVOSA Wght. a Am. - Dene. 1. c — Wlprs. I. c. — Wghl. Icon, plant. Ind.
or. IV. lab. 1284.

X. RHAPHIOtf ACME *Ilarwey.*

- (Wlprs. Report VI. 480.)

1. RII. OBOVATA Turn. Bulletin Ue la soc. imp. dos natural, do Moscou XXI. Part. I.
.png. 250. — Caule basi sufruliculoso gjabro simplici aut ramoso; foliis sessilibus
obtusis aul breviler cuspidatis, «upra glabris rugulosis, sublus ad ner>os pubcrulis;
cymis axillaribus pedunculalis 6—B-Uoris; pedicellis bractcalis; corollae quinquepar-
titiiae laciniis erect is; coronae stamineae foliolis oblongis, supvrno dilaiiao-membrana-
ceis, apice in appendicem filiformem bipartilam productis. — Radix in speciminibus
qui ndsunt deest. Flores atropurpurei. An hujus generis? Comparata cum *lih. Zeyhen*
Harv. differentias sequentes exhibit: calyx in hac nostra profundius pdrtitus, laci-
nialac nempe e basi ialiore subulatae tubum brevem mullo superani, in ilia ovatae sub-
iriangularcs, tubo vix longiores. Corolla in nostra duplo mojar, tubo aquali, nee
versus limbum, ut in ilia,, constncllo. Coronae foliorum pars indivisa mullo longior,
in appendicem solilariam bipartilam, nec in domes ties inacquales cipnnsa. Sligmatis
corpusecua in hac nostra basi parum nlienuala Unguhtin, in ilia basi filiformia, apice
in ligulam obovatam abrupte abeuniia. Sed cum genus aucior huic alleram speciem
II ihvancatam, coronae forma adbuic magis dissimilcm, associavit, noluil aucior specioi
iiujus ex. ilia no\uin genus foruiare. — In Promonlorio bonae spei

XI. ^ J>E C A I i K P I S \Yglu>- y A/ n.

(Dene, III DC. Prodr. VIII. 495.)

1 *D. HAMILTOIS11 Wghi. a Am. — Dene, in DC. 1. u. no. 1. — Wgfo. kou. plant, Ind.
or. IV. tab. 1285.

ricalissimi. punctato-aspernili. Scmina comosa. — Frutex Sumalranus voluilibus glaber: foliis oppositis ellipticis acuminatis discoloribus transverse venosis; pedunculis interpelioribus brevibus, apice receptaculis 1 v. 2 rarius 3 sessilibus racemoso-paucifloris instructis; floribus breviter pedicellatis, sordido purpuris.

1. "P. SUMATRANA Blurac 1. c. no. 295. fig. 21. f — Habitat in sylvis montanis insulae Sumatrae.

XII STREPTOCALYX Wight. y Am.

(Dene, in DC. Prodr. VIII. 495.)

1. STR. OBTUSUM Turcz. Bulletin de la soc. imp. des natural, de Moscou XXI. Part. I. p. 252. f — Ramis ramulis tomentosis; foliis petiolatis rotundato-ovatis, basi subconatis, apice obtusissimis cum minuto mucrone, supra pilis brevissimis dispersis, subinde tomentosis: paniculis extraaxillaribus et terminalibus ramosis foliis duplo brevioribus. — Forma foliorum polissimum a proximo *Sir. Uatnii* DCno. dignoscitur, paniculae foliis duplo nec paulo breviores, pedunculatae caulibus longioribus et densioribus. Corollae glabrae, corollae lobis filiformibus torta. — Habitat in insulis Philippinis.¹

XIII ATHYRIA Dene.

(Dene, in DC. Prodr. VIII. 497.)

1. A. PLEUROSTACHYS Hilu*; Mus. bot. Lugd. Bat. p. 147. no. 331. t. fig. 26. — Foliis oblongis acuminatis subsuperpuberulis; cymis folium fere duplo superantibus. — In insulis Javae et Sumatrae.
2. A. CLSPIDATA Blume 1. c. no. 332. f — foliis ellipticis cuspidatis, subtus in nervo medio ovatis puberulis; cymis folium aequantibus vel superantibus. — In insulis Javae et Sumatrae.

XIV PHYLLANTHUS Blume.

(Dene, in DC. Prodr. VIII. 497.)

1. PH. BIFIDUM A Blume. — Dene, in DC. 1, c. — Blurac, Mus. bot. Lugd. Bat. p. 126. fig. 22. /

XV CRYPTOCALYX Blume.

(Blurac, Mus. bot. Lugd. Bat. p. 146. — *Lepidoma* Blume. — Dene, in DC. Prodr. VIII. 497.)

1. CH. JAVANICA Blume, Mus. bot. Lugd. Bat. p. 146. no. 829. fig. 25. — *Lepidoma Javae** m. Dene, in DC. Prodr. VIII. 497.
2. CR. LAXIFLORA Blume 1. c. 147. no. 330. t. — Foliis membranaceis ovatis vel ellipticis, acutis vel obtusis, passim reuosis; pedunculis laxis bifidis paucifloris; lacinis calycis glabris. — *Echites laxiflora* Zipp. mss. — Timor.

Win- TRIPILOI/EPIS Turcz.

(Turczan, Bullet, de l'Acad. de Moscou XXI I. 251. 8c in Flora [U. Z.] XXXI. 705.)

Cal\ quinquepartitus, laciniis obtusis, intus denticulis seu squamulis quinque minulis cum laciniis alternantibus auctus. Corolla rotata, tubo breviori, limbo quinquepartito, ad faucem coronato squamis quinque linearibus clavulatis, leviter emarginatis, sinibus corollae oppositis et aliis quinque nullo in minoribus, inferius positis, cum prioribus alternis. Stramineum filamenta libera, antherae; linearos glabrae supra stigma apicibus connexae illoque processibus filiformibus adhaerentes. Pollinia solitaria minima, falcigatis annulis applicata. Folliculi ignoti. — Frutex volubilis: foliis oppositis petiolatis ellipticis, basi subcordatis, interdum inaequilatis, acuminatis penninerviis, nervulis secundariis pollucidis, supra glabris, subtus molliter villosis; cymis cymis axillaribus dichotomis ramosis pubescentibus, pedicellis multibracteatis flores excedentibus; (loris) in disco nigricantibus; calycibus margine ciliatis; corolla ralycom duplo superante glabra, laciniis tubo longioribus, margine pellucido-punctatis.

1. *T. CUMINGH Turcz 1. c. p. 706. — Crescit in Luzonia

Tribus II. SECAMOXEAE tt. Dr.,— Dene, in DC. Prodr. VIII. 500.

XXI SECAMOUTE It Dr.

(Deno in DC. Prodr. VIII. 501.)

1. S. MACROSTACHYA Turcz. Bulletin de la société imp. des natural, de Moscou XXI. Part. I. p. 25. f — Caule volubili puberulo; foliis ovato-lanceolatis, abrupte acuminatis glabris, inferioribus basi obtusis, superioribus utrinque angustatis; spicis extra-axillaribus folio longioribus. — Tota planta praeter limbum foliorum floresque pubescens, spicae ex umbellis subsessilibus paucifloris, alternatim in rhachi dispositis constant, inferne folia sesquies vel duplo superant, superne illis multo longiores. Flores ut in congenitoribus parvi, pedicellis suis triplo breviores. Calycis lacinae acutiusculae ciliolae. Corollae in sicco nigricantes, calyce duplo majores. Coronae foliola parva carnosae ovata, colore intensiore. Stigma parvum mulicium. — In insulis Philipinis habitat.
2. S. MYRTIFOLIA Unth. in Hooker, Mscr Flora 453. f — Volubilis glabra: foliis ovalis acutiusculis vel subacuminatis, basi rotundatis cuneatis, utrinque glabris, novellis vix punctatis; cymis ferrugineo-puberulis in paniculas axillares folio longiores dispositis; corolla glabra; coronae staminum foliolis gynostegii dimidium aequantibus compressis falcinulans, apice incurvo-hamatis; stigma brevi obtuso. — Crescit in Africa tropica occidentali (Nigritia).
3. S. ACUTIFOLIA Sonder, Linnæa XXIII. 76. f — Erecta glabra: caulo tereti; ramis alternis erectis; foliis oppositis brevissime petiolatis oblongis acutis, subtus pallida reticulato-venosis; cymis axillaribus 10—16-noris, folio brevioribus; ramis glabris;

entice profunde quinquefido; folliculis gracilibus apice aenuaiis; sominibus como&is. — In Promo mono bonac spci.

t Icon addenda*

KMKTICA Ritr. — Dcm. in DC. I c no 1 — Wglit Icon plani Iml ouontal IV lab. 1W3.

Tribus III. ASCLEPIJDEAE VERAЕ R. Br. — Dcno. in DC.
I. c. 507.

Dhisio IH. IIAPLOSTEMMAE Dene. I. c. 511.

XXXI. SURTAPIiSiXIS n.'nr.

(Dene, in DC. Prodr. VIII. 511.)

1. M. HOSTELLATA Turcz. Bulletin de In soc. imp. ilos n&iur. ile Moscou XXI. Part. I. jing 253. — Caule volubili pubescente; foliis cordatis glabriusculis ciliatis; alimalu apiec birostellato. — llerba 3/. *Chmcnsi* simillima et dempto sligmnfe negro ilignoscenda, folia tamenjlf. *Chmensu* subtus ail venas puberula, flores paulo minoies oi Itarlit laciniarum corollae brevior. Racemi plorumque laxiores in hac et elongttli, inierdum ut in 3/. *Chinensi* abbreviati. — *Urosteima Chmensc* Turcz. — Habitat in China teplcnirionali.

\\V. METASTELMA <. iir.

(Dene, in DC. Prodr. VIII. 512. — Wlprs. Rcpert. \I. 482)

1. M. BARDIGEHD M Schcole, Linnca XXI. 760. + — Caulis sulTruticosus volubilis, rami graciles glabri. Folia opposita pctiolntn submembrancca o\,uo-oblonga acuminaiocupidata integerrhna glabra, basi rotundaia, inferiora terna, pctioli snbpuberuli, folio triplo breviores, nodi caulis remoti. Pedunculi intrnptiolores firmi brovis9imi uiti-betini, pctiolo ei pedicellia tnulto bioviores. Umbollac pauci-(4—5-)florne. Pedicelli angulati glabri (lore brcyioleg. Sepala minima corollae tubo breviora ovoto-^blong^oblusa, dor8O hcrbacca puberula, margino mombmnaccn. Corolla brovi - campanulas quinquepartita, lacimae elongatae e bnsi latiori lineori-lnnceolatne, apice recurvoe, extroraum virides' glabrne, imus ogregio et densissime albo - barbatae, sepnlis sextuplo, corona uiplo longiores, pars uttenuata marginibus reflexis. Coiona staminea simplex peniaphylla, foliola linuari - subulaia , apico recurva, gynostegio fero duplo longiora, sinus bnseos loiundati. Folliculi e basi oblonga lanceolnlo-attenuali glabri lenUistlme Longitu(Hnaliter mullistnali. — Habitat in repubica Texcnsi ad Neubraurifels.
1. M. CO(DATUM Turci. Bulletin de la soc. impr. des natural, da Moseou XXI. Part. I. pag. 253. — Hirsutum: caule erecto simplici; foliis sessilibtfti profunde cordalis.obtusiusculis, supra Uibercolato-pllosis, subtua motliter villoftia, Inferioribua oppos:(is, superioribua ternato-verticillatis; pcttioculis extrnaxillnribua brevissimis paucifloris; corollae laciniis oblongis, extus pubescentibua, intus dense barbatis; coronae stamineae folioli Unearibus acutis, gynostegium paTum superantibus. — Stigma genejris obtuse dpiculattini. Foliis verticillatis ad *DUassas* acoedit, sed corona unberialis. — Habitat in Brasilia &d Bahiam.

XXXVII. *ROUÏIWIÄ Dene,*

(Deno. in DC. Proibr VIII. fñfi — Wlpr*. Itcperi VI 183.)

- 1 It BAHDATA Turcz. Itnllutii do la soci«t«^l imper. des natural. <e Moacou XXI Part I p. 253. — Glabra \olululis: foliis potiolntis cilipticis ncuminatis, basi obtusiu?culis Ijigtñnilulosis; corymbis nxill.iriluis fi—7-lloris petioli longilndinf; corolla oxtus glabr.'i, Inciniis enorviis inlus dense papillo*is, tubo bnrbnlo; coronne foliolis longis torlis. — *Jl. corymbosar* ;ifilmis nl oorollnc vestilu int/crno foliisque non cordalis a dseriptione recedit. — Httbilil in Brasilia ad Dahioni.
- 2 R SIJUNAME>SIS Miqu. Slirp. Surinamons. select. 169?f — Rainis glñbeiriuiis; foliis ovniis MI ovnio - oblongis nitnuato -acuminntis, bñsi roitmdaiis vel Ieviiier cordaiis nirmlñññccis, sulnus pillidiorihus; peduiculis folio brr\ioribus, pñrlo djinidia superiore raconiosis cum pedicHljs tonienllo- pubuscentibiis; (loribus glabris; corollac l.'iriniis ovalo-cblongiff obuisusculii.; coronne stñmnc.ic loltis ovalis, ipico acurainnto-bitldis incurvulis. — Cresci in Surinum in regionibus interioribus secus flumen Surname.

XXWla \ E M A T U B I S *Turcz.*

(Turczan. liullet. do lacad. de Moscou XXI. I. 254. ft Flora [B. Z.] XXXI. p. 706.)

Culycis lubus brc\is, limbus qñinquepnrlitus, laciniis lincari-Janccolatis. Corolla rotala, laciniis ol)loni:is lubo multo longioribus. Corona Ma/ninca peulapliylla, foliolis gynoslo^id adnalis in appendices duas tiliformis productis. Antherac npicc iñeinbranacco-appendiculatae. Massac pollinis pendulnc. Stigiua depressurn subbilobum. — Frutex volu>bilis pilis palentibus \cslilus: foliis ovñlo-oblonpis, basj obiysis, acuminatjs, ad inserlionem pelioli glandulis duabus fiavescentiVus instructis; Qorymbis axillaribus aut sublatralibus 4—5-lloris; corollis albidis calycem paulo superantibus. — Cenus *Houliniae* affinc cjusque babitum ferens, corona gynostegio nec cotollae adnala *d foliolis in caudas duas filiformes, gynostegium duplo superantes expansis re mo turn.

- 1 'N VOLUDILIS Turczan. I. c. — Crescit propo Porto Cabello Golumbiae.

XXXVIII. **ENSLÉNIA** *Nutt.*

(Dene, in DC. Prodr. VIII. 518. — Wlprs. Reprct. VI. 483.)

1. E. (?) LIGULATA Unlh. Plant. Hartweg. 290. no. 1612. — Foliis ovutis sublojiceolntisve sinu profundo cordaiis membranaccis glabris; pedunculis sublriflofis, peilolum aequantibus; corollao Inciniis iigulatis emarginñis, intus longiludinaliter bloollosit; coronae stamineae foHolis basi breviter connatis ovalis obscure trilobatis, lobo medio basi in crassuto anguiato apice desinenie in acumen simplex filiformo corollam subaequante. — Pubes brevissima ad margines peiolorum et baseos foliorum apparct el in rainufos breviier bifariain ilecurrit. Plania cactcrum glaberrima, dexlrorsum volubilis. Pedun? culi 'i~-l-pollicares, in specimine omnos triflori, floribus umbellalis vel breviier race- mo sis. Bractcae minutac. Flores majores quam in *E. alba*. Sepala 3 lin. longd, angustè liaeari-lanceolata. Corolla 7 Un. longa campanulata, ultra medium flssa, lacioiae* 5, lineari-lanceolaiae, inlus a basi ferc ad apicem juxta marginem callis longiudiui- libus auctac, apice subdilatae obtusae et margiriatae, faux nuda. — Crescjt ad Agias calientes in Mexico.

L. XYSJUAiOBltJJftl *It. br.*

(Denc. in DC. Prodr. VIII. 519.)

- > X. lilUNKLLOIDKS Turc/. Dullctin do la socièlo imper. ties natural, tie Aluscou XXI. "nrt. I. pag. 251. — Pubescens. caulibus decurnbcilibus gracilibus aucopilibus; foliis peiolnlis acutis, infurioribus oialis, bnsi oblusiusculis, supcrioribu* ovalo-ablougis, ba*ⁱ QUcnunlis; urabellis lermualibus longo peduncuhilis sub-15-florU; lorunacj foliolis liberis suljcariosis, torso gibbis, marine cdonlulis, cum apiculo* minulo exlus rcfloxo, gynostegiimi acquantibus.-? Habitus fere *VrxtncWae vulgaris*. MusSao polliiii* ohlongae ipicibus aienumiji pundulae. Umbellac terminales ut in plcrisque *Gomphocarpis*, sod loliola curoune marline denlibus dusiululn, a *Xysmalotriorum* caractere recedit coronae toliolis liheis el quinis lautuni absquo denticulis nccessoriis pusillis, sed denliculob isios sive lamellas frustia qunesivii in duabus aliis epecicibus, quas indoicraialuas acccpit auclor. — Habiiut ud CajmL bonac spci.

MJY. ACEBATE 9 *Ell.*

(Dune, in DC. Prodr. Mil. 521. — Wlprs. Auual. I. 50C)

1. A. ILMILIS Dulli. Plant. Harlw. p. 291. — Caulc humih creclo tomenlosj); lolys bre- \iler peliolctis ovatis obtusis, busi late cordatis, supra spnn>im, subtus donsius inuano- toniciiiosis • pedunculis extra - axillaribus fulin vix superoniibus'uraboHalo-muUinoris^ corollne lobis ovatis oblusiusculis rcllexis; cucullis crectis ovalo - oblongis, ulrinquo nicdio unidentatis, pynostegio longioribus. — Rlmoma crasjum, rndicibus nujnerosis crassis. Coules scinipedales. Folia pollicaria vel vix longioro: Umbelluo 19 — ?0- ^orne, floribus magnitudine *Anclcpiadis verticill at ad*. Calycis lacinae lineares. Corolla (viridis?) Inciniis 2 lijiens longis Gyno.stfgiuni brevissime stipiatuin. Cuculli ad npicem stipitis inscrti, a gjnostegio liberi Mussae pollinis cjilindraco - clavatae, ab apice attonuolo pendulac. — Urc^cil ad Leon in Mexico.
- ?• A. COHDIFOLIA. Bnili. I. c. 323. no. 1836. — Caulo glnliro \ foliis sossilibus cordqio- o\ a(is globris; umbellis ad npicem caulis subpariicualis; pedicellis calycibusque pilo* sis; corollao laciniis ovaiis; oucullis superno a gynostogio discretis acquilonisique. — Caulis cnius. Folia 3 poll, longa, 2 poll, lata vel summu minora angustiora acua, margino vix ciliolata, basi auriculis lolunJutis cordata. Panicula in specimino raoe consiat ex umbellifi 2 termualibus et 4 infra apircinveilicilluiis, omnibus pedunculatis *—12-ilois. Flores fusco-puipuroi, illis *Asclepiadis Curassavicae* paulo majores^ Gyno- stogiuin subseBsile. Cuculli npice truncati, intus acutanguli. — Croscil in Californiae valle Sacramcotp.

t Leon ~~addenda.~~

- ^ VIRIDIFLURA £11. - Dene. I. c. 522. no. 4. - Torr. Flor. of New York If. 124. + tab. 88.

XLV, VIWCETOXICUM *Much.*

(Dene, in DC. Prodr. VIII. 523. - Wlprs. Repert, VI. 483, Annal. I. 506.)

- , V, TUinKEANUM.C. Koch, Linnaea XXIII. 591. + — Pubescens: caulis elricte crec^u<; simplex; folia ovffla, sacpo basi cordata, superiora ova to - lanceolata, omnia acuta, brevissime peiolota, inicnodio longiora; inflorescentia ob caulis partem supremam, obliteratam terminalis; foliis duobus supvemis fulta; umbellao brevissimo peduaoutaiae

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(Uuc in bf fModr Mil 5^7 — Wlpis IUpcll M i^j)

1 f AM MI^NATIM Bmli m Ilookrr >i_bei I loia 4i3 + - \olubile ^hhium fulns ovali-
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ul peiolum tjlandulifons, peiluncuhs folio niulio brcxionbus munitions ftonbus Mib-umbclljtit, coiom st-uuim,i OH (Itrcinloha, loins aillhMf** opposing uasbi: clat.uis inu,Mii nluuih dinudiu imuonbub, sugmale biewlci apiculalo subintegro — CILMJI in sicna Ltoiu.

XLIIUo TRICHOS% CME /ucc

(|| Iprs Annal I 507)

1 'TR LANATA Zuccai — \Mprs 1 c no 1 — Pixt &. 1 mdl How gard I 105 li_n' 71

T YMP A5T A VTHE *lhshil.*

Wlprs AniuI I 307) ommno dclentur, nam TVMPVNANTHC SUBCROSA IUskil
 DICTYAMIUS CAMPAMLATLS Rclib

Dixisio V *SUIROSTEMMAE* Dene, in DC. 1. c. 535

LIV. CALOTROPIS *!. Br*

(Deno in DC Prodi Mil 535 — Vlpr* Repcil VI 485)

1 'C GIGANTLA R Dr — Dene I c no 1 — Wlprs 1. c no 1 — R Wglil Illu^ti
 of Indian hot II tab 155

LVI. SVRCOSTE^I^IA *?. Br.*

(Dene in DC Piodi Mil 537 - Wlprb R.pcit M 485, Annal I 507)

1 S TLHUPTI RUM Turcz Dtilloim do la soc imper des niimal de Moscou X\I
 Pan I paff 255 — >olubile⁷ iplnllmn inmosum lamis compressiM ulunquc bill it is
 jtcduellis lioies supeiamibus sutulenis leceptadilo coninum camuso pvibemCiu insi-
 dentibus coiollne 1lcinns litcm i-ohlongis oliiusis, lubo inullo lon^ionbus, (oiona
 slmnnen cupulilonni-plicaia, aiquliter 5-dentnh, dontibus anthei is op>osiii^, pjosic-
 pmin ticquinibus — A S *aphyllo* pntler lamos qtndi(j not bhilalus multis nlus ^IR-
 IUS hut expobilis di\cisa, et cum ilia a enclms sponoluis hnjus gencuss corona sim-
)III discropat, genus vcl seclioncm prop nam (*Mono^temma*) foimat -- Habital in
 Promonlono bonne spoi

^ S CRISPUM Hnh Plant HaiUieg png 291 — Cmlo luinili minuic pubtiulo, foliis
 breviiu peiolati-* linean-hnt(.olnlis IJIM biiblnstuo-touliili imijint uiidulato -c1s-
 pis, siijnn pul>crilli>., pcliluuculis pcliulo ^ul) iL(tuiliui,i>> uuibellatini plunflois, coiona
 slaminea exlenore oiinuKui inlp^eeninia toiollae tubo adrnia, inlonoiis ioliplis o\itis
 Qhltu>sa b (runcniis ggnosKgmm atqnantibus — Specimen unitum c ladico peruini
 repente taulem emitut uninim adbut eicclum et \iv scimpcd ilem sed ^ciosimilitci
 planti magii evoluia \ulubili<> cut Pubo mmutissinn rancscit Folia petiolo 1 liu
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 Ciinestonua, jjublus glaliui, cosia lata protnmula , caeleium a\enid niugimbus lnsi_n-
 nilei unduhio-ciispis Pcdunculu^ cvlianxillniis, lineam longus octo(loius pedicollis
 cnuhbus loMtei juibeiuilis 1—5 lin longi^ (-\hcis foliola lineam cuio-pubestinlui

\ix Imca Inngiorn. Corolla rotala, larmiis late owilis lore J liu. longis. Coruii.iai.i-
uiiif.1 interior lulio curullac bivvi adnata, e fauco iwouiiincens aiiniiliformis, gnostegio
pinlo hioiior. (Juioslegiuin liruiviler siipuaiuin. Corona interior slipiti ndnnia, folioli*
lilicijis laic ovsilis concavis eri'clis, apicu quasi iruncnLis iicrjiaa<liam acuminatis Au-
IUF.II> mi'inhnina brevi auciao. Massac pollinis elongato - clavatac subcylincliacac
ib apii-e attenu.uo peiululac. — Creseil ail A^uus caliciitus loeis slurilibus in Mexico.

Divisio VI. *EUSTECIEAE* Dene. III DC. 1. c. 544.

L\\h. SYMFHYOGiOSSUII *Tares*.

(Turc/an. Uullelin de l' acail. ties natural, ilo Mo>cou XXI. 1. 255. Ut Flora [U. I.] .XXXI
70(J.)

(!a\\) quiiK[iicpiirlilus. Corolla quinqiicpartila rcfle\va, laciniis ob-
lonpo-Junccolulis. Corona slamiiioa ^amoplixlla, tubo bruvissinio, laciniis
tjuinque bnsi anpiustalis Injuukilis, c duabus oppositis arcle inter so
cotierclis fonnalis, cxlorioiibus membranacois, latoribus extus rupHcalis,
ijj;isi iliploris, iiliirnis spulhulalis carnis>is, spaluluu niarginibus lati-
liKlinoin laciniarurn extcinaruin superaulibus et apiculo libcris. An-
lhuruu niembrana tenninatao. Massac polliiis subclavalac, apice atte-
miala, prndulae. Stigma ponljit'onuin, vortice bituborculatuni. — (iunus
.i *Cfiumirho* (listincliuii coionac foliolis inia basi tantum in annulum bic-
usMiniini connexis, cxtuniibque cum inlurnis arete concrelis.

1. 'S II\ST.VTUM THIL'Z. I. c. — *Xulvpuis Iwsluia* Ingi¹. — *Cyn indium Huitijri* Dciw in
DC. Prudr. VIII. 54!). no. IK — Ciu^cil in China boreali.

Ij)isio VU. *ASCLEPIADEAE* Dcno. in DC. I. c. 553.

LXVII. **SCHIZOGLOSSUM** *E. Mey.*

(Dene, in DC. IVoilr. VIII. 553.)

1. SCH. IIIKSUTIM Turc'/. Uullelin de la soc. impci. dus natural. de Moscou XXI. Part.
1. >ii^r ^SG. — Cnulo sulTrulicoso simplici anl >juTin iMmoso liirsulo; foliis subsessili-
luis \t'l brevissiuic jiplicilniis oblongis ohtusii biovilenc acuminatis, utrinque Itirsulis,
nitrinoiii. diijilo bupcraniibiis, infciiiibus b^si iruncilis, AupurioribuS'hasiatis; uni-
1 M -III ^ teiiiiiii. ililiiis aul o Kilcie .ixilKinun su|u>iiorim ortissub-H-lloris; coronae loliolis
Him |w<, :ij>icsiificili> tormmali nilh^o inlc^ro, nilcrno bipariilu ^ligmai incumbenic. —
Scinipollio.iro. Curoll'i ijuuM]u<^>.u^tta in sirco carnea, mi<jsac pollinis oblongac, Inte-
rnliter nlli\ac licndulnu. l^oliu'uli soliuui sells longib mollibui tocli. — »S alropurpureo
L. Mey. allinc scd lamcn abunde disiuicluui. — Habitat in Capilo bonao spci.

LXX. L<.VOARIUTHDS *E. Mey.*

(Dene, in DC. Prodr. VIII. 553)

- i. L. TRNGLLUS Turtv. Hulletin do la sor. iuijier. des natural. de Moscou XXI. Part. I.
p. 25< — Cuilo binclio ^racili imilãriain jtube^cpnl't; fob is angu&le lincaribus, mar-
gine revoluiis glalihuscillis; pedunculis exliaaxillarihus 3—6-floris, longiludine folio-
rum; coronae siamince gynosiegium ae<uanlis foliolis planis subtrilobis, laciniis late-
ralibus denliforribus, nuoymedia lanccolaia obiususcula. — Ad *L. (jracilem* accedit,

at pedunculis elongaii* coronacquo denubu? laicnlibus mnjonbus, medio \cro minore
et laiore obtuso tlistcinilui — IhIntil MI Piomopluiio bonac spci

I L ILSWDUs Tmc/ I < paif 2S7 — C inhbns basi MilTiuliculosib simpheibu* folusque
an^tiMc Imoailms um^iio r< \oluiis atiiius< nils luspdis umbelli* cxliaaxillaiibus
lciiiiiiililiusijic 5—y lion-*, coionio lobolis plains, mngine ulnquo nmidoniatw, apico
in ligulain lineaiom pioductis g\nosio^ium supciantibus — L tncUo altini», sod
(auk ririOkO bumili, undiqe noc uno Inlore pubescnte folns scnbus cuiolla ina-
jorc, coionacqur henna media line an ingustioic abunde diilcit Tola plania tripulli-
(iii- tilxcos hispid] coiilh 1 pflo\n ghbm iUui piact>utim ad basin papilloin —
Ilahiia in IMomoutono bonac *»i i

t L UAUUVILS Ii\|7 1 c pag 8? — Canlc eiecto giauili, supeme lainosp; loins
lunaii-lihloimibut t(jn\ululis biu unit pilu tans ACIUUS miBinodn duplo suptiau-
tibus, vumbdlis cxli UMIhubii's lunmnlibiisque nultilloiis coiollao latnnis inluh hnca
mclatnri dncsi bnbnis, coiunat fohoh> pi III5 bisulcati*, bail angus>tatis Indon-
lalis», dtulihus ltetalil>iis» puvii>, mtdio elongaio Illifomu inlus mllexo, anlbeiarum
mcmbiain apice firnbiiaio-laccn — Su cics Inbuu pracedenlium, coiollac lattnus
mtus dense baibat^ tl appendicc antbeiaium ilmbiatio a gencie icccdit An geniii
propiiinn > Soitionem pLtuliarem (I unbiiumhtia), sine dubio, foimaie mcrelur —
I! ihilat in (iapile bonac spci

LXVI OO^IPHOC AKPUS li. B».

(Dene in DC Piodi \UI 556 — Wlpis llcpert M 486)

- 1 (1 (*Ugampliacarpm*) SINAICUS Boiss Dngnos plant oucnt. nov \[p 80 — Ciuli-
biis finic^t cntdnis clatib virgaiis Uiclibui pubmilis gfaustencilibus lohosis, folns,
biCMtu jicliol U> bicMssuno ulunque ptibeulo-c imp&ccubus. obloti{o-1 uicoitlaib \ (1
luuMiiibus .icutis ->d muciornihtis LIUUMII* in.u^ine sicpc sub^c^oKnl^, pcdunculi^
ox axillis supcicioibus folio dunidio bicMoubu:* umbellam 5—6-floram ferenlilms, ta-
lycis meam coroll inplo bic\ioiis lautiu* ovalis obiusi^; coiollae lutescentis lacinus
i est CMS, pxlu^ pubcinlis, utnnque Titnuaiis acumiatlilis, coionae stamincae foliohs
tumcaais, ad uliumque angulum infcnorem in deniculum aculum abcuntibus, folheulis
oieciis oblongis in lo^uum ailenuaus lubio-selosls, miei scl;* farinos>o-tomenlcH^
— Crescit m lapidosis vallium jugi Sinailici et in deserlo Acgptiaco- Aiabico
- i G PLJRPLIUSCENS A. Rich Tent fl Ab\ss II 33 tab b9 — Caulo crecto ramoso,
basi buffTiucatenie teicii purpurascenle pulverulenlo-pubente, folus hnoonbus, apico
acuity, basi senbim attenualis, maigine revoluiis, supeme ghbns, subtus m neno
medio pubcnlibub, floiibus purpurascenlibus pediccllatis, umbellulam laieralrm jtedun-
culalam, saopius muUHoram cfoimanlibus, pedunculo pedicelhsque sericco - pubenli-
bus, calytil lacinus lanccolalis acuiis, coiollae patulae lacinns ellipticis» aculii>, extuno
puipmcib, intcino pallide \indibus, coionae siamincae foliohs oblon^o - sactalis, bast
truncalo- olmisis, apice aperlis tiuncatu», lateralitci bine el ilhno appendicc obloui^a
linguacfouni donatis, g\noslc^ium \i supciantibus, folliculi^ o\oideo-oblongis inialis,
apile sensu allenuatij seioso-echinalib, jumoiibus albido-gossjpinis — Habitat in
Abyssinia prope Tthehkote
- 3 G \VERTICILLATUS Turcz Bulletin do la soc imper des iratur de MOSLOU XXI
Part I pag 258 — Caulo pubescenle simplici, basi suffiucoso; folus subs>c->libus
viciuclaut. 3—4-nis lincaii-lanccojatis ulunque acummali!5, margine ic\olutis qMabus,
ad lentem punctulatit>, umbellis cxuaaxillaiibus folio duplo bievionbus, infcinc pauci-
supeme muHiflons, coiollac patniis uno maigine floctoso - cilialo, fttcio sublaevi,
coronae siarruncac foliohs compiessis», dorso caimans, miigimbus in denies intcgros
aut crenulatos puberulos desincentihus apicc acmuisuili« \v\ nbuuis, corollac cl jrj-

- no^trgio ndiuuis, illiulque acquantibus.' — *G. Abyssinicus* Hochst. non Dene. — Species ad *G. Abijssinicum* Dene, et *pulchellum* Ejd. accedit, ab ulroque caule siimplici, foliis \erti<illalis, a priore practrea coronae foliolis puberculis nou truncalis, a postriore umbellis folio duplo brexioribus, nec illud duplo superantibus, coronae foliolis nosiialis, anllierarum apicem nee basin aequiantibus etc. dignoscitur. — Habitat in Abyssinia.
- i. *G. IHPLOGLOSSUS* Turcz. I. c. pag. 238. — Caule gracili angulato-compresso puberulo, * foliis nngualo linearibus in p'iolum brevem nllenualis, margine revoluti*, costa inerassata, supra glabriusculis, subtus pubescentibus; umbellis terminalibus longe pedunculatis **—10-floris; corolla demum patens; coronae staminibus foliolis gynostegio paulo brevioribus carinalis concinis, margine dentibus iriangularibus acutis, inlus laticina triangulari, per totam longitudinem adnata duplicatis. — Pedicelli et calyces pubescentes, corolla flava. — Habitat ad Caput bonae spei.
- ii. *G. UMBELLATUS* Turcz. I. c. 259. — Caule humilissimo; foliis inferioribus obovatis obtusis mucronatis, in p'iolum aequantibus, superioribus oblongis, utrinque attenuatis, acutis, margine undulatis; umbellis terminalibus et extraaxillaribus 6—7-floris pedunculatis; corolla connatis; coronae foliolis basi connatis concavo-carinalis, margine alato-dentatis, dentibus introrsum speciantibus, apiculo brevi obtusiusculo terminalis, gynostegium aequantibus. — Habitat in Capite bonae spei.
- iii. *G. OXYTUOPIS* Turcz. I. c. pag. 259. — Humilis glaber: ramis divaricatis; foliis breviter petiolatis linearibus acutis, basi subauriculatis umbellis terminalibus pedunculatis (4—7 - floris) puberculis; coronae foliolis basi connatis carinalis, dorso gibbis, lateribus obtusis, apice in acumen subulatum productis. — Corolla majuscula tripartita. (orotic foliola non male enimam *IKvytropidmn* repraesentant. Folia illis (*ijibbi* similia. — Habitat in Capite bonae spei.
7. *G. (Ilthycarpus) MACRUGLOSSUS* Turcz. I. c. pag. 259. — Caule robusto croco simplici bis)ido; foliis oblongis acutiusculis in petiolum brevem aequantibus, utrinque scabris, margine revolutis; pedunculis subnullis; pedicellis plerumque terms, inferioribus dellexis; corollae laciniis demum patens immaculatis; coronae foliolis basi linearibus subplanis, medio carinalis, apice in ligulam ovalem obtusam desinentibus, gynostegium duplo superantibus. — Flores magnitudinis illorum *G. cunctorum* Dene, ciliis affinis; disingulur pedicellis elongatis et coronae foliolis basi angustioribus nec dilatatis. — Habitat in montibus bonae spei.
8. *G. SKMILUNATUS* A. Rich. Tent. flor. Abjss. 11.39. — Caute herbaceo erecto simplici? - lreii bipedali el ultra, glauco, saopius, praesertim in pane superiore, bifariam et proprose hirtis; foliis lanceolatis, apice acutis et saepius breviter mucronatis, basi abrupte rotundatis, brevissime petiolatis, superne el praesertim subtus puberculis, pedunculis extraaxillaribus pedicellis<que umbellulatis lanatis; calycis laciniis ovali-lanceolatis acutissimis, exlucis lanatis; corollae luteolae laciniis obovatis glabris; coronae staminibus foliolis concavis cucullatis, obverse galcalis, bine et illinc denlo brevi acuminalo lerminalis; loliculis inaxiis inlatis seloso-cchinatis, semilunatis, apice obtusis, basi gibbosis; scininibus brunucis lueculatis. — Habitat in Abyssiniae locis humidis regni Tigre.
9. *G. ROMUSTUS* A. Richard I. c. pag. 40. tab. 70. — Caulibus simplicibus herbaceis, creclis reclisque tertibus rufo-lomenosis bipedalibus am paulo ultra; foliis ellipticis aut ovali-oblongis, basi obtusissimis, brevissimo petiolatis, apice mucronato-huminatis. 3—4 pollices longis, pollicem aut sesquipollicem lalis, subultra sed praesertim subtus rufo-pubescentibus, subscabris; floribus magnis pedunculatis umbellulatis, umbellula extraaxillari, 10—12-flora, breviter pedunculata; pedunculis pedicellisque rufo-tomentosis; bracteis linearibus acutis hirsutis, pedicellis triplo brevioribus; calycis laciniis lanceolatis acutis hirtis, corolla triplo brevioribus; corollae laciniis ovali-oblongis acutis, externo pubemibus; coronae staminibus foliolis basi unguiculatis, creclis semiinvolulis, apice longe acuminalis, acunae lineari inflexo et lateraliter bibrachiatis — Habitat in locis humidis Abyssiniae prov. Cahir.

IAXII. ASCLEPIAS *Linn.*

(Done in DC Piodr VIII 5b4 - Wlprs Rcepit VI 487, Annal I 508)

- 1 A (OTAHIA) LINDLII MERI hngclm , Boston jouin V 250 — Caudicc peipendiculai inciassato, caulein hcihiccum pubescentrm smgulum oitcium (vel pluresa<stendentes) emiitentie, foliis, oppohili^ ovatis obiutis (aul ranus hnccolaus), basi nunt subtoiddtis brevitci pctiolaiis, utunqce pubuulis, pedunculis hi eviisbinm lalcralihu* peditellis gratilibus pubescentibus, corollac launus aculmsculib subduplo longionbus cuculli* ad apicem seissim dilatntia suhlrluhui*, process bifuico lamu allcro bicvuncluso redo, alleio longioic mtuno cv-orto, folliculis ovilo-lanccolaiis arununatis pubeiuli^, cann exlenoic sotulis mollihib pi m conspci&is — In lcpublita Texen&i
- i A BRLVN OUNL Schech Limiuen XVI 756 -f — (aulis heihnccu!> simplex angulatu* sinalus pubciulus Folia ^paiNa pcliulaia oblongo - lauccoljla umncma reiiiculato-vcnosa inlegemina nmcioimta, margmu i iiliatu - iitabra, utunqce toncolom scabia, tn-fenoia basi cunaia, &upcnoia ha^i buhtiuucala Umbtlh iciminahs hemibphaenca multiiloin Pcditelli sultan puboscuileb clougali floie luplo longioies Klorcs ampli bpcio&i Ctiljx piofundo quincq|mtilui> scpala oblonga acunimain pubescend-tomcntosa LOiollam dimidiam amiuania, pinno palula, don ielle\ a Coiolla piofundo quinqucpaitila, lacunae albido - vucictMiics laic ihouilico - ohovatac glandulosae apiculatac Loronom aquantes pnmo paiulac, doin leflexae (oioua staminca summo gynostpgio mposita peniapliylla, foliolis cucullali^, turulli speciosi aumnliu, basi sangumci fakati oblongi, apice loiundati nicdio uliuique aunculali pioccssum bre\issinum mcludeuiub, gynoslegio longioieb Aulh< lac alio:>anguinoac, membiana tcnuissunn albula iciminatac Pollims inassac pjntoiincs (om|nts&ac apice atitnuata afflxac pendulac Ovano duo Stjli duo appioxnnaii npuc tontieii Siigma tatnosum slylis duobu^ commune pentagonum dcuessum mguli cum antheiis altn naniei., apicc glandulam caitilagmeam gennUs ToUuuli > — Cic&ni in icpublica Textent.)
3. A LO>Gll>LIAL(i)Lliock* I c 737 f — Laulis a^cendcus simplex (islulosus, hasi trectiusculus, apico angulalu* minulisMmc ua< hiiouluo-piibciuliis Folia))ic\itci pctiolaia subpcigainacca oblonga umncma subundulala leuculaio-vtno^a, ulnnque aiarnoidca glaucesccilia, basi obtusa, apicc(oblUNA apitulala tufotioia oppoMta, supcuora alicrna Pcdunculi ad ciulis apiccin tongesti angulali aiachnoidco-tomcnlobi, loho multo broviores Umbellac pauci-(4—12-)(loiic Pcditclh aiachuoideo-lomenlobi, pedunculo breviores, basi bractcolali, biacteolac subulalac tomenlellac Floicb ampli vindc& Lalycis scpaln ovato lanccolati acua lomento^a paiula, petals quadruple bicviora Loiollae profundo 5-pailitao laciniae vuc&cutt^ ovato-oblongae glabiac apico cmaignatae patulae, corona duplo longioios, pcditellum diniidiuu siijiciaijle:> Luculli oblongi vel obovau subfalcali cotunci oblu!>i g^nostcgium aequames Piocebsus culinformis, apice rotundatus, cucullo adnaius uulusus Folbtuh oblongo-lanccolati acuminati puberuli, longitudinaluer et tiansveisu vcnObi — Gicscit in rcpubhta Textent pi ope Neubiaunfek
- 4 A LINCARIS Schoclo I c 758 f — Radix tabtituldta Caulib sulTiutCbtens lores, basi lamosus, latm teiotes stnolali unifanam pubescenlcs apice angulali Folia onua opposila lincana clongata umncivia obsolete <euo!>a mlugcrnina atula glabia, margine revoluia, sublus pallidioin, ulunqce anguslata Pcdunculi 6—8 m apicc lamorum nuei-petiolaiies iimbellifen eiccti pluriUon angulau pubobionics umbella longioies PcdicelU puberuli pedunculo brevioieb Floies pam vnescentes Sepala oblonga acula puberula, corollam dumdiam aequanlia, pnmo patula, doin rcfracla Corollae laciniae virescenes lefraciae illipticac aculae glabiae, maigmc membranaceae, ba^i gjno3ie-gi inaeriae, gynoslegium stipintum aequantes, pudicelluin dimidium subaequanlcs Cuculli virescentes abbreviali, apice ampliaii aperi subrefleu ggnoslegio bieviore Processus longe exserti sublau arcuau, cucullo plus duplo longioie* Antheiae >>n-des Folhculi.. ? — In lepubhca Texensi pi ope Neubiaunfels

HL.

- 5 A Af.I HVTOII^S Turin Dot /eitng Mil p S30 — fluhs humilis (3—12) erectus. tomentoso-pubescent foln bic\n feie rifeidi opposila breutci pctiohta mucronali mil inns lumun et snblus ilbnlo tomentosa, bisi aenta <mln oblonga U elliptico-oblon_e i obtusi vel bicuui aeummiia, umbelhe numerosae subhlerales substbsik*> h-x ic | luuflouc pi luelli pollicues pubescentes (loics uiagni vindesci ntes calycis s ^mtnlhutari Iwtoohfi pubescinln liinuliuni coiolt feie apqmntii pefih(') ovita i bins i pube&einia cjruni IOII^IOM cucuilli t^no.sicniium ac<luanles extus oblique irvuuiti i| icibus ol)tiibi> t c imi cueullo siiiimo idintum Imnpiihri falcalum compiessuin levin i exspium u cum mlirna cuculli pule minute pubescens — Habitat in Liiolun
- (A rt \TA Untb Phut Ihitwof, || 2H) — fiult ciecto olaio {.hbio, folus icssilijms (Milling \cl > v ili obhn^is OIIUMS mucionuhiis bisi conhtit intigine undulati«, Li III |uf yl ibci i in i» inbiu^i ^hucis |tdinculis tciminalibus vel extmixillardtu elon-giii> uinbi II ito niulilloiib ghbiii torollae hciiii> IUL ovitis pedictlli pubcentis fliuiJium su| LI iitibus Luculhs hlis subjuniibus pinte^u cultiifornn acunnaio subn c|LIII JII(>••» -\nosl<_rio biCMssimc slj into br<iunbua — Afdiis A *obtusifuhac* 11 | *fluid LLiiti* MM omiino prxii^ llucis bine sinnlioies Coiolla tdmn multo ma. ioi hcmn< 4'A Im lon^ic 3 lin IJ ic viudrst nuts ') cuculli ba^i laliores fere sK tali apici tiiru in tt obscuie liilobuhu j> itcnles cl gwiostequim denudantes IIM in in A *iluiit unit* orcto corimvonlts cl nrm dihtati &yriostegiun et anthe- i ii III ni(iiiiiiin(inijoies — (irsul id A^ins C ilicnles in Mexico
- < A 1 IUOI AH^A Dnth 1 (3^3 no 1835 — Albo latntn elji i fulns opposing vel tor- ruiini voit cillati^ imj lis oblongi>, biM tiunciLo - subcorditis breviter pctiohtis urn- bdlts lon^iuscult pt (JuiKulatis itdicdlis caljtibus coiollisque extrorsum albo lanatis l, u, u, u, coiollac ovilo ohloruis mlouiuin h libus gynostefeio breviler slipihto, cu- cullu aj tills (JJISO loiundalis intus aculintuli piuce^su aculo fahifoiiii folliculis dense Ian illis — taulii entsus tiirjuetci Fuln (quoiuin supuora lanlum adsunt) sfm i od ilia ci ist>iuicuh mollia suinma siq>e altrna Peduneuli 2—3 poll longi, pedicelli pollice sublongiores, in umbellj 20—38 Flores mtgmtudine eorum A *vesh- lae* sed ggnoslegium evidemer stipiuluin et funna curullorum diverse Species haec ab ill) diffort etiam umbellis pedunculatis et hna dcnsioie ngidiore subiloecosa — (resell in collibus siccis Californic, juxi pucdium Tuhicitos in viciiiiibus Monterey

t Ieonef) addendae.

- A DOLGIASHI Hook — Dene in DC 1 c 564 no 4 Hook Bot Mag t 4413 — Van Houtte Floie des relies V t 4^6
- A PIRPURASCENS I mn — Dene in DC 1 c no 2 — Torr Flor of New York FI iao + tab 8o
- A VARILCIATA Linn — Dene in DC I e 5b5 no 8 — Torr 1 c 121 f tab 86
- A MRTMIJ AIA linn — Dene in DC I e 5b» no 32 — Torr I e 123 f tab 87

Divisio VIII. *DITASSEAE* Dene 1 c 574

LXXIII D I T A S S A li. B>.

(Dene in DC Prodr VIII 574 — Wlprs Rrpert \l 487)

- 1 D OXYPIHYLLA Tuicz Bulletin de la soc imp des natuial do Moscou XXlf Pan I pig *ibO* — Laule cieciibculo subllcxuoso undique pubescenie, folns oppositis bre- viter potiolaus hnein-hnreohtis basi et apice altenuitis mucronatis ulnnque pubes- lentibus, pelunculi<> extraaxilhubus faseiculatis 3—5-nis, corollae lacinus e basi la- uore linearibus pnpilloso - birllellis coronae stimfneae utnusque foliobs libens fliflor-

inibus, gyooslrgium plus quatuor duplo superantibus, stigmatu subsexseito obtuso emarginato — A clnraclcie genenco pœuum retedit folioli^ IOIOIUIC ceterius Jiloiis — Habitat in Drasiliae pio\ Babia

DIMENSIO 1\ *OWPETALEAE* Dene, in DC I u 5R0

IAWI OXYPETALIOI n itr,

(Dine in DC Piodi Mil 581 — Vllpr* Kcpcit VI 4S8)

1 0 C) *JsUilllUTKLLUM* Miqu, *Linnæa* XXI 5b8 f — *Himulus* (volubilibus) petiole foliis; (UP in ncivis el supra juxta marginem pilosis, lupulei pmlatis e basi coniuvcfili - conlntn lanceolati* dcuis*, mnigine lolulis, sublus pœllidis ^enuliN- quti (in sicco) fuscus noiatis, pedunculo Hiltapcliolai i folium nequonie cynos« umbellifpro, pedicollis sepali's (suo liuoarihiis appicssc hniollis, (Oiollic lobi. late hncco- Inlis acuiib, doiso \eisu;» bnsin puberulis, intus glubns coionnc staminco foliolis carnoai¹) bifidis, &mu denticulo auclis anlbeiis acquiintibus anibeinrum appenditc bubemargmata — Croscit in Biasibac provmcia Minos Geiaus

t Ioones Addendtie.

0 *BOLANOIDES* Hook & Am — Dene in DC I c 586 no 3J - Hook Itot Mig tab 4367 — Van Houltc, Floic des series IV tab 317

Tnbus IV. *GONOLOBEAE* R. Br. — Dene in DC. 1 t. 591.

LXWYI GOSTOIOBIJS *Michx.*

(Dene in DC Piodi Mil 591 — Wlpis Reperl VI 489, Annal I 508)

1 *G LYNANCHOIDLS* Engelm Boston journ V 251 — *Caubbus* plunbus o radite biibtuberosa debilibus basi ramosis adscendentibus pilosis, lanus teietibus, folus mferionbus late ovatis, summis lanceolato-ovatis, omnibus basi conlntis breviterpetioldiis, subtus praeserum pubescentibus, acutiusculis vel ocuuiis pedunculis subnullis vel bieivissinus billons, pedicellis basi subulato - bractcolatis petiolo sublongionbus, cottollae rotato-campanulatae lobis ovatis obtusis, inlus glabernmis (ezlus parce pilots), Cdlycis segmenia ovaio-oblonga a cut a pilosa excedeniibus, coiona siaminca cyaihifoiuu gynostegu basin cingente 5-loba, lobis rotundatis crassiusculis, margme tenuion cinctis, supra piocossu linean scaplioidco arcuaio instructis, folliculis ovoukis utnnque attenuatis conaceis muncalis pubescentibus, semmibus (ruffis) orbiculatis margmatis comosis — In republica Texensi

* *G GRANULATUS* Scheclé, *Linnaea* XXI 759. f — *Caulis* volubilis stnals pilii icversis hirsulus simulque minutissime puberulus ramosus *Folia* opposita longe peiio- laia cordaia, smu lalo ovaia acummata, reticulato-venosa, supra pilis rans broibus adpersa, subtus pallidiora, granulis purpusillis elevatis numerosis adpersa, margme ciholaia obsolete denticulata, basi glandulifera *Petioh* angulali, praebeitim apicc > & honzomalibus rans vestili *Pedunculi* interpeiiolares ciassi lacemosi \el corjmbosi *—10-flon, apice hirtelh, petiolo brevioios *Pedicelli* glabimscuh pedunculum llorem- que subaequanies, pri rao paiuli dem rflexi, bam bracieolis lineanbus clougatis liu- sutis praediti. *Sepala* basi e laliou lanceolato-aitenuata, doiso parce papillosa, apice

- I JIM ulnn] it run loiolh lonta piofundo quinquepirua heinic clong-uac c
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ii ii^if iiiihi IIIU ic Mibuniluhic stpili tri|lo lon,iores Folhtuli > **LESTI**
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- i (. I If osl s limli IMmi Ihm wg 24M MO Ifill — Riuiulis pilis pniciibus **deus**
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intci \i m< Inspiduli*> pnluuulis. f IKI bit uonlms I—5 fluiis p< dn ellis longiuscul^
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I XXXIX FISCHERIA M

(U\< in DC Pio.Ir Mil b(K) — Wlpis Hipul VI no

I- M\1111\N\ bun m \)L I L M) no 8 - OONUI UliUJi M MIHANU^ llouk

XCIV DICTYANTHUS Dene

(l>cnc in DC Piodi Mil 601)

- 1 I) (VMPWLI \Tl S Rihb Sikci som hoi lirebd I^30 coll p 4 — Coiolla inaxi-
nii dnmriro fpic bipollir in cntbio - unciicicns lintis itns |i u illelc approximatis
• outtnliiti poljgonis pittu liiiniis i(uminatis mnigino icvohilis — *^tapolta campw*
nnlata Pa\ — *Ihctyanthus 7'ai mn* U(Piodi Mil 605 — *Iympananthe suberosa*
llsakt — **Wlpis** Anna! I 507 no 1 — In Mexico
- i D MAPLLIALFLOKUS **liclib** I (— Corolla \ix pollicnns c badio livescens Imels in
lubo pitta liniln latmns inanguhnbus plarnusculis uroiatis — In Mexico ad pedem
niontium ban i inulit piope Duiango

Tiibiis V STAPEUAE Dene in «C. I c 606

Diwsio I. PEUGULAMAL Dene. 1. c.

C\11L TYIOPHORA II Ilr.

(Dene in DC Prodi Mil 606 — Wlpis Report VI 4S1)

- 1 T Ihil ROPINLL\ A Rich Tun (lor Ab)ss 11 41 lab 71 — faille IHM MIIMI-lesj cnuⁱ vulubili, iimisi \ui?alit Kietibus giacilibus lomnjtosis, fht% o\mli-oblong-tut o\ili-lanccolalis atulis, basi obtusis nut subcoidalia, nmgmtudine maximo \.niis, siiporne glabiusrulis sublus in nervis pilosis iionbus)>ai\ulit alio-puipmcis pedi-crllatis unibollulas ljtcialts mulilloias liroitci pedunculas efTonn mtibus, lie<liuiciilu pedicellisqne hnnto-tomenlosis calycis latimis lanccolalis anguslis at \iti>>nms extei no pili> uius ton^jHi^is, Lorolloc Incinns oblongo-Inncrolntis, VCIMIS apirciu b.nbiitis coionnr siaminooc foliol^ carnosis liinngulniibus, gjnosto io ilnlnlio biLvionbus boiniadn.Uis, folliculi^ longi^ subfu^ifoimibus .ipice suisim .iiii mi iis neutis piloMus-tulis — Habitat in Abjssinnt S^IMS inontosis (loum>n<5sn, .ill unitci BWH) ped

Cl\ MARSDEHTIA n. Ih

(Deno m DC Prodi Mil GH)

- 1 M LKOM^SIS Hnih in Ilokor, Nigci riui.i H5 f— \olubilis subglabrñ folns cor-dniis oblongis ul o\aiio-lmceoUius u minimis Ljms> pttiolo bicvionbus laxiusculih (Oiolloc helium tubo nuns ilenso pilosit lue \ionbiis coronac slammoae foliolis bilo-bis, lobo uiU'inue authcrae alle .ulinln IIIK in gjnosicgium subacquanlc, extenoio brovi o\ato obit>0 — Crosui in Sim i I HUM*
- 2 M GLAURIFLORA Hntfi 1 til f — \olubilis » Rlabra folns cordato-oblongis vul ovnlo-lantool iti<, acuminatis, cjm>> niulunois in paniculam icinnnalem disposing, IOiollao undiquo glabrac lacinus o\ntis tubo longioubus, coronac staminrac foliolis integns Innrrholis id medium pjnostegu adnatis illiidque snbacquantibus — Crescit in Siena Leone
- 11 M STLNOPHYLLA Turcz Bulletin de la societe imp des natural de Moscou XXII Pan I pag 260 — Caulc frulicoso volubili, loins breutci pctiolnlis lmeari-oblongis acuminatis, ulnngue glabns, umbellis 2—3 - lions pctiolo paulo longionbus, corollao uiccolat>o hcnuis IHMH dense barbatis, cotonao stammeae foliolis ovatis carnosis gjnostegio proetei apicem arete adnatis, stigmatc dopresso anthcraruin membrann bicviore — Cauhs crassitic pennac, ylnber, vorrucis bine indo tcllus, raim ICMICI puberuli, folia turn pctiolis 4 — 5 poll long a 2 lin lata Ciljtis lacmiae lotundaian <iliolaiaac Corolla in sicro pnlhdc carnea Massac pollims arccitac hicidap — Ha-bitat in Ilnu

Divisio II. t,)Mi\EMEA E Dcno. in DC 1 i. 621.

CIX. OYI^IIVKJTIA K Dr

(l)cne in D(IModt VIII 621)

- 1 G MTIDUM Until in Hookci, Nigci Floia 456 f — bubvolubilo ' glaboniinum folns breviter peiolatis ovalis oblongisvc acummalis nitidis, cymis subscsilibus pauciflons,

- (orollie j irv 10 sijimnis brevi^nnis in tubuni dccunenlibus sligmaic umbonato, an-
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CM OOKOROIVEHI % *tndl*

(Dene in DC PIOJI Mil 6^4)

- 1 I. ((VMM MAj IU rUIIMHII ILM IJluuit Mus Int hi('d Bil v p 150 no 340 -f ^
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 (lio rotusis munilo — *Hoya icmiti/'ida /ipp mss* — In Nova Guinea
 2 (. I ATIFOLILM limb in Hooker \ig< r Flora png 45B f — I'ubuulum folns lonjre
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IMVIMO III. (*tKOI'EUU** Dene in DC I c 626)

(M' JVSIMIVANTHES *Illume.*

(Bluinc Mus hot Lugd Dativ p 148)

talyx quinqueparhly (oiolla bypouat^umorpha quinqucfada, fauce
 nuda, I icinus patuht,, pinclloialione contortis, tubo eiongalo ad bd^in
 jnldto inlioisum lincis 5 duplic itis pilosis sinubus oppositis insliucto.
 (.inosU^jum incliisuin (oiona slnmmea nulla Antherae membranā
 ovala tuninutat Pollinia LIISI affli^a titctd clhpoidta Stigma penla-
 fronum veitice diprešsum folliculi... I — hutex volubihis folus
 oppositis oblongis acumuidlis inembianaccis, supia glabns, subtus, rainu-
 lis, pedunculis iloubusque jJubcNctntid sublilissima obsitis, cymil inter-
 pptiolanbus pauu- v mulliflois scitaceo-biacteatis, flonbus flavescen-
 tibws suavcolntibus

1 *J BUAVLOLL>S Uline 1 c p 149 no 337 t H& ?8 — In Arclupelago Indico

CWII DISCHIDIA *U Iti*

(Dene in DC Prodr Mil 631)

- 1 D) P10TA Oluine Mus Lot lu^tl Bat p 148 no 333 f— filnbn fohis biovitor petiohtis <\uis nuns IMM toinriilis vel subcoidnlis cimosis ohsuletr titno*o \enosis puluntulih potiulo duplu longoribus in ipicc bitubeitulato pnucillons coiulhe lautc inius kiisua foliolonmi coromu stanimcoo l icinns corlileatib obtiitis intlexis - *I cytostrmina iiclum /ipp* — **llabu** it in sjhi* Guinea \o\oc ad aibonun tiuncos
- 2 D) PLI F\1A Ilumo I (t p MH no 3i4 +— Subprmnosi folii!. bitvissimt potiolas jn It His romfonmbus >cl sum >tbituhlii i\cmis ciino^is distolonbus supn comexi^ suhlus tout ivis uuibi lns lui giisnnt i uluncuhlis coiolho lacinns inlus barbatis (oliololum coroint sluiundtc Intinna hnoiiihns oblusis divaiicnlis - *In>tostimn l>iltatum /ipp* — Habit it ad irboits in Molutcis ct Novi Guinea

rwith PTKROSTELITIA *Wtjhl*

(Ihnc in DC Piodr Ylll 633)

- 1 PT *{llhylisuUna}* AIIIFI ORUM Illume Humplin IV U f lib 188 — Foliis ellip lito - oblongib tuspidiis uinbtlli^ brtMibiinL pcdunculitis llonbus nutantibiH — *Ifaya af/»/(uia /ipp llnb* — J>v>f

CXXIV PHY\$O\$TEIJI<I% *Wght* (net *PhywUmma \H* Pio.lr, \III. 640)

(Dene in DC Piodi \III b33 - Wlprs Report M 4S3)

- 1 *PH ^AMPA^ULATA Dene I c no 2 — Wlprs I < no 1 — Hook Dot Magaz tab 4515
- 2 PI! (HSTIDIANTHUS) I AIRIFOLIUM Illume Mus bot I ugil Batnv 57 no 141 f — Foliis oblongis vel hnceolalis utunquo subcutis CONUCCIS \enosis, llonbus *me-iliocnbus* — Habitat in sylvis insulac buinatiae

CXW €EXTROSTEHI]»IA *Dene*

(Dene in DC Prodr VIII h34 — Wlprs ftcpen VI 494)

- 1 r LAURIFOLIUM Blume, Mus bot Lugd Bit p 46 no 109 f — Ramulis teretiuaclis foliis tonaceis lanceolalis utrmque acummutis coionao sinnnete foliolis inforne elongitis nrcuito-patentibus — Habitat in bylws monlnnis Javie occidentalis
- i r MICRANIHUM Blume I cit p 46 no 110 ng 12 f — Ramulis tereliusculis foliis cornceis lanceolais, ulrmque ncummatis toionao stamineac foliolis inferut bietiter pioduclis houzonliliter patenubus — Habuai in syUis insulne Cel bes
- * < fcLEGANS Blume 1 c p 46 no 111 f — Ramulis compirssis foliis tonaceis lanceolatis utrmque acuinmatis coronae siiminoie foliolis mfuno elongtis subarcuato-patentibus — Habitat in s>Uis montams insulac Borneo

CXXV. ACAWTHOSTEHOIA *Blume.*

(Blume, Rumphia IV. 29.)

Calyx quinquepartitus, Corolla rotata quinquelida, laciniis revolutis. Corona staminea pentaphylla, gynostegio abbreviato adnata, foliolis sngitlatis carnosis erectis, angulo superiore in dentem antherae incumbentem producto. Antherae membranata stigma terminali. Pollinia basi affixa crebra subdivergentia oblonga compressa, anguste incurvata, Stigma apiculatum. Folliculi laeves. Semina plurima, ad umbilicum comosa. — Herbae pseudo-parasiticae. late in insulis Asiae Iropicac et Nova (inca dispersae, scandentes radicantes: foliis oppositis vel verticillatis carnosis; **umbellis** vel racinis umbelliformibus saepe multifloris; loricibus parvis fuscis vel dilute purpurascensibus.

1. A. HUMPHII Blume I. c. — Foliis oblongo-linearibus acuminatis, basi obtusiusculis glabris planis, subius pallidioribus: umbellis longissimis pedunculatis inulillaribus; corolla intus subsericea. — *Iloya Ihanphii* Blume. — *Nummularia lactea major* Rumph. Crescit in Archipelago Indico et Moluccano ad arbores.
2. A. LONGIFOLIUM Blume I. c. — Foliis oblongo-linearibus acuminatissimis, basi obtusiusculis glabris, marginibus recurvis; umbellis subcylindricis multifloris; corolla glabra. — *Iloya Humphii* var. (*Iloya* Bl. — Crescit in sylvis Javae montanis ad arbores.
3. A. KLINGHOFII Blume I. c. — Foliis linearibus acuminatis, basi angustatis; racemis umbelliformibus longissime pedunculatis multifloris; corolla intus sericea. — *Triacma* Kuhl. — Crescit in insula Java.
4. A. HASSELTII Blume I. c. — Foliis ovatis acutis vel acuminatis, basi subcordatis, margine subrepandis glabris, subtus albido-punctatis; racemis umbelliformibus longiuscule pedunculatis inulillaribus; corolla . . . ? — Crescit in insula Java.
5. A. PUBERUM Blume I. c. — Foliis (parvis) ovalibus vel ovali-oblongis, utrinque acutis puberulis, subius convexiusculis et albido-viridulis; racemis umbelliformibus longiuscule pedunculatis multifloris; corolla intus papilloso-hirsuta — *Iloya pubera* Blume — Crescit in Java.
6. A. PICTUM Blume I. c. p. 29. It Mus. bot. Lugd. Bat. 51. no. 147. fig. 10. f — *Iloya* (parvis) subobovatis mucronatis, utrinque purpureo-pictis et glandulosis subtus convexis: racemis umbelliformibus longiuscule pedunculatis multifloris: corolla intus papilloso-velutina. — Crescit in montanis insulae Javae.
7. A. PRUINOSUM Blume I. c. p. 30. — Foliis (parvis) subrotundis, supra convexis glanduloso-punctatis, subius planis et glauco-pruinosis; umbellis breviter pedunculatis paucifloris. — *Dischidickpruinosa* Zipp. Herb. — Crescit in Guinea Nova.

CXXVI. CATHETOSTICHIA *Blume.*

(Blume, Rumphia IV. 30.)

Calyx quinquepartitus. Corolla rotata quinquepartita, laciniis reflexis. Corona staminea pentaphylla, gynostegio abbreviato adnata, foliolis scutiformibus carnosis erectis convexis, basi bifidis, apice attenuatis et angulo interiore in dentem antherae incumbentem producto. Antherae membranata stigma appressa terminatae. Pollinia ellipsoidea compressa basi affixa, erecta. stigma umbonatum. — Frutex Timorensis volubilis.

folns oppositis oblongis lanccolatisve, connceis subvenosis glabns, supia pcliolum plandulifcris, umbellis bre\issime pedunculatis axilla-libus eL inteipotiolanbus mullillous flonbus km^ibbime pedicellate, midiouibus IKi\O-Mi ululis

- 1 'C I UKIUULM Plump 1 i ft. Mus boi Lngd Bam 54 no 150 fig 13 — //,,/a
tanufulu Dene in DC Piodi VIII 639 —Java

(\Vc **OTOSTEMMA** *linme*

(MUIIL Ruinplna IV 30)

CJ1\\ quinquipailjlus Coiolla lolaiia qumqutlida, laumis levolutis. Corona staimnta pculaph^llj, ^nobtn,io ele\ato adnala, foliolis na\Kii-lanbus carnosis di\aiicalis, supia concaws, aii.ulo inteioic m dctilem .mthtidin supciantun pioduilo, sub(ut> appenmie dtoisum bidmtaU .luclib Anllitiae bti-jinati mcinltnnLS, apicc simplicub acutac. Pollinu basi afiiva eiecla appiovitiaU liicnii compiesbn Sligrn obsolete apiculiluni lolhtuli lae\cs. Scimna plunna, ad umbilicuin comosa — Ueiba Aiclupclagi Indici, in aibonbus uuhtaiis: foliib oppobilis \il lanus veihtillalib camobib ^labiib, umbellis lonoiubculc peduncualib, flonbiib **paivis albdis.**

- 1 '0 LACUI>ObUM IHume 1 c t 184 lig i & Mus hot Lugd Batav 59 no 149 fig 11 — *llotja lacunoia* Illume — Dene in DL Piorii Mil 638 — Java

(WVI HOY A /i Br.

(Dene in DC Proili Mil bJ4 - Wlpis Hcptil M 4*4 tt 743, Annal I 510)

- 1 II CINNAMOMIFOLIV Hook Dot Mig lib 1347 f — Van Houllc Floic tits **scutes** IV tab 310 — Glabeninn \olubilis caulibus ranus^iuc lerelibu^, loins cainoso-coincens clasps oviu^ acuminalis, ulnnquc 5-nLiMib nti\is supcrne piommenlibus, supra pelioluni calloso - glandulosis, pcduntli* bie\ibus, umbelh> coinpaclis mulu-Ilois, coiolla pallide flala glabia, coionau *ianneac foliolis ovatu aiuli* atio-san-gumeit>, supia plains medio linca elevaia — Uabmi in insula Java
- 2 II PLRPLRLO-FLSCA Hook Dot Mag t 4530 f -- Van Houllc, Floic dea sirres || 147 \ lab 579 — Paxt & Lmdl Flow gard I 77 fig 56 — Glabernma Aolunlii> cnulibus tani squc leiciibus i.ulicanlibus, foliit* carnosco-conaceis crnssis ovatia acutis 5-ncivns, ad pcuolum tiassuin cilloso - glandulobib, peduncuhs folio brevionbus, umbelli^ bcmisphaencis compacii^ . multilloua, corolla supra pube^cenli-lui snia cineico-lusca coionac siammcac foliolib ovaui> acutis puipurco-fu^cis supemo plani> — In insula Java
- 3I H BELLA Hook Bot Mag tab 4402 t - Van iloiillr I c IN tab 399 — Moiccn Ann de la soc digucull dc dand \ 47 lab 23) — Paxion, Mag of boi XV p 213 c it — SuTiulcosa diffiisa (VK SLandcns) topiose fohosa folus paivi* ovaua ncuia biCMssime pcliolatis unineiMis>, supra mlense vindibus subtus pallidis umbellis lotci abbu9 breviier pedunculaiu., caljcis foliolis ellipticis, corolla roialo acule 5-angu4ato-lobata, coionae iiammeao folioha o^diia tiuntatib, supra conca>ib> purpureis, **Mib>** pallidis — Habitat m India onentdli (Miulmine)
- 4 II CRASSIPEb Turcz Bullelm de la socieus nup des natural de^Io^cou XVII Pait ' pig 2fal — \olubihb loin* petiolatis elliptici& aut obovatib, ad basin dtienunti*, ipsa basi obiusis bie\itei acuinntis carnosis a\eims ^lahn^, pedunculis exlra-axillanbus bic\ibub crassis in recpica«uluni tamusum cjlmducuni sulcis lransveis>a-libua iicgularucr c&aiatuin abtunlibus umbellis in \crlice icceptaculi se^silibus main-III.

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t tab 185
- II OV\III()HA \i, i u Am - UUIP in DC I c b3ft no 2¹) - l>axt Jc Linill Flow
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(\V) PLOCOSTEMMA *Flumc*

(Itlunu M\is Lot I vigil B>li\ 1 i 51 li(. 14 h. Uiu|In i N J\ j^hM dis^{opt})

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- 1 **L** LASIANTHUM Bluint I c M) no 151 \g 11 — I oln> imlilms huMlci cinpuhls
ibsoltte venosib umbellis lonti^b me ptiluutul ill* i< iinni ilibu^, coiolh itlltxi intiis
ad bisin dense siujoso — *Iloya lasuntha* KithK — In insuh Uoinio ad montcin
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- i **FL** PALI IULM Oluinc I t. no 1J2 — tolus olilun^is \cl o\alo oblon^is HCUHIKI ilis
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(AWIII CEROPEGIiV *linn*

(Dim inDI Pi oil Mil MI — Wlpis IUpcit VI 494 An nl I 510)

- 1 **L** LONMUMLOIDLS A Ilich Tuil lloi Alivss II 47 — 11 IIIKC lubuos\ ciulibus
licibaceis volubilibus busutii **folii**> pUiol ills ouli - acuniu Us icutis IMM cord His
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cellis gi icibbus bit\ibus hiisuis c iljt*> litmus Inuaiibus atulissiniis, externe hulls,
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pubnti lacinns limbi biL\ibus Iuu colatis oblusib — Ihbilit m VUjssinnt ptusint
(Iure
- 3 **C** UINGLNS A Rich I c p 48 — Hailicc UibciUM ^lubosi, tmlt \olubili gracili
bcibacco pubenlo, fulns pdiolilis, lij,iiii in mine vims uv ill-hnceolalis acutis bnsi
tin nginato-cuidais itiius loirulatis aut SLNSIII UCnualis ulinque pubenli pilosis
llorilms umbelluhlis pedicellali^ unibellul > pluuloia subses^ili peditelbs luibuiis
cat)us lacinns lane colitis auitm dorso busulit> coiollne tubo cilycc qutdiuplo lou-
gion basi gibbuso iicualo pilosiusculo limbo obliquo, hcinnns lanccol ito litfoai ibus
ipico oblusis ciliohus — Habitat in Alys&inn inter Maigom-Guui Ll Dobi i - hina
- 4 **C** MGNALDIANA A Hith 1 L p 48 — Pusilla ghbia idiliti Uibtusa glubosa,
caule berbacco spibamaLO ICLO lo us lintLolalo-line uilms baM ^cusim uittuuiib \ix
petiolalib, apice atulis, uaibtHuli* 2—d-llorib txludxillanbua bit\i^ime ptdunmlatis,

*Lifcrlw** bicviiir pedicclatis; caljcis luciniis lanceolatis aculis brevibus; corollno lubo husi oblique piliboso sutgloboso, in iiedio angustato, versus apircm sorisim dilatnto, L-icioiis lmc'ol'iis apice cohaerentibus; coronae stomineae campanulaiac lobis longe «l anguslu ligului* ucutis. — Habitat in Abyssiniac prov. Ouodgerate.

- » C. AMIL'STIKULIA Dalzell in Hook. Kow gnnl. misc. II. 259. + - Herhacea crecta pubesci'iib 5-6 poll, nlta: radio*! lubwosa; caule tereli; foliis nnguste lincari-lanccolatis iculin pagin" superiore iiiiHiginihiH prau&crtiiii jiiilos, inferiorc pnllidis gluberrimis; lluriliuH cxlronxilliiribiis solilariis adsci'iidi-nlibiis; curoll-i bosi leviter ventricosa, lubo cylindriro, liml't "('gmfinis an^u-le liin'uri-j.> ;itliuljti>, cxnis glmbenimis, intus sublilitr vfliliuis iul)Oijuc 5-costaio, exius purpuruo, basi \iridi, intus flavo lincis 15 atro-ntiriiureis alrialo subou<Uiiilijis; coronae lobis cxlcrioribus 5 triangulanbus ciliatis, apico biduntatis, dcnlibiis sulailaiis, iuterioibus longis lincaribus, apicc levitur recur- \.jtis llovis glnlms. — Habitat in Indiao orientalis provincia Malwan.

8. C. OTHIOCFIMIALA D.izoll I. c. 359. t — Herbacca, tola hispida, volubilis: foliis late Iniccolntis, bnsi rniundntis vrl rordatis, upice aniniinalis, ulrinque hispidis, subtus).-illidis; pcdiincialis extraaxillaribus hispidis, putiolo paulo longioribus pauci-(3—4)-fioris; sep:ilis linffri-subulatis jatentibus; corollac lubo odscendente, basi leviter ventlic-O8o atro - purpiereo glahro, limbi laciniis tubo liplo brevioribus oblongis oblusis, apicem versus aiiffistalis, basi iurpurci», njediu nu\is, opicc laclo viruniibus ibique piiicc ciluiis; corolla scsr[uipollicari; coronae staminoao uxturioris lobis 5 connatis oldusis billdis ciliatis fluvis purpuruo-uirguitatis, iulci'ionbus elongalis Jlavis opice uncinulo-rellexiti; Tolliculis lincaribus glaberiniis 4—5 poll, lougis puipurco -raoculalU; jtedicL'lis primum adscudentibus, duide nulauibus, fructileris creeds. — llobhut in iiiiMila Carauju piope Uombay.

f Icon addenda.

- C. CUMINGIANA Ueno. in DC. Prodr. VI. 643. no. 18. — Ucfok. Bot. Mugoz. lab. 4349. — Vim llouttc, Flore des scrres IV. tab. 315.

i:\WI. BRACMYSTEIiMA li. Mr.

(Deno. in DC. Prodr. VIII. 646.)

1. UK. 1.INEAIE A. Richard, TLMIL ffor. Abyss. II. 49. tab. 72. — Radice tuberosn globofco-depreHsa; coule herbacco, vix spitbamaco, ramoso erecto; ramulis pubontibus* foliis lincaribus angusli» aculis, basi sensim nttenuatis vix petiolalis, longiusimis gla³bris; lloribus soliuuiis aul binis extraaxillnrribus breviter pedunculatis; pedunculia Ki'fcilibiis pubeiilihus; calycis laciniis lanrcolalis aculis; corollae basi urccolotac laciniis lincaribus longissimis neulissiiuis; coronae stamiucae foliolis gyuoslogio medio adnais, laic obcordaiis el nbruple opiculalis; aniberis oblongis; folliculis ventricosus apice basiquo nttonuatis rostralis glabris. — Habitat in Abysslniao locis umbrosis con² > alii a fluvii Tacazzo.
- a. |/|. ELLFTTICUM A. Rich. I. c. pag. 49. — Radice tuborosa depressa; caule herbaceo sjitliamaoo rnmoso; rnniulis vix pulverulento-pubenlibus; foliis oblongo-ellipiicis acutis bnsi in JMIiohiin brevem ailenuniis glabris; lloribus ?; folliculis oblongis inflmis, npicc allenualis glabris. — Hnbiat in Abyssinia, in convallo fluvii Tacnze.

t Icon addenda.

- UU. TUUEROSUM R. Dr. - Dene, in DC. I. c. np. 1. - Van Houtlc, Flore des scrres IV. lab. 340.

CXXXIII BOUCEROSIA *Wght. y Am.*

(Dene, in DC. Prodr. VIII. 648. - Wlprs. Repert. VI. 495, Annal. I. 511.)

1. II. LASIANTJIA *Wghi. Icon, plant. Ind. or. VI. tab. 1386.* — Quadrangularis erecta ramosissimo: angulis proincentibus centicularis; floribus umbellatis longe petiolatis; corolla rotata quadriloba, extus glabra, intus pubescentia villosa dense vasculata, lobis primis ciliolatis, pilis articulatis longiusculis caducis; gynostemio exserto. — Affinis *B. umbellatae*. — Habitat in India orientali (Nuggur Hills, Madras).
- II B. CAMPANULATA *Wght. 1. c. tab. 1287.* — Caule simplici erecto tetragono, angulis dilatatis subglabro - denticulatis; corolla campanulata, tubo conico, utrinque glabra, jugis (bars) transversis non distinctis; gynostemio brevi, e tubo non exserto. — Habitat in India orientali (loco non indicato).
3. U. DIFFUSA *Wght. 1. c. tab. 1599.* — Ramosa diffusis procumbens tetragona: ramulis floriferis ascendens, angulis subnatis dentatis, dentibus minutis; umbellis laciniosis simplicibus multifloris; floribus subsessilibus; calyce parvo quinquepartito, lobis subulatis; corolla tubulosa, limbo elegantissime transverse rugoso, margine fimbriato. — Habitat in India orientali (in montibus uideis lapideis prope Coimbatore, elevatione 2000 pedum.)

CXXXIII. CUBBOBIA *Planch.*

(Planchon in Hooker, Niger Flora 457.)

Calyx quinquepartitus, sepalis ovato-lanceolatis. Corollae tubus brevis, subglobosus, laciniis lanceolato-ligularis, aestivatione sinistrorsum contortis, fauce laciniis quinque linearibus squamata. (Involucrum inclusum. Corona laminea nulla? Antherae apiculo lineariter terminatae. Massae pollinis tenuiter stipitatae erectae (apice pellucidae?) Stigma breve.

1. (S). PECIDUA *Planchon I. c. f.* — Rami stricci lignosi, nodis distantibus. Ramuli floriferi ad axillas foliorum telapaeorum brevissimi folia ferunt nonnulla novella quasi fasciculata, linearia vel lineariter - cuneata, obtusa, basi in petiolum brevem angustatam subpelticaria membranacea uninervis globosa; petiolorum basi utrinque dilatatis imbricatis, post folia delapsa persistens. Pedunculus solitarius uniflorus, in ceno fasciculi (ex apice ramuli), foliis subbrevior, sub-calyce incrassatus glaber. Flores glabri. Calycis lacinae lineariter longae membranaceae serialae. Corollae tubus calycem superans, lacinae duplo longiores (patentes?); ligulae faucis laciniis breviores. — Habitat in Africa tropica occidentali.

CXXXVIII STAPEMA *Linn.*

(Dene, in DC. Prodr. VIII. 652. — Wlprs. Repert. VI. 495.)

1. ST. ANGO *A. Rich. Tent. flor. Abyss. II. 50.* — Caulis carnosus ramosus erectus stipulariaco; fomis 3—4-locularis, angulis grosse denticatis, dentibus aculis saepius ascendenti-

bus tflubiii; lloibus breuior pedicellatis, dñ metro vix uncialibus, in pane superiore r.imuium ux axilla iluiium carnosorum enaiis; ealycis quinquepartiti laciniis oblongo-luiceoluiis glabna auutis; corolla 5-partiia, laciniis ovali-oblongis aculis, externe vi-
MIIIIIS, interne atro-purpureis. — Ilubilo in Abyssiniuo prov. Cbire.

- 2 ST MACHQAIIPA A. Ilcli. 1. c. 50. — Caulc digitali calnoso glnuco subquadrnngu-
lää , an^ulis grosae diMit.ttis, ricntibus crn.ssis crnrosis nruiis reeuiviv, apico spi-
iu>scpiitibu8; pcdiuculii* sitnplcibus ex sinu nruiorum ba>i cnutis ououq subaequarm-
bu*, unifloris creclis Mibparallclis omi^u-ois com|Mcs<>is, npiri; nculis cl uncinntis,
Imcolia interiüiti*) piirpurvis mucultiit, 'Z — 5 uncias longis; seminibus> nvaliMs
gbbiis marginalia , pappo setose terminalis. — Hnbilal in Al)bbiime pro\iniid
Cbire.

-j- *Genus dubiae affinitatis notl satis notum.*

LEICHARDTIA *L. Br.*

(R. Dr. in Sturt, Exped. Conlr. Austr. II. App. p. 81.)

Caly\ 5- **partitus**. Corolla urceolala, tubo intus imberbi, fauce annulo
integriTrimo mcrassata. Corona staminoa 5-ph\lla, foliolis **anlheris**
oppositis, ii.squo bi>u\ioribus, indivisis. Anlherue inembrana (breui) ter-
minntac. Massac pollinis crccLac basi allixac. Stigma vix diwsum. —
Sutfrutcx volubilis: iuliis linearibus, fasciculañlus extraalahbus; folli-
culis ventricosis ovalo-oblongis.

1. L. AUSTRALIS \|. Br. 1. c. — Sutfrulox puhcscons subcinercus : ramis striatis nee
ormino tertibus. Folia sosquipollicaria liucarín ncutó. Fasciculi inulliflori. C>lycis
foliola oblusn, pubo tonui cinernweontia. Corolla glabra, tubo nbsque squamulis den-
ticulisvc ventriculfo, limbo vix longiudino lubi, laciniis conniventibus sinislrorsum im-
bricalñ. Coroi-ic foliola « bñsi dilnlula adnala lincaia indiviso. Massac pollinis
(pollinín) lineares. — In Nova Hollandia centrali.

Ordo CXLVIL LOGANIACEAE *Endl.*

(DC. Prodr. IX. 1. ft 560. — Wlprs. Report. VI. 496, Annl. I. 511.)

I. SPIGUBIJA *Linn.*

(DC. Prodr. IX. 3. ft 560. — Wlprs. Reperl. VI. 496.)

1. *hP. MULTISPICA Sieud. — DC. 1. c. 560. no. 23 n. — Miqu. Slirp. select. Surinam 151 t tab. 43.

II. IIIITREOLA *Linn.*

(DC. Prodr. IX. 8. — Wlprs. Report. VI. 496)

1. *M. PANIGULATA Wall. — DC. I. c. 9. no. 3. — Wghr. Icon, plant, Ind. oriental. IV. tab. 1600.

III. UHTRASACME *LabiH.*

(DC. Prodr. IX. 9. ft 560. — Wlprs. Report. VI. 496, Annl. I. 511.)

1. M. INDICA Wght. Icon, plant, Ind. or. IV. lab. 1601. 1 st. — Glabra erecta rnmosn: rnmis subflexuosis compressis ancipitibus; ~~fj^lia~~ sessilibus ovato-lanccolnls ncutls; pedunculi9 quam folia longioribus unittoris; corolla cnlyccm subtriplo superanto, intus pilosa; stnminibus Inklusis; stigmaie bilobo; scminibus numerosis pelialis scrobicula-tis. — Habitat in India orientali.
2. M. MALACCENSIS Wght. I. c. lab. 1601. 2 d. — Subpilosa: caulibus ascendenlibus vel erectis simplicibus vel rarius ramosis, terebus; fuliis opposilis ov&to*lanccoh\tis aculis, basi suhvaginatiss coalescentibus; pedunculis tcrminnhbus quam folia longioribus pomculato-raccmosis 8—12-floris; flonbus longe pedicellatis; corolla tubulosa calycem 3—4-plo superante, intus pilosa; sinminibus subinclusis; stigmale bilobo; seminibus globosls tuberculato-rugosis. — HabiiiajLin Ind^e orientalis peninsula Malaccensi.
3. M. PUSILLA Dalzell in Hook. Kew gard. misc. II. 136. — Cnule 3—4-unciali ereclo simpliciler ramoso glabro obtuse 4-angulari; foliis lincnri-subulutis acutis gl&bris carnosulis nvemis, 2 lm. longis, semilineam lnti<t; pdicellis nxillaribus solitariis vel geminis folio 2—3-plo longioribus pnpilosis; calycc ad medium qundriflido, lobis lanccolalis acutis; corollac albac tubo calycem poulo supfirante, limbi sogmenlis oblon^is obtusiusculis, tubo brovioribus, fauco pilosa; slomimbus prope basin tubi Insertis inclusis, stylum basi bifldum aequantibus; antlicris fliivis apiculolis, bosi cordatis suboxirorsis; siigmato cnpilaio integro; capsula globosa glabra, calyce paulo broviore. — In India orientlnli ad Malwan.
4. M. NUDA N. ab E. ms». in Lehm. Plant. Preiss. II. 239. f — Coule simplici scapiformi loliisque subrndicolibus oblongis ovalibusve glabris; floribus umbellatis; involucro diphylo; calycc birtido; capsula inclusa. — *Mitraaacme paradox a* Lebm. mss. — Herba annua. — In Nova Hollandia prope oppidulum Perth.

V. STRYCHISROS *I-inn.*

(Dfl. Prodr. IX. 12. ft 560. — Wlprs. Repeit. VI. 497, Anna!. I. 512.)

1. ST. INRUACIA A. Itichanl, Tent. flor. Abyss. II. 52 f tab. 73. — Arbor: ramis terribilibus incrumbibus nee cirrosis, coriice luteo - ferrugini'o veslitis glabris; foliis oppositis brevissime petiolatis, albae ramem ramulorum supriorem approxiimalis, ovalibus medio ovali-ellipticis, apice bissequo obtusis, incgris curiacois, basi 5-nerviis, nervis lateralibus juncto supra basin nervi medii erialis approxiimalis, utrinque glabris, sublimis ferrugini'o-ferruginiis; lobis parvulis in axilla fulviorum delapsorum aggregatis, breviter petiolatis; petiolorum nervis saepius irifloris; pericellis basi bibrucolatis; calycitum 4-partitum lacinis 2 oppositis oblongis, oxichuribus margine ciliatis; corollae lobis brevibus 4-lobatis, lacinis internodiis; vulvulis oblongis subobtusis crossis et facie interna tenuibus intertrajueis. nullis semicrossis fauci insertis, filamentis brevissimis stigmatibus; ovarii bilocularis loculis unilocularibus; ovulis tropobospermio tetraxialibus adnatis. — Infructus in demissis Abyssinici versus fluvium Tacaze.
2. ST. LOKUA A. Hitchc. 1. c. p. 51 (- — Arbur: ramulis tetetibus griseis pubentibus mpositis; foliis oppositis, vix petiolatis ovali - am obovali - acuminatis nervis integris, superne et praesertim sublimis cunctis puberulis, basi 5-nerviis; spinis raris brevibus rectis hinc rigidis, in axilla fulviorum sitis; fluribus ... 7; fructu globoso, erasissimo pugnato crustaceo-lignoso. — Infructus in moutosis Abyssiniae nigris convallis fluvii Tacazzo.

f Icon Addenda.

ST. POTATOUUM Linn. — DC. I. r. 15. no. 1. — Wght. Illustr. of Indian botan. f. tab. 15K.

X. OABWKBIA *"all.*

(DC. Prodr. IX. 19. — Wlprs. Annal. I. 512.)

1. * G. WALLICHI Wgbi. in Wall, Flani. Asiatic. rar. III. tab. 281. f. Icon. pi. Ind. or. IV. tab. 1313.

XI. AORRISIA *Gardn.*

(Gardn. in Hook. Kew. gaid. misc. I. 326. n. d.)

Calyx quinquepartitus, lacinis hinc lateralibus, sepalis parvis ovatis obtusis imbricatis persistens. Corolla hypocrateriformis, fauce birsuta, tubo extus lomentoso, basi subinflato, limbo quadripartito lobis ovato-oblongis aequilobis tubo triplo brevioribus, demum reflexis, aestivatione valvatis. Stamina 5, lobis corollae alterna, fauci inserta, exserta, filamenta bifida subpuberula, antherae dorso affixae subrotundae compressae biloculares, loculis curvato-sublunaris longitudinaliter debiscentibus. Ovarium bibrucolatum biloculare. Ovary in placentis carnis, dissepimento utrinque anatis plurima anaplilropa. Stylus filiformis exsertus glaber deciduus, siliqua subcapitalum. Capsula oblonga lomentosa bilocularis, matura septicida ab apice ad basin dehiscens, valvis intus septo longitudinaliter fissis. Placentae carnosae lineari-oblongae, septo adnatae, demum hberae. Semina plurima peltato-compressa lincaria, nempe basi et apice in alam membranaccam acutam

producta. Embryo intra albumen carnosum minutus cylindricus, retusus axilis, radícula crassiuscula obtusa supera, cotyledonibus oblongis obtusis. — Frutex Malaccensis: foliis oppositis petiolatis ovato-ellipticis obtusis inlefferrimis. sub I us puberulis, petiolis vituJa Iraosvorsali conHex is; coiymbis terminaJibus compaclis, ramis ferniginco-lomentosis.

1. 'N. MALLACCENSIS Gardn. I. c. 32?. adn. f — Habitat in Indiac oïentalis peninsula Mnlaccensi.

XIII. U § T E R I A Willd.

(DC. Prodr. IX. 22. - "Wlprs. Annal. I. 512.)

1. 'U. GUINKENSIS Willd. — DC 1. c. — *Ilonilcletia loniceroides* G. Don, General sysi. of gard. HL 516. — Wlprs lleprcl. II. 506. no. 8. — Planchon in Van Houttc, Flore des serres V. p. 442.

XIV. IiACHITOrYJLIS UochU.

(DC. Prodr. IX. 22.) omniqo delcndu est, nam:

- LACIINOPYLIS TERNIFOLIA Illoclisl. — (DC. 1. c. 23. no. 1.) = NUXIA CONGKSTA R. Hr.
LACHNUPYLIS OPPOSITIFOLIA Hochst. - (DC. I. c. no. 2.) = NUXIA DENTATA H. BP.

XV. MEDICIA Gardn. <y Champ.

(Gardn. ft Champ, in Hook. Kew. ,g«rd. misc. I. 324.)

Ciilyx tubo nnllo rjuinquepartitus, nd basin fructus persis lens, lobis ovatis imbricahs auqtuJibu^ . Corolln ini'undibulifornii-cainpaulata, tubo dilatato intus glubro, limbo quinqiicparlito, lobis oblongis acutis subacqunlibus imbricalis. Slamina 5, medio tubo inseila, lobis coiollae alterna inclusa, filamenla complauata, anlhrae basi al'tixae ovuto-oblongae, basi cordalae biloculares, oculis laleralitor lon^itudinaliterque dehiscenlibus. Ovariuin liberum obJonguni ylabrum biloculare. Ovula in placenlis carnosulis, dissepimenlo ulrinque adnatis plurima biserialia ainphilropa. Stylus filiformis glabur, stigma bifidum, Jobis oblongis bifidis. Capsula ovalo - oblonga inilata membranacea bilocularis, malura septicide ab apice ad basin deliiscens, valvis intus seplo longitudiualliter fisso, ad apicem bifidis. riacentae parvae Jincafcs, valvularum margins adfixae. Scmina plurima pcKata compressa muricata^, ala mciubrancea inciso-dentata cincta. Embryo ignolus. — Fiutox Chinensis glaber volubilis: foil is oppositis pctioJatis lanceolato- ovatis acuminatis frlabris inlegerrimis, marginc stipulaïi inter poliolos subobsoleto; lloribus terminalibus trichotomo-corymbosis.

1. 'M. ELEGANS Gardn. ff Cbanij*. 1. c. 325. f — Ab hoc geneve ex mea sontentin *Lcplopteris* Itluine (Mus. boi. Lugd. Bui. p. 240. no. 520. fig. 34.) non differ I (ni^i forlasse slominibns — Hoïum adulliorum^ — cxsorlis '). — Ilabitul in China ad Hongkong (el in insula Sumatra?).

') fJBPTOJPTERIS *Illume.*

(Ulumo, Mus. boi. Lugd. Hat. p.240.)

Calyx quinqnonjrtilus, laciniis acuminatis imbricntis. Corolln infundiltuliformis, fauce nuda, limbi quinquefdi lobis prnelloralione convoluli*. Stamina 5, corollae tubo inseria
ill.

XVI. LOO.% ^1.% *It. Br.*

(DC. huds. IX. 24. — Wlprs. Rppert. VI. 49S, Annal. I. 512.)

1. *L. rKNTAUHILM N.abK.* in Lehm. Plant. Pious. 11.240. f — Herbacea ^labra: foliis lan-ii'uhiiis; siipuli* mteipHiolanbus aoulis s|>li.'ici'lati^; lloribiis lenninalibus subdipitntis IKMIICPUH Inuvisiimix caUcibusque bispidulK; corollao laciuiis Innceolalk — In Nova llolliindin (disir. Su^cx).
2. *L. CORUIKOUA* Hook, in Mitchell, Journal of tropical Australia pag. 341. ndnot. — llfiliicen en'cia omijiiil.it.i gl-ibra : folii* rordnto - acuminatis sesnilibus 3 — 5-nerviis; rnconiis coiynibosis axillni ibui terminnlibiHque in paniculam contractnm terminnlem foliosont Hings ininusvo coiif(cslis. — Habitat in Nova Ilollandia orientali tropica.

XVII. GRNIOSTOIIIA *Font.*

(DC. Prodr. IX. 2K. — Wlprs. Ropcl. VI. 49H.)

1. '(IIAEMOSPRUMUM Steud. — !>:. Piodr. IX. 27. no. 5. — Blumc, Mus. lioi. Lugd. H;i [23H no 517. f -
(i. huf ri(ju(m». luliis in Il«M\O inriilu subius obsolete pubcrulis, venis supra hand iinpie.ssis.
Y* *I'vosum*: lolii* inai-gmc orosiilis in nno medio subt^js pKiolisquo puberulo-s< ;ibndis — *Yulkumeia uminis* lliciim. mss.
5. *riKjiilulum*: fuliis inijin'ssioric veruiuuu Mibrugosis; cymis puberulis.
£. (iiifyiist/ciMm: foliis nn^iiste linceol.ni^ — *Xalitzuma Indira* Hcinw. mss.
C« *vUmtjala*: fuliis longiutibu^ — Crrscuni in s|slvis primaevs insularnm Javae ft Suin.iirni'.
2. *G. HKTICULATA* Ilumo I. c. p. 239. no. 51H. + — Rnmulis apice glabriusculis; foliis ohlongo - lnni-coluiis nciiniiniH, bafi neniis inU'gcnfni^* \eno»is (vonis o neivo medio iitnr|uo 7 — 9), -sublus in nrvo medio pi'liolis«|uc piiberulis, vaginn stipulari brovis-simn truncata; cymU eolilnriis confcriisve nxillaribus 3 — 9-lion's petiolo longioribus glubtiusculis. — Javn.
- i. (. LASIOSTEMON Itlume 1. r. no. 519. -| fl^ 35. - Foliis ovalo-oblunffis vel oblongo-Innrcolnii nemniniitls, basi obiusii v»l neutiusculis, sublus in norvo m^dio, petiolis raniulisque pubcmliis; |i^ina siipulari br«vissima tnincta; cymis solitaiis confenise nxillnubus poiolum iudurqunlibus; enhcibus o|>iiis(luo suhlomentosis; corolla fauce nudn; siaminibus vil'.osinsculis; ovariis tonirntOKis. — *Lawinstomum arbor rum* Zjnn mss. — *I'tHjumllheia ninimboui* lipp. mss.
p. *Mtiliucunum*: tymii olycibusquj farinoso - pubcrulis. — Amboina, Nova Guinea. •

oxsertn. Ovarium bilocularo. Ovula in disiepiiiiiciloruin a|i nerviformi utrinque plurima iampjlotrop; i. Stjliin fliformis, exsertus. Sterna bilobum, lobis plncniibus, emarginotis. r.'ipMili tonnriM bilucilarid, sepicidu - bi|>;iriibilis. spmina io spormophoris ncivifornu-bus, inii-ii rocros suiura vemroli tandem nperios liboris plurima minima peltata imbri-cula, iruiisvcisu oblunga compressa papillosa, dorso transverse crislaia mnrgineque mem-branacco-almii. Kmbijon itirn iilhiuuori carnosum tonne irnnsversale leniier curvatum coyledombus brri ihus siibiiLuis, ladicula cylmduca, uinbilico proximo. — Frutex Sumai tranus volubilis: foliis oppo^ilis. ovutu -oblonyis vtl lancrolatis ncuminutis integerrlmia membrariaceis ^hbhs; peiolis brevibns, linca elevata connexis; corymbis axillaribua oppositis tnlldis, pubc rura consporsis, in paniculam torminaleme conspiranlibus: floribus albidis.

1. ' L. SUM^TRANA Blunie I. c. no. 529. flg. 34. — Sumatra.

XVIII. *FADRAEA* Thunberg.

(DC. Prodr. IX. 28. fig. 561. — Wlprs. Reprt. VI. 48.)

Sect. I. *VEHAE*: Flores solitariae v. subumbellatae v. cymoso-corymbosae, speciosae.

1. *F. TRUNCATA* Blume, Mus. bot. Lugd. Bat. p. 165. no. 374. + — Foliis cuneato-vel elliptico-oblongis cum nervo brevi nudo, basi in petiolum decurrentibus carnosulis subvenosis, petiolorum basi stipulaceo-lanceolatis, margine interno renata; floribus terminalibus subternis; fructibus ovoidibus. — Habitat in insula Celebes.
2. *F. AMBOINENSIS* Blume l. c. p. 166. no. 377. f — Foliis ellipticis, utrinque aculis v. apice acuminatis carnosulis subvenosis, petiolorum basi stipulaceo brevissima emarginata; floribus terminalibus umbellatis ternis vel quinis; fructibus cylindrico-elongatis. — *F. littoralis* [& *Amboinensis* Blume, Rumph. II. 28. — In montanis Amboinae.
3. *F. FORSTEMI* Blume l. c. no. 378. f — Foliis oblongis vel elliptico-oblongis lanceolatisve, utrinque angustatis vel aculeis carnosulis venosis, petiolorum basi stipulaceo brevissima rotundata; cymbo ternis subquinquefloro; corolla infundibuliformi; fructibus fusiformibus. — Habitat in insula Celebes.
4. *F. CKLERICA* Blume l. c. p. 167. no. 380. + — Foliis ellipticis vel elliptico-oblongis, utrinque aculis carnosulis venosis, petiolorum basi stipulaceo truncato-subbiloba; floribus terminalibus solitariis (an semper?); fructibus ovoidibus. — In insula Celebes.
5. *F. TUNHUSA* Blume l. c. no. 381. + — Foliis ellipticis vel oblongo-lanceolatis subulato-cuspidatis, basi aculis venosis, utrinque venosis vel sub obsolete venosis, petiolorum basi stipulaceo brevi rotundata-obtusata; floribus terminalibus solitariis vel paucis fasciculatis; corolla hypocrateriformi, tubo longissimo, limbo quinquefiduo. — In sylvis montanis insulae Sumatrae.
6. *F. HETEROPHYLLA* Blume l. c. p. 168. no. 383. + — Foliis oblongis vel lanceolatis vel obovatis vel spatulatis acutis vel breviter cuspidatis vel obtusis, basi angustatis, margine revolutis coriaceis rigidis venosis, petiolorum basi stipulaceo brevi rotundata; umbella terminali subtriflora; calycis basi pentagonis; fructibus ovoidibus. — *F. littoralis* Krthls. russ. (nec Bl.) — ID insula Borneo.
7. *F. CONGESTA* Blume l. c. no. 384. f — Foliis elliptico-oblongis vel oblongo-lanceolatis acuminatis, basi aculis vel aculeis carnosulis subvenosis, petiolorum basi stipulaceo brevissima rotundata; cymbo ternis triflora; fructibus subglobosis. — In montanis insulae Sumatrae.
8. *F. FUSCESCENS* Blume l. c. no. 385. t — Foliis ellipticis vel elliptico-oblongis lanceolatis, utrinque aculis vel subacuminatis carnosulis venosis vel sub obsolete venosis, petiolorum basi stipulaceo brevi truncata vel subreclusa; cymbo terminali triflora; fructibus elongato-ellipsoideis. — In montanis insulae Sumatrae.
9. *F. SPLENDENS* Blume l. c. no. 387. f — Foliis ellipticis vel elliptico-oblongis acuminatis, basi acutis, margine revolutis coriaceis firmis subvenosis vel supra obsolete venosis, petiolorum basi stipulaceo brevissima rotundata; cymbo terminali pauciflora. — In Borneo australi.
10. *F. COROMANDELINA* R. Wight, Icon. plant. IV. tab. 1316. — Arborca glabra: foliis succulentis spatulato-oblongis, apice retusis, breviter petiolatis; stipulis intraxillaris ramulorum arete interstitibus; pedunculis terminalibus ternis trifloris; corolla subcampanulata, lobis revolutis obtusis; stigmatibus peltatis; baccis ellipticis utrinque atte-

niintis, styli basi persiMente apiculatis carnosis; seminibus parvis subglobosis rugofcis, embryoiKi quam albumen carnosum brevior, radícula sujiera. — Habitat in India orientali (Courialluin, Meilgherries).

11. F. MALARARIGA R. VVght. I. c. tab. 1317. — Foliis obovatis cunëatis subapiculatis, longiusculu peulatis; pedunciilis nxillarihus urminalibusque subqtiinis aggregatis elongatis trilloris; corolla infuudibulifonni, tubo ad basin gracili, calycem subduplo superantu, limbi dilaiati laciniis palmtibus;-stylo stninibusque corollam aequantibus; stigmatc peltalo; ovario hiloculari.— Habitat in Malabaria.

Sect. II. *EVFACJIAEA*: Flores racemosi v. cynoso-paniculati.

12. F. APPENDICIXATA Illume, Mus. bot. Lugd. Bat. p. 169. no. 389. f — Foliis oblongis raro ovato - oblongis acutiusculis, basi obtusis vel rotundatis subcoriaceis venosis, lo(ioloruin basi siipulanca brevissiuja rotundata; cymis in racemum terminalem folium fere adacqiiantem ifclnni mullinoruin dispositis; corolla infundilmiformi, limbo quinquelobo, lobis obovalis, basi biappendiculatis; fructibus ..? — Habitat in Borneo.
13. F. CCSPIDATA Blume I. c. p. 170. no. 390. f — Foliis oblongis vel ovato - oblongis subulato -cuspidalis, basi acutis vol rotundatis coriaceis venosis, petiolorum basi atipulanea brevissima annilari truncaia; cymis in racemum terminalem longisssimum nniantem multilloruiu dispositis; fructibus ovoideo-globosis. — Habitat in sylvis humidis iusulao Borneo.
14. F. ROBUSTA Illume I. c. no. 391. f — Foliis ellipticis vel ovalis; raro lanceolatis, oh-tusiiiscule ncuminatis, basi acutis vel obtusis vel subcordato-rotuudalis coriaceis erassis \L'nosis, pi'iiloliiuin Insi .stipulanca brevissitna annulari truncala; cymis vel pedic'illis in racnmim termiiiulem loiiigi.ssimuui iiii.intGin mulliflorum dispositis; corolla infuiKfultulilunni, limbo quinquelobo, lobis subrotuudi.< aequalibus tubo triplo brevioribus; fruclibus ...? — /: nun'induvfUUA ^ rubusta Blume, Ruinphia II. 32. — In Nova Guinea et in insula Borneo.
15. F. SUBRETICLLATA Blume I. c. p. 171. no. 393. f - Foliis ellipticis vel **ellipt**oblongis rurissiiue lauceolulis, utriusque acutis vel apicem breviter cuspidatis Subcoriaceis, supra venosis, subtus suhreticulato-venosis, petiolorum basi siipulanca brevissiuja rotundata'connata; pedicellij 1—3-floris in racemum terminalem longiusculc pedunculatum crectum vel iiiitaniein brevcin dispositis; fructibus ovoideis. — In Javæ sylvis inoutanis.

Sect. III. *CYHTOHIYLLUM*: Flores corymbosi mediocres.

- 1H. F. KIMANGA Bluiuu I. c. p. 173. no. 399. f — Foliis (majusculis) cliipticis, utrjnque ucumiuftis plaiiis, supra aveniis, subtiis venis subhorizontalibus, petiolorum basi sliipulanca annulari iruncata; peduuculis.?— In sylvis montanis Javæ insulae.

t loon addenda.

- F. LANGEOLATA Blume. - (DC. I. c. 29. no. 5.) - Blume, Ruinphia II. 81. + tab. 77.

XXI U \E K T \K R A Linn.

(DC. Prodr. IX. 32.)

1. G. KOM ~~BL~~ Wght. Icon. A. ¹⁰ V. tab. 1318. — Foliis obovatis oblongis vel oValibus, W&viler acuminatis, ad basin attenuatis; paniculis compositis tricholorais pe-

dunculatis puberulis, quam folia brevioribus; corollae tubo calycem subduplo superantibus, antheris exsertis; filamentis conspicuis. — *Sykesia Koenigii* Am. — DC. I.c.35. no. 1. — In Xeylania insula.

2. G. PANJULATA Until, in Hooker, Niger Flora 459. f — Foliis ellipticis nuncupatis, basi cuneatis breviter petiolatis; vnginis stipularibus truncatis minuto plurisetis, panicula laxa iricbomum; calyce patente brevissime repando-quinquedentato. — Habitat in Africa iropica occidentali.

XXIV. AITTHOCIEI[^]TE Afzel.

(DC. Prodr. IX. 36. — Wlprs. Annal. 1. 513.)

1. 'A. VOGELII Planchon. — Wlprs. I. c. no. 1. — Hook. Niger Flora 459. f tab 43. 44.

Ordo CXLVni. GENTIANACEAE Undi

(Gri[^]cb. in DC. Prodr. IX. 38. & 562. - Wlprs. Report. VI. 499 ft 743, Annal. I. 514.)

Tribus I. GENTIANEAE Griseb. in DC. 1. c. 38.

Subtribus 1. VHIRONIEAE (riiseb. I. c.

I. CHI RON IA Linn.

(Griseb. In DC. Prodr. IX. 39. - Wlprs. Repert. VI. 499, Annal. 1. 514.)

1. 'CD. GLUTINOSA Paxton, Magaz. or bot. XV. 245. (c, ic. sed ab*[<]l. diagn.)

V. KXACUM Linn.

(Griseb. in DC. Prodr. IX. 41. ft 561. — Wlprs. Bepert. VI. 500, Annal. I. 514.)

1. K. (/fcednrfttVonwi) UELLUM HRUCA in Hook. L*^wl. Jmirn. of bot. TIT. 472. — Cflule tptraplero siihsimplici; follis «[^]fl«^{it}l\$^tia 0Tnu«[<] netiinlnth trinerviifl, margino Inovibns; cnlycls quadrlportlii sprgmentis ovatis aruminatis suhalalis; corollae coeruluac tubo calyce incluso, lobis rhomboideo-ellipticia tuha plus triplo longioribus. — HohiiRt in China ad .Hongkong.

t Iconeg addend*^e.

- E. BICOLOR Rxb.*- Griseb. in DC.J. c. 45. no. 6. — Wght. Icon. j>l Ind. or. IV. lab. 1321.
 K. COURTALLENSE Am. — Griseb. in DC. I. c. 47. no. 20. - Wght. I. c. tab. 1323.
 E. PERROTTEH Griseb. - Griseb. in DC. L c. 45. no. ?. — Wght. 1. c. tab. 132?.
 E. PETIOLARE Griseb. — Griseb. in DC. I. c. 46. no. 17. — Wgbl. 1. c. tab. 1324. fig. 2.
 E. PUMILUM Giibtib. — Giiseb. in DC. I. c. 46. no. 14. - Wght. 1. c. lab. 1324. fig. 8.
 E. SKSSILE Linn. — Griseb. in DC 1. c. 47. no. 19. — Wght. 1. c. lab. 1324. fig. 1.
 E. 'EYLANICUM Rtb. - Gristb. in DC. I. c. 45. no. 10. — lluok. Dot. Mug. lab. 4123. —
 Vun Houltc, Flore dos serres V. tab. 435.

Subtribus II. *CHLOREAE* Griseb. in DC. I. c. 49.

VIII. **S A B B A T I*** *Adam.*

(Griseb. in DC. Prodr. IX. 49.)

1. *S. SIMPLEX* Bcriol. ci Schlcùtdl. Bol. Zeit. IX. p. 919. f — Caule erecto tetragono simplici glabro; foliis lanceolatis uncinatis, internodio longioribus; cyma terminali abbreviata; calyce floris tubuloso, fructus globoso, laciniis corolla inulto brevioribus; segmentis corollinis ovalis, basi angustatis. — Alabama (Americ. borealis).

-f **Icones addendae.**

- S. ANGULARIS* Prsh. — Griseb. in DC. I. c. 50. no. 8. — Torr. Flor. of New York II. 113. t tab. 83.
S. CILLOIDES Prsb. — Griseb. in DC. I. c. no. 10. — Torr. I. c. f tab. 84.

IX. **EUSTOUEA** *G. Don.*

(Griseb. in DC. Prodr. IX. 51. - Wlprs. Repert. VI. 500. & 743.)

1. *EU. LACTEUM* Licbm. in E. Olio, Allg. deutsche Grtn/tng. IV. 369. — Ann. sc. natur. (3. Ser.) IX. 318. — Schilclud. Bot. Zeit. VI. 792. — Glaucescens erecta, apice subramosa: foliis uncinatis oblatis mucronatis, inferioribus oblongo-lanceolatis, basi angustatis, superioribus oblongis basi cordatis. nervibus solitariis longe pedunculatis; calycis laciniis subulato-acuminatis, corolla alba, faucibus violaceis, tubo angusto, calycem subaequantibus, lobis oblongis, lobum duplo superantibus. — *Urananthus pallidus* Licbm. — Crescit ad Tebuacan, Mexico.
2. *EU. MACULATUM* Bmh. Plant. Hariw. 292. no. 1615. — Foliis oblongo-linearibus basi angustatis; corollae segmentis elliptico-oblongis, tubo brevissimo pluries longioribus, lobis stigmatiferis anguste oblongis; pediculis intra capsulam unilocularem vix prominentibus. — Herba erecta sesquipedalis. Folia 1—2-pollicaria, inferiora 4—5 lin. lata basi in petiolum longiuscule angustata, superiora sessilia angustiora et undique fere aequilata. Flores pauci speciosi, longiuscule pedunculati. Calycis segmenta basi in tubum membranaceum turbatum breviter connata linearibus subulatis, 6—8 lin. longa. Corolla tubo brevissimo subrotata, segmenta 9—10 lin. longa alba basi macula (in sicco nigro-caculescente) notata. Filamentum in sicco nigra, 2 lin. longa. Antherae demum recurvatae vel circinnatae nec spiraliter contortae. Stylus stamina subaequans, apice cylindraceo-clavatus, lobis vix palmaribus multo angustioribus quam in caeteris speciebus. Capsula oblonga, 5—6 lin. longa coriaceis placis spongiosis parum prominentibus. — Crescit ad rivulum quendam prope Lagos in Mexico.

XVIII. **ERYTHRAEA** *Renealm.*

(Griseb. in DC. Prodr. IX. 57. a 561. — Wlprs. Repert. VI. 501, Annal. I. 514.)

1. *E. CILLOAEFOLIA* Lehm. Plant. Preiss. II. 239. f — Caule erecto simplicissimo foliis obovatis obtusiusculis 3—5-nerviis, pallide viridibus, imis minutis marcescentibus; floribus terminalibus subcorymbosis bracteatis; corolla calyce longiore (lutea), laciniis limbi oblongis obtusiusculis. — In Nova Hollandia meridionali-occidentali.
2. *E. FLORIBUNDA* Benth. Plant. Hartw. 322. no. 1832. — Caule erecto humili a basi ramoso; foliis imis ovatis ellipticisve obtusiusculis, superioribus oblongo-

Innceolatis; panicula multoties dichotoma subfastigiata; fioribus sessilibus vel imis breviior pedicellatis; corollae tubo per anthesin calyce paulo longiore, lobis oblongia oblusiusculis; styli apice breviter bifidi lobis cuneato-dilatatis subgloboso-stigmatosis. — Aflnis *E. ramosissimac*, flores fere omnes sessiles, in vivo pallide rosei, in sicco flavescentes, magnitudine varietatum pariorum *E. ramosissimae*, inferiores distantes, summi conferti. Capsulae valvulae introflexae, praesertim in parte inferiore capsulae. — Crescit in California valle Sacramento.

t **Icon addenda.**

B. ROXBORGHII G. Don. — Griseb. in DC. I. c. 59. no. 11. — Wght. Icon, plant. Ind. or. IV. tab. 1325.

XIX. **CICERTDIA** *Griseb.*

(Griseb. in DC. Prodr. IX. 61. - Wlprs. Repert. VI. 501.)

1. C. QUITENSIS Griseb. Linnac. XXII. 33. f — Caule gracili, superne dichotomo; foliis inferioribus ovalibus, superioribus ovalo-lanceolatis lanceolatisque acutiusculis; pedicellis elongatis a bractea remotis; calycis quadripartiti segmentis linearibus paulis; corollae „coccineae” tubo paulum superante, a limbo patente distincto; capsula uniloculari. — *Erythraea Quidensis* Knih. — Crescit in Venezuela prope Merula.

XXII. **CYTHROSCORPA** *Lam.*

(Griseb. in DC. Prodr. IX. 64.)

1. C. (*Cythrophium*) CYTHROSCORPA Wght. Icon. pi. Ind. or. IV. tab. 1326. — Caulibus superne anguste quadrilatis, diffuse romosis; foliis lanceolatis acutis (runcinis, floribus orbiculatis pedifolialis; fructibus ternatis subsessilibus; caule laevi alato. — Habitat in India orientali (Coorg & in Mysore occidentali).
2. C. (*Eucanscora*) LAWII Wght. I. c. tab. 1327. fig. 1. — Caule diffuse ramoso non alato; foliis suborbicularibus cuspidatis; bracteis subulatis minutis; floribus omnibus pedicellatis; calyce exalato laciniis subulatis, limbum corollae dimidium aequantibus; stylo filiformi exserto, stamina fertilia ovata superante; stigmate bilamellato; corolla rosea. — Habitat in India orientali (Bulgaum).
3. C. DECURRENS Dalzell in Hook. Kew gard. misc. II. 136. f — Caule erecto late tetraptero; ramis oppositis vel alternis; foliis decurrenibus, inferioribus oblongis, basin versus attenuatis, superioribus ovatis vel lanceolatis acutis; floribus centralibus deficientibus; calyce exalato; corolla parva pallide rosea interdum alba. — Folia inferiora bipollicaria, 1/2 — 1 poll. lata. — Habitat in India orientali in oryzetis.
4. C. PAUCIFLORA Dalzell I. c. f — Caule erecto tetraptero parva laraoso; foliis parvis, inferioribus ovatis oblongis, superioribus oblongis acutis, omnibus sessilibus 3-nerviis, supra margine scabridis; panicula inaequaliflora; floribus longe pedicellatis solitariis, pedicellis intrapleris, apicem versus incrassatis; foliis floralibus minutis bracteis deformibus; stylo exserto staminibus multo longiore, corollam nequante. — Folia 5 — 6 lin. longa, 2 — 3 lin. lata. — Habitat in India orientali, in graminosis provinciae Malwan.

f **Icon addenda.**

C. PERFOLIATA Lam. — Griseb. in DC. I. c. 65. no. 5. — Wght. Icon. pi. Ind. or. IV. tab. 1327. fig. 2.

XXIII. SL. EVOGTIA *Hchb.*

(Guseb. in DC. ProJr. IX. fi5.)

1. SL. MAIUTIMA Dolzcll in Hook. Kew gard. misc. n. 137. f — Glabra: caule adscendenie shnplici tetragono; foliis oppositis subsessilibus lanceolato - oblonfcis obtusia trinerviis approximate; calycw brocleaii lobis obtusis capsula longioribus; floribus in axillis oppositis lernis sessilil.us. — Folia 1—2-polhcaria, 6 — 12 lin. lata. — Habitat in India oricntali in prov. Viziadroog ad littus marinum.

XXVa. REICHEHTIA *H. Karsten.*

(Krstn. in Schleichd. Dot. Zmg. VI. 397.)

Flos tetramems. Calyx qnadiifidus quadrialatus. Corolla* hypogvna infiiiiidibuliformis marcescens, laciniae limbi quadrifidi spathulatae. Stamina quatuor, supra medium tubi mserta, inclusa; filamenta basi dilatato; antherae ercatae immutalae longitudinaliter introrse dehiscentes supra basin dorso affixae. Ovarium uniloculare apicc attenuato subconicum; ovula in placentis suturalibus plurima; stylus longus filiformis persistens; stigma crassum bilobum. Capsula unilocularis bivalvis-semma plurima.

1. R. ROSKA Karst. I. cit. 397. f — Herba annua 6—8-pollicaris: canle letragono erecto flore lerninato ramoso; ramis slrictis fastigiatis; foliis ojipositis, internodio longioribus 1—1'A-pollicaribus sessilibus oblongo-cllipicis iiiiogerrimis acuminatis. — Crdff^L in Venezuela propo Puerto Cabello.

XXVI. SCHULTESIA *Mart.*

»
(Griseb. in DC. Prodr. IX. 67. - WIprs. Reperf. VI. 502.)

1. **SCII. BENTHAMIANA** Kltzsch. mss. ex Griseb. Linnaeu XXII. 31. - CauUs gracili s. peme dichotomo; foliis lincanbus acuminaiis, internodia subacquanlibus sessilibua^u cymae pediccllis lateralibus paieutibus, internodin subaequanlibus sub apice bibraclea^u Us; calydb lubo nervoso, nervis juxta alam reiiiculis; aiis semilanceolatis transvers^u nervous; corollae qiadriHdae exserlae „flavidae". lobis obovalo-rotundatig - Pro,i-m! *Sch. angusttfohae* Grsbch., at tubi cilycini nervis prominulis, foliis basi non aitenunTit et corolla minore polbcan differt. - Crescit in Guiana Anglica, in savanis udi;-----* fluvium Surunia. --IS
2. **SCH. SUBCRENATA** Kltzsch. mss. 1. cit. - Caule nano erecto Illiformi subsimDlicl. foliis brevibus linean-setaceis, inferioribus internodio multo brevioribus, flore ferim^l nali subsolitario flavo; calycis tubo nervato, venis prominulis cum ala contiguis alii semilanceolatis subcrenato-repandis, transverse nenosis; corolla brevi quadriflda^u na^u rum exserta. - Crescit in Guiana Anglica, in paludibus ad (lumen Cotinga.
3. **S S** **ROSA** Miqu. **WIS** **Repert. VI. 502. no. 1. — Sch. neuroptera**
III. 35.

Subtribus III. *LISIANTHEAE* Griseb. in DC. 1. c. 70.XXXIIo. X E S T A E A *Griseb.*(Griseb. *Linnaea* XXII. 35.)

Calyx quadrifidus, lobis acuminatis exalatis, dorso carinalis, margine scariosis. Corolla infundibuliformis nuda, circa capsulam marcescens, tubo supra fundum constricto, fauce ampliata brevi cum limbo quadripartito confluenle. Stamina quatuor, corollae tubo supra fundum inserta; antheris creeds immutatis, fauce inclusis, connectivo in apiculum producto. Ovarium valvulis introflexis semibiloculare, ovulis margini valvularum insertis. Stylus distinctus deciduus, stigmatē breviter bilamellato. Capsula bivalvis septicida, valvis fere ad a\in introflexis semibilocularis, placentis margini interiori valvularum insertis. Semina funiculis a placenta distinctis immersa.

- I. *X. *LISIANTHOIDES* Griseb. 1. cit. 36. f — Crescit in Venezuela*, ad fossas humidias prope Bituco.

mill. *LISIAETHUS* *Aum.*(Griseb. in DC. Prodr. IX. 72. 8t 562. — Wlprs. Repert. Yf. 503, *Annal.* I. 515.)

1. L. (*Calolisianthus*?) *PRINCEPS* Lindl. *Gard. chron.* 1849. p. 628. c. ic. xylogr. — Van Houtte, *Flore des serres* VI. 63. t. 557. — Paxt. a Lindl. *Flow. gard.* I. 90. fig. 61. — Fruescens g'aberrinus dichoiome ramosiis; ramis ri e currenti a petiolorum quadricostulais; foliis breviiier petiolatis lanceolato - oblongis acuminaiis, utrinque acutius-cJOK margine obsolete orosis, ncrvis secundariis utrinque duobus; floribus ad apicem ramulorum 1—5, in pseudo-umbellam approximalis nutantibus maximis speciosis, pedicellis gracilibus pollicaribus, ^uperne sensim clavatis; caiyce lubuioso-campani-forrai quinquetldo, laciniis dorso crasse carinalis; corollae engusie lageniformis 5-pollicaris tubo longissimo hinc sensim gibbo aurantiaco, limbo cupuliformi, laciniis ovatis obiusis, basi excepia viridibns; st\lo longe, siaminibus breviter excens, antheris supra basin bifldam afflxis, demum apice revolutis. — Habitat in Columbia.
2. L. *PULCHER* Hook. *fiot. Mag.* tab. 4424. f — Van Houlte, *Flore des serres* V. tab. 441. — Elatus erectus: caule raraisque obtuse tetragonis; foliis petiolatis elliptico-lanceolais acuminatis, nervis laterahbus paribus duobus; panícula terminali trichotoma; floribus pendulis; calyce brevi ovalo breviler 5-lobo, lobis obtusis; corollae (coccineae) infundibuliformis tubo basi anguslato, limbo parum obliquo 5-lobo, lobis ovatis obtusis patenlibus; siaminibus styloque exserlis, antberis apiculatis. — In Nova Granada.
9. L. (*Maci-ocarpaea*) *VASCULOSUS* Griseb. *Linnaea* XXII. 37. f — Gaule tetraptero, ad nodos vagina brevi ureiiscula cincto glabro; foliis ellipticis, utrinque acutis ovatisque, longiuscule petiolatis glabris, subtus crassiveniis, venis prominulis juxta marginem arcuato-conlluentibus; calycis quinqueparlili segmentis ovatis oblusiusculis; corollae (2%" longae) stramineae tubo sensim ampliatio aequali, lobis paienlibus late ovalis, breviiier mucronulatis; genitalibus paulum exaefflis; capsula. . . .? — Proximus L. *daiuroides* Griseb., petiolo brevissimo, foliis parce venosis et atiiis quibusdatn signis strenue distinctus. — Crescit in Venezuela, in moatibus elatioribus provinciae Caracas p'rope Tovar, Galipan.
4. L. (*Leiothamnus*) *NERIOIDES* Griseb. 1. cit. 39 f — Caule tetraptero glabro, alia angustissimis; foliis lanceolatis acurainatis breviter petiolatis glabris; oalycis quinque-

partiti segmentis ovato-oblongis obtusis; corollae roseo-coccineae tubo 2" fere longo) cylindrico aequantibus duplo superante, segmenta limbi expansa. Inaequalia cuspidata. Inaequalia duplo superante, geminalia subaequante; capsula nuda. — Proximus botanice mucranthus n. — Crescit in Venezuela, in regione superiore provinciae Mactula prope las Laguneas.

- 5 I, ELISARETHIAK Griseb. I. c. 40. f — Caulis cretiusculo gibbus laevi; foliis ellipticis, utrinque inaequantibus, longiusculis potius glabris; nervis quinquangulis segmentis oblongo-lanceolatis obtusiusculis; corollae rubrae tubo (16" longo) cylindrico aequali, calycem paulo superante, segmentis limbi expansis. Inaequalia acutiusculis parum longiore, geminalibus brevioribus capsula . . . ? — *Leiothamnium Khasathac* Srinibngk. — Crescit in (Insula) Anglica, in sylvis profundis montium Horaimn.

t Icon addenda.

- I. SPLENDENS Hook. — Wlps. Annal. I. 515. no. 1. — Van Houtte, Flora ties series IV p 349 b tab. 353.

XXXIXa VOYRIKI. f. Miqu.

(Miqu. Stirp. select. Surinam. 146.)

Calyx pentapetalus, sepalis praefloratione subimbricatis. Corolla subcylindrica, basi limbulata, supra medium pariter constricta, limbo (quinque) lobato, marcescens, deinde dejecta, calycem aequans. Stamina inclusa, superiora (ubi parte inclusa) limbulata brevissimis, antheris obovatis liberis, connectivo subulato prodesto. Ovarium oblongum, stylo persistente, siliqua marginafo. Capsula ovata quadrisulca, incomplete bilocularis. Medio dhisceis? Semina placentis immersa subglobosa arcuata. — Herbulac Surinamensis: radice fibrosa; squamis caulibus oppositis vel summis alternis; inflorescentia cymosocapitata; floribus parvis, supra bractaeas lanceolatas insertis, medio subsessili.

- 1 V. PAHVIFLORA Miqu. I. cit. 147. — Crescit in Surinam.

XXXIXb LEIANTHUS. f. Miqu.

(Miqu. Stirp. select. Surinam. 147.)

Calyx quinquefidius. Corolla hypocraterimorpha, tubo basi tumido, limbo quinquefidio, marcescens, calycem longe superans. Stamina quinque, filamentis e medio circiter tubo liberis, antheris inclusis erectis sapientibus, connectivo hand exserto, Jocularibus basi in setam productis. Ovarium oblongum. stylo elongato persistente, stipmate capitellato. Capsula incomplete bilocularis, medio dhisceis; seminibus oblongis vel subglobosis, testa areolata. — Herbulac Surinamenses, radice fibrosa, apice cymosu floriferae, floribus lilacinis vel albidis, prope. *leianthum* accedentes, filamentis dorsifixis stigmatibus capitellato revera liuc generi affines.

1. *L. CORYMBOSUS Miqu. I. c. — *Voyria corymbosa* Spligrb. — Griseb. in DC. Prodr. IX. 85. no. 12. — Crescit in sylvis Surinamensibus.
2. *L. NIVEUS Miqu. I. c. 148. — *Voyria nivea* Miqu. Linnaen XIX. 140. — Wlps. Repert. VI. 504. no. 1. — Crescit in Surinam.

XXXIXc. LmPHAIRIOS Cham, y ScMcht.

(Miqu. Stirp Surinam, select. 148. — *Voynae* sect. II. Griseb. in DC. Prodr. IX 84. no. 4 — 11, excl. no. 8.)

Calyx quinquefidus. basi nudus. Corolla infundibuliformis vel cylindrico-hypocraterimorpha. Antherae sessiles, summo lubo insertae, nee basi, nee apice productae. Charhun oblongum, stylo stamina parum superante, stigmate capitellato. Capsula medio dehiscens. — Herbae Novi Orbis calidioris, Mexici, Guianae, Brasiliae et Indiae occidentalis sylvas habitans, radicibus fibrosis foliis dejectis infixac, in systemate prope *IrWachiam* et *LisiamUhum* referenda.

1. *L. SPATHACEUS Miqu. I. T. — *Voyria spathacea* Lam. — Griseb. in DC. Prodr. IX. 84. no. 4.
2. *L. MEXICANUS Miqu. I. c. — *Voyria Mexicana* Griseb. in DC. I. c. no. 5.
3. *L. AURANTIACUS Miqu. I. c. — *Voyria aurantiaca* Spltgrbr. — Griseb. in DC. I. c. no. 6.
4. *L. KUDUS Miqu. I. c. — *Voyria nuda* Spltgrbr. — Griseb. in DC. I. c. no. 7.
5. *L. TENUIFLORUS Miqu. I. c. — *Voyria tenuiflora* Griseb. in DC. I. c. no. 9.
6. *L. TENELLUS Miqu. I. c. — *Voyria tenella* Guilding. — Griseb. I. c. no. 40.
7. *L. UMFLOREUS Miqu. I. c. — *Voyria tint flora* Lam. — Griseb. in DC. I. c. no. 11.
8. L. PALLIDUS Wpr. mss. — Caule simplici unifloro; squamis parvis appressis, basi connatis oblongis, oppositis; calicis irifidi corolla sexies octiesve brevioris lobis lanceolatis, uclis vel subtriangularibus; corollae pollicem vel sesquipollicem longae lubo longissimo, basi et apice antheris, lobis oblongis ovatisve obtusiusculis breviter stipulatis; stylo ovarium duplo superante. — *Voyria pallida* Griseb. Linnaea XXII. 65. — Crescit inter folia pulchra in ruiticis prope Paramaribo in Surinam.

XXXIXd. m S A B M R T A Miqu.

(Miqu., Stirp. Surinam, select, p. 150.)

Calyx basi nudus, breviter quinquefidus. Corolla infundibuliformis, lubo basi campamilato, lobis longiore. Antherae, quinque sessiles. Ovarium sessile, basi utrinque glandula complanata instructum, stylo antheras parum superante, stigmate (magno) revoluto crenato. — Genus *Tachideno*, *Tachia* et *Symbolantho* analogum.

1. *L. FLAVESCENS Miqu. I. c. 151. — *Voyria flavescens* Griseb. in DC. Prodr. IX. 85. no. 8.

XXXIXe. PNEIJITIOXATHTHOPSIS Miqu.

(Miqu., Stirp. Surinam, select, p. 150.)

Calyx quinquefidus. Corolla hypocraterimorpha vel subclayala. Stamina quinque, filamentis partim liberis, antheris circa styli apicem connatis, utrinque obtusis. Stigma peltatum vel concavo-infundibuliforme. Capsula . . . ? — Genus floribus majusculis insigne, antheris connatis singulare, inter *Lisiantheas* analogo genere carens, capsula

nondinn co^nila dubjue aftinitatis, e longinqiio *Gentianas synantlieras* in mentem ic\ot al.

1. *IN CLAVATA Mnji. I. & — *Vuyria clavata* Spligrbr. — Grisebr. in DC. Prodr. IX. 85. no. 13.
- I. 'IN LEICANTIA Miqui. Winsen. *Vc nolurk. Tijdsclir.* I. 124. — Liber a mu non visus.

XL, VOYRIA *Aubl. (Miqu.)*

(Miquel, *Stirpes Surinomis. select.* 150. — Griseb. in DC. Prodr. IX. 81. seel, i.)

Calycis- inM trihractcolati quinquofidi lobi ovati veManceolati. Corolla h\pocraterimorplia. Antherao qmnqic sulisossi[os, summo tubo ampliato msertae. Slipiuu csi|ulaliim. Capsula lota inde ab apicc duhiscens. — Ilcrbac ijiiianunsus ramosuc; rhizomalc lux^roso: squamis cuuliuus oppo- MIIS; Ilonbus inajusrulis, ob culyciMii trihractcolalum *Coutoubeae* analogac, viv tanion ru\era affines.

Trihus IV. *SWERTIEAE* r. riseb. in DC f. c. 86.

XLI UENTIAIVA *Tournef.*

(Griseb. in DC. Prodr IX. 86 it 56? — Wlprs. Repen. IV. fl04, Annal. 1. 515.)

1. *G. (Andicuta) SELAGINIFOMA* Griseb. Linnen XX11.42. f #- Cnulo humili ascendente donne folioao, superne in romo« pnuos diviso; foliis coriocius ovaio-lonceolatis obiu- aiuaculis, marginu scabriusculis; cymis terminflibus tfonrciaais multilloris; corolloc ro- latnn iinberbis „vlolocoae< legmenlt elliptico - l&nccolatis oblusis, ralyccm pro fun do quinqufldum vix duplo flupcnmiibus. — *G. nummularifolia* var. *cramitilia* Hnth. — Crescit in provincia Ecundor, juxta craterem month Volcon do Posio, nltitud. 12000 pod.
2. *G. YIHIDIS* Griseb. I. c. 43. f — Caulo stricio erecto pedali cymao racemiformis no- ribus rernuis Mvirchcunliliius<^k; fulns connccis lum lincoribus neuiiusculis, margine scnbiiuscillis, imis oggregalis; corullnc rointae imberbis segmenlis elliptico-linceolatis obui.siusculis, culyccm (lquinqueparliluim duplo superanlibus. — Crescit in Venezuela in nionto Puramo de la Culata.
3. *G. (Amarilla?) PULMONARIA* Turcz. Dullelin do In soc. impr. des natural, de Mos- cou XXII. Part. IV. pag. 317. — Cnulis croclis vel bosl useendoutibus, plerumque ab ipua basi nunosis; fobis inferiorihus s|>athulatis, caulinis sessilibus acmiamplexicauli- liiis, ovatis ohtusis, mnrgrine scabriusculis; calycibus 5-parlitis porum inaequalibus ubtiibus, lubo corollac coronnlac liypocrnterimorpliau 5-(rarius 4)-fldae duplo breviori- buei; lobi> coioll.ie paiemihus encrviis, lubo iriplot brevioribus. — Habitat in inontosU subalpinis DaikalcnM - Dahuricis.
4. *G. (Atnarella) FALCATA* Turcz. 1. c. p. 319. - Caule n basi in ramos ipso longiores plerumquo unilloros diviso, ranus »jiriplic< pedunculo coilem excedente; foliis inferioribus oblongo-spatbulatis, caulinis oblongis vel ovato-obloogis, basj uttenualis, oiargine luuvibus; colycia quinqneparlj;i lociniis inaequalibus iocuivo - subfalcalis cklusqao rphcalis, lubo corollao coronalae quinquelldae parum brevioribus, basi solulis flngulig.

que in pedunculum longe decurrenibus; corollae lobis potius multincerviis. — Habitat in alpe Nuchu-Dnban Daicalensi-Dahurica.

5. *G. (Chonbrophylla) DISIIMILENSIS* C. Koch, Linnaea XXIII. 583. + — Caulis brevis debilis, saepe ascendens, surculis sterilibus dense foliosis intermixtus; folia linearibus oblonga acuta, margine brevissimo cartilagineo laevi cincta, ad caulem inferiorem densa, sed ad superiorem 2—3 paria distantia; calyx anguste urceolatus, laciniis inungularitate colatis, tubo corollino triente parte brevior; corollae lacinae oblongae, obtusissime, plicis dilutioribus irregulariter denticulatis duplo longiores; germen longe stipitatum, oblongum, stylo brevissimo instructum, stigma demum revolutum. — In montibus Ponti.
- ti. *G. (Pneumonanthe) FIMBRIAEPLICA* C. Koch, Linnaea XXIII. 584. + — Caulis descendens teres, elevatio-spiralis; folia ovato-lanceolata trinervia, margine auriculata serrulata ideoque scabriuscula, vaginis connatis 2 lin. allis insidentibus; flores in apice caulis 4—8 nigris involucri subsessilibus calyx membranaceus, limbo florum, retusius, corolla triplo et ultra brevior, laciniis 5 angustissime ellipticis aut linearibus, plerumque aequilongis, distantibus; corolla in medio tubo sublimbo amplexu, lunc cylindricam, lobis 5 late ovatis brevibus, plicae fimbriatae, limbus longis, lobis vix brevioribus; germen longe stipitatum, stylo acuto orrecto, basin antherarum poene aequantem. — In Grusia.
2. *G. CORDIFOLIA* C. Koch l.e. 565. f — Caulis ascendens amplexu-sculus teres* densifolius simplicissimis; folia inferiora ovata, superiora et superiora cordata acutiuscula quinque-nervia, margine subtilissime serrulata ideoque scabriuscula, vaginis connatis 3 lin. allis insidentibus; flores in axillis foliorum supremorum solitarii, inferiores breviter pedunculati, superiora subsessilibus, folia superantes; calyx corolla quadruplo brevior non lissus, laciniis 5 distantibus linearibus ellipticis, aequilongis aut longioribus, basin plicarum saepe attigentibus; corolla lubulosa urceolata, magis sensim quam subito ampliatu, lobi ovato-acuti, tubo suo 5—6 plo breviores, plicae fimbriatae, fimbriis elongatis, lobis brevioribus; germen longe stipitatum, stylo acuto, longitudine laminum. — In altissimis montibus Ponti
- b. *G. (Pneumonanthe) SALPINX* Griseb. Linnaea XXII. 44. f — Caule erecto simplici scabriusculo; foliis basi cuneatis lanceolatis vel ovato-lanceolatis acuminatis trinerviis glabris, inargine glabriusculis; Doribus axillaribus oppositis breviter pedicellatis, supremis cum terminali in cymam 5—7-floram collectis; bracteolis binis basi connatis, calycem amplectentibus ipsumque aequantibus; calycis quinquefidio tubo campanulato lobos lineares squarrosos-patulos subnequante; corollae purpureae tubo clavato calycem duplo, limbum quadruplo superante, lobis quinque ovatis obtusiusculis revolutis, plicis minutis integris acutis hinc obsolete; antheris liberis exsertis; seminibus....? — Crescit in Mexico prope Temascaltepec.
9. *G. GELIDA* M. 0. — Griseb. in DC. J. e. 112. no. 131. — Bolss. Diagn. pi. nov. Orient. XI. 79.
- var. *prostrata*: caulos a collo 3—5 recurvo-petentes prostratos 3—4 pollicares, Oeres foliaque iis speciei minorae. — Crescit in alpibus montis Totschal prope Teheran in Persia.

t Leones addendae.

- G. DETORSA* E. Fries. — Griseb. in DC. I. c. 101. no. 76. — Torr. Flor. of New York II. *08. f lab. 82.
- G. PEDICELLATA* Wall. - Griseb. in DC. I. c. 107. no. 101. — Wgh. [con. plant. lad. or. IV. tab. 1328.
- G. SAPONARIA* Linn. - Griseb. in DC. I. c. 113. no. 154. - Torr. I. c. 106. t lab. 81.

XIX. OPHELIA G. Don.

(Griseb.) in DC Prodr. IX. 123. — Wlprs. Reperl. VI. 508, Annal. 1. 516.)

1. *O. (A.P.M.) GRISEBACHIANA* Wght. Icon. pi. Ind. (or. IV. tab. 1330. - Erecta, inferno simplex, suporne rmosa, fjsiigiuto: foliis upposhis vcl icnatim verticillalis Jnncolnisi; acutis vcl noitnuuqiain jiiig-iistu liieirihiis irinerviis; corymbis muliidoriy rompaclis; colycis loinš subulalo - aculis com I lam »uhacquanlibus; corolla quadrtlda, divisiuibus Inurcololis oculis; foveia squamula margine longe llmbnaia leclis. — Habitat in India orientali (Pulnoy mountains).
2. *O. (Agaihotec) ELEGANS* Wghi. I. c. tab. 1331. — Erecta, suraum rmosa: canlc ramisqvc obsolete telrnonis; foliis siissilibus nngusto o\aiio-linnreolaiis, in acumen gracilo attenuatis Mrinorvns, nervis lateralibus propo marginem; minis ascondentibus gracilibus, id nodes cjinis lalernles paucilloras prefereniibus, paniculam magnam inull-lomm foliosim cfllicientibus; ceilycis lobis nngtitlu luncrolulis aculis, corollue duas lerlias rirciler ac(juanlibus; coiollac licmiis obov.nis cuspidalis, foveis pilis validis cinriis; lloribus pjillno couruleis. — Habitat in India oieniali (Tulncy).
3. *O. MW/riFLOIA* lial/cil in Hook. Kew ganl. misc. II. 135. — Caule lelragono letrap-luro iicimioio udsuendenic; foliis roiundaio-u\atis amplexicaulibus 5-nerviis (nervis Z extoioioibus minus prominclibua) mucronulatis decussalis auqualibus glabris; cymis f.istigiatis niulullons; calycis luciiiiis Junceojaiid acuminuiis, margine inuue serrulalis, corolla 'i bro«ionbus; corollie 4-~~n~~ titae albuu segumnlis ovato-cllipiicis mucronulu-lu; foveis urtiail.Uj* llinbrii^ lonyi-, liburis pnpillulis cinclis; •flamunlis subulalia jMa basi connatis. — Coiollu 5 lin. longii. - Habitat in India orientali ad Syliadrec.

t Icoien aildendfie.

0. CUHYMUOSA Griseb. in DC. I. c. 125. no. 8. — Hook. Dot. Magaz. lab. 4489. - Wglu. Icon. pi. Ind. or. IV. tub. 1329.
0. MINOR Gnsch. in DC. I. c. 126. no. i'i. — Wght. I. c. tab. 1332.

II. HALEIVIA Brkhsn.

(Griseb.) in DC. Prodr. IX. 128. — Wlprs. Ilopcrri. VI. 5(«.)

1. 'II. PUMtOTTETII Griseb. in DC. I. c. 129. no. 8. - Wght. Illuslr. of Ind. bot. II. tab. 157. tic Icon. pi. Ind. or. IV. tab. 1334.

III. FKASERA Walt.

(Griseb. in DC. Prodr. IX. 131.)

1. FR. NITIDA Dnth. Plant. Uariw. 322. no. 1833. - Caulibus simplicibu? foliisque linouribus glaberrimia; cymis densifloris in thyrsum terminalem disposita; foveis oblongidp solilariis; coronae flamenlis in squamas incisas cum siaminibus alternantea conualii. — Species *Fr. albicanti* similhma scd olntior, inflorescentia laxior, flores (pallide caerulei) paulo majorvs el praeseriun caulis et folia glaberrima niidula nee scabro. pu-Loscentin. Character genericus ((irisubochii) vix cum speciebus occidentalibus convenit. Corolla enim marcescens ctiam sub fructu maturo persisilil, et coronae adest in iV. *npeciosa* intra corollam ct stabinn conlmua, a llamonlis numerosis subaequalibus vcl bine inde geminalim connatis conilans, in *Fr. albicanli* ct *Fr. nilida* coronae flamenla magia minusvc connatac sum in squamas Incinialas sinminibus ollornanlos et cum iis in anulum brevissimum basi connatac. In his etiom stylus integerrimu^ videtur, tuberculis siigmatosis vii dislinclis. — Ciescit in Californae montibus Sacramento.

THE SWERTIA *Linn.*

(Griseb. in DC. Prodr. IX. 131. ft 562. — Wlprs. Ropert. VI. 509, Annal. I. 516.)

- I. SW. PBTITIANA A. Richard, Tent. Flor. Abyss. II. 55. t — Spithamnca glabra: caule erecto, basi simplici aut trichotomo, obsolete quadrangulati; foliis inferioribus ovali-spathulatis, basi in petiolum brevem attenuatis, caulinis ovatis - oblongis sessilibus obtusis; cyma inchoata; floribus luteis breviter pedicellatis; sepalis inaequalibus oblongo-spathulatis obtusis, corolla dimidio brevioribus; pistillo pyramidalis, stigmate subreniformi terminato. — Habitat in Abyssiniae praelis montosis provinciae Quodgerate.
2. SW. QUARTINIANA A. Rich. I. c. f — Perennis: caule erecto crasso 10—14 uncias alto obsolete 4-angulati, basi simplici; foliis caulinis elliptico-lanceolatis, basi sensim attenuatis, inferioribus spatulato-oblongis obtusis, basi sensim in petiolum attenuatis; sepals spatulato-oblongis obtusis; corollae segmentis calyce triplo longioribus obovatis obtusissimis, versus basin lifoveolato-glandulosis, foveolis breviter ciliatis; ovario oblongo apice non attenuato et stigmatibus bilamellosis reniformi obtusissimo terminato. — Habitat in Abyssiniae prov. Chire.
3. SW. INTERMIXTA A. Rich. I. c. p. 57. f — Perpusilla annua: caule digitali gracili simplici, obsolete tetragono; foliis inferioribus oblongo-ellipticis obtusis, basi vix petiolatis, caulinis ovalibus supremisque minoribus obtusis; sepalis elliptico-subspathulatis obtusis, corolla quadripartita brevioribus; segmentis corollae elliptico-oblongis obtusis, basi glandulosis foveolatis, foveolis valde ciliatis; ovario apice subattenuato. — Habitat in locis herbosis Abyssiniae prov. Chire.
4. SW. STIGMANTHA G. Koch, Linnaea XXU. 587. f — Bipinnatis et ultra, strigata: foliis radicalibus et caulibus inferius oblongo-nerviatis, quibus nervi venosi, in petiolum paene nequilonum latum subito attenuata, nervi reliqui alternim breviter petiolata aut ut floralia subsessilia; bractae lanceolatae, pedicello longiores; panicula racemiformis elongata, ramis inferioribus longioribus stricte erectis, ramis adpressis; (lores breviter pedicellati nervi; spatulae lanceolatae longe obovatae, obscure trinerviatae, corolla duplo breviora; ovaria laciniata oblonga acuta lutea, punctis coeruleis tinctae, flabrae foliolis duplo longiores; antherae coeruleae. — In Caucasi monte Kasbok.

Tribus II. MENYANTHEAE Griseb. in DC. I. c. 136.

LVI. MELISSA *Gmel.*

(Griseb. in DC. Prodr. IK. 138.)

1. L. ANANTHACUM Dnlzell in Hook. Kew gard. misc. II. 136. — Umbellae axillaribus; foliis parvis orbiculatis, basi profunde cordatis obscure palmatis, supra nitidis, subtus glandulosis punctatis purpureis; calycis laciniis lanceolatis corolla duplo brevioribus; corollae tubo inaequali, segmentis cuneatis, apice late et profundo emarginatis, margine nervatis, basi transverse plumoso-barbata glandulosis; antheris in fovea subsessilibus, loculis basi sagittato-divaricatis; tubo brevi crasso, stigmate bilamellosis, in mellis digito-plurilobatis; capsula ovata obtusa calyce longiore 12-nerviata; somnibus lonchitidis muricatis. — Habitat in India orientali prope Mai wan.

Ordo CXLIX. BIGNONIACEAE R. Br.

(DC. Prodr. IX. 142. ff. 563. — Wlprs. Rept. VI. 511. & 743, Annal. I. 516.)

Tribus I. BIGNONIEAE Bojer. — DC. j. c. 143.

Subtribus I. EUDIDWNEAE: DC. 1. c.

I. BICHKTOXIA Tournef.

(DC. Prodr. IX. 143. ff. 563. - Wlprs. Rept. VI. 511 & 743, Annal. I. 516.)

1. B. (*SnplicifoUae*) REGNKLLIANA Sonder, Linnaea XXII. 558. f — Ramis tereibus srialis glabris; foliis oppositis breviter peliolis, late obovalis subrotundisve, obtusis Inucronulatis integerrini>, glabris; paniculae puberulae ramis subcompressis, ullimis trilidis. ealyee campanulato, minule 5-dentato; corolla lalo infumlibuliformi bilabiata, extus puberula. — Aflms *li. /aʔ/ouii*. Clam., differt: foliis rotundaiis, basi subangustatus, paniculae ramis compressis, nunulis ullimis iriddis, calyee duplo longiore (3 lin. longo), corolla pollican vcl sesquij)ollicaii, iilus glubra. — Crescit iu Brasiliac provincia Minns Gernes.

t leones addendae.

- B. CAROLINAE Lindl. — Wlprs. Rept. VI. 510. no. 1. — Van Houtto, Florc des serres IV. lab. 330.
- B. XYLOCARPA Rxb. - DC. 1. c. 169. no. 168. — Wght. Icon, plant. Ind. or. IV. tab. 1335. 1336.

V. CAIOSASTHES *bin me.*

(DC. Prodr. IX. 177.)

1. *C. INDICA Blume. — DC. 1. c. no. 1.— Wght. Icon, plant. Ind. or. IV. tab. 1337. ft: 1338.

VI CUSPIDARIA DC.

(DC. Prodr. IX. 177.)

1. 'C. FASCICULATA Sondor, Linnaea XXII. 560. — *Arrabidea fasciculata* DC. I. c. 185. no. 14. — *Ihgnonia fasciculata* Velloz. Flor. Flumin. VI. lab. 25.

VIII. IiUIVBIA DC.

(DC. Prodr. IX. 180.)

1. L. OBLIQUA Sonder, Linnaea XXII. 561. f— Ramis tereibus glabris, ramulis junioribus peliolisque puberulis; foliis longe petiolatis bifoliolaiis, foliolis oblongis acutis,

basi cordati obliquis, utrinque pubescentibus, supra nilidis, subtua pallidioribus reticulato-venosi*; fioribus axiljanbus paucis; bracteis setaceis; calyce iruncato latere flsso; corolla elongato-infundibuliformi, extus albo-velulina, staminibus glabris; antheris barbaliis. — Frutex scandens. — Affinis *L. densiflorae* et *nitidulae*. — Crescit in Brasiliae provincia Minas GeraCs.

xx. AJiBurocAeiirinEirA Mart.

(DC. Prodr. IX. 199. — Wlprs. Repert. VI. 513.)

J. *A. NITIDUM Mart. — DC. I. c. 200. no. 6. — Lindl. ft Paxt. Flow. gard. I. 3. tab. 2.

XXII. SPATHODEA Palis. Beam.

(DC. Prodr. IX. 203. ft 563. — Wlprs. Repert. VI. 513.)

Folia *pinnata*.

1. »SP. CAMPANULATA Palis. Beauv. — DC. I. c. 208. no. 28. — Bnth. in Hook. Niger Flora 461. — *Sp. tiihpifera* G. Don. — DC. I. c. 207. no. 19.
2. SP. LUTE A Bnth. in Hooker, Niger Flora pag. 461. -j- — Arborescens: foliis oppofiliis ramfsque glabris vel vix pubcrulis, foliolis 9—11 oblongis acuminatis integerrimis vel obsolete deuliculatis; racemis terminalibus tomentosis subpaniculatis: corolla infundibuliformi incurva glabra, calyce duplo longiore; capsula longissima tenuissime ferrugineo-tomentella. — Crescit in Africa tropica occidentnli, in insula Fernando Po.
3. \$P. TOMENTOSA Bntb. 1. cit. 462. f — Foliis oppositis, foliolis 9—11 ovalis oblongisve acuminatis integerrimis, supra glabris, subtus ferrugineo-tomentosis; racemis terminalibus tomentosis; corolla glabra. — Crescit — lit videtur — in insula Fernando Po.
4. SP. JENISCHU Sonder in E. Otto, Allgem. deutsch. Grtnzlng. IV. 370. ft in Schlichtd. Bot. Zeit. VI. 792. f — Fruticosa glabra: foliis ternato-verticillalis imparipinnatis quadrijugis, foliolis ovalis, basi angustalis, apice longe cuspidatis serratis glabris, lateralibus subsossilibus, terminal! petiolato; panícula terminal! racemosa, ramulis abbreviatis; calyce spalhaceo coriaceo laevi, longitudinaliter flsso, apice acuto recto; corolla calyrem triplo superante, infundibuliformi, lubo basi coarctato, limbo bilabiato, labio superiore bifido, mferiore trifido, lobis obtusis submarginatis; ovario tetragono biloculari multiovulato, disco hypogyno cupuliformi immerso; stigmatē Wlamellato. — In Sierra Leone.
5. SP. ARCDATA Wght. Icon. pi. Ind. or. IV. tab. 1340. — Arborea: foliis imparipinnatis 4—5-jugis, foliolis ovatis subacutis ad formnm orbicularem transeun^bus, basi inaequalibus inlegris, junionbus molliter pubestentibus, demum glabris; racemis terminalibus elongaiis mulufioris; calyce cylindrico obliquo extus pubescente; oorollae tubo gracili, limbo infundibuliformi quinquat'Iobo, margine Jmbrialo; capsula arcuata compre&sa 8"—10-pollicari, pollicem ciiciter lata. — Habitat in India oriental! (Coimbatore district).
6. SP. FLAVIFLORA Miqu. Stirp. Surinamens. select. 124. f — Ramis teretiusculis; foliis oppositis breviter petiolatis, gemSnato- vel ternato -pinnatis, pinna rum foliolis trijugis cum impari, lateralibus oppositis breviter peiiolulatis ovato-ellipticis, breviter obtuse apiculatis, basi subinaequali obtusiusculis, praeter costam supra puberulam glabris, terminali majore longe petiolulalo; racemis axillaribus oppositifloris glabris; floribus, pedicellutis, basi bracteolis duabus oppositis obovaiis amplis integerrimis in- III.

siructis; calyce spaihnceo - flsso glabro; corollae intense flavae tubo subdighaliformi-
infundibuliformi, limbi subbilabiati lobis quinqua obovalo - rotundatis. — Crescit in
Surinam ad lluvium Marrowyne sup.

*' Folia .*simplicia*.

7. SP. MOLLIS Sonder, l*innaea XXII. 561. f — Fruticosa scandens: ramis junioribus,
peiolis pedunculisque villosis; foliis longe petiolatis oblongo - ovnlis acutis mucro-
natis, utrinque tenuissimo pubesceniibus, inferioribus conjugato-bifoliolatis, superiori-
bus cirriferis, cirro trifido; pedunculis axillaribus 1—3-floris; floribus glabris,
calyce spaihaceo latere flsso, apice obiuo; corollae infundibuliformis lobis duobus
majoribus. — *Sp. Coitae* DC. (*Hiynonia Coita*) simllliraa, differ! non solum hirsutte,
sed etiam peiolis petiolulisque duplo longioribus, pedunculis 1—3-Uoris longioribus
tenuioribusque. — Crescil in Brasiliae provincia Minas Gerafls.

f Icones addendae*

- SP. ADENOPHYLLA DC. I. c 206. no. 14. — Wght. Illustr. of Ind. hot. II. tab. 160. 161.
SP. LAEYIS Palis. Deauv. — DG. I. c. 206 no. 29. — Hook. Bot. Magaz. tab. 4537.
SP. RHEEOEI Wnll. — DC. I. c. 206. no. 13. — Wght. Icon, plant. Ind. or. IV. tab. 1339.
SP. SPECIOSA Drongn. — DC. I. c. 363. — Morren, Ann. de Ja soc. d'agricult. V. 213.
tab. 260.

XXIV. § TEREOSPEHMUH [*Cham.*

(DC. Prodr. IX. 210.)

1. ST. DENTATUM Acb. Richard, Tent. flor. Abyss. II. 58. f — Arboreum: foliis novel-
lis post florationem in apice ramulorum enatis, imparipinnatis, saepius quinquefoliatis,
foliolis lateralibus brevissime petiolulatis ellipticis acutis, basi rotundatis, margine
serratis, utrinque dense cinereo-pubentibus, infimis aliquando minoribus oblusis,
petiolo petiolulisque eglandulosis pubentibus; racemo terminali laxo, ramis oppositis;
calyce campanulato tomentoso 5-dentato; corollae amplae tubuloso-ringentis puben-
tis lobis inaequalibus obtusissimis subundulatis; capsula tereti gracili longissima,
pedali aut sesquipedali glabra biloculari, septo tereti crasso fungoso, utrinque foveo-
lis distantibus ad semina fovenda excavato; seminibus sulco profundo transverso
exarata, apice basique alntis. — *Bignonia discolor* R. Dr.? — Arbor mediae magni-
tudinis in regione superiore australi montis Selleuda prope Adoua in Abyssinia.
2. ST. INTEGRIFOLIUM Ach. Richard I. cit. p. 59. f — Arboreum: foliis novellis in apice
ramulorum npproximatis, post florntionem enatis, imparipinnatis, saepius 7-foliolatis;
foliolis ovali- oblongis aut ellipticis, coriaceis pallidis, superne glabriusculis, subtuf
cinereo - tomentosis, iibacuminatis aut obtusis, margine integris aut in parte superiore
vM dentato-obtusis, foliolo terminali longe petiolulato, petiolulis basi glandulosa
pannicula terminali ramosa, ramis oppositiis; calyce campanulato tomentoso 5-dentalO
corolla tubuloso-campanulata pubonte, limbo ringente, lobis oblusissimis, margin
flmbriato-denticulatis; capsula tereti gracili, apice acuta, glabra* 1—2-pedali bilocu-
lari, scplo crasso fungoso tereti foveato, foveolia subquadratis approximalis; semnibu
sulco profundo transverse scttis, apice basique in alam laiam oblongam desineDlibo4;
— Habitat in locis moniosis prope Aderbati in regno Ghire Abyssiniae.
3. ST. ARGLEZONA A. Rich. 1. cit. p. 59. f - Arboreum: ramulis glabris; foliis im arip
nais, foliolis 7 coriaceis elliptico-oblongis, acutis vel oblusis aut acumioalis, margin
integris aut obsolete vix dentatis, colore pallidis, basi obtusissimis, superue glahrjj
et glaucrs^ subtus (oculo armato) furfuraceo- et appresse tomentellis, lateralibus
petiolulatis, terminali longe peUolulato, petiolulo apice biglanduloso; panicula terminali

ramosa pyramidata; ramis purpureis pubentibus; calyce campanulato-tubuloso, 5-dentato pubenti; corolla . . . ; capsula . . . ? — Habitat in Abyssinia regno Tigre prope Maiegouagoua.

t Icones addendae.

ST. CHELONIOIDES DC. I. c. 210. no. 2. — Wgbi. Icon. pi. Ind. or. IV. lab. 1341.

ST. SUAVEOLENS DC. I. c. 211. no. 5. — Wgtat. 1. c. tab. 1342.

XXVII. TECOFIA Juss.

(DC. Prodr. IX. 215. — Wlprs. Repert. VI. 514, AnnaJ. !. 517.)

1. T. DENDROPHILA Blume, Rumphia IV. 35. f. tab. 190. — Scandens radicans: foliis trifoliatis, foliolis elliptico-oblongis acutis vel acuminatis, apice subserratis glabris; racemis axillaribus solitariis; tubo corollae calyce quinquefolio triplo longiore. — *Dendrophila trifoliata* et *Bignoma rhodosantha* Zipp. Horb. — Crescit in Nova Guinea.
2. T. CUSPIDATA Blume I. c. f. — Scandens: foliis trifoliatis, folioli* elliptico-oblongis integerrimis glabris. — Crescit in Moluccis.
3. T. AMBOINENSIS Blume I. c. f. — Scandens: foliis imparipinnatis, rarissime trifoliatis, foliolis paucijugis ellipticis acuminatis subrepandis, subtus puberulis; racemis lateralibus solitariis geminisve; tubo corollae calyce quinquefolio vix longiore. — Crescit in Amboina.
4. T. LEPTOPHYLLA Blume I. c. f. — Scandens: foliis imparipinnatis, foliolis 7—11-jugis sessilibus trapezoides grosse obtuseque serratis, margine scabridis; racemis axillaribus et terminalibus; tubo corollae calyce abbreviato crenulato multo longiore. — Crescit in Nova Guinea.
5. T. INSIGNIS Miqu. Stirp. Surinam, select. 123. — Truncus tri-quadripedalis, 4—6 poll., crassus, apice dichotomus. Rami albicantes, ramuli compressi, Innovationes fusco-lepidotae. Petioli semipedales, basi subtetragoni vel subhexagoni, versus apicem antice concavati scabri, minute squamuloso-punctati. Foliola, quinque, elliptico-oblonga, longe acute acuminata, basi leviter coarctata obtusa, membranacea integerrima, venis costalibus octonis ascendentibus. Petiolus folioli medii $V/10$ poll., adstantium 1 poll., extimorum $2V/2$ lin. longus. Foliolum medium $8/10$ poll. longum, 3 latum, adstantia parva minora, extima $4/10$ — $4/10$ longa, $1/10$ — $1V/10$ laeva. Inflorescentia *T. Meyeriana* DC., sed glabrior. Bractae parvae triangulato-lanceolatae. Calyx pollice paulo brevior, limbo bilobo vel irregulariter dentato, parce squamulosus, fere glaber. Corollae tubus $2/3$ poll. longus, basi ima contractus, gracilior et angustior quam in *T. Meyeriana* DC., limbi lobis intus puberulis, marginibus subciliatis, ad lantern punctulatis, venosis late rotundatis, tribus inferioribus paulo majoribus, duobus superioribus parumper minoribus altiusque connatis. Stamina ut in *T. Meyeriana*. Ovarium compresso-tetragonum, angulis 2 acutatis, glabriusculum. Stylus filiformis glaber, $1/10$ poll. longus, stigmatis lobis lanceolato-ellipticis. — *Couralia fluviotilis* Sphgrbr. Tijdschrift. voor natuurl. Geschieden. IX. no. 15. (excl. synonym.), — Habitat in Surinam.
6. T. EXIMIA Miqu. Linnæa XXII. 803. f. — Ramulis foliisque juvenilibus in costa subtus puberulis, citissime glabris; foliis digitato-quinatis, foliolis longe petiolulatis lanceolato-oblongis, acute acuminatis, basi obtusis serratis, venis costalibus fortioribus 10-nis vel 15-nis horizontalibus; calyce obconico-campanulato subbilabiatim 5-denticulato, 5-angulato cum pedicello pilis stellatis ochraceo-hirtello; corollae bipolycaricæ extus glabrae lobis ovatis ciliatis. — Habitat in Brasiliæ prov. Bahiensis.

7. *T. UMBELLATA* Sonder, *Linnaea* XXII. 562. + — Ramulis jünLoribus petiolisque pilis stellatis puberulis; foliis digitalis, foliolis septem, iniermedio longius petiolulato, lanceolatis vel oblongo-lanceolatis acutis, basi angustatis iniegrrimis glabris, supra lucidis; petiolis supra canaliculatis; floribus terminalibus umbellato-congestis; calyce bilabiulo-quinquedentato, pilis siellatis tomentoso; corolla late infundibuliformi, extus ghibra. — Florens foliis orbatu. Glabritie et foliorum forma a *T. ochracea* diversa. — Crescit in Brasiliae provincia Minas Geraes.

XXXII. *CHIIOPSIS* *D. Don.*

(DC. Prodr. IX. 227.)

1. * *CH. GLUTINOSA* Engelm. Sktch. of the bot. of Wislic. exped. 10. adn. ~ Species indescripta. — In Mexico boreali.

XXXIII. *PAJAHU3JD.IA* *DC.*

(DC. Prodr. IX. 227.)

1. *P. RHEEDEI* Wght. Icon. pi. Ind. or. (V. lab. 1343. 1344. — Arborea: foliis imparipinnatis, {foliolis inaequilateris acuminatis; calyce campanulato quinquelobo, lobis apice emarginalis; corolla campanulata subbilabiala quinqueloba (³/j), lobis dilatalis margineque exteriori crispis, ad angulos Jinea dense lanato-tomentosa instrua, lubo oxtus glabro, limbo pubescente; siaminibus longioribus conniventibus; capsula 12—15-pollicarii alaia cuspidata; sominibus orbicularibus compressis alatis. — Habitat in India oricuali (m Malabar).)

XXXIV. *JACHVL.im}J%>* *Juss.*

(DC. Prodr. IX. 228.)

1. *J. INTERMEDIA* Sonder, *Linnaea* XXII. 563. f — Foliis impari-bipinnatis sub-5-jugis, pinnis 6—10-jugis cum impari, foliolis sessilibus ovalis cuspidato-ncuminalis, basi oblusis inuequilaturis integerrimis, ulrinque pubescenli-scabris, nervis subtus, unde promineiiubus rufescentibus; pcliolo alato-caniculato; panícula terminali pyramidata puberula, ramis compressis; calyce minute quinquedentato; corolla tubuloso - infundibuliformi; stylo glabro. — Arbor ab incolis „Caroba" dicta. — Crescit in tfrasilina provincia Minas Geratis.

XXXVUL. *A B O Y I I A* *D. Don.*

(DC. Prodr. IX. 235.)

1. *A. HULBOBRIANA* Clos in Gay, *Historia de Chile* IV. p. 411. f — Subpuberula: caule ascendenie flexuoso subsimplici; foliis fere radicalibus 6—8 - foliolatis, foliolis bipartitis, lobis ovato - obiusis; calycis lobis linearibus acutis; corolla calyce quintuplo longiore glabriuscula. — Crescit in Chile in monibus provinciae Coquimbo.

Subtribus IV. *ECCREMOCARPEAE* End!. — DC. 1. c. 238.

?XLfla. *HOHTTTC2A* *Clos.*

(Clos in Gay, *Historia de Chile* IV. p. 416. tab. 51.)

Calyx tubuloso - campanulatus quinquedentatus, dentibus paulo inaequalibus. Corolla late tubulosa quinqueloba, lobis subaequalibus.



Stamina quatuor didynama, corollae basi inserta. Ovajrium biloculare. Stylus exsertus. Stigma breve papillosum/ Capsula ovata, abortu unilocularis monosperma.

- 1* M. CHILENSIS Glos. I. c. p. 417. f tab. 51. — Glaberrima: foliis opposiis ovaiis acuminis integemmis subcrassis, breviter petiolatis; floribus jn axilla foliorum solitariis violnceis; calycis dentibus ovato-lanceolalis, eitus subrubescens; corolla laleiubulosa, e&tiis omnino intusque a fauce ad apjcem brevi puberula. — Crescit in Chilensi provincia Coquimbo.

? **KLIP.** **REYESIA** Clos.

(Clos in Gay, Historia de Chile IV. p. 418. tab. 52.)

Calyx campanulatus quinquepartitus. Corolla infundibuliformis, limbo quinquelobo inaequali. Stamina quatuor didynama. Antheris divaricatis. Stylus apice spathulato-dilatatus. Stigma subumlobum. Capsula ovata coriacea quadridentata bilocularis, dissepimento parattelo. Semina 30—40 aptera.

1. R. CHILENSIS Clos 1. c. p. 419. f lab. 52. — Caulibus diffusis ramosissiaris dichotomys; foliis minimis lmeaibus aculeatis internis caducis; floribus longe pedunculatis; calyce pilis glandulosis vestito, segmentis violaceis subreflexis; capsula ovoidea coriacea quadridentata; semina plurima. — Crescit in provincia Chilensi Copiapo.

L. **SCHXKGIHLIA** Miqu.

(DC. Prodr. IX. 564.)

1. SCHL. ELONGATA Miqu., Linnaea XXII. 73. & Stirp. Surin. select. 118. f tab. 36. — Foliis oblongis vel lanceolalo-oblongis acuiis, basi obtusiusculis vel acutis marginibus revolutis corkiceis, utnque pracerum supra niidis venisque prominulis ante margines arcuatim confluentibus; rncemis compositis praeter bracteas minutas ovatas concavas pubescens glabris. — Crescit in Surinam in caudicibus *Palmarum* prope planlat. Quarla.

Tribus II. **CRESCENTIEAE** DC. 1. c. 240.

Subtribus II. **EUCRESCENTIEAE** (DC. 1. c. 245).

(DC. Prodr. IX. 247. — Wlprs. Repert. VI. 517.)

1. 'K. AFRICANA Bnlh. in Hook Niger Flora 463. — *Dignoma Africana* Lam. — DC. Prodr. IX. 166. no. 145.
2. K. ABYSSINCIA A. Rich. Tent. fl. Abyss. II. 60. f tab. 75. — Arbor procera: foliis in apice ramulorum breviuna npproximatis oppoaitis impnpinnatis, saepius 7-foliolatis, foliolis glaberrimis coriaceis, figure variis, saepius obovali-obtusis basi obtusis am subattenuatis, subtus pinnaio-nervosis, ncrvis reticulntis, margine iniegris, lateralibus breviter petiolulais, supremo longe petiolulato; floribu^s...; fructibus ffbropo-carnosis coriaceis terotibus, margine bine et illinc parum prominulis, 12—18 uncias longis, diametro bipollicari; seminibus numerosissimis in pulpa nidulantibus. -?• Habitat in sylvis humidis et demissis convallis flpvii Mareb in Abyssinia. -

Ordo CL. SESAMEAE DC.

(DC. Prodr. IX. 249. & 564. — Wlpts. Reprt. VI. 518, Annal. I. 517.)

Tribus I. *EUSESAMEAE* DC. 1. c.

I. *SESAMUHI* Linn.

(DC. Prodr. IX. 249.)

1. *S. INDICUM Linn. — DC. 1. c. 250. no.1. — Wghl. Ilhistr. or Ind. bot. II. tab. 163. — Bnth. in Hook. Niger Flora 463. — *Anthadenia sesamoides* Van Houtte. — Wlprs. Reprt. VI. 518. no. 1.
2. S. PROSTRATUM Retz. - Wghl. Icon. pi. Ind. or. IV. tab. 1346. - Foliis orbiculatis crenatis, supra hispidis, infra niveo-tomentosis; floribus solitariis pedunculatis; caule diffuse — Habitat in India orientali, in arenosis circa Madras.

t **Icon addenda***

- S. LACINIATUM Klein. — DC. I. c. no. 2. — Wght. Icon, plant. Ind. orient. IV. tab. 1345.

Tribus II. *PEDALINEAE* R. Br. — DC. 1. c. 253.

VI. *MARTYLIRIA* Linn,

(DC. Prodr. IX. 253. ft 564. — Wlprs. Report. VI. 518, Annal. I. 517.)

1. M. ARENARIA Engelm. Sktch. of the bot. of Wislic. exped. 16. adn. — Annua glanduloso¹-pilosa: foliis alternis longo petiolatis cordatis, 3—5—7-lobatis, lobis rotundatis repando-denticulatis; bracteis lanceolatis clycem obliquum, infra flssum dimidium aequantibus; staminibus 4; rostro pericarpium aequante. — Habitat in Nova Mexico.
- 2; M. VIOLACEA Engelm. I. c. 17. adn. — Annua: foliis alternis cordatis repando-sinuatis, acute denticulatis glabrusculis; bracteis lanceolatis calyce obliquo, infra usque ad basin flsso dimidio brevioribus; staminibus 4; rostro pericarpium superante;— Habitat in Nova Mexico ad lacum Encinillas.

XI. *PEDATJURIA* Royen.

(DC. Prodr. IX. 256.)

- i. * P. MUREX Linn. — DC. I. c. no. 1. — Wght. Icon. pi. Ind. or. IV. tab. 1615.

Ordo CLL CYRTANDRACEAE *w. Jack.*

(DC. Prodr. IX. 258. ft 564. — Wlprs. Report. VI. 520. ft 743, Annal. I. 517.)

Tribus I. *DIDYMOCARPEAE* Don. — DC. 1. c. 259.

Subtribus II. *AESCHYNANTHEAE* DC. 1. c. 260.

III. *AESHYHTAHrrinJS* *W. Jack.*

(DC. Prodr. IX. 260. — Wlprs. Reper. VI. 520. ft 743, Annal. 518.)

1. AE. *CHINENSIS* Gard. ft Champ. In Hook. Kew gard. misc. I. 328. + — Foliis lanceolatis vel hinceolaio - oblongis, utrinque acumuatis iniegerrimis glabris pennioerviis; pedunculis axillaribus el lerminalibus, apice irifloris bibracteais, bracteis subrotundis oblu8is pedicello brevioribus; calycis subrotati 5 - parliti glubri I obis oblongis obtusis, demum reflex is; corollae lubuloso-subcampanulaiae quinquefldae subbilabiatae glabrae lobis obtusissimis; stamiuibus .exsertis, fllamentis pilosis. — Suffrutex scandens glatterrimus. Folia 2^{1/*} — 9 poll, longa, 6—41 lin. lata. Pedunculi teretes, 1 —1^{1/*} poll, longi. Bractee 3 — 4^{3/a} lin. latae glubrae. Pedicelli 3^{1/»}Mn. longi. Calyx vix 2 lin. longus glaber valde redexus. Corolla rubra (?) 9 lin. longa. Stylus flliformis crassus, stigma integrum dejressio - concavum. Capsula 6 poll, longa. — Crescit ad Hong-Kong in China.
2. AE. *TEYSMANIANUS* Miqu. in Schlichtd. Dot. Zeig. VI. 509. f — Caulibus pubescemiffus; foliis ellipiico - vel roiundnlo - ovalis aculis ipsoque apice obtusiusculis, inde a medio obsolelissime fuscule deniiculalis, subtus puberulis, venis immersis; flore terminali vel axillari; pedunculo bibraitenlo; calyce cylindraceo - quinquangulari qufnquedentato pubescenli et sursum airo - fusco; corolla eo ter longiore, extus coccinea curvata, pilis capitellais puborula; fllamenlis breviler exsertis; ovario pubescente; stigmatē pehato. — Quibus notis *Ae. Jauanicus* Hook. Bot. Mag. tab. 4503. ft Van Houtte, Flore des serres VI. 65. lab. 558. diflerot, nescio. (Wlprs. nuts.).— Crescit in Javae insulae regionibus montanis supra arborum truncos radicans.
- V AE. *ZEYLANICUS* Gardn. in MClellands Calcutta journ. of nat. hist. VI. 474. f— **Wght.** Icon. pi. Ind. or. tab. 1347.— Foliis lanceolalis, basi aoutis, apice obtuse acuminatis, nervis lateralibus paucis obliquis; umbellis 2—3-florw; pedlcellls calyci subaequalibus glabris; calyce quinquepanito glabro, lobis linearibus; corollae extus glanduloso-pubescentis, calyce quadruplet majoris lobis rolundatis ciliatis maculatis; staminibus exsertis, fllamentis puberulis; seminibus utrinque pilo unico. — In Zeylania insula.
4. AE. *PAXTONI* Lindl. Journ. of the hortic. soc. IV. 79. adn. (c. ic.) — Foliis coriaceis oblongo-lanceolatis acuminalis petiolatis convexis, subtus punctatis; bracteis membranaceis oblongis subrhombeis concavis pe«dicellis longioribus;" sepalis 5 oblongis obtu•lssimis; corollae limbo piano, labio superiore emarginato laterolibusque truncatis.— Habitat . . . ?

f **Icone* addendae.**

- AE. *LONGIFLORUS* Blume. — DC. I. c 262. no. 11. — Paxton, Mag. of bot. XV. 25. c. Ic.
 AE. *MINIATUS* Lindl. — Wlprs. Reperl. VI. 521. no. 3. — Paxt. 1 c. XVI. 65. c. ic.
 AE. *PULCHER* Steudel. — Wlprs. I. C no. 2. ft p. 743. — Paxt. 1. c. 161. c. ic.

IV. *ACTAIKIYIA* Blume.

(DC. Prodr. IX. 264. — Wlprs. Reperl. VI. 521.)

1. 'A. STAMINEA Blume. — DC. I. c. no. 1. — Wlprs. 1. c. no. 1. — Pniion, Mag. of bol. XV. 73. c. ic. — Van Houue, Flore des serres IV. lab. 358. — Morren, Ann. de la soc. d'agric. do Gund IV. 255. tab. 206.

Subtribus IV. *EUDWYMOCAHPEAE* DC.]< c. 264.?Va. *CHAJttMOfIA* Gardn.

(Gardn. in M'Ciellands Culcuttu journ. of nat. hisi. VI. 485.)

Calyx quinquepartitus, lobis **lineari-suluilnlis** aequalibus. Corolla hypopyna rolala, tubo brevissimo, limbo proiunde quadripartito, lobis oblonfio-lancccolatis aequalibus, calyce longioribus. Slamina qualuor aequulia; filamenla erecla cornpiaiala. Antherae ovato-oblongae adrialae liberae biloculares, lonpiludinalitci- dehiscentes. Glandula hypogyna nulla. Ovarium oblon^o-coniciini uniloculare, placentis 2, parietalibus. Stylus filiformis. Slijm.i capilalum. Capsula obionga, calyce persistente iongior, miiloculais. valvis 2, mcchio placenlifehs. Semina plurima parva nuda ovala compressa pundula, testa reticubLa. — Suf-frulex Zeylanicus: caulibus simplicibus, supcrnc villosotomenlosis; foliis oppositis, vix dispaiibus, petiolntis, ol>longis, basi cuneaLis, pennivoniis rdticulatis iito^errimis, supra demuni ^labriusculis, infra pallidis, pubescenti-tomenlosis; pedunculis axillaribus folio brevioribus trichoimomis; calycibiis pilosis, lobis slrialis; corollis glabris albis.

1. • CIL. RETICULATA Gardn. 1. c. — Habitat in Zcjlania.

VI. *UIJUYMOCAlftPUS* Wall.

(D(i. Prodr. IX. 264.)

1. D. LONGKPETIOLATA Gardn. in M'Ciellands Culcutta journ. of nat. hist. VI. 475. f - Toinontosn: caule prostrnlo radicante; foliis alternis longe petiolalis orhiculato-ovatis, basi cordatis olxusis crenntis; pedunculis uxillanbus folia vix acquantibus 2—3-trichotomis paucifloris pilosis; calycis quinquepartiti lobis linearibus obtusis deciduis. — Crescil in insula Ceylon.
2. D. HUMBOLDTIANA Gardn. 1. c. 477. f— Tomentosa acaulis: foliis radicalibus petiolotis ovato-elliipiicis, basi obtusis vel subcordalis, apice obtuaissimis cronatis, supra piloso-tomentosis, subius Innu^moso-tomentosis; sqapis folio longioribus trichoimomis; bracteis oblongis obtusis tonicnlosis; lobis calycinis villosis linearibus obtusis persientibus; capsulis pollicanbus siliquosis, apice attenuatis. — Habitat in insula Coy-Jon, elevationo 4—5000 ped.
3. D. PRIMULAEFOLIA Gardn. 1. c. 478. f — Piloso - tomentosa acaulls: foliis radicalibus petiolatis, peilolis alatis, ovato-elliipiicis vol suborbicularis, basi acutia, apice obtusissimis orenaiU, utrinque piloso - tomentosis; scapis racemosis vel ~~su b. d. h. b. m. s.~~

- pauciflons, folio longionbus, biactei* parvis, pedicellis glanduloao-pilosis, lobis calycinis pilosis lineanbus obiusis deculuis, capsulis 9-lincaiibus siliquosis, apice attenuatis — In 7cjlania insula
- 4 D TOMKNTOSA Wght Icon pi Ind or IV fib U49 — Folsn obovato-spathulatis duplicuo-ucnatis rciiculatis supra soidido albido-tomentosis, infra dense ferrugineo-tomemosis \el Innaiis, scapis ereclis dichotomis, c^mosis mulufions, suprn pilosis, ciljcis quinquefdi lobis lineabus obtusis glanduloso-pilosis, corolla subcampanulata quinquoflda, lobis suborbiculanbus, slamintbus fcrulibus tubo brevionbus, ovnuo calxcm subaequante, stignrue dilnt.uo, capsula cjlmndca circitor scsquipollicQri acuta pilosa, umlatciahter dehiscente — Flores cociulestenu -purpurei — In India onentali (locis iilpims)
- 5 D LYRATA Wght 1 c lab UJO — ALJUIS folsn mngms lyratis Lrenulntis, utrmque pubescen'i-pilosis, pracsciuin ad venas, scapis cioctis quam folia hrrvioubus dichotomis rnnns rncemosis hirsute cnlvicis quinquepaitiu lacmns lanceolatis acutis pilosis, corolla tubulosa curv.ua infra subventiitosa, ocqualilor quincucloba , capsula tcreu vel compressiuscula 8—10 lm longa pilosa, umlateralilor dehiscentle — In India onentali (Couilallum)
- b D OVAUFOMA Wght 1 c tab 1351 — Folsn pctiohiis ovalibus, utnnque obtusis, crenao-scirails penmnoiviib, uiiin<lue pilosulis, ^ubtus in venis densius pilots, s^apis fol'a ^ubaequaiuibs umbollato-3—6-llons villosis, calyc« deciduo 5-pariito, lobis lancrolntis pilosis, corolla tubulosa, mfa venliicosa, dd faucem contracta, stigmatc parum dilalalo , capsula longa grjcili unilatcraliter dehiscente — Habitat in India ouentali (Courmllum)
- 7 D GIUFFITIHI Wght Illusti of Ind bot II 182. tab 159 — Hcrhaceus eiectus caule tcli.igono quodrisiio, angulis obtuse, supia piloso folsn (poliolalis) ovotis acuminalis cienato*scrralis, ulrmque pilosis, pedunculis axillanbus poiolo longionbus cy-mosO-5 — 7-flons, flouhus lonp^e pedicclatis, calycc profunde quinquepartito, segmentis lancrol.iUs, coiolla tubulosa quinqueloba, slaminius didynamis, quinto rudimon-ttno vel intcidum deflcicnic, stigmatc bilubo — Folia cum peliolo 4—b-pollicnnn, ad basin l'i poll lala, cjmae ad basin ramificationum folsn duobus opposilis lanccolatis instiuctac, corollae tubu^ pilosus — In India onentali

t **Icon addenda***

D ROTTLKRIANA Wall — DC 1 c 268 no 24 — Wght 1 c tab 1348

VI° **JERDOIVIA** Wght.

(Wght Icon plant Ind or IV tab 1352)

Calyx quinquepaititus, lobis anguslc lanceolahs. Corolla subinfunch-buhformis quadnloba, lobo posteuoie majon emargmato. Stamina 4v omnia fertiha, filamentib dilatahs, anteiionbus duobus lationbus, denle lato descendonte Instiuctis Antherae biloculares apice cohaerentes supra sligma discum calypralum effiucntes, locuhs divancalis. Ovarium ad basin disco cupulifoimi tinclum umloculare, placentis quatcims panetalibus, per pana appioximatis; ovula fumculo gracili liliformi suspensa Stylus brevis. Sligma dilatatum pcllatum sub anlbe-eiaium calyptra lecondilum. Capsula . . . ? — Herba parva acaulis: loins petiolatis ovalibus, utnnque obtusis v. basi subcoidatis, junionbus undique pilosis, senioribus ad venas margmesque tantummodo pihs longis rubicundis vestitis, scapis erectis lilifoinnbus quam folia longiori-

bus, pedicellis brevibus subumbellatis, biacteis subulatis pilosis involucentis. — Ciliis pilis moniliformibus ciliatis, lacunae angustae lanccolae v. subulatae. Inflorescentia (a) apice mucosa, basi dilatata, antecorollae pubescentia

1. J. HINDICA Wight 1 c — In India orientali (>>cilgheue:>)

VII. CHIRITA Ham ill.

(DC Piodi 1\ 268 — Wlpiis Repeit VI 522 flt 743, Annal I 518)

1. (II MOOMI Cmilm m M (Ulliuik (ihinu join n ol nai hisi M 47^ + — Hook Hot Müff lab 400 f — \<> llouili, HOM <les stii(s Lib 407 408 — Pixt Mag of boi MI 3J (K — (iulf suffi utico^o minoso, iamio teictibus villosolomentosis, foln> quiuinit >etJo III> oblorigo-lanccol Hi**, basi aculis, apice acuti6 \cl subicumuis minule gl untuloso - denims, supia MIO&O - loineniOMs, uTi i adpiebse sonceovill050 - tomentos's, |xdictli^ <i\ill nibus sulilurns, p< tiolo tluplo longiuubut, lobis c ilycini«s Imenu - lanu'olulus, Jonp^c nt uniin H*» Ciunoli's, coiollid inagna euus pubesccntie — *Muiyria lantuhitu* Moon, Cat Gi yl pi 45 — In ui^ula Zcjlou
2. CII WALKIJU Gudn 1 c *80 f — (Wlpiis, Annal I 518 no 1) — Caule suffituti<oso minoso, minis leietibus \illosolomenlosis, fulns teinnlnn vciicillatis peliolalis oltlon^o-lonccolaiia, bitsi acutis, apicc acuminniis, mmuio glanduloso-dentatis, utnquo toiiiciio^is, pedunculis axillanbus solilams giacilibus, folio bicvioubus, 3—4-flois, lohjM L.iKniis lineali .liinccoldis, neumnaliis tonieniosis toiolla extus pubciula — In msuli /cvlnnia habitat
- J. CII COMMUMS (viii In 1 c 481 -j — Liule suniuucoao lamoso rainis tcielibus ad>lob>c pilosis, lulus oppoMtii pctiol ill^ ovili> bibi loiundatib vfl subcoidatis, apicc aculis \el bubacuminaiis, inlcgns, supia adpiesse pilosis peduntulis nxillaubus soliluis lolio subacqualibii5 ti iclioioniib , lobi>> calycims oblongo - lanceolntis acuminatis glabciiiu-*, coiolln glabcMuma — Ab line 6/t /eylunua Hook (VVJpis Itepert VI 522 no 2) non dillcie videlui — Habitat in insula /tylanin
4. CII SIINLNMS Lmdl \n^ in Hook Ktw gmd mi^c I 141 adn — (Wlpiis Kepert. VI 522 no 1 a Anna! I 518) — Folla omnibus ladiLahbus elliptic^, macquahter stiaais, >ublt> pallidis in pciolom folio 2—4-plo bievionin attenuatis, scapis 3—5-llo>>, biaclois o\alis conuati^ pedicellob bubiequanlibiis, tdljcia quinqutpailiti lobis o\ato-lanccolalis coiolla multo bie\ioutjus — Ileiba sumptdalis passim villosolubosLens (orolh polhcdii-s coeiultscens, intus Inieis matulisque flavo-auranliacis noiala — Crobit ad insulae Hongkong Smaium lupes bumida& umbioj>ai> rrpasque toirciHum stmpci madidas

Subtnbus VI. *LOXOMEAE* DC. 1. c. 274.

XIV. KHYNCHOGIOSSUftl Blume.

(DC Piodr IX 274 — Wlpiis Repeit M 522)

1. RH SCABRLM Dalzell in Hook Row gaid misc. II UO -f — Caule teieti herbaceo scabro foliis oblique ovan*. atutis mtpgife pennerviib aliemis. peliolalis, pagina supenoie nevij>que subtu^ ^cabndis, flonbiib in lactmuin Ionium leimnalem di^posilis betundis, aliornis nulanlibuj, pediu'llis biaclea flitioimi obiusa bipvionbiii,, corollae labio infeiore subirUcgio, apicc tngulalai aculiusculo, lubo duplo longiore — Folia 4 pol.l longa, lb Un laia — IUbua in Indiae oi icntalii* dibliiclu Concano austa ala

VII. *KiiuOIA* Schlcht.

(DC Prodr IX 275)

- 1 KL GLABRA Gnidn in M Clellands Calcutta jomn of nat hi<t VI 489 + — Glaber-
rima cal\ce quinquin^uhn, ang-ulo supeuon bisi nlie alaio-cuslato cacclus evala-
tis — In /cjlania insulj

t **Icon addenda.**

KL NOTONIANA DC I c 2?b uo Z — Wf<ht Icon i>l Itid or IV lub 1353

Subtubus VIII. *EPITHEMEAE* DC. 1 c. 278.Xf. ^UIIVTIIIiA *Endl.*

(DC Piodr IX 278)

- 1 *QU COERULFA Endl in DC 1 c no \ — *Anomoi hogmia Miqueln* Meisn Gen pi
II p ^12 — Blume, Rumphia IV 33 f tab ^9

XVIII. *EPITHEHA* Blume

(DC Piodi IX 278 a 564)

- 1 E /E\IAMCA Gardn in M (lellands Calcutta journ of nat hist VI 4*2 f— Wght
Icon pi Ind or IV lib 1354 — Ton piloso-hispida folns Infenonbus opposius vtl
abortu soluauis, petiolalis hit ovalis cordatis, duplitate-serralo-denialis, suptonbus
oppoMlis ses^ilibus, pedunculi>> tuniilinlihus 1—3 elongalis, ajuce spicalis spicis den-
sib secundis cirtinnatis basi bracclalia, hracteis cordalib cucullatis obtusis dcniaus —
In /eylania

*Didymocarpae dubiae.*XIV. *ISAIV THERA A', ab E.*

(DC Prodr IX 279 — Wlpis Report III 124)

- 1 I FLORIBUNDA Gardn in M Clellands Calcutta journ of nat hist VI 483 + — Suf-
fruticosd vix lamosd luto-tomenlosa foliis alternis petiolaiis o\ali-oblongis, basi cu-
ncalis acummalis senatis supra demum glabuu*culis, pedunculis axillaubus> cymosis
mullidous — Habiat in /tjlnnia
- 2 "I PERMOLLIS N nb C — DC 1 c 280 no 1 — Wlpis 1 c — Wght Icon pi
Ind oi IV tab 1355 — *Cyitandra flonbunda* R Ri mss in Wall Catal — *hanthera
floibunda* Gardn V* — Java

Ordo GUI. HYDROPHYLLACEAE *Aiph.* DC.

(Alph. DC. Prodr. IX. 287. a 564. - Wlprs. Report. VI. 524. ft 743, Annal. I. 518.)

II. aTEAEOPHILA *Nutt.*

(Alph. DC. Prodr. IX. 289. — Wlprs. Repert. VI. 524.)

Sect. I. *LEPIDOPHORA* Fisch. & Mey. Sert. Petropolit. I. tab. 6. adn. — Corollae tubus ad staminum originem squamulis densis apice liberis instructus.

1. • N. PHACELIODES *Nutt.* — Alph. DC. I. c. 291. no. 5.
2. * N. MICROCALYX *Fisch. & Mey.* I. c. f — *Ellisia microcalyx* *Hook.* — Alph. DC. I. c. 292. no. 5.
3. ' N. PARVIFLORA *Bnth.* — Alph. DC. I. c. 290. no. 1.
4. ' N. INSIGNIS *Bnih.* — Alph. DC. I. c. 290. no. 3. — Wlprs. Repert. VI. 524. no. 2.
5. N. MACULATA *Bnth.* mss. ex *Lindl.* Journ. of the hort. soc. III. 320. adn. ft 321. (c. ic.) — *Van Houtte*, Flore des serres V. tab. 431. — *Paxton*, Mag. of bot. XVI. 6. (c. ic.) — *Morren*, Annal. de la soc. d'agric. de Gand V. 127. tab. 247. — *Patentim pilosa*: foliis radicalibus pinnatifidis lyratis, inciniis brevibus obtusis subfalcatis 2—3-1 obis integrisque, supremis cunealis trilobis; pedunculis unifloris foliis longioribus; calycis sinubus reflexis; corolla calyce multo longiore, appendicibus crenulatis convolulis; ovulis plurimis. — Habitat in California.

Sect. II. *PTEROGRAMME* *Fisch. & Mey.* I. c. — Corollae tubus inter stamina lineis decem membranaceo-alatis notatus, alis per totam longitudinem adnatis.

6. #N. AURITA *Lindl.* — Alph. DC. I. c. 290. no. 4.
7. N. HETEROPHYLLA *Fisch. & Mey.* I. c. tab. 6. f adn. — *Pilis setulisque* rectis adpersa: foliis superioribus sparsis dentato-lobatis, inferioribus oppositis subpectinato-sectis, segmentis petiolulatis rotundatis sinuato-lobatis, superioribus basi confluentibus; corolla subpelviformi, lineis inter stamina membranaceo-alatis glabris; seminibus corrugato-verrucosis, arillo calyptraeformi. — Habitat in Nova California.

Sect. III. *TRICHOGRAMME* *Fisch. & Mey.* I. c. — Corollae tubus inter stamina lineis decem hirtis notatus.

6. ' N. ATOMARIA *Fisch. & Mey.* — Alph. DC. I. c. 290. no. 2. — Wlprs. Repert. VI. 524. no. 1.
9. N. LINIFLORA *Fisch. & Mey.* I. c. tab. 5. — *Pilis setulisque* rectis adpersa: foliis oppositis profunde pinnatifidis, lobis oblongis subfalcatis, plerumque acutis ft subdentatis; corolla pelviformi, lineis inter stamina hirtis; seminibus ovatis corrugato-verrucosis squamulosis, arillo calyptraeformi. — Habitat in California.

V. ECJTOCA *R. Br.*

(Alph. DC. Prodr. IX. 293. — Wlprs. Repert. VI. 524.)

- 1, EU. STRICTIFLORA Engelm. Boston journ. V. 253. — Cinereo-hirsuta: caulibus plurimis simplicibus e radice annua adscendentiibus; foliis pinnatifidis lanceolato - oblongis (seu primordialibus integris obovatis), inferioribus in petiolum attenuatis, lobis brevibus obtusis, superioribus sessilibus, lobis lanceolatis acutiusculis; racemis terminalibus multifloris elongatis arete secundis, fructiferis strictis; calycis laciniis spatulato-linearibus, fructiferis erectis auctis, pedicello appi esso parum longioribus; corolla late campanulata calyce sesquialongiori, tubo obscure 10-squamigero; filamentis pilosiusculis inclusis; ovario 14—20-ovulato; capsula plerumque 12-sperma. — Habitat in republica Texensi.
2. EU. PATULIFLORA Engelm. 1. c. — Pubescens, subcinerea: caulibus e radice annua diffusis ramosis; foliis spatulato - oblongis obovatisve membranaceis pinnatifido - dentatis vel incisis, basi angustatis sessilibus vel inflmis petiolatis, dentibus subovatis obtusis; racemis terminalibus simplicibus secundis; calycis laciniis oblongis, fructiferis subspatulatis patulis, pedicello filiformi patente seu reflexo multum brevioribus; corolla late campanulata calycem parum excedenti, tubo obscure 10-squamigero; filamentis pilosiusculis inclusis; ovario 14—16-ovulato; capsula circiter 12-sperma. — In » republica Texensi.

Ordo CLIII. POLEMONIACEAE *vmt.*

(Bnth. in DC. Prodr. IX. 202. & 565. — Wlprs. Repert. VI. 526, Annal. I. 519.)

I. PHLOX *Linn.*

(Bnth. in DC. Prodr. IX. 303. ft 565. — Wlprs. Repert. VI. 826.)

1. PHL. DIFFUSA Bnth. Plant. Hnrtw. 325. no. 1859. — Ramosissima diffusa pubescens: foliis lineari-subulatis rigidulis subfasciculatis, inferioribus marcescentibus; floribus subsessilibus; calycis laxo pilosi laciniis rigidis tubo suo acuilongis; corollae tubo laciniis calycinis vix superante, laciniis obovatis-orbiculatis integris.— Affinis *Phi. Douglasii*, sed habitus laxior, folia longiora minus conferta, calycis lacinae ratione tubi multo majores, flores paulo majores. laciniis latioribus. Corolla purpureo-coerulea. Ovarii loculi uniovulati. — Crescit in locis siccis saxosis Californiae prope Bear Valley in montibus Sacramento.
2. PHL. ROEMERIANA Scheele, Linnaea XXI. 752. f.— Caulis herbaceus teretis erectus, retrorsum hispidulo-pubescens ramosus. Folia radicalia et caulina inferiora petiolata oblongo - spatulata acuta glabrata, petioli et basis foliorum ciliati, superiora sessilia lineari- vel oblongo - lanceolata acuminata vel cuspidate, basi angustata ciliata, apice nuda, nervo subtus sparse puberula, caeterum glabra. Flores apice ramorum solitarii, pedunculi erecti pubescentes calycem plerumque superantes. Calyx pyramidato - cam-

panulatus quinquelobus hirsutus, lacimne foliaceae lincnie-, immrginntoc selaceo-acumntac ipico midie, basi saepius angu&tatae, corollao tubo longioies, limbo brçiores Coiolla lilacin i bjj)ociotonmorphd, lubus olonguus limbum aequans, lirnbi laoiniac obovatdc intcgiau dbiupto atummatie vtl subliimcniao Siamina intlusd (ubo inseita O\ainun sessile ovato-oblongum inlocuhic, lotulis umovulilis Capsula *> — In n public i Texensi habitat

t Icon addenda.

PH UUSTATA Micbx — 'linih m DC I c 311 no 5 — Ton Floi of New York II 525 I ib 80

III 1V%VARRETIA Itz y Pav

(Dntb in DC Piodi IX 309)

- 1 N LEUCOCOPHALA Bntb Plant Hanw 324 no 1843 — Frecta, superne lamosa caule sublnnato, folns g'lbns semel vel bis pinntiteclia, segmrntis subulalis neutissimis, folioiim fliipriorum nnnliumque spmescendbus, caljcis tubo b\almo-membranacco, apico lanaio, humi* inttgnis spmosis, coiollae tubo enheem supeiante, stamini'' bus cxseit, ovarn loculis hiovulaiis — Afflnis A *cotulnofohae* Caulis apice lana tenui gostypina nec pulu bie\i v< stilus, copitula majora flonbus albis, cahcis consistenun valde dnciaa, corollac magis exsortao — Crescil in Cahiforniae vallr Sacci Jintnlo
- 2 N VISCIDULA Hnth 1 c no \Ht4 — Nuna oicctn vel diffuse mmoso, viscido - pubesceni foliis caulimi angusiissimis icniote piNintilldji*, floralibus naidis pinnaifldo'donlatis bnclciMjuc spun sci nlihu^, (aljcis \isnduli lacinus incisis subspinosis, coiollac tubo longe c\snto, stamimbus (\scilis, ovarji loculib uniovulatis — Planta univel hipollicaus, bine N *involuclat* illinc N *pubescenh* afflnis, slatuia, visciditatio et coiollis majonbus purpurtii facile di&tincta — Cicscit in Califoimac montibus Sacramento

IV. GIL. IA Rz. y Pav.

(Dnth in DC Prodi IX 310 — Wlpis Repert VI 526, Annal I 519)

- 1 G (*Lepiosiphon*) LONGITLBA lynth l'hnt Ilutw 324 no 1850 — Ilumilis foliis 3—5-fldis, scgmenlis mftnoium oblougo lnu.uibus (un(uis\(\», superloium liucnubus, caljcis lacimis lirionnbus, coiollae li bo gm(illiino, fulus floi Wibus quadiuplo, limbo suo plus quintuple longioic — Ilcib i 3—1 - pollicaus foiollae tubu^ 15—16 lin longus, limbus viv 3 lin puipurdescens \L\ flacscens, fundo auico — Cicscit in sjhis Californiae propc Monioiej
- 2 G TLMILADntb 1 r 325 no 1852 — Pusilla folns 3 — 5-Hdis, scgmenlis infonorum obovni - oblongis, (uncalis lincanbusve, superioium lineanbus, caçcis lacinus lincan - lanccolalis, toiollae (ubo foliis floralibus sublnplo, limbo suo minimo plus quintuplo longioic — Ilcibula 2—3 - pollicans, vix lamosa Corollac tubus 7—8 lin, limbus VIY l'A lin longus puijuiascens, fundo lutco — Cie^cit in Galiforniae valle Saciamfn.10
- 3 G CILIATA Bnih 1 c no 1853 — Slucta scabro-pubescens folns 5—7-fldis, segmentis linuaribus ngulo ciliatis, calycis lacinus lineau - pungenlibus, corollae tubo tenui folia (loialia bievitei Miperante, limbo suo subquintluplo longioie — Caules simplices 6—9-pollicares Folia somipollicana vel longioia, ngida subpungentia, praesertim flo-

ralia pilis longis albis rigidis paucibus ciliata Corollae tubus 7 lm, limbus vix 1 1/2
liti longus — Credit in locis alienosis \allis Califoimac Sacramento

- 4 G (C/n ysanf/m 0 FILIPHS Hnili 1 c no IHoi — Cdule itnui dichotome raraoso, folns
opposite palinalim 5—7-fldis, segmeritis lincanbus pedicellis e dichotomus fliformi-
bus cloii^Uis, corolla subcamp mulata lubo brevissimo — Habitus feie sciioms *Da-
Ltiijnphylh*, sed folia omni opposna videtur Caule* c basi Kix ramosi, lamis gra-
cilibus rubeniibus leviter scabio-pubculis Folioium segmenta angusta, rigidula, fere
subulaia, 3—4 lm longa Pedicelli giacillni ultiapolllicures Corolla 3 1/2 lm longa,
magis a>erta quim m *lugihit*, non lamcn subioiata lit in *Dactijlophulln* Ovula in
quocunque loculo ciua 8 — Species cum G *nweu* Null a specie nova a Frcnrntio
in monlibus Scopulosis loda suionom (onsnum propnam a Nnualio piopositam, in-
lei 1 *uQilunn eilhiilyluphijllum* suliiiiicnnLdiani No men lamcn Nullalianuin *Chry*.anlha*
vix con\cml, uim (loics in bat spuiuu all>dae el toloi vciosimiliKM ui in alus. seclio-
nibiib valde \anabilis csl — Ciescit in California* pascuis ^ICCS vallis Saciamemo

- 5 G (*luyilia*) LtDIII IMIJUANA ScheUo, Linnaea XVI 753 f— Caulib bicidceus vis-
tido -pubtmilus cicctus lainoMis pamculnius 1—'A-pedahs Folia a'ltcina in peulum
^pailiulio - angustaia mmue el adpresse pubciula den!>c ciliolnti, infcuoia oblonga
pmnatiddii aciiinin IUI, lolus ovaio-lanccolatis acumimlis inciso-dcutali!>, vcl subrotundo-
ovata lobaia, lobis denuti^, dentibus abiupte acuinnaais, supouoia lineaila pinnatiflida,
segmenta c basi latiou lanceolato - subulaia Rami paunflou dis9iti(lon, flores ebia-
clcali longe pedicellau in npice lamulotum, pedicolli visco^o-puberuli Calyx couico-
campanulatus quinqucfidus, lacmiao linceolatae utuiac, medio horbaceae \iudes, mai-
gine albo-scanosae, tubo suo el lubo coiollino longioies Cuiolla coeiulea mfundibu-
liformis glabia, limbi lacirua ovaiae aculac, lubo suo incluso et calyce longioies
Stamina summo lubo inserla exscrla, anlbciao lutcae dorso afixue ovnos biloculares,
loculis paiallehs longitudmalitci detusecnlibus Shlus simplex apice tnflidus lobis
lineaiibus Ovaiium -st^ile UilotuKnt^, loculi->]lunovulali9 fapsula ovoulca glabra,
liiloculais Ioculiude Invahis, tdyto paulo longioi, lotuli pleiospcimi Scmina an-
gulala

a foliu, infci 10l thus oblongis pmnalilidis

- P foliis nifci 10l ibus subiolundo - o\aus spatulatis lobalis — Ciescit in terns
Texonsibus

- fi G (*Ipomopsis*) GLANDULOS\ Sthcele I c 754 f — Caulis pcienms glanduloso-pube-
rulus erecius lainsibsimus, rami diveigenios angulali Folia ngida, praeseilim mar-
gine glandulosa, radicia ppuolata pinnaiisecla, caulina alterna sessilia, segmenta
omnium inlcgemma acuinnaia pungenlia, folia caulina infeuoi a pmnatisecla, segmento
summa oblongo-cuncata, itiflma 2—4 longe remoia cauli appioximala, anguslo linean-
oblanccolata, loda supcnoia palinatisocla, segmenlis omnibus anguste lineari-lanceo-
lariis ulnuque atienuatit Rami dicholomi, apico disiiiflon Pcdunculi glndulosi flore
longiores Floies coculei ainpli spcuosi ebiattcau Calyx obconico - campanulalus
quinqucfidub glanduloso-puberulus, lacmino c basi ovata subulaiae, margine albo-sca-
nosae tubum suum et corollae aequanics Cuiolla mfundibulifoimis quinquetlda, limbi
regulai is lacunae obovato - subrotundae mlegiae, apice rotundaiao glabrae, tubo suo
calyceque longioies Mamma 5 exseila, antluiae oblongac Stjlus simplex tnlobus,
stammibus longior, lobi apice cla\jlo - incras>ali Ovanum o\oideum inloculare
Ovula in loculis pluria Capsula . . ? — Crescit in Texade prope Neu-
braunfels.

- 7 G STRICT A Scheelo I c 755 f — Caulis si rictus elatus glabeuimiis ramosissimus,
iami stucti Folia alteina pmnatisecla glabuuscula, segmenta clongala lineai la incisa
vel inlcgra acutfl Cjmae apice lamoiium capiatae 5—8-floiac longe ptduculdlac.
Pedicelli viscido-puberuli, calyto flonfero quadiuplo, cnpsula duplo bie\ioies Flores
ebiactcati Calyx obionico-campanulalus mmule pubeiulus, laumae subulaiae erectae
lubo suo iQngiorob, lubo coiollino duplo bievioieb Cuiolla miundibuhfuimis, coerulea

globro, limbi tubo duplo longioris lacinae ovaiae. Antberae exsertae ovaes. Stylus exsertus stamina superans, apice breviter trifidus, lobis linearibus apice incrassatis. Ovarium sessile unlocutare. Capsula colyce tezia trilocularis trivalvis ovoiden oblusa glabra. Loculi oligospermi. Semina fusca ovoidca angulata alata. — Habitat in republica Toxicensi.

VIII. CAHTTUA Juss.

(Bnlli. in DC. Prodr. IX. 320. - Wlprs. Annal. I. 519.)

1. C. GLUTINOSA Prsl. Epimcline p. 213. f— Annuā pubescenli-viscida: caule suberecto viscosissimo; foliis oblongis pinnatifido-dentatis, summis integerrimis acutis; floribus racemosu-paniculatis; pedicellis solitariis terminalibus lateralibusque; corolla calycem superans; antheris inclusis. — Uubilai in Cordilleris Cbilensibus.

f Leoneti addendae*

- C. BUXIFOLIA Lam. — Until, in DC. /. c. 321. no. 4. — Van Houllc, Flore des serres IV. tab.343. — C. *bicolor* Leinaire. — Wlprs. 1. c. no. I. — Paxton, Mag. of bot. XV. p.219. c. ic.
- C. PYRIFOLIA Juss. — Bnth. in DC. I. c. 320. no. 2. — Hook. Bot. Magaz. tab. 4386. — Van Houllc I. c. tab. 383. — Moiron, Annal. de la soc. d'agricult. de Gand IV. 333. tab. 214.

Villa. PJILKTAKRIA Liebmann.

(Liebm. Philelaeria on ny anojnal Slaogi af Polcmoniacerne familie. [Kjdbenhavn 1850. 4 to.] p. 5. tab. 1.)

Calyx pentaphyllus, phyllis coriaceis imbricatis. Corolla hypogyna tubuloso-infundibuliformis, tubo incurvo, limbo quinquefido aequali, lobis subobliquis. Stamina 10—14 disco hypogyno inserta exserta inaequilonga; filamenta declinata prope basin pilis hyalinis glutinosis instructa; antherae incumbentes sagittatae apiculatae biloculares, loculis parvulis collateralibus, rima longitudinali dehiscentibus; pollen rotundato-prismaticum triporosum fuscum. Ovarium unloculare superum. Stylus terminalis simplex exsertus; stigma trifidum, lacinis linearibus. Capsula oblongo-conica lignosa trivalvis trilocularis seplifraga, columna centrali placentifera septifera triquetra. Semina in loculis pauca ascendente imbricata compressa, testa spongiosa undique in albam membranaceam latam superne inferne incisam producta. Embryon carnosum rectum intra albumen parvum, cotyledonibus ovalibus planis, radícula brevi infera. — Arbuscula Mexicana ramosissima: ramis crassis angulatis cinereis; foliis primariis in aculeos simplices abortivis, foliis secundariis fasciculatis subsessilibus obcordatis integerrimis; floribus terminalibus in spicis sparsifloris centrifugis sessilibus erectis; calyce corollaque punicea speciosa coriaceis.

1. PH. HORRIDA Liebmann. 1. c. f. tab. 1. — Arbuscula 10—16-pedalis ramosissima: ramis crassis angulatis cinereis nitidis, caule fuscis simplicissimis $\frac{1}{2}$ —V $P^{0 \wedge *}$ longis. Folia fasciculata affixa fugacia obcordata subsessilia, basi cuneata integerrima, utrinque glabra 6—8" longa 6" lata penninervia. Spicae terminales solitariae vel fasciculatae curvatae sparsiflorae. Flores bracteati, bracteis deciduis coriaceis rubescentibus late ovatis pungentibus. Sepala late ovata breviter acutata coriacea fusco*

rubescencia marginibus tenuioribus 3—4" longa lataque. Corolla tubpollicaris, lobis patentibus vel parum reflexis late ovatis acutis aubobliquit paulo inaequalibus, apice parum cucullatis, aesiivatione imbricata. Staminia corolla longiora, filamentis tæxuo-sit, basi pilis glutinosis subcohaerentibus, antheris conaceis helvolis. Capsula Bub-pollicans rfitida fusca, vohis oblongis convexiusculis. Semfoft cum ala 4-r5" longa, 2" lala. — Habitnl in decliviiiae montium porphyricorum drea vallem Tehuacanensem gubernii Puebla all. 5—6000' promonioni S. Lorenzo, Veota salada, S. Sebastian •fn Mexico^

CLIV. CONVULVACEAE vmt.

(Choisy in DC. Prodr. IX. 323. ft 565. — Wlprs. Repert. VI. 528. & 743, Annal. I. 519*)

Tribus I. ARGYREIAE Choisy in DC. 1. t. 325.

1. RIVIBA Choisy.

(Choisy In DC. Prodr. IX. 325.)

1. /R, ORNATA Choisy in DC. I. c. 326. no. 6. — Wght. Icon, plant. Ind. oriental. IV. lab. 1356.

f Spele§ **excludenda.**

R. TLIAEFOLIA Choisy = ARGYREIA TLIAEFOLIA Wght.

VI. UAOTBfiU Lour.

(Choisy in DC. Prodr. IX. 328. — Wlprs. Repert. VI. W9, Annal. I. 519.)

1. *A, AGGRATA Choisy in DC. I. c. 333. no. 80. — Wght. Icon, jrtat. Ird. Oc. 17. id>. 1959. *
- Z *A. SETOSA Choisy in DC. I. c. 332. no. 27. — Wght. 1. c. tab. 1360.
3. 'A. FULGENS Choisy in DC. 1. c. 329. no. 8. — Wght. 1. o. i&b. 1357.
4. 'A. TLIAEFOLIA Wght. 1. c. lab. 1398. — *Rivea tfliaefolia* Choisy In DC. 1. 4. 326. no. 1.

Tribus n. CONVULVACEAE Choisy in DC. 1. 6; 335.

X. HtJkmOCWY. Tournef.

(Choisy la DC. Prodr. IX. 335. — Wlprs. Repert. VI. 529.)

1. *QU. VITIFOLIA 6. Don. — Choisy in DC. 1. c. 336. not 9. — *Calboa globosa* Lindl. Journ. of hortio, »oc. V. 83. c. io. xylogr.

XI. MORAN^a Llav. *Sf Lex.*

(Choisy in DC Prodr. IX. 337.)

1. 'M. LOBAT A Llav. ft Lex. — Choisy in DC. 1. c. no. 1. — Morren, Annal. de la soc rtagriculi. de Gand V. 211. lab. 259. — Paxton, Magaz. of boian. XVI. 00. (c. ic.)

XII. BATATAS *Rmph.*

(Choisy in DC. Prodr. IX. 337. — Wlprs. Repert. VI. 530.)

1. *H. ABYSSINIGA* A. Richard, Tenl. (lor. Ab)ss. II. 64. — Cautè volubih ramoso gracili subluspidò; folus peliolalis, basi iuuuotii subtiatigulaubusj, apice tilieuudlis acutisque, angulis infenoubiis obiusia ginbiiusculis, margin e ciholnii; peduuculis folia aequantibus aolitnrib crassiusculis, apice cjmosis; floribu6 3—6 breviter el inaequaliter pedicellatis, basi bractcolalis, brncicolis lanccolulis aculis, dorso subcariaatis; sepulis oblongo - ellipticis obtusis, npice brevissime mucronulntis, mnrGINE lonuissimis, glabris; corollnc subtiibulosae glabrae purpurenc Inciniis limbi ncatis; staminibus inclusis; capsula ovoideo-oblonga obiusiuscula bivnlvi; seminibus dense et appressc toinflnisi9, quariim globuli partem referenfibus. — Habitnt in Abyssiniaè provincia Chire. '

XIII. PHARB1T18 *Choisy.*

(Choisy in DC. Prodr. IX. 341 - Wlprs. Report. VI. 530. ft 743, Annal. I. 520.)"

1. *PH. LIMBATA* Lindl. Journ. or the bortie' soc. V. 33. — Van Houlte, Flore des serres VI. 235. tab. 608. — Annu. caulc relrorsum piloso; foliis cordatis intogris angulatis trilobisquo pilosisqu', lobis basi dllataiis acmninnlis;" pedunculis solilariis ijniflocis, penolis duplo brevionbus; sepalis bnsi hispidis, npice pilosjs, linearibus aculia longissimis. — Java.

XIV. CALOHTYCTIOJtf *Choisy.*

(Choisy In DC. Prodr. IX. 345. — Wlprs. Repert. VI. 531. ft 743.)

1. * *C. SPECIOSUM* Choisy in DC. I, c. no. 1. — Wgbt. Icon, plant Ind. oriental. IV. lab. 1361.

XVI. E,EPISTEI*!Otf *Blume.*

(Clioisy in DC. Prodr. IX. 317.)

1. 'L. FLAVESCENS' Choisy in DC. 1. c. 348. no. 2. — Wghl. Icon, plant. Ind. or. IV. tab. 1362.

XVII. ' IPOMAEA *Linn.*

(Choisy in DC. Prodr. IX. 348. ft 565. - Wlprs. Repert. VI. 531. Annal. I. 520.)

1. *I. J&PV* omnia CARIFOLIA* Roem. et Schult. Syst. IV. 251. — Choisy in DC. ffrodr. 1X^50. no. 8. — Wlprs. Linnaea XXI*L 750. — Diagnosis omendata'. — Caule pro-

strato tereii fistuloso glaberrimo; foliis petiolalis (petiolis 1 y<.*-i'A-poUicariljua) reniformi - cordalis subtnlobUve obiusissimis, apice bf<viter incisus cum mu.croiulQ ioierjecto brevissimo (bipolljcaria, 2—3 poll, lata), nngulis rolundalis obtusissiuuis, utrinque glaberrimis subcojiaceis palmntinerviis; pedunculis axillnibus pouoluin aequojibus glabris 1—2-Doris, pedicellis breuib; sepalis duobus exterioribus abbreviatés suborbicularibus obtu9issimis, interioribus fere duplo longiorilms (5—6 lip. longis) ovalibus obtusis; corolla (bipollicari) tubuloso-infnndibnliformi rosea spccioaa; rapsula subglobosa coriacea glaberrima (aboriu ihterdum monosperma). — Hnbiu accedit ad *I. pedem caprae* L. scd foliorum forma eximie difieri. — In Seuegambia iutligena veroaimiliter mde cum.saburra advecta nunc etiam provemt in insulis Guadeloupe et Sti. Thomne.

2. F. (*Orthipomaea*) COMMATOPHYLLA A. Richard, Tom. flor. Abyss[?]. ff. 65. — Percnms: cnule a basi ramoso; ramis tcretibus pedalibus ascendeniibus hispidulis; foliis petiolalis, basi cunealis inaequalaer tnflriis, basi acuiis, terminal! majore inciso-dentato, praesenim subius setoso - pilosis; flonbus mediae magniudmis axiUaribus solitariis brevissirae pedunculate; calycis Inclniis basi ovalibus longissime"acuminatis netosis ciliatisque, mediam corollam suporantd>us; corolla tubulosa superne pate ate gjabra; capsula globosa pisiformi glabra obtysa, cnlyce longiore vestita; semfnibus appresse toroenteljis. — *Convolvulus commatophyllus* Hochst. mss. — Habitat in locis monlosis Abyssiniae, provinciae Chire.
3. I. AURICOMA A. Richard I. cit. p. 67. — Annu: caule a basi ramosissimo; ramjs virgalis ascendentibus gracilibus, adprajise lomentosis, pilis longis Intermixiis, pedalibus et ultra; foliit breviter petiolath oblongis acutis, basi emnrgipaio - subcordails, coloro pallidis, praesenim subius setoso - pilots; floribus capitatis; eapUulfs densis paucifloris, peduuculo communi foliis loigiore suffuliis; foliis floralibus <aepius fynis ovoli-ellipiicis acuiis el bracte^s langeolails imerihixiis^involucraiaa; calycU alie 5-pnr-titi lacinih lanceolmis acutin, exiorne pilis loogistiinis aureis nltentibus sericeis; -capsula angusta oblonga, opice acuta, calyce vestiia glabra; sciqinibus ovoideis dense et tenuiter luberculatis. — Habitat in Abyssimae provincia Choho, ioier mare Rubrum et Abyssiniam proprie diclam.
4. I. (*Strophipomaea* g. ?. *Cephalanlhae*) PERRYANA Ouchass. et Walp. Linnaea XXIII. 751. — Caule, foliis pedunculisque ndpresse pubeacentibus; foliis petiolalia (petiolis 1 — 1¹A-poilicribus) cordath acuminalis (2—2% poll, longis, iy₂ — 1'< poll. lfttis), utrinque sed praesenim infra piloso - pubesceniibus; pedunculis. folium aequanlibus vel parum superaniibus (3—4-pollu'anbu!*), |c|sus upicem fulvo-lonrcqtosis; capitulo deqso lato cymoso-4—12-floro; involucri diphylli foliolis orbicularibus tassilibus mucronulais (9 lin. longis, ferr pollireni lais), cum bracleis ^bovato-orbicularibus mucibriluis (7—8 lin. loogis, senripollicem latis) extus fulvo-lomehtosis, intus atropurpureis glaberrimis; sepalscymbaeformibus ovatis acuiis '(9 lin. longis, jemipolliceni latis), extus densissfmo fulvo - hirsutis; corolla (ex Duchss*. adnot.) afba ^itbuloso-Infundibutiformi (sesquipollicari), ad plicas oxtus longitudin'altier fulvo - hlrtutftMuta; capsula membranacea glabra, abortu 1-r2-sperma; semiqibus glaberrfmis. — Proximo accedit ad *I. lurifloram* Marl, el Galeoui (Wlpn. ftepert. VI. 533. no. 7.), qnae differt caule petiolisquo fulvo-villosis, foliis supra sericeo-villosis, subtus tomentosis, pedunculis duplo' longioribus fulvo - villosis et praecipue sepalis ovato - Innceolatis aemipollicaribus. Caeterum in⁷l, *hirhflonia* bractee sepalis longiores, in nostra breviores de»-cribumnr. *I. eriocephala* Moric. (DC. Prodr. IX. 366. no. Ita) recedii^raoieJ* tancoolalis sepalsisque linearibus. — Flores brevissime,pedicellaii, pedicelli rA—2 tin. longi. Stigma bicapitaum. Capsula obovata glaberrima, pilis <parsls obaita, tenuiter raembranacea bivalvis*, tandem dehiseenc^ geji^u^um abortu saepius 1—2 - sperma. — Crescit jn istbmo Panamensi.
5. I. (*Strophipomaea* §. 3. *Integiifotiae*) KENTROCARPA Hochst. mss. in A. Richard 1. c. 70. — Caule ram.oao volubjli; rami* terefbua pubentibus; foliis petiolalis profpofa <t >Dguatft oordaUs, aplpe saepius pbtusia, subemargiaais mugronulotis pulY^ruiemif, in

- nervis tantum hirtollis integris ^ pedunculo axillori peioliis brevioribus, apice cymoso-trinoro; floribus podiucellatis; pedicellis supra basin hibracteolatis, pedunculum aequantilibus sepalis ovalibus obtusis, apice mucronatis, margine tenui-membranaceis, externe puberulis; corolla infundibuliformi - campanulata, calyce sexluplo el ultra longiore glabra; capsulis ovoideis apiculatis, calyce duplo longioribus glabris. — Habitat in Abyssiniac dumosis prope Doeli (Tecli), non prorsum a (ludio Mnreb.
6. I. ACUTIFLORA A. Rich. 1. cit. p. 71. — Cnmlr ramoso volubili subpiloso; foliis breviter petiolatis cordatis integris, apice attenuatis obtusis aut subaculis, superne sublusque pilosiusculis; pedunculis ramosis, folio brevioribus pilosis; floribus multifloris modice pedicellatis numerosis; pedicellis inactoidis; calycis sepalis ellipticis glabris, externis trifloris, internis obtusis; corolla oblonga-camp*anulata 5-fida, lobis angustis acutis. — Habitat in Abyssiniac regno fiboa.
7. I. (*Strophipomaca* § 3. *Inleyrifoliae*) BLEPFIAROSEPAL V Hochst. rass. in A. Richard 1. cit. p. 72. — Caule volubili remoso; ramis virgatis teretibus glabris; foliis petiolatis profunde cordatis aculis el hrevissimo acuminatis, subtus in nervis hirtis membranaceis; pedunculis axillaribus, petiolo longioribus; floribus parvis purpureis, racemum elongatum secutulum disianthium 3 — 6 - florum efflorescentibus; pedicellis brevibus, primis erectis, demum retroflexis; sepalis basi late cordatis, apice longe acuminatis externe hirtis, margine hispido - ciliatis; corolla tubuloso-campanulata, sepalis paulo longiore, externo puberulis; capsula subglobosa apiculata glabra; seminibus dense loniemosi. — Habitat in fruticulis buinidis distinctus Meriaq in provincia Semiene" Abyssiniae.
8. F. (*Strophipomaca* §.3. *Inlujfoliæ*) MIPANS Græc. Linnæon XXII. 66. f — Caule teretibus glabro volubili; foliis cordatis - acuminatis mucronatis, utrimque imprimis pagina inferiori micanti-pubescentibus petiolatis; petioliis pubescentibus, l'axillari poll, longis; pedunculis elongatis crassis, folia superantibus, gibbis vel paululum pubescentibus; floribus irregulariter cymosis; sepalis obovatis obtusis arqualibus glabris, sese involventibus, 3 — 4 lin. longis; corolla auren infundibuliformi, interne anguste lobulosa, calyce 3 — 4-plo longiore. — Crescit in sepibus prope Paramaribo.
9. I. ALDA Græc. 1. c. f — Caute striato piloso volubili; foliis obovatis - acuminatis glabris petiolatis; petioliis pilosis bipollicaribus; pedunculis pubescentibus vel subglabris petiolum aequantibus - pedunculis irregulariter cymosis sepalis lanceolatis acutis glabris, exterioribus angustioribus, 4 lin. longis; corolla alba infundibuliformi, calycem plus duplo superante. — Crescit in Surinam ad fosses prope pi. Tourtonne.
10. I. LONGIPES Græc. 1. vit. f — Caule striato piloso volubili; foliis cordatis - acuminatis glabris; petioliis pilosis 2 — 3 poll, longis; pedunculis pilosis, folium noquantibus vel superantibus; floribus irregulariter cymosis, cyma irregulariter dichotoma; pedicellis 6 — 9 lin. longis; sepalis obovatis ellipticis, breviter cuspidatis glabris, exterioribus paulo brevioribus, margine imprimis apicem versus ciliatis, interioribus latioribus glabris, 4 — 5 lin. longis; corolla calycem quintuplo superante. — Crescit in Surinam in sepibus prope Poelbanijc. "
11. F. STENOCOPPA Græc. I. cit. 67. f — Glabra: caule striato volubili; foliis oblongo-cordatis acuminatis, leviter repandis, longe petiolatis, infra pallidioribus, SHIU profundo, lobis angustissime distantibus vel incumbentibus; pedunculis petiolum superantibus; floribus cymosis; cyma irregulariter pluriceps - el dichotoma elongata; sepalis subaequalibus lanceolatis cuspidatis - acuminatis glabris, 4 lin. longis; corolla lilacina infundibuliformi, calycem sexies superantibus bipollicari; capsula glabra depresso-globosa, — Habitat prope Paramaribo in Surinam.
12. I. MOLLICOMA Miqu. Stirp. Surin. select. 132. tab. 37. — Tota tomentello-pubescentia: foliis ovato-cordatis breviter acuminatis integerrimis; pedunculis axillaribus folium

- fere aequantibus incano-pubescentibus, apice subumbellato-floriferis; pedicellis calyceque glabris, sepalis late ovatis obtusis; corolla? tubo infundibuliformis limbo quinquentario, excluso pilosulo; (Internodiis versus basin muralis. — Crescit in Surinam. — *Micro&epalae.
13. I. DRACONTIUM Wight. Icon, plant. Ind. or. IV. tab. 1374 — Herbacea vixibilis undique longe pubescens: foliis longe petiolatis rotundatis cordatis mucronatis; pedunculis petiolo subaequantibus cymoso - 3-floris; floribus sessilibus parvis, lateralibus bracteatis ternis trivato-cordatis obtusis lobatis, sepalis corollam subaequantibus; corollae subcampanulatae tubo glabro, limbo non angulos puberulo; staminibus inclusis. — In India orientali.
14. f. FULVICOMA -fruticosa in Hook. Kew bot. misc. I. 176. — Simul repens et volubilis: caulis laevigatus; foliis cordato-ovatis mucronatis acuminatis; nunc integerrimis nunc subsinuatis, supra apertissime pilosis, subtus incano-pubescentibus; petiolo pubescentibus; pedunculis secundis glabris petiolo ul plurimum parva appendicibus bifloris; sepalis subaequalibus obovatis costatis; corolla . . . ?; capsula calyce cincta ovata glabra; seminibus subsphaericis fulvo-villosis. — Crescit ad cautes litoreas insulae Hongkong. — Ad *Diveriofolias* referenda?
15. f. MORELII Duchass. et Walp. Linnaea XXIII. 75?. — Caule tereti glabro vel minutissimo aspero - tuberculato; foliis petiolatis (petiolo 1 — 1/2 — 2/3 pollicaribus) cordato - sagittatis integris acuminatis, auriculis sinu profunde sejunctis acutis, utrinque glaberrimis, infra pallidioribus (a petioli insertione ad apicem 2—3% poll. longis, 1/2 — 2 poll. latis); pedunculis axillaribus (saepius sesquipollicaribus) cymoso - multifloris (pedicellis semipollicaribus); sepalis coriaceis, ovali-subrotundis, obtusis (3 lin. longis), areole imbricatis, corolla purpurea (bipollicari); capsula globosa glaberrima, styli basi indurata corona; seminibus nigricanti-tomentosis. — Affinis videtur *I. cymosa* R. et Sch. (DC. Prodr. IX. 371. no. 151.), quae differt foliis breviter petiolatis, pedunculis axillaribus brevibus, corolla pollicari, capsula conica semibusque rufo-lanatis; *J. sagittata* Duf. (DC. Prodr. IX. 372 no. 156.) recedit a planta nostra auriculis foliorum nunc abrupte truncatis nunc obtusis, pedunculis petiolo brevioribus 1—2-floris sepalis mucronatis. — Habitat in isthmo Pannamensi.
16. I. (*MacroMpala*) SERICANTHA Miq. Surinam. select. 131. f — Glabra: foliis lato-rotundatis abrupte anguste acuminatis, pedunculis axillaribus crassis folium superantibus, apice incommissis; sepalis elliptico-rotundatis obtusissimis, margine angustissimo scarioso glabris puberulis; corolla alba campanulata, in plicarum dorsis villosa 2/3-pollicari. — Crescit in Surinam alluvione Marrowne superius.
17. I. (Sect. III. *Strophipomaea* % 5. *Multinaria*) UOUVETII DuRoi. et Willd. I. c. 752. — Herbacea glabra: caule filiformi ad foliorum insertionem barbato v. globoso; foliis petiolatis (petiolo ad apicem 9—10 lin. longi, saepe breviori) palmato-quinquepartito, laciniis ovato-lanceolatis, obtusis v. mucronatis, integris v. obsolete crenatis, media majore (pollicari, semipollicem lata), eximie saepe profunde bilobis, petiolo ad basin utrinque foliis stipularibus minoribus palmatis quinquelobis deciduis instructis; pedunculis axillaribus unifloris (petiolorum majorum longitudine) v. corymboso-mucronatis; sepalis ovato-orbicularibus, apice emarginatis, 2—2 1/2 lin. longis totidemque latis, exterioribus paulo brevioribus angustioribusque; corolla purpurea spoclosa, — Affinis *I. venosa* R. et Schult. (Cbois. in DC. Prodr. IX. 384. no. 237.), quae differt laciniis foliorum petiolulatis, petiolo laciniisque duplo majoribus nec non sepalis acutiusculis, etiam in *I. pentaphylla* Gav. (Cbois. I. c. 385. no. 243.), quam prostrata non dissimilem puto, foliola petiolulata multo majora ovato-elliptica describuntur; *I. tuberculata* R. et Sch. (Cbois. I. c. 386. no. 249.) recedit caule plerumque verrucoso-mucronato, sepalis 3—4 lin. longis, ovato-oblongis seminibusque glabris. — Ramuli juniores piloso-pubescentes, mox laevigati; folia quinqueloba, laciniis versus basin attenuatis, nec lanion petiolulatis, integris v. saepius extimis profunde bifidis, rarissime lacinae extimae integrae et intermediae bifidae reperiuntur. Corolla sesqui-

pollicaris infuirdibulifonnU. Capsulam jnalur.im non vidi. Seinina lanata (ex Ducbass. adnul). — In insula Guadeloupe.

f **Iconea Addcndae.**

- I. CAMPANULATA Linn. — Choisy in DC. I. c. 359. no. 70. — Wght. Icon. pi. Ind. or. IV. ml). 1370.
 I. PILEATA Rxb. flt Wall. — Choisy in DC. I. c. 363. no. 103. — Wght. I. c. tab. 1362.
 I. RUKESCKNS Rili. — Choi*j in DC. I. c. 371 no. 152. — Wght. Illuslr. of Ind. bot. IF. tub. 16H.
 I. WIGHTII Choisy in DC. I. c. 364. no. 93. — Wght. Icon. pi. tab. 1364.

XVIII J.%CHIKJIO1VTIA Choisy.

(Choi-) in DC. Proilr. IX. 396. — Wlprs. Repert. VI. 536, Annul. I. 520.)

- 1 J. HISPIDA Schcelc, Linnen XXf. 751. f— Coulis herbaccus volubilis abbreviatus angulatus rclrordum appresse hispidus, bnsi ramosus. Folia longe petiolata cordotn Integra mucroiinta glalua ciliatn, supra minulissime «t depsissime punctntn. Peliolus canaliculaiiis reirorsum Jii>jii(lus, folia acquans. Pcdunculi oxillares 1—2-flori reirorsum bi^puli, jlioliuluin siib.icquaiilut hractcali; braclcne lanceolalae ciliatac. Sepalu o bay lain uordala nruptc lanceolato- sijbulata hispiilo -ciliaia , corollno lubum aequoniia. Corolla rooruloa quinquoloba trlnbrn, sliiis qninqc viridibus piibeecenlihus longitudinaliter insinicta, lobi luluim actjiiantos ovali acini. Geniialia tubiun corollae aequuntia. Sngniatn duo o\onio- cniiiiplnata. Capsuln ?— Crescit in provincia Minarum gencralmm fti-asU'wi*.
2. J. CRASSIFOLIA, Kchcule I. c. 752. f — Caulis volubilis tces ferrugineo-tomentosus. Folia broviiier pi'lliolma coiiacca oblunga fermgineo- lomentosa, utrinque oblu.sn inlegia, vix undulaio-rcpnnda mucronata, subius vcnis valde prominulis. Peduntuli versus apicem caulis axillares uniflori tomentosi patenles, supra medium articulaii, folio suo minuto bis vel tor longioirs, nriiculaio-hracipati, bracienc ovalne., Sephla inaequalia membranacca bi&erialia, oxleina bruviora oblunga acuta, dorso sparse stellaip, pubescentia, intorna majora oliovutn glabra, sbruptc amminata. Corolla nlba campanu- Inla glabrn, calycu duplo longior, lobi ovali obius>i tubo mutlo breviores. Gunilalin inelusa. .Shins unuo. Stigmata i\\n ovain - coinplanntn. Ovnrium biloculare quadriovulalum. Capsula — *Convolvulus crassifolws* Schoele m^ . — Crescit in provincia Minarum grnernlinm fi n-illiae.

XIX COHTVOliVULiUS Linn.

(Choisy in DC. Pro.lr. IX. 399. — Wlprs. Ropeit. Vr. 536. ft 743, Annul. I. 521.)

% 1. *Orllwcaulos Choisy.*

1. G. SCHIMPERI Boiss. Diagn. plant, orient, nov. XI. p. 81. f — Perennis sufTrulJcosus, toius pilia patulis rufesceniibus mol'ilor hispidus: caulibus ercllis ramosis; ramis inermihus folioais; foliis oblongis olmisis in potiolum attntuntis valde nervoso -rugosis, marginc undulato- crispis, subius piacseriim ferrugineo-pilosissimis; floribbs in capitulo 3—4-flora axillaria pcdunculaia foliis breviora congcslis; brnctcit sepalUque Sub*.

- aequilongis anguste lanceolato - linearibus dense hispidis; corolla angusta pilosa calycem vix superanti. — Crescit in Arabia felici.
2. *C. COMMUTATUS* Boias. 1. cil. p. 81. f — Basi suffrutescens multicaulis, totus indumento adpressissimo viridi - flavido brevi obsilus: caulibus erectis rigidis crassiusculis simplicibus vel parce ramosis; foliis radicalibus ovato - spatulatis obtusissimis in petiolum iis longiorem attenuatis, caulinis sessilibus oblongis, utrinque nullo modo ocutiusculis; floribus ad caulis apicem dense ciliatis, folio florali uno alterove calyces aequanti sulculatis; sepalis lanceolatis apice valde attenuato-acuminatis dense et longe rufescentibus; corolla extus valde rufescentibus, calyce duplo longiori. — Crescit in Mesopotamia ad Mossul.
- &. *C. SCHIRAZIANUS* Roiss. 1. 6. p. 82. f — Basi suffrutescens multicaulis, totus pilis adpressissimis sericeo-olivaceis: caulibus erectis lenibus virgatis stridite ramosis remotiuscule foliosis; foliis linearibus sessilibus, basi subtruncatis acutiusculis elongatis; floribus terminalibus longiuscule pedunculatis, dense ciliatis, bracteis sepalisque similibus subaequalibus brevibus lineari-lanceolatis subpatulis ciliatis - hispidis; corolla flavida adpresso hirta, calyce subtriplo longiori. — Crescit in Persia australi, in monte Sabst Ruschom prope Schiraz alt. 4800 ped.
4. *C. MODUSTUS* Doiss. 1. c. f — Perennis, totus adpressissime sericeus: radice caules plures pumilos ascendentes, parce ramosos herbaceos edentis; foliis anguste lineari-lanceolatis, utrinque subtruncatis acutis, inferioribus in petiolum brevem abeuntibus, caeteris sessilibus; floribus in capitula densa pauciflora terminalia breviuscule pedunculata folio ea aequantibus plerumque sulculatis dispositis; bracteis sepalisque dense et longe rufescentibus - hispidis angustissime lanceolatis - linearibus acuminato-attenuatis; corolla flavida, extus adpresso hirsuta, calyce duplo longiori. — Crescit in provincia Attribidjan Persiae borealis.
5. *C. LIBANOTICUS* Boiss. 1. c. f — Rhizomate crassissimo lignoso toruloso, superne ramoso caespitem limum adpressissimum densum edenti; foliis radicalibus oblongo-linearibus obtusis vel acutiusculis, basi breviter attenuatis, pilis adpressis griseis canescentibus; caulibus adpresso hirtis tenuibus, folio uno alterove lineari acule instructis brevibus decumbentibus simplicibus vel ramis uno alterove instructis, apice 3—5 flores laxiuscule approximatos ferentibus, aliquando subnullis unilobis; pedicellis calyci aequilongis; bracteis lineari-bus pedicellum aequantibus superantibusve; sepalis sub longe brevioribus et adpresso hirtis ovatis subaequalibus obtusis; corolla extus carnea intus alba, calyce quadruplo longiori. — Crescit in excelsis siccis Libani supra Gedros.
6. *C. STRIGULOSUS* Boiss. 1. c. p. 83. f — Acaulis: rhizomate crasso lignoso, caespites densos cooptos edenti; foliis densissime caespitosis linearibus - oblongis linearibusque, interne acaulis obtusis plicatis, utrinque pilis nigris nitidis rigidis erectis - patulis densissime strigulosis; floribus in caespite sessilibus solitariis; sepalis dense et adpresso pubescentibus minutissimis ovatis obovatis mulicis; corolla extus valde hirsuta, calyce sextuplo longiori. — Crescit in Anatolia circa Angora et Tokat.
7. *C. CHONDRILOIDES* Boiss. 1. c. f — Caulibus basi sulculosis glabrescentibus viridibus erectis elatis subaphyllis stridite ramisissimis ramisque aphyllis tenuissime virgatis, scopariis laxissime paniculatis paucifloris; foliis paucis, inferioribus anguste linearibus, basi attenuatis acutiusculis, sub adpresso et parce hirtis, caeteris lineari-subtruncatis ad oram ramorum oriundis, ramo adpressis; ramulis adpresso et parcissime setulosis filiformibus rigidulis patentibus apice 1—2 flores minutos, pedicello brevissimo sub anthesi nutanti, postea erecto suffultis ferentibus; bracteis ovatis minutissimis squinaeformibus; sepalis albo - membranaceis scariosis pilis rufis adpresso hirtis ovato - rotundis obtusiusculis; corolla alba, extus ad angulos sericea intus alba, calyce triplo longiori. — Crescit in Persia australi, in monte Elbrus prope Derbend Persiae borealis.

§. 2. *Strophocaulos* Choisy.

8. *C. NITKENS* C. Koch, Linnaea XXII. 743. f — E caepie cuules plures breves 1—3 poll, longi prostrati nut denique ascendentes, **pifis** adpressis albis dense veslili; folia oblonga integerrima, tomento densissimo sericeo nilenlia, subtus nervis lateralibus eminentibus praedita, rndicaiin in pctiolum sensim altenunta obtusa, caulina superiora subsessilia obtusiuscula; flores 4—8 cymam brevissimam roferentes ad apicem caulis et ramorum abbrevialorum, axillares ' solilarii; cnlycis sepala duo exteriorajate oblonga obiusa, caetora apice irianguhri excepto inckidentia sericea, corolla exius lineis 5 sericeis nolata vix triplo breviora. — *C. nit ens p licsseri* G. Koch, Linnaea XVII. 282. — Crescit in Armcnie prov. Eriwan.
9. *C. AGHOPULUS* C. KocU, Linnaea XXII. 745. f — Difflusus prostratus cano-tomenlosus: caules sccondarii et rami cauliformes elonguli lercctcs opaci; folia cordata, margine leviter niigulato-dcritata niida, poliolo vix dimidio breviori insidentin, 5—6 lln. longa*, 4—5 lin. lntii; pedunculi uni -, rarissime biflori, folium suum vix superanies aut eo paululum minoros; bractcae lincarcs parvac, pedicellum 3 lin. longum lulcranles; calycia lacinino ovalo - obloiigac aculae lalissimae, cxlorioros inlcriorcs involventes, cer* rollom omoond rubescntein plus duplo sujctantos. — Crescit in Asia ininorc Turcioa in distr. Muscli.
10. *C. PSEUDO-SCAMMONIA* C. Koch I. c. 746. f — Caulis debilis sed orectiusculus, ramosus glaberrimiifl paucifolius; folia sagiilata, supreme linoaria, glaherrinia Iniegerima, peliolo brevi insidentia; pciUmcul longissimi, 3—4 poll, longi unflori, horizontaliter paicnles ascendentes; pedicelli bractcis binis lincaribus suffulti pollicares; calyx grndis nridus, sopnlis lad's oblongi*⁴, ajticc rolundaio scd ocumine brevi instructs, glaberrimus, corolla duplo brevior. — Crescil in A>iae ininoris distr. Sber.
11. *C. PEDUNCULATUS* Hoiss. Dingn. plant, orient, nov. XI. p. 84. f — Perennis* caulibus volubilibus elongulis floxuosus palule rufescenii - lomontotiis; foliU tomento denso flavjdo adpressissimo sericeo-velulinis, iufeiioribus pedunculo brovi suffultis, superioribus subsessilibuSj omnibus oblon^is aculis anguste cordatis subbastatis obsoletissime repnndis, auriculis non divergonlibus triangularibus bievibus acutiusculis subbilobis; podunculis folio sextuplo longioribus, laxo 2—3-llois, ad pedicellorum ortum bracteis oppositis linenri-setaccis, pedicello brevioribus instructis; pvdicellis rufo - birsulis calyce aequilongis; sepalis pufescenti-hirlis albidis lineari-lanceolalis, apioe (riapulari-acuminatis virescentibus; corolla ochroleuca, exclus ad angulos parce et adpressa hirta, calypc triplo longiori. — Crescil in Mesopotamia inter Orfa el Sierck.
12. *C. PAL ACS TIN US* Doiss. I. c. p. 81. f — Perennis: caulibus volubilibus fliforailms rlonffalis procum(cnlibiis ramosis adpressc pubescentibus; foliis ulrinque tomento adpressissimo ad nervos* vcnuloso niienti canescentibus cordaio-oblongis obtuse crenatolobatis, inferioribus longo pciolalis obiubis, superiorilms brevissime petiolatis, apice ntlenualis aculis, ouriculis omnium non divergenlibus obtusis lobulatis; pedunculis oxillaribus 1—4-floris, folia axillaria vix superamibus, ad bifurcaliones bractcolis setnecis obsilis; pedicellis tomentos calyce longioribus; »epalis submembranaceis ovato-subrotundis obtusiasimis muticis adpresse **hirlis**; corolla cilrina, ad angulos sericea, cnlycc quodruplo longiori. — Crescit in cullis Palaestinae.
- p. dwenifolius:** folia inferiora subpalmntim dissecta, laciniis utrinque 2 — 3 lanceolnio - linenribus, intermedia nullo longiori, folia superiora longe linearla acuminata integerrima, auriculis 2 lineari - setaceis hnstata. — Crescit ad Bolu Bithyniae.
13. *C. COELESYRIACUS* Boiss. I. c. p. 85. f — Annuus multicaulis, totus viridis minute parce et adpresse pilosiusculus: caulibus volubilibus fliformibus procumbentibus angulosis; foliis inferioribus peliolo iis longiori sulTuUis late cordalis ovato-subrotundis, obtusissiniis vix repandis, iniermediis obtuse quinquelobis, lobo lerminali elongato,

- superioribus brevissimis petiolatis digitatim 5-partitis, laciniis oblongo-linearibus acutis, intermedia longiori, summis saepe linearibus - bastatis acuminatis; floribus solitariis axillaribus pedunculo recto folium superanti suffultis infra medium 2 bracteis sessilibus subnatis, parte supra bracteis sita (pedicello) post anthesin senam a basi ad apicem incrassata recurva; sepalis palule hirtis ovatis obtusissimis longe inaequalibus; corolla rosca, ad ungulos apice pilosula, calyce triplo longiori. — Crescit in cultris Coclesyriae inter Hasbaya et Raschcya.
14. *C. IANTHINUS* Hance, Pl. nov. Ausir. Chin, diagn. inedit. I. p. 8. — Herbaceus volubilis: caule tereti delili floccoso-pubescente; foliis cordato-ovalis, nunc obsolete sinuatis valde acuminatis, utrinque praesertim in venis sparse pubescentibus ciliatis petiolatis, supra viridibus, subius pallidioribus, venis pagina inferiore prominulis; pedunculis cum pedicellis folia superantibus v. raro lanum aequantibus umbellato-12-floris; bracteis subulatis puberulis; floribus breviter pedicellatis; sepalis rhombico-ovatis elongatis, exterioribus parum majoribus; corolla dilute violacea infundibuliformi-campanulata semipollicari calycem duplo superante; gonitibus subexsertis (sed corolla clausa inclusis) ulbis; staminibus relaxis; capsula glabra subglobosa calyce vix brevior. — *C. parvifloro* Vahl. proximo affinis. — In ins. Hongkong.
15. *C. PEMCILLATUS* A. Richard, Tout. flor. Abyss. II. 74. — Caulis herbaceo volubili rarisimè striato (an siccatissimo?) piloso; foliis sat longe petiolatis oblongis acutis, basi sinuatis obtusis cordatis et subobtusatis, margine sinuato-dentatis, utrinque pilosis; pedunculis folia aequantibus, apice 3-4-floris; floribus parvis pedicellatis; pedicellis apice sensim incrassatis puberulis, basi bracteis linearibus brevibus; sepalis obovatis obtusis, apice mucronatis pilosis; corolla campanulata, calyce duplo longiore, vix semiunciali quinquefida, laciniis linearibus acutis, apice fasciculo pilorum penicillatis; capsula globosa, apice breviter apiculata, glabra, calyce cincta; omnibus nigris lunatis et distanter tuberculatis. — Habitat in Abyssiniae provincia Tigre.
16. *C. SAGITTIFOLIUS* Schlecht, Linnaea XXI. 747. f — Suffruticosus volubilis multicaulis. Caulis teretiusculus tomentosus. Folia alterna longe petiolata oblonga, basi cordato-auriculata repando-undulata penninerviata, apice obtusa mucronata, utrinque albo-tomentosa; auriculae divergentes subobtusae, sinibus rotundatis. Petioli canaliculati tomentosi patentes, folium dimidium aequantes. Pedunculi axillares uniflori tomentosi petiolo longiores, folio paulo vel vix breviores, apice versus bracteolati, bracteofo subpalmulatae. Calyx perispermus iriserialis, sepala aequilonga, externa herbacea ovalia, apice truncata brevissime inaequalia, extus tomentosa, intus pubescentia late ovalia vel obovalia. Corolla campanulata - infundibuliformis alba quinqueloba, calyce triplo longior glabra, striis 5 linearibus viridibus pubescentibus in corollae lobos (dentes) oblongos productis. Genitalia inclusa. Stylus unus; stigma duo lineari-cylindrica elongata. Ovarium biloculare quadriovulatum. Capsula pilis appressis obsita. Semina globosa glabra alba maculate, hilo linearibus. — Crescit in Texas in pratis prope Neubraunfels.
17. *C. SINLIATUS* Schlecht I. c. 748. f — Volubilis herbaceus multicaulis. Caulis teretiusculus tomentosus ramosus. Folia oblonga sinuata, basi latiore sublobata cordato-auriculata obtusa mucronata, subius dense appressa pubescentia, supra sparse puberula, petiolo fere duplo longiori, lobi vel dentes ovato-oblongi obtusi mucronati, auriculae divergentes emarginato-bilobae. Pedunculi axillares uniflori tomentosi petiolo longiores, folio breviores, supra modum bracteolati, bracteofo pubescentes oblongo-linearibus. Calyx perispermus, sepala aequilonga, corolla dimidio breviora, externa ovalia herbacea tomentosa, apice late emarginata mucronata, interna acutiuscula. Corolla campanulata - infundibuliformis alba, striis 5 viridibus longiludinaliter instructa. Genitalia inclusa. Stylus unus; stigma duo lineari-cylindrica divergentia. Stamina stylum aequantia. Ovarium biloculare quadriovulatum. Capsula biloculari disperma subglobosa vix puberula. Semina iriangularia.

nigra glabrâ transverse reticulata - rugosa (venosa) — Crescit in Texada prope Neubrunfels.

III. fi. AFFINIS Scheele I c. 749. f — Volubilis herbaceus. Caules teretiusculi cinereo-lenticatosi ramosi. Folia longo petiolo ovato-oblonga, basi cordato-nerviata sinuato-impanda, apice rotundata mucronulata, utrinque serrata. Petiolo longiora, auriculae divergentes angulatae. Pedunculi axillares unilobati lanceolati. Calyx pentasepalus vel superantibus, a pice bicoloribus, bracteis linearibus lanceolatis. Corolla campanulata rosacea - alba, striis 5 pubescentibus longitudinalibus instructa. Genitalia inclusa. Stylus nunc clavatus - incrassatus. Stigma 2 late linearia. Ovarium biloculare quadriloculare. Capsula . . . ? — Crescit in Texada prope Neubrunfels.

t *Leonea addendae.*

(**GLOMERATUS** Choisy in DC. I. c. 401. no. 14. — Wight. Icon, plant. Ind. orient. IV tab. 1306.

C. MICROPHYLLUS Sieber. — Choisy in DC. I. c. 402. no. 20. — Wight. I. c. tab. 1367.

C. RHYNCHOLYPTERIS Uoelch. — Choisy in DC. I. c. 405. no. 40. — Wight. I. c. tab. 1368.

C. HETEROPHYLLUS Choisy in DC. I. c. 408. no. 57. — Wight. I. c. tab. 1365.

XXI. POJILIERIA *ft. Br.*

(Choisy in DC. Prodr. IX. 432.)

I. P. LONGIFOLIA Lindl. in Mitchell, Journal of tropical Australia pap. 398. adnot. — *Recepta*: foliis sericeo - nerviatis linearibus lanceolatis auriculatis; pedunculis unifloris, foliis multo brevioribus. — Crescit in Australia orientali tropica.

XXII. CALYSTEGIA *n. Br.*

(Choisy in DC. Prodr. IX. 433. — Wight. Repert. VI. 541. tab. 744.)

1. C. SAGITTATA Turcz. Bulletin de la soc. imp. des natur. de Moscou XXII. p. 356. — Tota praeter pedunculos petiolosque glabra; caule tetragono volubili; foliis profunde sagittatis, auriculis dimidiatae diametri longitudinalis foliorum nequantibus vel superantibus divaricatis; pedunculis petiolisquibus pilis adpressis vestitis, illis longioribus; bracteis sepalisque puberulis acuminatis, bisce brevioribus. * Ovaria subunilocularia, septo nempe incompleto, lacinia apicem nee latorum ovarii attingente. Stigmata complanata oblonga Sepala subaequalia. Flores speciosi (purpurei). — Habitat in America boreali.

XXIII. SHUTERIA *Cf. Wislizeni.*

(Choisy in DC. Prodr. IX. 435, Annal. I. 522.)

1. *SH. BICOLOR Choisy in DC. I. c. no. 1 - Wight. I. c. — Van Houtte, Floro de l'Inde, IV. tab. 421.

XXV. F O R A I V A *liurm.*

(Choisy in DC. Prodr. IX. 43ti.)

- i. "P. RACEMUSA Rxb. — Cloisy iu DC. I. c. no. 3. — Wghl. Icon, plant. Ind. or. IV. lab. 1376.

XXVIII P R E V O S T E A *Choisy.*

(Choisy in DC. Prodr. IX. 437. — Wlprs. Report. VI. 512.)

1. PR. AFUCANA Iludi. in Hooker, Niger Flora 469. f lab. 46. — Folii* oblongis longe acuminalis, bnsi cunealis rigide mciubranaceis, supra glahns; pedicellis unifloris in uxillis conferlis; corolla scalum extern um duplo excodcnlc. — *Cudonanthus Africant* G. Don, Card. Diet. IV. 166. — *C. alternifolia* Planch, in Hook. Icon. plan. I. 7%. — Wlprs. Annl. I. 522. no. 1. — Grescilfn Sierra Leone.
2. 'PR. SERICEA Choisy in DC. I. c. 438. no. 4. — Vricse, Nederl. kruidk. Aicli. 1848 I p. 150. f — *Duf'ourua aurca* Spltgrbr. mss.

XXIX. B R E W E R I A *It. lir.*

(Until, in DC. Prodr. IX. 438.1

1. bit. SKCUNDA Diuh. in Hooker, Niger Floru 470. f — Volubilis: foliis ovaio-lanccolntis oblongisve ncuminalis rulusisvo suhuoriacois, supra glahris vel parco pilosis, sublus ferrugineo - villosis; cymis densis nullifloris axillaribus pedunculalis vel nd iipices ramorum subscsilibus eonferlis; scpalis aculis rufo - soricois, corolla pilosa dimidio bre'vioribus; capsula giobosa apice puberula; scminibus glabris. — *Ipomoea seenndu* G. Don, Gard. Diet. IV. 282, — Cicscil in Sierra Leone.
- *. DR. OXYCARPA llochst. mss. in-A. Rich. Tent. flor. Abjss. II. 76. — Caulc sullrutescentle; ruinis \irgalis lerclibus hirtellis; foliis subsessilibus pnrvulis elliplicis, npice basique oblusis, apice inucronulalis, uinnque pilis raris'conspersiu; pedunculis axillaribus sulilariis, folio longionbus gracilibus; scpalis obovalibus, apice aculis, externe pilosiusculis; capsula ovoideo-depressa ap'culata cl' apice setosa. — Habitat in collib'us prope Adeganna in provincia Me da Abyssinia.

XXXII § £ D D E R A *Hochst.*

(Choisy in DC. Prodr. IX. 440. — Wlprs. Report. VI. 542.y

1. * S. EVOLVILLOIDKS Wght. Icon, planl. Ind. or. IV. lab. 1369. — *Brcwena cvohuloides* Cloisy in DC. I. c. 439. no. 11.

XXXMI fIVOLFVUUS *Linn.*

(Choisy in DC. Prodr. IX. 441. — Wlprs^Report. VI. 542.)

1. Fl. PUDICUS Hanec, Diagn. pi. nov. Austro-Chin. iocd. I. p. 5. — Suft'ruticosus, senceo-villosus lores elongatus, decumbens vel erectus: foliis ovatis vel ovato-lanccolalis • oblusis cum acuminc vel acutis, brevissime peiolait, utrinque dense pubescentibus ; pedunculis 1—3-floris axillaribus folia duplo — in'plo vel dimidio lantunrsuperanlibus, medio braclenirs inflexis; braclcis % lanccolalis miuimis; scpalis ovato - lanceolatis villosis: corolla rotalo -subcampanuhila pallide lilacinn, in dinin. 4 lin.; capsulis sphau-

- lieu - lolrnonis glaberrimis. — In graminosis ms. Hongkong. (*E. modestus* Hance in ins*, nee Mart.)
2. *E. FUFTÁCISSIMUS* Hochst. mss. in A. Richard, Tent. flor. Abyss. II. 75. — Annuus, pilis fulvis scioso-hirsutis: cnulo o basi ramose; rumis arreclis gracilibus; foliis-brevisimo peliolalis cliptico - oblongis obtusis mucronulalis, basi rotundalis aul sen si m angustalis; pedunculis viz folia aequunlibus, rarius superanibus, apice subbifloris; floio altero uboriivo: bractoolis linearibus; sepalis linenri - lunceolati? acutis setosis; cnpsula globosa minima, calyce breviora cincta. — *Convolvulus fugacissimus* Hochst. mss. — Habitat in Abyssinia aronosis regni TigVc.
3. *E. NATALRNSIS* Somlor, Linnaca XXIII. 80. f — Suffruticosus: ramulis hirsutis, pilis long-is patnlis; foliis pctiolatis oblongis vel ottovato-oblongis obtusis apiculatis, utrin-(MH villosis, supra ilcmuin glabris; pedunculis elongnlis (lifformibus subnulantibus* unilloiis; bracteis supalisque acuminatis villosis; corolla calycem aequante; capsula glabri. — Crescit ad Port Natal.
4. **E. runPUHEO-COEUULKUS* Hook. — V^lprs. Ilcpeit. VI. 542. no. 1. — Paxlon, Mngaz. ol bot. XV. 171 c. ic.

Tribus III. *DICHLONDhEAE* Choisy in DC. 1. c. 451.

JVEPHIOPHYIUM [A. Rich,

(A. Illici. Tent. flor. Abyss. II. 77. — Genus indscriptum.)

- J. *N. AIYSSIMCUM* A. Richard I. c. 77. f — Planlula ropens Imniifusa: caule gracili ramoso toroti, ramulis vix pubcnlibus replantc; foliis alternis pctiolatis reniformibus obtusissimis, lalioribus qum longis, apice subemar^ioatis, margine integris, seuiunciam lalis glabris, peliolo pollicari basi amplexicauli; radiculis ad basin singulorum ibliorum r a mo sis; floribus axjllaribus solitariis, brevissime pedicellatis; bracteis binis oblusis ad basin pedicelli eumque aequanlibus; calyce minimo marginal! tenuissimo cupulaciformi dentato; corolla campanulata apice qumquofda; slaminibus inclusis; ovnrio libero uniloculari stlo simplicis; sigmnc incgro minimo icriminali; capsula ovoideo-compressa tenuissima raonosperma. — *Ilygrocharis Abyssinica* Hochst. mss. — Ilaliiat in locis humidis Abyssinia prope Adoua.

Tribus IV. *CUSCUTEAE* Choisy in DC.]. c. 452.

XXXVIII CUSCUTA Tournef.

(Choisy in DC. Prodr. IX. 452. fit 565. — Wlprs. Repert. VI. 543. ft *Hi*, Annal. I. 522.)

§. 1. *Stigmata linearia.*

- i. *C. ADYSSINICA* A. Richard, Tent. Hor. Abyss. II. 78. — Caule gracili ramoso; capitulis globosis sessilibus multifloris; floribus sessilibus confortis; calyce CDM'panulato 5-panito, laciniis ovcli - oblo^is acutis; corolla campanulatn v4i calyce longioro nlie 5-flidu, laciniis angustis acutissimis; siaminibus subexserlis, filamentis capillaribus, amheris subgloboso - didymis minimis; sligmatibus subulatis obtusis inclusis. — Habitat parasitica in (*Lanlana*?) familia VerbenacSarura, in locis bumidis convallis *Qu\H* Tacazzo Abjssinia.
- ii. *C. BREVISTYLA* A. Braun mas. in*A. Richard I.'cir. p. 79. — Caule filiformi ramoso; floribus albis dense capitatis; capitulis numerosis approximatis multifloris; calyce cam-

panulato 5-portito; corolla calyce longiore urceolata, tubo globoso, limbo 5-fido, laciniis nentis; staminibus incliis; onllieris globosis inimis; filamentis subulatis; stjlis subulatis ohlusis inclusis. — Habitat in montosis Abyssintee prope Axum.

3. C. DRACHYSTYLA C. Koch, Linnæa XXII. 747. f — Caules filiformes rainosi flavescentos; capiiula sessilia, 8—12-flora, floribus subrsilibus; calyx campanulatus 4—5-fldus, laciniis ovatis oblusiusculis, demum corollin dimidiam superanlibus; corolla urceolata, limbo 4—5-lobo, tubum ex longilurline aequante, lobi erccli ovaii obiususculi; stamina vix lobos attingentia; squamæ oblongæ erectæ; styli bini, vix lineam longi inclusi. — Crescit parasiiin in Umbelliferis in Armeniae prov. Eriwan.
- VC. SUBUNIFLORA C. Koch 1. cit. 748. f — Caules tenuissimi niiformes; flores 1—3 sessiles, bractea ovato-lanceolata sublongiori fulti; calyx quinquelobus, lobis oblongis obtusis, corolla paene duplo brevioribus; lacinae corollne globosæ oblongæ obtusæ crenatæ, denique conniventes; stylus apice paululum incrassatus. — Crescit parasitica in *Verbascum sphenandroidi* C. Koch. — Habitat in Asia minore.
5. C. NEUROPETALA Engelm. ex Choisy in DC. 1. c. 461. no. 48. 7. *lilloralis* Engelm. Host. Journ. V. pag. 223. f — Gymis paniculatis; floribus majoribus pedunculatis; tubo corollæ late campanulato, calycis segmenta late ovata acutiuscula subcarinata et lacinas limbi cncrvias oyntas abrupte acuminatas crenulatas patentes subaequante; squamis tubum subaequantibus. — Habitat in Tcxade.
6. C. CUSPIDATA Engelm. I. cit. p. 224. f — (Wlprs. Reprt. VI. 744. no. 5.) — Caylo filii- for mi ramosissimo; floribus pedunculatis in cymas laxas bracteosas dispositis C-fldis; tubo corollæ cylindrico sepala usque ad basin libera* ovata concava (exteriora cuspidata) et lacinas limbi ovatas acutiusculas uninervias erectas sou palentes supèraite; staminibus limbo brevioribus; squamis ovatis flmbrintis tubum subaequantibus; styli filiformibus ovario (minute) globoso pluries longioribus; capsula globosa corolla niarcescente oblecta. — In Chile.
 var. a. *pratensis*: floribus minoribus; calyce bracteis paucis involucrato; tubo corollæ subcylindrico cajycis et corollæ segmentibus paulo longiore; staminibus limbi laciniis ovatis aculiusculis duplo brevioribus; stjlis ovarium parvum duplo superantibus. — Habitat in Chile.
 var. p. *humida*: floribus majoribus; calyce bracteis pluribus involucrato; tubo corollæ infundibuliformi cahcis et corollæ segmenta duplo superante; staminibus laciniis limbi lanceolalis ocutis paulo brevioribus; styli ovarium minutum quater superantibus. — Habitat in Chile.
7. G. ROSTRATA Shiyilew. mss. ex Engelm. 1. cit. pag. 225. adn. — (Wlprs. Ropert. VI. 745. no. 9.) — Caule ramoso; floribus pedunculatis cymoso-umbellatia 5-partitis; tubo corollæ globoso-campanulato, calycis segmenta ovata oblusa leviter crenulata et lacinas limbi ovatas obtusas patentes (demum reflexas) duplo superante; staminibus limbum subaequantibus; squamis flmbriatis (convergentibus?) basi inter se connatis; stjli filiformibus ovarium stylopodio ojusdem iongiitudinis coronatum pyriforme subaequantibus; corolla murcescente ad basin capsulæ (maximæ) acutata persistente, — Habitat in Alleghany montibus in Carolina australi.
8. C. REMOTIFLORA Derloel. in Schlichtdl. Bot. Zeit. IX. p. 919. — Caule crassiusculo iai- plexo; glomerulis paucifloris remolis; bracteis segmentisque calycinis subrotundis obiusis- • simis; corollis calyce longioribus, laciniis ovatis obtusiusculis; staminibus squamis IIIIN - briatis; styli inclusis, stigma liberius simplicibus. — Habitat in America boreali (Alabama),

§. 2. *Stigmata globoso-capitata.*

9. C. SCHIRAZIANA Boiss. Diagn. plant. orient. nov. XL p. 86. — Caulibus capillacis, floribus capitato-glomeratis, glomerulis mediocribus sessilibus; flore singulo sessili; calyce ad ^U usque in lacinulas ovatas obtusas partito; corolla alba urceolata, calyce vix longiori, lobis obtusiusculis; staminibus faucem attingentibus, antheris flavis ob-

- longis; squamis ovatis oblusis denticulatis, -corolla triplo brevioribus; stylis a basi ilivorgeniibis arcuatis, obscuro in stigma iucralsalis. — Crescit in collibus prope Scilrnx el Dalcchi hi Echinop, Pegano etc.
10. *C. PALAKSTINA* Boiss. 1. cit. p. 86. — Caulitus capillaccis rubellis; floribus capitato-glomeratis, glomerulis mediocribus sessilibus; flore singulò sessili; calycis cornosuli lobis iriangulari-obtusis, doiso costato-incrassatis; corollae calyce vix longioris lobis brevibus ovnlis obtusis; anlicens Havis in fauce subscsnilibus subroiundis; squamis minimis rotundalis denticulatis; slyhs a basi divergenlibus, vix apice in stigmata incrassalis. — Crescit in l'nlaestina in *Polerw spmuso* parasilica.
11. *C. (Englmannia) CITIUCOLA* Schblildt., *Linnaea* XXII. f— Caules paululum validiores (jumm in *C. ICpilinum*, crobrc Horcnics. Flores corymboso-rncmosi (circ. 3—8 in in in u I o laloral); pedunculi ad linoao longiludincm excrecentes; bractcae ovato-lanceolalae acutiusculae, pedunculos inlerdum aequanics. Calyx lineam fere allus, iu lucinias quiquc hile clli]>licas oblusus profunde parlllus. Corolla catnpanulala, calyce sibi apprb-so duplo rrt.ijor, in lacinias fere ad dimidium divisa e-latiori basi sensffn ntlCMiinlas apice obtusiusculas, iloin ex tolo relloxas. Stamina crecta, corollae lacuiis aliquanlulum br<viuia; aullieris ovalibus acuiiusculis, diinidio lilaniento lero aequalibus. Squamae c media corolla egredicnles ejusquo sinus attingenics] fere obovaiae fimbriatae. Slyli duu, mine iiiac(lualus crecli, staminum fere longiludine, sligmaic capilaio semigloboso. Cajisula fere inatura calycein miriio superat subglobosa, apice inler sljlp's pers'itentes fovca satis profurula iusirucia glaudulisque (?) oblongis innatis Miperficialibus 0>icem versus inprimis adspersa, pauca (2—3) semina continet. — Crrhoil in sepibus insulac Sclae. Calbarinac]3rasihac *Cilri* rainis innascens.
12. *PULONKIUM* School*¹, *Limnaisa* XXI. 730. f— Gaulis capillaccus auranliacus ramosus. Umltcllac pcdiinlulalae paucillorao (3—5-florae), iiores pedicellati pentameri, pedicelli flore Jogiores pedunculuin aquatiles. Flos singulus brcMiis pedicellalus, inlerdum aliens, (^alyx 5-lililus nbbreviaiii*, laciniac laic ovalae oblusae laeves. Corollae lubus brevicainpanulatus, limbo suo ct calyce duplo longior, limbi lobi late ovali aculi paenios. Stamina exserla. Slyli duo erecti plci unique .ixscrti. Stigmata glpbosocupiaia. Ovarium bilocularc quadriovulalum. Capsula bilocularis disperma depressoglobosa, corolla residua tecia, slylis creclis coronata co^demque acquans. Semina atrofua.ica. Kmbryo spiralis. — Habitat in Texadc parasitica in *EyscnlianUis*.
13. *C. FIUTICUM* Uertolon. nibs, in Schblid. *Dot. Zing.* IX. 911). — Caule coilortuplicalo; glomcmli.s nullifloris numerosis, denso appioxinialis; bractcis segmentisque calycinis subroiundis oblusissimis ciliolalis; corollis calyce lungiuribus, laciniis ovQlis oblusis; squamis slaminum llmbriatis, stamina aquautibus brevioribusqic J sligmatibus capitatis. — Habitat in Alabama Americue boroalis.

f IconeM addenda©.

- C. ARABICA**Frescn. — Claisy *m* DC. 1. c. 453. no. (i. — Wghl. *Icon. pi. lud. or. lab.* 1371.
- C. CALIFORNIA* Cboisy in DC. 1. c. 457. no. 24.— Lindl. *Journ'. of the liorlic. soc.* HI. 167. c. ic.
- V.. *CHINKNSIS* Lam. — Claisy in DC. I. c. 457. no. 25. — Wgbl. *Icon. pi. Ind. or.* IV. tnb. 1373.
- C. UYALIMA* Rlli. — Cboisy ii^ DC. 1. 460. no. 41. - Wglu. 1. c. tab. 1372.

Ordo CLVI: BORRAGINEAE *j m* .

(DC. Prodr. IX. 466. *Qc* 565, X. 1. 8c 587. — Wlprs. Ropoil. VI. 553, Annul. I 523)

Tribus I, *CORDIEAE* DC. 1. c. IX. 467.

III. *CORBIA Plum.*

(DC. Prodr. IX. 471. — Wlprs. Report. VI. 553, Annal. I. 23.)

1. *C. FULVOSA* Wght. Icon, plant. Ind. or. IV. tab. 1380. — Rnmis glabris tcretibus, junionibus cum petiolis, pedunculis culycibusque maperlis brviter fulvo-pubescentibus; foliis peliolntis ovatis, utrinque obtusis, interdum suborbicularibus, integris vel repando-dentatis, glabris obseuns pilosulis, vel pubescentia pallide fulva tenu veslitis; corymbis lerminalibus uxillaribusque; floribus ad apices rumulorunrcongeslis; norum alahastris apice villosis obovaiis; coljce cmpanuluto irrcularlter 4—6-dentalo; corolla pro (untie 4—6-flda, lobis obovaiis cmarginalis glabris, tubo piloso; staminibus numero loborum corollmorum, filamenlis glabris, tubi corollini fauci in^crlis, anlheris magnis, loculis basi divancatis; ovario quaduloculari; sLigmatibus fliformibus; fructu immaturo calyce cupulilonni grossiflcalo cupulalo, opiculuio. — Habitat in India orientali.
2. *C. CAFFRA* Sonder, Linnaea XXIII. 81. f — Rnmis tcretibus glabris; foliis longe petiolatis ovatis acuminalis dentatis serratisve glabris, subtus pallidioribus, junioribus subtus lomenlosis; paniculis lateralibus terminalibusque corymbosis pedunculalis, folio brevionbus; floribus pedicellalis pohgamis calyce campanulas irregulariter 3—4-dentato, «intus glabro; corollae tubo calyci aequali, lobis oblongis reflexis; s(aminiibus exsertis; sligmalibus apice subdilalatis.— Pertinet ad sectionem *Sebestcnoides*.

(X. *Natalensis*: foliis serrato-dentatis; paniculae ramis glabris ereclis; floribus hermaphroditis; ovario ncutu, stylo bis biQdo. — *C. Natalvnsts* Sonder mss.

^ *Zeyheri*: foliis serrato-dentatis; paniculae ramis puberulis patentibus; iloribus masculis ovario obtuso; stylo nullo. — *C. Zeyhen* Sonder mss.

Y- *erosa*: foliisC eroso - dentatis; floribus masculis ovario obtuso; stylo nullo.— *C. crosa Sootier* mss. — In Promontorio bonao spci.

t **Icones addendae.**

- G. MYXA Linn. — DC. 1. c. 479. no. 3D. — Wght. Illustr. of Ind. bot. II. tab. 169.
 C. OBLIQUA Willd. — DC. I. c. no. 40. — Wght. Icon. pi. Ind. or. IV. lab. 1378.
 C PERROTTETII DC. I. c. 482. no. 57. — Wght. I. c. tab. 1381.
 C ROTHn Roem. ft Scb. - DC 1. c. 480. no. 45 - Wght. 1 c. lab 1379.

Tribus II. *EHRETIEAE* DC. 1. c. IX. 502.. V. *EHRETIA* Linn,

(DC. Prodr. IX. 502. — Wlprs. Report. VI. 554, Annal. I. 524.)

1. KH. OVALIFOLIA Wght. I. c. tab. 1383. — Subarborca glabra: foliis breviter petiolatis ovilibus, utrinque obusis vel subobovatis vel in acumen obtusum desinentibus, utrinque glabris; corymbis terminalibus axillaribusque dichotome ramosis circinnatis; floribus secundis breviter pedicellatis; calyce profunde quinquelobato pilosulo; corolla rotata, limbo reflexo; staminibus exsertis; stylo tubum corollae circiter aequante, vix exserto; drupis in aura pisum minus circiter aequante. — Habitat in India orientali (Coimbatore).
2. EL. (XERODERMA) CUNEATA Wght. I. c. tab. 1385. — Fruticosa: ramis teretibus glabris nigrescentibus glandulosis; foliis obovatis cuneatis retusis subsessilibus, utrinque glabris nitidisque, in primis coriaceis; floribus solitariis axillaribus, in apicem ramulorum brevium foliosorum subsessilibus; calyce quinquelobato, lobis ovato-lanceolatis, corollae tubum nonnatis glabris; corollae quinquelobae lobis ovatis obtusis; staminibus prope basin loborum corollae afixis vix exsertis; stylo filiformi, siliqua capitulo; fructu sicco icirca permo. — Habitat in India orientali.
3. EH. WIGHTIANA Wall. mss. in Wght. I. c. tab. 1381 — (DC. 1. c. 512. obsq. diagn.) — Fruticosa glabra: ramulis gracilibus glabris; foliis elliptico-obovatis subacuminatis, infra in petiolum longum gracilem attenuatis integerrimis, utrinque glabris; corymbis terminalibus compactis doliatis, ramis revolutis; floribus subsessilibus secundis; calyce quinquelobato quini corolla sulciformi multo brevior; staminibus exsertis; stylo tubum corollae aequante; nuculis (immaturis) inaequalitate forma Piperis. — Habitat in India orientali ad Courallum.

t Icones addendae.

EH. LAKVIS Rxb. — DC. 1. c. 505. no. 17. — Wght. I. c. tab. 1382.

EL. SERRATA Rxb. — DC. 1. c. 503. no. 1. — Wght. Illustr. of Ind. bot. II. tab. 170a.

VI. *HAEI-GAIVIA* Gaudich.

(DC. Prodr. X. 177. — Wlprs. Annal. I. 524.)

1. EL. LEHMANIANA Sonder in Lchm. Plant. Preiss. II. 238. f — Ramis canescentibus, pilis brevissimis ramosis; foliis ovalibus oblongisve acutis puberulis, demum glabratis margine serrato-dentatis; pedunculis axillaribus unifloris folio quadruplo brevioribus in colycis glabri laciniis acuminatis. — In Nova Hollandia meridionali, occidentali.

XI. *TOIRXEFORTIA* Linn.

(DC. Prodr. IX. 513. & 565. — Wlprs. Repert. VI. 555, Annal. I. 525.)

1. T. RETICOSA Wght. Icon. plant. Ind. or. IV. tab. 1386. — Fruticosa scandens: ramis teretibus foliisque infra pubescentia brevi adpressa vesiculis; foliis breviter peltatis ovato-lanceolatis acuminatis acutis, ad basin rotundatis, supra saturatis viridibus, infra pallidioribus elegantissimoque fusco-purpureo-reticulato-venulosis: pedunculis oppositis

liifoliis dichotomis, ramis divaricatis; spicis corymbosis circinnatis; calycis quinquepartiti lobis ovatis hispidis; corolla calycem 4—5-plo superanto pilosa obluso quinqueloba; siaminibus quin prope basin tubi corollini inserlis inclusa; fructibus. . . ? — Habitat in India orientali (Neilgherries).'

2. T. ALBA Splitgerb. mss. ex Vricse, Nederlandsch kruidk. Archief I. 317. f — Caulis fruticoso lerele scabro; foliis petiolatis ovali-oblongis* acuminatis inlegerrimis, supra osperis, subtus strigoso-pilosis; spicis terminalibus ramosissimis recurvis; corollis albis pilosis; fructibus glabris. — Crescit in Surinam ad flumen Saramaccan.
3. T. PSEUDO-HELIOTROPIUM Lelun. in E. Otto, Neue allgem. deutsch. Grtznng. VI. 456. — Suflruticosam ramosa: ramis tercibus flexuosis hirsutis; foliis alienis sessilibus lanceolatis valde undulatis penninerviis ciliatis, supra hirsutis et subcancrescentibus, subtus ad nervos hirsutis; pedunculis terminalibus, rarius etiam lateralibus 4—6-stachyis corymbosis; corollae tubo elongato calyce obluso duplo longiore pubescente, limbo obluso; fructu subgloboso glabro. * — Accipimus sub nomine *Tournefortiae heliotropioidis* Hook. Partia ignota.

f **Icon addenda.**

- * T. SYRINGAEFOLIA Vahl. — DC. I. c. 526. no. 67. - Miqu. Siirp. Surin. select. 137. f tab. 41.

Tribus III. HELIOTROPIEAE DC. 1. c. IX. 531.

XIII. HEJELIOTROPIJJE Touvnef.

(DC. Prodr. IX. 532. fit 565. — Wlprs. Reperl. VI. 656. Annal. I. 525.)

1. H. (*Catimas*) GRANDIFLORUM Aucher mss. in Boiss. Diagnos. plant. orient. nov. XI. p. 86. f — Tolum adpresso et molliter canescens. foliis ovalis obtusis longiusculo petiolatis, nervis subtus parum prominulis, iniensibus canis; calycis hirsuto-cani partitionibus lanceolato-linearibus corollae binae tubo calyce duplo longiori, supra partem antheriferam subbasilarem constricto, dein in limbum sensim dilatato, limbi laciniis triangularibus acutis, in praefloratione revoluzione marginum linearibus rectis conniventibus; antheris ad basin corollae fere inserlis; stylo subnullo; stigmatibus orbis disciformi glabriuscula longe conico-subulata, apice profunde bifido hirtulo; nuculis glabris tuberculatis. — Crescit in Armenia.
2. H. CIRCINNATUM Griseb. Flor. Rumcl. 78. ex Boiss. 1. c. '87. f — Tolum adpresso et molliter canescens: foliis ovalis acutiusculis breviter petiolatis, aervis subtus valde liminulis; calycis hirsuto-cani partitionibus oblongo-lanceolatis; corollae hirtae tubo calyce vix longiori jam ex apice partibus antheriferae in limbum ampliato, limbi partitionibus triangularibus, margine convolutis in caudas setaceas ante et post anthesin intus circumnuto-revolutas attenuatis; antheris fere ad basin corollae inserlis; stylo subnullo, stigmatibus e basi disciformi glabriuscula elongato-conico indiviso longe barbato; nuculis tuberculatis glabris. — Crescit in Mesopotamia prope Mossul.
3. H. BOVEI Boiss. 1. c. f — Annum, lolum pube molli densa velutinum griseum: caulibus ramosis, prostratis (?); foliis ovatis mucronulatis subsessilibus, superne linearibus, subtus prominulis-nervosis; spicis abbreviatis; floribus sessilibus remotiusculis; calycis partitionibus lanceolato-linearibus acutiusculis; corollas parvas tubulosas, intus adpresso pubescentis, intus glabrae tubo calyce subbreviori, limbi minuti erecti laciniis triangulari-lanceolatis acuminatis, margine superne convolutis, in praefloratione conniventibus, mucrone recurvo terminatis; sligmate subsessili e basi disciformi

.suhulnto-conico indiviso, superne pubescenti; nuculis ovnto-rolundis glabris lubor-
culaiis. — Crescit in Arabia felici.

4. II. (*Enhehulropium*) DISSITIFLORUM Boiss. 1. c. 88. f — Annum, loium sub lente pilis rigidis hrevissimis ndpressiusculis nlbis et c tuberculo onis glandulisquepellucidis intermixes subcinerascens scab rum: caulibus icrcleibus divaricatis ramosissimis; foliis parvis ovalis obtusis breviter peliolalis, sublus clevato-ucrvosis pallidioribus; spicis pumum scorpioideis, dcin clongalis di.ssitillons; lloibus sessilibus parvis; calycis glandulosi adpresseque hirli quiuqucpnrtili partilionibus lineari-lanceolalis obtusis; corollao albao tubo <ahci aequilongo, cxlus adpresse pubescenli, intus glabro, limbi paitionibus o\alo-rolundis obuisis, praefioratione quincuncialibus; antheris paululum sub medio tubo corollao insoilis, mucrone brevissimo obiuo inilexo tenninalis; stylo paiule et dense barbalo, sligmale shlo paululum longiori, o basi disciformi glabra ronico-subulato superne puberulo; nucibus ovalis lacviusculis glabris calyco superalis. — Crescit in Persia boreali prope Sonak in Lipidosis montis Elbrus.
- H II. ALMJMCLM Doiss. 1. c. p. 88. -f — Annum, totum sen's albis brevibus, basi tuberculosis dense strigilosum cano -grfscum: caule orculo pumilo a basi ramoso, ramis slricliusculis; foliis oblongis \el oblongo-linearibus aculiusculis, utriusque altcnualis, breviter peliolalis, facie superior! viridioribus minus setosis, inferior! snepe prominenter nervosis; spicis hrevibus lnxifloris lcrminalibus, itiferne bracteatis; mlycis parliiionibus iriangulan-lariceolaiis arutiusculis; corollae parvae fere lubulosae exlus sericeae, inlus glabrae lubo culsci vix longiori, limbo minimo nclslivatione quincuncialia, lobis subcrenato -denliculalis rotundaiis; antheris paulo supra basin corollae insertis, apice breviter mucronalis; shlo nullo, sligmatc c basi subdilata cylindrico-subulato, apice albo-penicillato, caclerum glabro; nuculis minimis ovatis tuberculatis glabris, calyce paulo superatis. — (Iri^cil in planitie data inter litora Syrine et urbem Aleppum sila.
- » H. BREVLIMISE Boiss. 1. tit. p. 89. f — Pcrenno suffruicscens, loium adpresse velutinum ennum: caulibus erectis subsimplicibus foliosis; foliis oblongis oblusiusculis in petiolum brevisimum aticnuaiis, pagina superiori vix lineatis, inferior! elevato-nervosis; spicis terminalibus scorpioideis brevibsiinis donsifloris; llnribus sessilibus; calycis parliiionibus lineari-lnncolatatis obuisis, exlerno dense albo-pilosis glandulosisque, interno adpresse hirtis; corollae dense et adpressissimo hirtae ciassiusculae lubo cnlyce paulo longiori, ima basj constricto, inlus glabro, limbi miuulissimi rubelli lobis ovaio-roiundis, aclslivatione quineuncialibus; antheris sub medio tubo insertis, apice vix mucronalis; stylo breviter hirlo, siigmaio stylo paulo longiori e basi disciformi conico pubescenti; ovrio glabro. — Crescit in Oricme, probabiliter in Persia australi.
7. MI. UNDULATUM Valil. — DC. 1. c. 536. no. 16.
vnr. *tuberculosis* Boiss. Diagn plant, orient, nov. Xt. p. 89. f — Fruticosum: caulibus rigidulis ramosissimis, ouinino pilis nlbis brevibus e tuberculo albo orlis scaberimo; folia parva, margine convoluta vermiculata; spicae fiorum valde abbreviatae; nuculae glabrae plerumque in fructum bipartibilem geminatum concretae. — *U. tuberculosis* Boiss. & Uohen. — Crescit in insula Korgo Persiae australis et in Persia australi.
8. II. CARDUCHORUM C. Koch, Linnaea XXII. 627. f — Caulis erectus ramosus, molliter et fere adpresse pilosus; folia oblonga aut ovata acutiuscula integerrima, adpresse pilosa, in paginae inferioris nervis albo-hirsuta petiolata; spicae conjugalae densiflorae, neutquam elongatae; laciniae calycinae lanceolatae, tubum corollinum pubescentem aequantes aut eo minores; stamina supra basin corollae inserta; stylus brevissimus glaberrimus, sed stigmale conico pubescente longiore coronatus; nuculae glabriusculae rugosae. — Crescit in Asia minore, in planilio Muach, prope Artwin.
9. H. COMMUTATUM C. Koch I. c. 627. f — Caulis erectus ramosus pubescens; folia pubescenti -soabro petiolata integerrima, oblonga aut ovata, inferiora oblusiusculi,

superiora acutiuscula; calycis lacinae lineares, plerumque villosae, tubum corollinarum villosum nequantes aut GO vix majores; stamina infra medium tubum inserta stigma stylo vix majus, basi latissima et subito attenuate instructim, caeterum linearia, ex apice quinquecostata; nuculae glabrae ruguloso-verrucosae. — Crescit in Chersoneso Taurico et prope Drussum.

f Icones addendae.

- II. COROMANDELIANUM Lehm. — DC. 1. c. 541. no. 39. — Wght. Icon. pi. Ind. or. IV. tab. 1388.
 II. HELOPHILUM Mart. — DC. 1. c. 544. no. 53. — Miqu. Stirp. Surinam, select. 136. f. tab. 40.
 II. LINIFOLIUM Lehm. — DC. 1. c. 547. no. 70. — Wght. I. c. tab. 1391
 H. MAMFOLIUM Betz — DC. 1. c. 547. no. 66. — Wght. I. c. tab. 1390.
 II. HOTTLERI Lehm. — DC. 1. c. 549. no. 83. — Wght. I. c. tab. 1392.
 H. SCABRUM ReU. — (ubi?) — Wglit. 1. c. tab. 1389.
 H. SUPINUM Linn. — DC. 1. c. 533. no. 4. — Wght. I. c. tab. 1387.

XIV. HEMOPHYTUUM DC.

(DC. Prodr. IX. 551.)

1. II. (TIARIDIUM L'Hermin.) INDICUM DC. 1. c. 556. no. 21. — Wght. Illustr. of Ind. bot. II. tab. 170. D.

' Tribus IV. BORRAGEAE DC. 1. c. X. p. 1.

Subtribus II. ECHIEAE DC. J. c. p. 4.

XXI. ECHIUM Buck.

(DC. Prodr. X. 13. & 587. — Wght. s. Annl. I. 525.)

1. E. PLANTAGINEUM L. — DC. Prodr. X. 2?. no. 43. — Moris, Atti della oltava riunione etc. 564. — Hirsutum: pilis caulinis omnibus ascendentibus patentibusque; foliis inferioribus ovatis oblongisve, subulis ad litora egregie parallelinerviis, superioribus floralibusque cordato-lanceolatis; corollis amplis calycem triplo — quadruplo superantibus; staminibus paucis pluribusve (saepissime) sparsim villigeris, longioribus limbi lobos superiores subaequantibus; antheris oblongis. — *E. planlaginifolium* L. Herb. — *E. violaceum* DC. 1. c. (ex p.) — *E. grandiflorum* DC. 1. c. — *E. Creticum* DC. 1. c. — *E. macranthum* Viv. — In regionibus Mediterraneis.
2. E. CRETICUM L. — DC. 1. c. 22. no. 41. — Moris 1. c. — Setoso-hispidum, pilisque minimis deflexis inter setas ciliis patentibus pungentibus obsitum: foliis inferioribus oblongis oblongo-lanceolatis, ad latera subtus conspicue parallelinerviis, superioribus lanceolatis; corollis magnis, calycem triplo — quadruplo superantibus; staminibus sparsim villigeris, longioribus corollinos lobos superiores mediosve subaequantibus; micularum tuberculis apice glanduliferis. — *E. grandiflorum* Desf. (nec DC.) — *E. australe* L. — *E. violaceum* DC. 1. c. (ex p.) — Habitat per totam Graeciam.

- J E MARIANUM Duiss. Dngn plant orient nov XI p 90 -f — Perennc, tolum molli-
 tci SLIICCO-MIIOSUIII cano-gnsoum caulibus dense foliosis, folus sessilibus oblongo-
 lanceohiis acummitis, uinnquo ad neivos tenuos vix prommulos albo - linoatis, supo-
 rjonbus ml bnsn pnmcuao sonsim angustaiis, panicula s)iciformi ovnto-cjlmduca
 densa, btactcib ciljtes vix neqmniibui, calvus adpiosse albo - tomcnlosi qumquepar-
 tilLi humi* Imtcohiiii acuiis, corolh totrulcn vix incgulaji, supcrnc breviler, ad ner-
 v<> longiu* siugulosa, stamimbiis excscitis coiolln duplo longioribus, st)lo stamina
 Mibiupti ml) ad V₄ longiutlinis luisuto, ipn o lon^m^iule billdo — *E. fastunsum* DC
 — *L cundittins* l)(1 c 17 no 21 — (ICMII in fuitibus moilLi^ Sieira Moiena
- 4 L PAVONIVNUM Hoiss I c 91 + — PCPIIDO ciulibus den&o foliosn densis<umo ot
 biovitci CIMK o-onis, folus lancrolalo-linoaribus in pclioluin brevitor allenuntis acu-
 IH, duplici mdumciKo, allcio biovissimo Ionic porspiuio, nllcio c pills lubciCulatls
 con^l inn (>lisiii<, ndpiLsse IISUIH, niaigmc ciliatis, pigina infcnon pnllidionbus, folus
 i,uprcmi> jd pinitiil ii bitin lineanbus biovissimii, omnium ncivis prominuhs, pani-
 < ula o\nti ^picicfoiiiiii lumstuh, spins pr dicoll.His, calycis quinquepailili adresse
 bull palhii umilJb In nns* liuciiibus (i.issiuustulis oblusis, ad neivos sparsim lubcr-
 culjio-stiigOM<>, coiolli c SICLO < nix a, cilycc duplo long-oi i, kb>> rolundatis vjt in-
 ctci[Uiilibus pnnc ol ^ilprtssi Imli-., sliinimbus toiolia duplo lonjiordms, siylo stft-
 inini suppianli loii,(billdo ullin y₄ longiliidiuis biisuLo — *L fastuoium* DC (ox p)
 — Cioscil in Hispaium pi ope Alde^ucla (I xtremadur \')
- 5 T LI I CANS Lebm — DC I c 1<> no 31
- P iicuna Uoi>b &. lloidi 1 c p 93 + — Tot um et donsius socus caules pubc
 dupliti, iluia bnvis^iina donsi, aluia o pihs albis rlonguis constanli adpicsbissime
 cineicuiii foliia maigmc Mibumluhlis (loialibus ab)icviatis>, cnlycis adprossc enm ab-
 brovi ill Idumis oblusioubus — CII bcit in aitnobis maiilimis (Irine nd Cjdoniom
 cum lot m i genuina
- 6 I MA)MI IATUM Eon - 1)U t 21 no 51 — Ooiss U M - (iienno pallido
 virens folus infcnonbus Ianccolalis vel I uiceolato - lineanbus in pctiolum longe atl-
 nuatis obliHiusculis, ndpicso et lenuiler sclosis, sous subnequalibus tuberculatis,
 caulo tectiusculo simplicissimo, sens longis patulis pubc brexissima inicnnixla hispido,
 in spicam longissirnam icnuem, basi inieiiuplQin abtunti, loins caulinis lloialibusquo
 basi vix dilaiatis longo acuminalis, Inscu spiculab subscsilL* secundi^ biovissima^
 glomerulifoimes long* supeianiibu*, biaclcis angusu lineanbus inordmatim setoso-
 stngosi<>, cnlycis lacinus adpioisso donsn tl ac(lualilci <ilbo -stlosis, tubo coiollae c
 caljtc biovitci exseilo, luulto vix lon^ion, mtus m ot flhincnta glnberiiimo — *H
 cloTujalum* Lam — (icstil in Pihtsiina cl in S^ua
- 7 L POMPOMUM Boivs \oy bot en Lsp lab 124 8: Diagn pi nov ouCnt XI 93 f —
 Uicnno cano-gnseum loins inienoiibus lanceolalis acuiis, basi bio\ilei altenuaus,
 adproso et donsc sclosis, ciule sulcato simplici, lauus basi lamuloso, setis spnrns
 albidis pubeque bicvion intcimixta slngoso, in spicam lon^am, niferne interruptnm
 ciassam jam fero a basi ipsa abound, (olns ciulirns lloialibusque basi dilatalis sub-
 roidalis, bisco spiculas scoipioukas subelongatas non acquaintibus, braceis tnanguia-
 iidus acuiis, facie brCMter pubcrulis margine regulantoi ciliaio - pectinatis; calycis
 Incmlis pubc duplici, alura biCM adpressa, alicia sells ad margines pectinatun, ad
 neivos sparsim dispositis const inn obsius corolho lubo c calico brevitor exserto,
 limbo longioii intus^ad basin llhinciiiloniin luiloruin bn^uto — *L glomeialum* Boiss
 — *E Lagascac* Roiss — *I Doissieu* Hon< — / *albitnns* Sclioit — Cicscit in His-
 pama nuslrals, in Afnci borcali id Ttngidcm cl Al_nenam
- l< L POLYCAULON Doiss 1 c 92 f — Puenne ^indc, lotum pills bievibus aluidis, e
 tuberculo albido ortis siugulosuin folus tadicalibus magnfs losulniis lanccolato-1/nea-
 iibus, caulibus numerosis gimplicissimis ascendenlibus, inferne nngulatis foliosis, su-
 porne longe pjramidaio-spicaais, folus caulinis a basi sublaaiori nuicuiata lanceolato-

linearibus ocutissimis, sensim diminutis; spiculis brevibus subscorpioideis breviter pedunculatis, folio forni lanceolato vel linear), in inferioribus flores acunnti, in superioribus eis breviori suffluisj in spicam non interruptam longam tenuem, basi vix latiore app'roximatis; calycis infra medium usque quinquepartiti, interne glabriusculi laciniis innecolais acutis, superne rigide ad nervos <H marginom strlgoso-ciliniis; corollae parvae tubo glabro, calyci aequilongo, limbo intonso violaceo, extus adpresse sericeo, tubo aequilongo, laciniis rotundatis subnequilongis; staminibus glabris, corolla duplo longioribus subnequilongis; antheris violaceis subrotundis; stylo stamina superanti apice bifido, a basi infra medium hirtello; nuculis minimis imbricatis, tuberculis acutis. — *E. Lusitanicum* DC. I. c. 30. no. 34. (HOC ulior). — Habitat in Lusitaniae provincia Estramadura inlor Tornobacas ft: Cabzuola.

9. *£. LINEARIFOLIUM* C. Koch, *Linnaea* XXII. 629. f — Caulis erectus toioso - hispidus ramosus; folia radicalia elongata lineari - oblanceolata, in petiolum attenuata hispidissima, caulina elliptica sessilibus, pilis hispidis, tuberculis insidentibus obsila; floralia unearia multilobata, calyce sublongiora; spicae in axillis solitariae; corolla extus pubescens (violacea aut coccinea), calyce plus duplo longior; stylus et stamina longe exserta; stigma bipartitum. — *E. papillosum* C. Koch I. c. XVIII. 307. — Crescit in Asia minore In distr. Daratschischak.
10. *E. HYPERTROPICUM* U. Webb mss. in Hook. *Niger Flora* p. 155. — Caulis fruticosus; ramis robustis fuscis, cinctis foliorum natis; ramulis pilis strigosis appressis cineris; foliis ovato-lanceolatis, basi attenuatis sessilibus, utrinque pilis crebris brevibus tenues oppressis et bullis plano prodeuntibus strigosis-incanis, nervis prominentibus, margine planis ciliatis; panicula thyrsoides ramosa; bracteis oblongis subfalcatis, calycis longitudine cinereo - hirsutis, apice strigosis; floribus carnis vel albidis; calycis tubo brevissimo, laciniis quatuor linearilanceolatis, quinque lanceolatis; corolla calyce subduplo longiora campanulata, vix incurva, lobis pilosiuscula, tubo crasso, [lobis ovato-lanceolatis natis, lacina inflata minore; staminibus exsertis subincurvis glabris purpureis (0; stylis) leviter piloso. — Crescit in insulis ad Cap verd.

Subtribus III. *ANCHUSEAE* DC. I. c. X. 27.

XXIV. *HTOHmrEA* Medik.

(DC. *Prodr.* X. *Tt.* — *Wlprs. Rcpnk.* VI. 558.)

1. *N. (Orthoaryum) REUTERIANA* Doiss. *Diagnos. plant. orient. nov.* XF. p. 95. f — Annuua, pilis inaequalibus, basi tuberculosis ininulis asperula, viscidula: caulibus erectiusculis; foliis sessilibus obsolete denliculatis, inferioribus elliptico-linearibus obusis, basi rotundatis, superioribus o basi latiori semian\ilc\icauli ovatis acutis, floralibus calyces parum superantibus; racemis laxis bilobis-, calycibus fructiferis breviter pedunculatis parentibus inflatis breviter ovatis, fere ad medium usque quinquefidis, denlibus lanceolatis acutis; corollae fere tubulosae tubo flavido calyce breviori, limbo brevissimo atro-violeaceo erecto, denies calycis parum superanti, lobis rotundatis; fornicibus subindistinctis, ad faucem circum barbatum supra antheras formantibus; nuculis reclis apice subcurvalis, basi subarigustatis", utrinque angulato-carinatis laevibus, imbricatis, parce puberulis. — *JV. mgricans* Hon. *Genev.* — Habitat ?
2. *N. AURICULATA* fioiss. I c. 95. — Perennis: caule erecto sulcato fohoso, parte florali tanium ramuloso, breviter glanduloso-pubescenti papillis albis intermixtis; foliis

utnque bievjcti ft: adpessc molliusculis, papillis crassionbiia hiuc mdc inteimixtis, i ulicilibus oblongo - o\ ilis acuis in pctiolum longissimum atenuatjs caulims oblong\ s \cl oblongo-Innceohlis icutis se&silibus, pouTo supia b ism utnque rotundato-
 autit itam Mibinguttitis, llomlibus breviler en illis icuiioubus, basi lotundilis, flo-
 ribus in pumuhm tci nimmN ni conn lcinui disposals, cnljcc adpessc vclulino glnd-
 dulos, ad tciinin parlom acute 5-loho, post anthesm inlltiLo nulnntc, corollae viola-
 c(ac glabiac lubo calyci acquiloi^o, limbi tulto dupio brevious lobis lOlundalis,
 squ imis biibati? bicMssmus o\ illis, od amberlrum nlliudmcm cum eis alternanlibus,
 sligntato en pi mo, micibus o\ niis recti* ilmi>> hcubus lairre intenou cannaais pi-
 lose, mil gnu l)T>ihn ingusiu Inovissimo - *J'ulmmimm ojjionahs* var *molUt* fioiss
 a Jaub — Habitat in Mcssrni i pi ope Phigrlaom

- 1 N (*lyjitanthia*) PIILISFAI A Doiss I cit p 9b — Annu, tota hrcvissime pubescenli-
 MSCKI i, prictoK i(luo sclii spni^is bre\ibu^> iigidis e tuberculo ois nd caules ct folio-
 niin mirgius copiusioubit nspeia Ciuilibus piocumbenlibus umosis, folns scssili-
 bus mugis vel olisoldti rop nulls witdioubus laicrohlo -Inn aiibus, mfernc ollenua-
 li> <upillOM)HI> ovilo-subiotiindi< brtv^> dccunentibus acuis, floialibus calyces
 tiipcratitibus .ntuniinalii., Idcmis iibluuvi ms d< nsiusculis 2—3-fldis, cjllycc subsos^ilf,
 liuctifcio ciccto - patnti bicviici ovilo, ad Urliam pailcm usque in lacunas liangu-
 IIMS jculas flsso, nuculis tiansvoise ovitis depressi*, marginu basilan vix dnciassato
 icutis, rne plicnto donatis aicohtis sub lcnlc cximic punctulalis obsoletissimeque pu-
 bcrulis, coiolhc pollidc auianliacac luho talyccin acquanti, limbo mediocn ciccto-
 paluln , fmriicibus nullis nmmfestis , fauce t>upia anlltcras cuculo barbato ciucla —
 (i LS it in Palacislina cuca Gazn
- 4 N MI LA>OfAHI^A Uoiss I tit p % — Annu, tola sellis albis lubeiculalis inacqua-
 lihous, aliis iniiiiimib adpessis alus mojoulus spaisis od murines foliorum cl <^ulos
 < opiosioubu>> slngo^J cauibus piocuuibenlibus i imo&is , folns inlcgns, nifcioribus
 ob>longo-JmiLCol ilib obtubib b isi lon^e altenualis , catlm*. clliplus vel oblongis,
 biisi laiion subcordalis floinlibus calyces supcianlibub atummaiM, racemis laxius-
 culis snnplieibus vel bifldis, caljcibus iuclifens deftexis campanulnlis, mfia tcilian
 paitcin in lacimas Innccolatas acutas (lsbis, corollae pallido \iolaccao tubo calycem
 superanti, limbi minuti erecto-paluh lobis lotundatis, formcibus biCMssinns, circulum
 biirbaum ad faucem supia antlieras foimantibus, nuculis atus tians\crsc oblongis
 dupio longionbus quam alus albo-pubooulis aicolatis, uigis pai um proinmuhs, margme
 ba8ilan plicatulo non incensato — Cicscit circa Ilicrosolyma
- 5 N LUPHRATICA Doiss 1 c png 97 -f — Peicnms flavida, tola pilis adpessis, alus
 brevissumis viscidis, Wns longioibus e lubciculo uius busuia caulibus humilibus fo-
 liosis, folus ohlon^o-lanctolatis aculi^, tadicalibus bievitci in pctiolum attenuate, cau-
 limt> s>eminmple\caulibus, pamcula valde coutiacta, cnlyce obconico ad lerliam par-
 tem qumqutlido, lobis ttiang'ulalibus acutis, post anthesin deJlexo inflato, coiolloa
 Intone tubo calycem acquaint iimln tubo MX breMOib lobis o^alls, squamis supia an-
 tlieras ad fiuccm &iln> lon, isbime cl cnspc flavido-baibaiu., nucibus jumonbus pube-
 IUIS — Cicscit in Armenia in pi alts ad b upbratem
- 6 Is MACROSPERMA Doiss & Hcdr in Boiss 1 c p 97 f — Perennis radice crassa
 verlicali, caule erecto a basi patule lamosissimo, ramorum decurrentia angulnto-com-
 presso, pubc bre\i subviscida retroisum adpiessiuscula obsilo, folus radicalibus ro-
 sulalis oblongo-linccolais, uimque aitenun.itis peuolati^, caulnn^ lancccolaus sessilibuj,
 biisi subaniplexicanlibus, i.inus subdecurionlibus, omnibus duplici pube, allera bre-
 vissum visculun allera e pilis albi* Hindis lemubus e tubciculo orlis retrorsum fld-
 pi<9sjs constanto vilde scabuda, in patina supenon copiosiou obsilis, pube viscidula
 in pane supenon plantar prievalenli, rimi^ dichoiomis, fionbus in racemos elongatos
 1/musculos dispositis, biacteis Janceo.Jais caljccs aequantibus, ca4\ce dense el viscidc
 hirsuio ultra leniom paitein 5-Qdo, lobis Innceolais acuis, post anthesin valde accreto
 inflato nutanti, coiolloae luteao tubo calycc paulo longiou, limbi minulissiini lobis rp-

lundatis; squami9 forniciorombijs supra anihcras sitis ovatis magnis inter se contiguis longissimo barbatis o faucc exsenis, nucibus semiglobosis Interalitor rostratis, magnis glabris rugulosis late annulatis, annulo ad sphincterem plicatissimo. — Crescit in colibus aridis prope Egirdir Pisidiae.

XXVa TOXOSTIGMA A. *Itich.*

(A. Richard, Tent. flor. Abyss. \l. 86. lab. 77.)

Calyx tubulosus, profunde 4—5-partitus, laciniis lanceolalis aculis inaequalibus. Corolla lubulosa subhypocrateriformis, tubus gracilis calyce longior, limbus 5-partitus, laciniis semierectis subaequalibus; faux nuda. Stamina 5 medio (ubo inscra subsessilia, rmlherae oblongo-cordiformes. Stylus basi simplex, apice profunde bifidus, stigmata duo arcuala intepa. Achacnia (??) qualuor dislincla laevia glabraque.— Herbae perennes, habilu *Echii*, hirtae autliispidy: caule herbaceo r a mo so; folia ad basin- caulis approximata oblongo-lanceolata; (lores flavi aut purpurascens in racemos longos simplices circinnatos unilaterals dispositi.

1. T. LUTEUM A. Richard 1. cit. p. 86. — Radicc perpendiculi longissima nigroscento; caule a basi ramoso pedali et ultra, hispido; foliis ad basin caulis rosellato-congestis lanccolato-linearibus aculis, ulrinque tuberculato-hispidis, pilis rigidis setosis nrbis; floribus luteis in racemum compositum c spiris longis gracilibus scorpioidcis multiifloris; tubo corollae gracili, scpahs lon^iori, limbo 5-partito subaequali, laciniis oblongis oblusis ciliatis. — Habitat in Abyssinia.
2. T. PURPURASCENS A. Richard 1. c. p. 87. f lab. 77. — Radico perpendiculi longissima nigrescente; caule spiihamaeo ramoso hispido; foliis rosellalis oblongis npice vix aculis, basi sen si m angustalis, ulrinque hispidis; (loribus purpurascenlibus, racemum compositum eTormanlibus; tubo corollae vix sepalis longiore, limbo quinquelobo, lobis brexibus oblusis, basi latioribus subinaequalibus, apice barbatis. — Habitat in locis 'siccis Abyssinae circa"Adoua.

XXVII. SYMPHITUM *Tournef.*

(DC. Prodr. X. 36. ft 587. — Wlprs. Repert. VI. 558.)

1. S. PALAESTINAE Boiss. Diagn. plant, orient, nov. XI. p. 94. f — Perenne: caulibus erectis ramosis angulais, petiolorum decurrentia angusle alatis, pube brevissima viscidula, pilis patulis sparsissimis mixta obsilis; foliis radicalibus poliolo alato iis longiori suffullis ovatis, basi cordatis vel rolundalis oblusis, caulinis oblongis sessilibus subsossilibusve, basi brevissime allenuaia decurremibus acutis, floralibus ovatis cordatis, omnibus duplici pube, altera minutissima viscidula, altera e setis tenuibus non tuberculosis, ad nervos et margines sparsis constant! obsilis viridibus molliusculis; calycis eadera duplici pube parce obsiti lobis trinngularibus tubo quadruplo brevioribus; corollae lubo calyce sesquilongiori; fornicibus late linearibus, apice reluso-lrunfQtis uninerviis pellucidis, margine brevissime ciliatulis, antheras vix superantibus; calyce fructifero paiulo dedexo, breviter pedicellato oblongocylindrico fructu quadruplo longiori, parce tuberculaio - setoso; nuculis elongatis erectis, areolis elongatis minute tuberculatis. — Crescit ad margines rupium et in cavis umbrosis circa Ilicrosolyrna et prope Rascheya in Antilibano.

\\X. %JfcTC]IUS% Linn

(DC Prodi X 41 — Wpi< Rcpert M 559)

- 1 A (*llu ilosmm* >) IJOIILA MOMS, Alii deg-li oit-m numono cic 566 — Hmpith fo-
Int Inu in - l iiu(olui< it| ando -doiititul tto undulalo - cu«.pis, lamis Honferis altcini*
solitiiiis clvcibus quinquifldi*, fruttifms cunpiniil ills ddlexo-p'iliilis, toiollaoiuho
qu mi liuilfus IIII_IOM foriuubus lintis, nucibus oblique ov uis (.omigilo-angulatis
— 1 (ii/n AIoi i>, Sinj) Sard* clemh III 9 — A *aivensis* Moris 1 c lab 3^ —
/1/6 / /s *dispa* llulol H Inhc II 317 — In feiidmni habitat
- 2 A (*Huil sttiim*) AV.UslISSIMY C Koch I mnaei \\XII 6)3 f— Tiecta superno m-
ino^i pili> iccumbtneiibis cinosiens foln lintdiii sossilia intcgmna aculi, flores
coiynib i (in s<11n* luuijosi') O1\\LI> hcim IL tuhum ex longitudino atquanles
la* lint tics suhilo ii ut u uliatio «oioil u minis. lon_nc cxsoillis, lomices subm-
(IIM pilis n ISSIS dri)s< obMli — CKXIL m inoulibus illis l'onti
- 3 A SPIIUM III IJoiss Dia_nMioj phiiLonoit no\\ XI |» 98 i — Vmiui caulibus eroelis
fuliOMh jnne uinosjs pilis c luborculo oitit pilulis v<I icioi&is jspcus, folus ob*
longo -l uiuoUitis r<Miidi>> deniicuhis({iil iisdtn pilis bicvibus lubuculosis sparsis
ispons iiccmii phiiibus subcoi\\mbosi>> dicliJtoims pedicellii> post anllicsin eiccto-
paiulit /MILLU diiplo IUII^IOI ibus ciljcis quin jucpai cm lobis adpiesse hutulis linca-
nbus coiolhc CIMUI(io luho icclo cilyco suhsrsquilongion , foimcibus e fauco ex-
snti>> oblusissimii o\\iis milginc \\iv pnpillosis slylo nuculis rugosis granulatis scs-
quilon_o^ioii — A *\\s< (i *mnjoi* DC I c 4S no Z5 — Crescit in Allica el in Ti-
sidn pi ope Hoildom
- 4 A IIII SSVLV Uoiss !! Spi un I c ') f — Annin loin pilis c luberculo oi us altus
ndpitsMii^culis spaisis i&pcia cmh ^ncili oitclo puco rimoso, folns hnccol His
obliisJi Miidibub indiuH in peiololum bicvem alltnuilis, uncicus sebsilibus raccmis
lernunalibus reclis dicholonus lmllois, pedunculis stuclis, cnlycis adpiesse singosi
ad basin quinqucpartililacinus angusic lineanbus corollinum tubum acquantibus, in
fiuctu leciiusculis nuculas dnplo superaniibus, coiollao p illidao coeruleac limbo lubo
rccio pnulo breviou, fornicibus o fauce cxseitit oblusis«nno ovatis marginc brevisi
"imo pipillosis nuculis reclis ar<ul ito c\\indrins longitudinalilci lugosis piaetciaequo
tuberculins, maiginc bisihn Iatvi, stjlo calycc fuclifcro brevion — Crescit luier
segctes pi ope /ciloun Thessnlnc
- 5 A LIMJAIA Boiss tt Ilcldr 1 c f — Bicnms caulibus humilibus rectis foliosis,
pili* alhis longis patulis stngosis luspissimis, apicc dichotomis conmbosis, folus
ladicnlibus numciosis don_oalis bnsi sub uienuatis, caulims bicvionbus, omnibus an-
gusic lineiii - lanccolalis lincanbu^que nlbo - singosis, pilis praesclim infenorum e
tubiculo oiti* riccmis icrrniu iljbu« br<\\ibus paucidons, calyce adpiesse luspido ad
quailim pattern obtusiuscule quinquelobo post mtlicsin aucto campanulato p^lulo,
coiolhc tubo rubcllo cal\\cc se^quilongion sensim in liubum anopurpleum integrum
MX. crenulatum angusium leclum "ubdilato , antbens fornicibusque oblongis peni-
cillalis intci so subaequalibus lnnbumque supenntibus cxserli9, stylo calyci fiuctifero
icquilongo, nuculis jumonbus glabus lacvibus globoso-incurvis — Crescit lanssima
in colle caltarco pinctib consilo l^mphjliae inlei Adalia et Jemdjo Khan

XXV^a **GASTROCOTYLE** Bnge.

(Dnge Delect sem hort Doipat 1849 p 2 adn)

Cal^\\ qmnquepaililus coiollam liypocrateumorpham subaequans
dcmuiri stllalim palens Fomiccs minute papillosac rotnsac Antheia^

orbiculari-cordatae brevissimae apiculatae, filamenlis brevissimis, longiores verlicillatim dispositae. Stylus brevissimus. Stigma simplex crassiusculum. Ovula ventre affixa subpendula. Nuces duae vel tres, rarius quatuor, ventre affixae et perforatae, apicibus conniventes obliquae, intus apice oblique cannalae rugosae scabrae, areola ore cartilagineo crenato-dentato cincta. Semen incurvum subhorizontale, radícula ascendente.— Herba annua hispidissima ramosissima: ramis prostratis; foliis undulato-subcrispis; floribus extraaxillaribus solitariis minutis purpurascenti - caeruleis.

1. *G. HISPIDA Bnge. I. c. — *Anthem hispula* Forsk. — DC. Prodr. X. 50. no. 33? — In deserto Aralensi.

Subtribus IV. *LITUOSPERMAE* DC. 1. c. X. 57.

XXXIII. OHTOSIHA *Linn.*

(DC. Prodr. X. 57. — Wlprs. Reprt. VI. 559.)

1. 0. (*Euonosma*) STRIGOSISSIMA Boiss. Diagn. plant. nov. orient. XI. 102. f — Perennis multiceps, radice collo indurato, tota seors longis albis, caulis paucis, foliorum adpressulis c. tuberculo glabro ovis strigosissima, inter seors glaberrima: foliis oblongis et oblongo-lanceolatis obtusis in petiolum brevem attenuatis, caulibus multo minoribus, caulibus reclus abbreviatis racemum bipartitum capitato - confertum ferentibus; calyce seors flavidis longis strigosissimo quinquopanilo, laciniis lanceolatis acutis, fructifero recto accreto campanulato, laciniis apice extus revolutis; corolla e cicco violascente calyce sesquialongior, lobis triangularibus acutis, apice recurvis; antheris semiexsertis; nucibus globosis acutis niidis granuloso-tuberculatis. — Crescit in Pamphylia.
2. 0. CASSIA Doiss. I. c. 102. f — Perennis: caudicibus tenuibus nigris duris prostratis; caulibus ascendentibus, superne 2—3-fidis, pilis simplicibus tuberculis deflexis hispidis, inter eos minute puberulis; foliis virentibus, radicalibus oblongis in petiolum brevem attenuatis, caulibus sessilibus oblongis, omnibus obtusis abbreviatis, setis e tuberculo glabro ortis sparsim el palule strigulosis, inter eas minutissime papillosis; racemis abbreviatis scorpioideis calycibusque palule et longe flavido-setosis; pedicellis erectis calyci fructifero aequilongis, laciniis lineari - lanceolatis acutis; corolla flavida superne ampliata calyce tertio parte longiori, lobis triangularibus brevissimis subrevolutis; antheris brevissimo appendiculatis, corolla brevioribus indusis, filamento usque ad antherae basin corollae coalito; nucibus perispermatis acutis laevibus nilidissimis. — Crescit in montosis Cassii in Syria borcoli.
3. 0. OREODOXA Doiss. ft Heldr. 1. c. 103. f — Caule perenni? erecto elato, superne paniculato - ramoso, pilis simplicibus albis tenuibus strigosis deflexis hispido, inter eos lente puberulo; foliis virentibus lanceolatis, radicalibus obtusis in petiolum attenuatis, caulibus abbreviatis basi rotundatis acutis, omnibus utrinque setis tenuibus e-tuberculo glabro oris substrigosis; racemis ad ramorum extremitatem conferlis capitato-scorpioideis, paniculam compositam formantibus calycibusque dense lana patula nivea obsitis; calycinis laciniis anguste lineari - lanceolatis acutis; corollae lobae demum rubellae, superne ampliatae calyce vix quarta parte longioribus lobis triangularibus acutis demum reflexis; antheris ultra medium exsertis filamento longioribus, nucibus brevibus. — Crescit in saxosis faucibus Tsimboukkan Pisidiae inter Adalia et Isparta.
4. 0. TRACHYTRICHA Boiss. I. cit. p. 103. f — Basi fruticosa: caulibus erectis foliosis parce romosis, pube brevissima simplici setis albis adpressis inermixta albicantibus; foliis oblongis oblongo-lanceolatisque, basi attenuatis obtusiusculis, superne sulco me-

dium versus percursis, subtus elevato - nervosis, selis brevibus adpressis e tuberculo onis asperis, inter eas puberulis; runcmis lermnlibus paucioris, in anthesi congestis, (Icin clongatis: calycis (loriferi .seicco-hirsuii quinquepartili laciniis aequalibus longe linearibus acutis, fructiferi laciniis auctis oblongo - lanceolatis fructu quadruplo longioribus; corollis violascentibus puberulis, teriia pane calycem excedentibus, lobis triangularibus demum reflexis, apice penicillatis; antheris mucrone exsertis; filamentis parvis libera antherae basin inferne non excedentibus; nuculis oblongis acuminatis albis Incurvis. — Crescit in jugo Gerdne Kulschek prope Teheran in Persia.

5. 0. PACIYPODA Boiss. I. cit. p. 104. f — Itasi suffullescens, pallide virens, tota pilis sparsis simplicibus brevibus adpressissimis oculo armato tantum perspicuis e tuberculo Klahro fere obsolete utrisque subsila asperula: caulibus flexuosis crectis foliosis ramosis; foliis oblongis utrinque alternatis acutis subrecurvis: racemis terminalibus paucifloris, post multum clongatis; calyce parvo cl adpresso saiceo, ad basin usque in lacinias angustis linearibus acutis, fructu quadruplo longioribus diviso; corolla extus pubescenti o saiceo pallide carnoso-rubella lubulosa calyce duplo longiori, lobis ovatis sulirevolutis; antheris corollae non excedentibus; filamentis parte libera infra antheras non producentibus; pedicellis fructiferis elongatis erectis, apice sensim in calycis basin incrassatis; miculis oblongis multilobis scrobiculatis. — Crescit in scabrositate faucis Murch Mahal mo mis Klbrus in Persia borcoli.
6. 0. #RACIYSOLKN Boiss. I. cit. f — Perennis, basi suffrutescens mullicaulis: caulibus crectis strictis simplicissimis, sparsim et adpresso pilosis; foliis oMongo-lanceolatis, inferioribus in petiolo alatis utrisque, superioribus oblongis sessilibus, omnibus adjutis strigosis viridibus, pilis multilobis e tuberculo glabro vix perspicuo orundis; ramis paucifloris bipartitis confertis capituliformibus; calycis adpresso sericeo-strigosi quinquepartili laciniis oblongis aequalibus; corolla lula pubescente lubulosa lala calycem parva parte superantibus, obtusis; obsolete lobata; antheris corollam subaequantibus, parte libera filamentis quadruplo longioribus. — Crescit ad Diarbekir in Assyria.
7. 0. HALOPHILA Boiss. ft Heldr. I. c. 105. f — Perennis virescenti-canescentis, tota pilis simplicibus brevibus e tuberculo glabro ortis adpressissimis oculo armato tantum facile distinguendis subsila asperula: radice verticali; caulibus pluribus ascendentibus foliosis sub rosula radicali nascentibus simplicibus; foliis radicalibus ei inferioribus lanceolato-linearibus in petiolum longiusculum alternatis obtusis, caulibus minoribus sessilibus linearibus acutis; racemo bifido post anthesin longiusculo; calycis quinquepartiti adpresso linearibus laciniis linearibus lanceolatis acutis, fructu quadruplo longioribus; corollae albae pubescentis, calyce plus duplo longioris apice dilatatae lobis breviter ovatis obtusis subreflexis; antheris corollam aequantibus, filamentorum parte liberae aequilongis; nuculis minimis multilobis, laevibus inferioribus bisulcatis. — Crescit in planitie interiori Lycaoniae inter Koniah o, l montem Karadagh locis salinis byeme inundatis.
8. 0. VELUTINA Boiss. I. c. 105. f — Perennis caespitosa humilis multicaulis, tota pilis simplicibus molliusculis, basi non tuberculatis secus caules pilulis albis longis, ad folia et calyces adpressis flavidis hirsuta: caudiculis vestigiis foliorum veterum incrassatis; caulibus folia radicalia subduplo superantibus; foliis planis non elevato-nervosis linearibus lanceolatis obtusis, caulibus abbreviatis erectis; floribus dense capitato-congestis; calycis quinquepartili laciniis angustis linearibus villosis obtusis, fructu triplo longioribus; corollae demum caeruleae glabrae, calyce subduplo longioris lobis ovatis obtusis; filamentis parte libera antheris subaequilongis; nuculis parvis nitidis subincurvis rostratis. — Crescit in Olympo Bityno.
9. 0. GRAECA Boiss. I. cit. p. 106. f — Biennis? tota praeter pubem brevissimam «etis, flavidis longis basi obscure et glabre tuberculatis tenuibus vix strigosis, secus folia inclinatis, socus caulem et in parte superioribus plantae valde patulis hirsutis: caule crecto mediocri, superne ramoso-paniculato; foliis lanceolato - linearibus obtusis, in-

ferioribus in petiolum attenuatis, superioribus et floralibus e basi rotundata oblongo-lanceolatis longe ciliatis, omnibus facio inferiori margine ot norvo rmedio elevatis; racemis paucifloris, demum elongatis, extremiiale florifera nutanlibus; calycis quinquupartiti laciniis lanceolato-linearibus obtusiusculis, longe et subpatule ciliaris, fructu triplo longioribus; corolla pubescenti calyce duplo longiori angustie tubulosa, a parto dimidin paululura laiori, ad basin el apicem subangustaia, apice brevissime el triangulariler quinqueloba lutea demum violacca; amheris apice subexsertis, basi profunde bifidis, filamenti parte libera ullrn ^mllicrarum ba&in infruc vix producla; nuculis ovalo-incurvis, superno valde carinalis, dorso ad carinac latus ulrinque gibbon's nitidis scrobiculato - peiTossis. — Crescit in Graecia, monlibus insulao Syra et in monte Hymetto, ubique rara et solifario crescens.

10. *O. DICHUANTIA* Boiss. l.e. p. 107. f. — Oionnis? multicaulis, tota setis albis patulis simplicibus c luberculo glabro orlis siiigoso - grisca, inter setas pubescens: caulibus erectis elalis, superno slricl paniculato-ramosis; foliis inferioribus angustie linearibus obtusis, basi allcnuaiis, ncrvo medio subtus prominenti donatis, (localibus oblongo-knceolatis acuminatis; calycis palule bispidi laciniis angustie linearibus aculis; corolla subpuberula alba, dcin caerulescenli calyce trclia parle longiori, lobis triangularibus, demum rvolulis, basi intus coronula glabra aucla; amherurum apice subexsorto; filamenti parle libera anibera breviori; nuculis maguis laevibus njlidis subtrigonis subincurvis. — *O. ttrigosa* Slcv. mss. (nec *O. Knlb.*) — Crescit in Iberia prope Baku, Persia boreali in monle Dcmawcud prope Ask.

11. *O. ALJEPPIGA* Boiss. 1. c. p. 107. f. — Diennis mulicnulis: caulibus crassis reclis a basi fere ramosis, selis albis rigidis palulis 0 luberculo glabro ortis strigosis, inter setas breviler puberulis; foliis lanceolatis virijibus adpressius el siiblus ad inargines et nervum copiosius seiosis, inflmis elongalis; rncorais demum elongatis, apico florifero nutanlibus; calycis basi placserlim longe et adpressiuscule albo-setosi laciniis lanceolato - linearibus aculiusculis; corollis e sicco ulbidis glabris, calyce quarta parte longioribus brevissime et oblusissime 5-lobis, ima basi iilus circulariter ciliatulis; antherarum glabra rum apico subexserto; flamentorum pane libera tcnui, antheris subaequilonga; nuculis rostralis magnis granulaio - tuberculntis. — *O. echinata* DC. (quoad pi. Syr.) 1. c. 64. no. 32. — *O. echioides* Kolschy. — Crescit in collibus siccis circa Aleppum, inter Jerusalem et Jericho, in deseriis inter Damascum et Libanum.

12. *O. BULBOTRICHIA* DC. 1. c. 64. no. 31. — Boiss. 1. a. pag. 108. (Diagn. emend.) f. — Biennis, lota setis simplicibus palulis albis e luberculo glabro oriundis bispidissima, junior flavescens strigosa, pubo breviori inlcrmixta: caulibus erectis fere a basi paniculato-ramosis; foliis lanceolato-linearibus, inferioribus basi attenuatis obtusis, superioribus sessilibus; raceinis demum valde clonpalis; calycis albo-slrigosissimi Inciniis lanceolalo-linearibus; corolla luiesconli puberula supornp amplintn, calyce lortiu parle longiori, lobjs 5 brevibus triangularibus' subrevoluiis, paulo supra basin intus margine coroniformi lobalo birsuio aucta; anihorarum apice exserio, flamenii pane libera *xti'* tberam subacquanli; nuculis dorso utrinque gibbosis tuberculalis nitklis. — *O. echinata* DC. 1. c. (ex p.) — Crescit in Persia boreali, prope Schiraz.

13. *O. XANTHOTRICHIA* Boiss. 1. c. p. 109. f. — Biennis, tola sois palulis in pane superiori plantue praesertini valde llavidis e luberculo fore obsoleto glabro oriundis bispidissima, pube breviori inlcrmixta: caule crccio.elato fere a basi pauculalo-ramoso; foliis inferioribus angusto linonri - lanceolalis, basi longissime attenualis, superioribus sessilibus linearibus paulo lalioribu?, omnibus oblusiusculis pallide virenli-Uavidis; calycis patule llavido - hispidissimi corollam subaequaulis laciniis angustie linearibus, corolla pallido lutca puberula, superno vix ampliata, lobis brevibus ovalo-triangularibus subrevolulis, tubo paulo supra basin intus margine coroniformi lobato looge barbato aucla; anther&rum apice subexserto, flamenii parle libera anthera breviori; ^ nuculis? — Crescit in Anlilibano prope Zebdani.

14. 0. *SPRUNERI* Boiss. 1. c. 109. + — Tola setis brevibus sparsis adpressissimis e tuberculo Mclatim piloso orlis cinerascens: rhizoniale crasso vcrlicali apice fasciculum foliorum radicalium caulesque 1—3 ferenti; caule cra^so clato, superne parce rainoso pilis sparse asperulis; foliis lanceolatis superne suluo, inferne nervo medio prominenti percursis, radicalibus longis in pctiololum longuin albo-ciliatum auenunlis, caulibus sessilibus apice magis attenuatis; racemis domum valde elongatis siriclis; calycis quinqueparlii scdis densis adpressis sericci laciniis* aequalibus lanceolatis aculis; corolla u basi angustiori ampliata, adpresse pubescenti, calyce subtriplo longiori, lobis 5 brevibus triangularibus; filamentorum parte libera aniheds inclusas subacquant; pedicellis fructiferis siriclis in calycem sensim incrassatis; nuculis inugnis obJongis reclis rosualis obscure granulatis nilidis. — C rose it ad radices montis Cilheron Boeoiac.
15. 0. *CAERULESCENS* Doibs. I. c. p. 110. f — Frulescens, basi ramosa, tola setis brevibus e mberculo parce cl stellaiin piloso orlis densis cana: ramis palule el breviter scabris; foliis parvis obovalo -spaibulalis, basi in pctiololum breviter ailenualis obiu.ysi.imis; racemis bifidis densis lunuuiialibus subcapiiuliformibus; calycis longe et palule albo-selo&i pedicello co paulo breviori sullulli laciniis a basi anguste linearibus obtusis; corolla glabra tenui superne subampliata calyce subduplo longiori alba, dein caerulscenli, lobis iriangularibus aculiusculis revolulis, lubo basi inlus coronula lobala glabra aucto; anilicarum apperulicibus subexsertis; llainenlorum pane libera u Differ is paulo breviori; nuculis acute trigonis griscis laevibus nilidis. — Crescit in Anlilibano inler Hasclieya el Damascus.
- Hi* 0. *RASCHEYANA* HOJNS. I. c. p. 110. f — Basi frulescens: caudicibus prostmtis nudis idinosis; caulibus juiuilis an,uil.Ui>, bu^i dense fuliosis, scdis bicibus e tuberculo stellato orlis scaLridis; folns pallide viruuiibus oblongo-lauccolatis aculiusculis in pctiololum longe ailenualis, margine revoluiib, &upenic ad medium sulcalis subtusque nervoso-pronjinulis, adpresse solosi^, scdis c tuberculo stullalim piloso oriundis; racemis terminalibus simplicibus vel bifidis coiiferlificiois subcapilalis; floribus nutantibus; calycis subscssilis adpressissime et \ircscenti-hirsuli laciniis lanceolnto-linearibus aculis; corolla prius alba, dein caeruloa, superne subampliata brevissime pruinoso, calyce tclria parte longiori, basi coronula glabra aucta, lobis iriangularibus becvibus apice revolulis; antherarum apice subexseno, filamentorum pane libera anlbera,breviori; nuculis ... ? — Crescit in Anlilibano inter Rascheya et Damascus.
17. 0. *MITIS* Boiss. & Heldr. 1. c. 111. f— Rhizomate procmnbenti sulTrulescenti caespiloso, caules abbrevialos foliiferos aliosque ferliles simjdices adpresse canos'edenti; foliis indumento pannoso adpressissimo cinerco-cano pilorum siellalorum obsilis vix asperis, anguste oblongo-lanceolaiis oblusis, basi longe attenuatis ciliaris, superne canaliculalis, facie inferiori revolulis carinato -nervosis, superioribus lmeaiibus aculis llavidis; racemis simplicibus ereclis laxiusculis; calyce adpresse flavido hirsuto quinquopanilo, laciniis linearibus acuus, fructifero elougalo striclo basi globoso, laciniis fructu quadruplet longioribus; corolla ocliroleuca glabriuscula, calyce lertia parte longiori, a basi angustiori ampliata, lobis Uangularibus aculis; antheris apice exserlis; nucibus ovnlis aculis nilidis laevibus. — Crescit in pinclis apricis ad radices montis Tnktalu Lyciae supra portum Tbcraii
18. 0. *HELVETICA* Boiss. 1. c. p. 111. f — Caulibus caespitosis erectis, basi induralls; foliosis, scdis albis palulis e tuberculo piloso orlis sirigosis simplicibus; foliis lanceo-laio-linearibus obtusis, margino subrevolulis selulis adpressis ad folia inferiora et basin foliorum superiorum e tuberculo glabro oriundis, ad folia superiora e tuberculo stellaiim piloso ortis asperis; racemo biQdo divaricato terminali; calycis adpresse fl9; rido-setosi laciniis lanceolaiis acutis; corolla palhde ocbroleuca puberua, calyce subduplo longiori, lobis triangularibus brevibus; filamentis lalis parti liberae antherarum aequilongis; nucibus laeviusculis. — 0. *echioides* var. *Helvetica* DC. — Crescit ED valliibus alpium Sabaudiae.

19. 0. PALLID A Doiss. I. c. p. 112. f — f. audicibus ascondentiibus vel prostratis caespiloso-multicaulis; caulibus creclis foliosis simplicibus albidis caesiisve tenuibus rigidis, setis patulis albis et tuberculis valde strigosis; foliis parvis angusto lanceolato-spathulalis in petiolum attenuatis, supremis basi rotundatis, omnibus margine subrevolutis, nervo medio subtus prominenti, uirique *setis* e tuberculo stellati piloso ortis patule setoso-strigosis; racemo terminali bifido, demum valde elongato divaricato; calycis paleae pallide - setosissimi laciniis anguste lanceolatis acutis, calyce fructifero vix aucto; corolla alba pubescenti, tubo angustato, superne valde clavato-ventricosa, calyce plus duplo longiori, lobis irregularibus brevibus acutis; filamenta libera antilicris apice subexsertis acuta bifida breviori; nuculis parvis triquetris nitidis brevibus. — Crescit in tota Anatolia occidentali et in Graecia.
20. 0. (*Aponusma*) SERICEA Willd. — DC i. c. 65. no. 38. — Boiss. Diagn. plant. orient. nov. XI. p. 100. (Diagn. emendat.) — Dasi sull'rutescens, tota pilis simplicibus adpressis sericeo-cinerea griseo-argentea: foliis oblongo-lanceolatis acutiusculis, in petiolum basi attenuatis; caulibus simplicibus racemos 2—3 terminales brevissimos strictos ferentibus; calyce adpressissime setoso, fructifero basi indurata 5-carinao-gibbo, laciniis accretis basi angustatis lanceolatis acutis; corolla calyce duplo longiori; filamenta jam sub anthera a corolla liberi parte libera antheram subaequantia; nucibus laevissimis. — Crescit in Iberia, Persia boreali.
21. 0. FLAVIDA Doiss. I. c. p. 100. f — Basi suffrutescens, lora pilis simplicibus adpressis sericea et praesertim ad folia caulium sterilium Uavula: foliis radicalibus oblongo-spathulatis obtusis in petiolum attenuatis, caulibus subsessilibus oblongo-lanceolatis acutis; caulibus simplicibus superioribus 2—3 racemos strictos breves ferentibus; calyce adpressissime setoso, fructifero basi indurata acuta 5-carinato-gibbo, laciniis accretis lanceolatis acutis, corolla calyce longiori; filamenta etiam supra antheram basin cum corolla concreti parte libera anthera dimidia breviori; nuculis nitidis obsolete tuberculatis utroque latere carinalis. — Crescit in Syria et Mesopotamia.
22. 0. TAYGETEA Boiss. fit Heldr. I. c. 101. f — »Dicnis? tota scilicet albis tenuissimis albis rigidis patulis e tuberculo glabro oris sirigosissima, inter cas scabrida lavo-virens: caule a basi paleae ramosissimo; foliis linear-lanceolatis, marginibus subtus subrevolutis, nervo medioque elevato longius setosis; racemis strictis, axis bracteis lanceolatis acutis pedicello longioribus suffultis; calyce paleae tuberculato-strigosissimo ad basin usque quadripartito, laciniis duabus in unam apice bifidam connatis, fructifero aucto obconico, laciniis rectis costa media lutescenti elevatione percursis, fructu quadruplo longioribus; corolla albida pubescenti, superne incrassata calycem vix superanti, apice brevissime quinqueloba; antheris parte interna superiori exsertis; filamentorum parte libera infra antheras viz producta; nucibus oblongis rectis carinato-rostratis lente granulatis vix nilidis. — Crescit inter lapides in alveo ossicula torrentis inter la Varyara et Hngio Paraskey Taygeti.
23. 0. ISaurICA Boiss. & Heldr. I. c. f — Dasi suffruticosa surculos steriles foliosos breves et caules ascendentes flexuosos ramosos solis sparsis adpressis pube brevi intermixtis obsitos emittens: foliis ovato-vel oblongo-spathulalis, in petiolum brevem attenuatis, apice rotundatis, summis sessilibus acutiusculis, omnibus setis adpressissimis e tuberculo stellato oris cinereo-sericeis; racemis ad ramorum apicem abbreviato-scorpioideis, demum post anthesin elongatis; calyce pilis simplicibus adpressis sericeo, ultra medium, et saepe prope basin usque irregulariter quadri-vel tripartito, laciniis una vel binis apice magis minusve profunde trilobis, omnibus lanceolatis, fructifero inferne angustato, basi truncata angustato-gibbo; corolla pallide ochroleuca longiuscule et adpresse birta, a basi angustiori dilatato-clavata, lobis quinque ovalis latis subrevolutis, calycem paulo superanti, antheris apice exsertis; filamenta libera infra antherarum basin non producta; nuculis laevissimis reclinatis longe rostratis. — *Onosma sericea* Heldr. — Habitat in rupesibus Isauriae.

XXXVII' - **PODOWOSOTA** Boiss.

(Boiss. Diagn. plant, orient, nov. XI. p. 113.)

Calyx quinquedartus, segmentis linearibus lanceolatis. Corolla regularis tubulosa, faucibus nuda, basi circulariter marginata barbata, apice in 5 lobos lanceolatos, ante anthesin valvatim connatis, per anthesin reflexos divisim. Filamentum usque ad medium partem corollae adnatum, superne liberum. Antherae in appendicem membranaceam linearem, apice emarginatam longe exsertam inaequilongam abeuntes, basi breviter sagittatae, inter se liberae. Ovarium quadripartitum. Stylus glaber exsertus, stigmatibus in medio subequirato terminatus. Nuculae quatuor, areola plana substipitata supra torum inseilae valde incurvae, apice horizontaliter flexo oblongae acutae, tota superliciter echinulatae. — Herba Orientalis et insularum rupium et murorum erumpens perennis, tota villosa hispida fragillima. — Genus antheris longe apiculatis *Onosma* referens sed ab ea discedens in basi nunquam connatis et praesertim nuculis non reclinatis ovoideo-trigonis sed a basi subulatis valde curvatis horizontalibus omnino *Alkanna*. Habilis et motus crescendi *Alkanna* sed corollae inclusae et antherarum forma ab his longius discedens.

i. 1 SYHIACA Boiss. I. c. p. 114. f — Foliis ovatis - Inaequalibus acutis, inferioribus in petiolum breviter utrinque, superioribus sessilibus seu unguiculatis; racemis terminalibus laevibus; capitulis post anthesin elongatis; urollis ciliatis; antheris inaequalibus albis longioribus. — *Onosma Synuca* Labill. — DC. Prodr. X. 58. no. 4 — Crescit in Syria omni calidiori et montana, in Assyria et Persia australi.

XXXVI. **ONOSMIDIUM** Michx.

(DC. Prodr. X. 69.)

1. *O. VIRGILIANUM Alpi. DC. I. c. 70. no. 3. — O. hircanicum Michx. — Torr. Flor. of New-York H. 84. tab. 79. — *Alhospennum Virginianum* Linn.

XXXVIII. **MOTJTKIA** Lchm.

(DC. Prodr. X. 72.)

1. M. ANATOLICA Boiss. Diagn. plant, orient, nov. XI. p. 114. f — Basi suffrutescens caespitosa-muliculis, tota compressis cinerascens-cinerea: caulibus erectis humilibus dense hirsutis canescentibus, apice panonolato-obovatis; foliis inferioribus ellipticis obovatis obtusis, in petiolum aequilongis, superioribus sessilibus lanceolatis linearibusque acutis corollae coeruleae calyce triplo longioris tubo leni in limbum subimpresso dimidio brevioris, inclusae strigosae nuda, lobis ovatis filamentis breviter exsertis; antheris violaceis; racemis fructiferis oblongis adpressis strigosis; bracteis linearibus calycis laciniis longioribus; nuculis sphaericis granulosis. — Crescit in collibus Cariae prope Jenidje et in Syria prope Antiochiam.

XXXIX. IITHOSPERUUI Tournef.

(DC. Prodr. X. 73. & 587. — Wlprs. Report. VI. 560, Annal. I. 526.)

1. 'L. CANESCENS Lelim. — DC. I. c. 78. no. 28. - Hook. Bot. Wag. tab. 4389. - Paxt. Mag. of bot. XV. 151. c. ic.

XXXIXa. SESRICOSTOMA /. E. Stocks.

(J. E. Stocks mss. in Wght. Icon, plain Ind. or. IV. tnb. 1377.)

Calyx quinqueparlilus, lobis inaequalibus, diobus lalioribus aestivatione exterioribus. Corolla subhypocraterifonnis quinquefida, lobis aestivatione imbricatis, fauce pilorum annulo versus centrum convergentium clausa. Stamina sinibus corollae inserta, filamentis brevibus, antheris versatilibus demum exsertis. Ovarium profunde quadripartitum, lobis distinctis a stylo, ovulo in loculis solitario erecto. Stigma capitatum bilobum. Nuculae abortu 1—2, dorso convexae, venire angulatae, apicem versus acuminatae stipilulatae, quum calyx persistens brevior. Semen erectum, radícula minuta supera, cotyledones crassae ovoideae. — Suffrutex Scindengis: caulibus base lignosis decumbentibus; ramulis herbaceis adpressis pilosis; foliis sessilibus lineari-lanceolatis; racemis brevibus (cum bractea terminali) (?) oppositifoliis subscorpioideis 2—5-floris, flore uno a reliquis remotiori; corolla alba, limbi laciniis pilosissimis, apice lacerato-dentatis, fauce pilis sericis crispis gracilibus dense vestita.

1. *S. PARVIFLORUM J. E. Stocks 1. c. — Habitat in India orientali (Scinde, Baikurprope **Dessa**).

XLI. ARAEBIA Forsk.

(DC. Prodr. X. 94 excl. % 2.)

- t A. LONGIFLORA G. Koch, Linnæa XXII. 640 f — Perennis molliter et albo-villosa, stirpe ramosa folia radicalia et caulina inferiora linearia, prope basin attenuata, reliqua sessilia, caulina superiora et (terminalia) ovalia lanceolata, inferioribus longe minoribus; calycis lacinae oblongo-lineares, tubo cylindrico corollino duplo breviores; fauce corollae immaculata, lobis aequalibus; staminibus superioribus, duo inferioribus, antheris oblongis filamentis longioribus; stigma obconicum emarginatum bilobumve. — Crescit in montibus Ponticis.
2. A. FLAVESCENS Doiss. Diagnos. plant. orient. nov. XI. p. 117. f — Tota selis flavescens: foliis oblongo-lanceolatis obtusis, basi attenuatis; racemis densis secundariis (terminalibus) bracteatis; bracteis linearibus calyces non aequantibus; calycis basi patule et longe flavo-seiosi laciniis linearibus ad nervos et margines praesertim adpressis aequalibus, fructiferis irregularibus et reticulato-nervulosis; corolla hiis calycibus laciniis superioribus, apice dense hispidula, limbi erecto-patuli lobis ovato-oblongis; nuculis scrobiculatis tuberculatis. — A. *tincta* DC. 1. c. 95. no. 2. — A. *imbricata* DC. 1. c. 95. no. 4. — Crescit in desertis Aegypti et in Arabia petraea.

f Icones Addendae. >

- A. ECHIOIDES Alph. DC. 1. c. 96. no. 8. — Hook. Bot. Meg. tab. 4409. — Lindl. ft Paxt. Flow. gard. I. 109 flg. 76. — Van Houtte, Flore des serres V. tab. 45\$
- A. HISPIDISSIMA DC. 1. c. 94. no. 1. — Wght. Icon. pi. Ind. or. IV. t. 1393.

XLIII*- MUWBYA Boiss.

(Boiss. Diagnos. plant, orient, nov. XI. p. 114. — *Arnebiac* §. 2. DC. Prodr. X. 95.)

Calyx quinquepartitus, laciniis lanceolato-linearibus acutis. Corolla infundibuliformis, tubo tenui elongato, inlus nudo, limbi patuli lobis rotundatis. Stylus apice in stigma bilabiatum aut dicepliale fissis. Antherae oblongae vel oblongo-linearis sessiles inclusae. Nuculae rectae ovatae, basi truncatae imperforatae. — Herbae perennes Orientales alpinae: floribus magnis; capitulis aggregatis, ab A. DC. cum *Arnebiis* ob stigma bipartitum combinatae, sed ab iis generice diversae radice perenni, habitu toto, inflorescentia. Stigma insuper in *Arnebiis* veris bis bifidum est et subquadripartitum calyxque fructifer basi campanulato-incrassatus et gibbus, quae omnia ab hoc genere abhorrent. *Munbija* a *Lithospermo*, cui magis affinis, sat tamen distat fauce corollae prorsus nuda, stigmate bipartito. Nuculae insuper in omnibus speciebus valde scrobiculatae sunt, facio interior! carinatae nee ut in *Lithospermis* perennibus ovoideae lacvae.

I. *Cyananthae*.

1. M. PERGNNIS Boiss. I. c. p. 113. f — Hispida, inter setas adpressiusculas puberula: foliis omnibus lineari-lanceolatis, radicalibus elongatis; spicis terminalibus subglobosis; calycis laciniis bracteisque corollae subaequantibus; nuculis...? — *Arnebia perennifolia* A. DC. I. c. no. 5. — *Sclerochloa perenne* Schrenk. — Crescit in montibus Alatau Songariae Chincensis.
2. M. GYANOCHROA Boiss. I. c. p. 115. + — Strigoso-aspermuni: foliis radicalibus lanceolato-linearibus, caulinis oblongis, basi rotundatis; spicis terminalibus conglomerato-pinnatis; corollae tubo breviter exserto; nuculis subtriangulari-tuberculatis acutis. — *Lithospermum cyanochroum* Boiss. — Wipr. Repert. VI. 560. no. 1. w *Arnebia Ungens* A. DC. I. c. 96. no. 6. — Crescit in montibus Persiae.

II. *Crysanthae*.

3. M. DENSIFLORA Boiss. I. c. 116 f — Adpressissime setosa: foliis inferioribus oblongo-linearibus, superioribus lanceolatis acutis; spicis versus apicem caulis axillaribus, in paniculam densissimam conlois; calycis laciniis linearibus rigide et palule pilosae corollae tubo eolyce plus duplo longioribus; nuculis apice compressis granulatis. — *Arnebia densiflora* Ledeb. Flor. Rossic. II. 140. — Crescit in Armenia ad fines Turcicas.
4. M. CEPHALOTES Boiss. I. c. p. 116. f — Dense fulvescenti-tomentosa: foliis hnearilanceolatis acutis adpressissime pannosis; caule humili folioso; spicis in panicula oonglobatam aggregate; calycis basi albo-villosissimi laciniis adpressiuscule et fucis; villosis corollae tubum subaequantibus. — *Arnebia cephalotes*, T. C. I. c. 96. no. 7. — Crescit in monte Akdagh Cappadociae.
5. M. CONGLOBATA Boiss. I. c. p. 116. f — Rhizomate caespitoso foliorum densissime vestito; foliis adpressissime setis fulvescentibus sericeis, anguste lanceolatis, caulinis margine palule ciliatis attenuato-acuminatis; caule humili folioso; capitulo terminali densissimo subgloboso; calycis fulvescentis palule hispidae inaequilatis, tubo corollae dimiduum aequantibus. — Crescit in monte Bereket dagij Lycae.

XLIV. *AliKAIOJA Tavsch.*

(DC. Prodr. X. 97. tt 588. - Wlprs. Repert. VI. 561.)

1. *A. GORDIFOLIA* C. Koch, *Linnaea* XXII. 640. + — Folia radicalia elongata, angustissime elliptica, caulina cordata, floralia contra cordato-lanceolata, omnia pilis albis siliogosis*, praecipue ex marginibus obsita; caulis erectus aut ascendens, ex apice ramosus aut simplex, villis albidis horizontalibus obsitus; calycis lacinae lanceolatae albo-villosae, foliis floralibus duplo minores; nuchulae reticulatae laeves. — Crescit in montibus Ponti.
2. *A. BRACTEOSA* Boiss. *Dingn. plant. nov. orient.* XI. 118. f — Tota sens Davidis brevibus, basi regulariter tuberculatis aspera et ad bractearum foliorumque marginem setoso-ciliata, inter setas sub lente asperula: rhizomate crasso; foliis radicalibus lanceolatis acutis, basi longe attenuatis, caulibus subaequilongis; racemis fere radicalibus rigidis diholomis distichis laxis; bracteis amplis ovato-lanceolatis acutiusculis calycis multoties superantibus; calyce strigoso-hirsuto, fructifero accroto nutanti, laciniis lanceolato-linearibus acutis; corollae aurantiacae tubo calyce sesquialongiori, limbo parvi lobis ovatis; nuchulae magnis a dorso subcompressis valde incurvis acute rostratis tuberculatis, areola umbilicali basilari sessili concava. — Habitat in fauce Duderata montis Elbrus in Persia.
3. *A. GALLAEA* Doiss. 1. c. 118. f — Flavido-virens, tota praeter indumentum brevissimum velutinum totius rigidis albis e tuberculo ortis sparsis, in parte superiori plantae et foliorum marginibus copiosioribus strigosa. caulibus procumbentibus elongatis, inferne denudatis; foliis oblatis, inferioribus oblongo-lanceolatis, floralibus oblongis ovatisve, basi cordato-subauriculatis, flores superantibus; racemis demum valde elongatis foliosis laxis; calycis adpressiuscule et praesertim inferne albo-strigosi laciniis lanceolato-linearibus, tubo corollino brevioribus; corollae aurantiacae, fornicibus pliciformibus minutissimis glabris; calyce fructifero dolico, laciniis erecto-patentibus; nuchulae magnis profunde reticulato-insculptis valde curvatis, areola umbilicali ad curvaturae extremitatem rostro opposita sita. — Crescit in agris derelictis in descensu ad urbem Tiberiadem.
4. *A. ROSTELLATA* Boiss. 1. c. p. 119. f — Tota densissimum velutino-cana solis nonnullis basi tuberculatis adpressissimis intermixtis; caulibus pumilis; foliis radicalibus oblongo-lanceolatis acutiusculis in petiolum attenuatis, caulibus bracteis linearibus lanceolatis; calycis sericeo-hirsuti laciniis linearibus lanceolatis acutis; corollae flavae tubo calyce subduplo longiori, limbo parvi lobis rotundis; nuchulae parvis eximie et minute tuberculatis. Nuchula fere recto incurva, in rostrum valde attenuata acutis, areola umbilicali basilari in collum contracta oblonga, amice acuta rostellata. — Crescit in Taurorum montibus.
5. *A. VISCIDULA* Boiss. 1. c. f — Tota villosa brevi viscido secus caules et calyces subtuto non tuberculato mollis grisea: foliis oblongo-lanceolatis acutiusculis, radicalibus In petiolum attenuatis, floralibus ovato-oblongis calyces paulo superantibus; caulibus ascendentibus mediocribus; calyce breviter pedunculato patule albo-hirsuto viscidulo, laciniis basi latiori linearibus setaceis; corollae luteae tubo calycem parum superantem, limbo parvo; nuchulae parvis albidis valde incurvis scrobiculatis, tuberculis elevatis basi confluentibus dense obsitis, areola umbilicali basilari subspitata. — Crescit in monte Akdagh Tauri.
6. *A. MACROSIPION* Boiss. & Heldr. 1. c. 120. t — Tota setis albis patulis, basi tuberculosis brigosa, inter setas pubescenti-viscida: caulibus procumbentibus superno ascendentibus ramosis; foliis radicalibus oblongis vel oblongo-lanceolatis, basi attenuatis,

caulinis basi rotundatis ellipticis, omnibus obtusis; racemis bipartitis, post anthesin clongatis; bracteis late linearibus oblongis, calyces acquantibus; calycis strigosi quinquepartiti lineariis credo - patulis lanceolatis obtusis; corollae purpurascens tubo calyce plus duplo longiori, limbo brevissimo a tubo vix distincto, lobis erectis ovatis; anthesi sub medio tubo inseritis; plicis faucibus vix perspicuis glabris; nuculis profunde reticulato-sciobiculatis valde incurvis, curvaturae ramis inter se aequalibus subparallelis, arcola stipitata basilari. — Crescit in rupestribus submontosis ad Alaya Pamphyliac.

- 7 A. MACROPHYLLA Boiss. tt Heldr. 1. c. 120. f — Caulibus ascendentibus foliosis frugillimis, superne ramosis, circum ciliato-villosis, inter setas viscido-puberulis; foliis denticulatis acutiusculis linearibus, inferioribus magnis oblongis vel oblongo-lanceolatis, inferne longe attenuatis brevissime velutinis vironibus, setis sparsis basi tuberculatis albis utriusque ut ad margines magis minusve obsitis, caulibus superioribus bracteisque ovalo-oblongis, basi cordatis ut et tota pars superior plantae molliter argyris riliatis; calycis laciniis linearibus lanceolatis acutis; corollae azureae tubo calyce subduplo longiori, ad faucem quinquepartita purpureo-5-vittata; calyce fructifero minimo nullo; nucula parva verruculis basi distinctis conicis obsita, arcola basilari convexa fere usque ad curvaturae apicem extensa. — Crescit in muris Pamphyliac ad Adalia, in muris amphitheatri Perse.

XLVI MYOSOTIS Dill.

(DC. Prodr. X. 101. & 588. — Wlprs. Repert. VI. 561.)

- I. M. (*Cymomyosotis*) IDAEA Boiss. 2t Heldr. Diagnos. plant. nov. orient. XI. 121. f — Annuum pumilum, in fernis et subpatentibus, superne adpressiuscule pilosum; caule basi ramoso; foliis radicalibus obovato-spathulatis, basi breviter attenuatis, caulibus paucis elliptico-linearibus; racemis ebracteatis, fructiferis rectis linearibus; calycis adpresso pilosi laciniis lanceolatis obtusiusculis erecto-patulis; pedicellis sub anthesi erectis, calycem aequantibus, fructiferis clavato-incrassatis, calyce sesquialongioribus erecto-patulis vel subrecurvis; corollae corollulae minimae tubo calyce paulo longiori, limbo exiguo; nuculis nitidis nigris ovatis subcompositis acutis. — Crescit in saxosis regionis alpinae montis Idaei a. h. 5000–6000 ped. et in monte Lazzaro jugi Lassili.
- 2 M. CRETICA Boiss. tt Heldr. in Boiss. I. c. f — Annuum pumilum adpressiuscule pilosum; caule basi ramoso; foliis radicalibus minimis ovato-rotundis subsessilibus, caulibus oblongo-ellipticis; racemis brevibus, basi bracteatis, fructiferis linearibus flexuosis; calycis adpressissime pilosi laciniis lanceolatis acutis erecto-patulis; pedicellis erectis post anthesin non incrassatis, calyce paulo longioribus; corollis minimis albidis, rarius margine pallide caerulescentibus, calyce non longioribus; nuculis ovatis nitidissimis. — Crescit cum *M. Idaea*.
- 3 M. CADMEA Boiss. I. c. p. 122. f — Annuum gracile pumilum adpressiuscule pilosum; caulibus simplicibus vel supra basin vel bis dichotomis; foliis radicalibus obovatis oblongis, basi breviter attenuatis, caulibus paucis elliptico-lanceolatis acutis; racemis demum clongatis laxis subincurvis nudis, rachide vix flexuosa; pedicellis floriferis tenuibus calycem aequantibus, fructiferis incurvo-patulis clavatis in calycem incrassatis et longioribus; calycis adpresso pilosi laciniis lanceolatis acuminatis non conniventibus; corollae tubo brevi calycem vix superanti, limbo amplo patente azureo, fauce lutescenti; stylo brevissimo; nuculis ovatis nitidis acutis. — Crescit in jugo montis Cadmei Asiae minoris supra pagum Khonas silo.
- 4 M. (*Eumyosotis?*) ABYSSINICA Boiss. & Reut. in Boiss. I. c. p. 122. f — Annuum, totum fere patule hispida: caulibus erectis ramosis; foliis oblongis ellipticisque, basi angustatis oblongis. superioribus acutiusculis; racemis vix scorpioideis, basi bracteatis, fructiferis

- elongalis; pedicellis fructiferis erecto-palulis, cujus brevibus*; calyce aili medium usque quinquefido, fructifero erecto, loto palule piloso, pilis baseos uncinatis, laciniis lanceolatis acutis; corollae albae tubo calycis paulo superantem, limbo erecto-patulo; nuculis ovatis compressis nitidis nigris. — *M. hispida* var. *bracteata* Schimp. — Crescit in Abyssinia circa Demerki et in monte Scholada prope Adoum.
5. **M. (Ewnyosotis) HISPIDA* Schleichl. — DC. I. c. 108. no. 15.
var. *grandiflora* Boiss. 8c Eledr. in Boiss. Diagnos. plant. orient. novi XI. p. 121-j. — Corollae limbus major calycem manifesto superans. — Crescit in olivulis et agris Cretae prope Cydoniam.
6. *M. PONTICA* C. Koch in Limnaea XXII. 642. f. — In eremiis, pilis sirigosis canescentibus*, interne dichotomia aut simplex: folia oblonga, radice minora; racemus elongatus aphyllus; pedicelli paululum calyce pilis palulis uncinatis obsito longiores, lacinae calycinae lanceolatae, serius compositae; lacinae corollae parvae erecto-palulae, achaenia brunneo-atra oblonga acuta. — Crescit in Ponto.

Subtribus V. CYMGLOSSEAE DC. I. c. X. 117.

III EURETICAE Schrad.

(DC. Prodr. X. 122. — Wlprs. Annal. I. 526.)

1. *E. (Euretichium) PERSICUM* Boiss. Diagnos. plant. orient. nov. XI. p. 123. f. — Tolum breviter et crispule velutinum cinereum: collo vestigiis petiolorum veterum dense stipato; foliis radicalibus numerosis obovatis obtusis retusisve, in petiolum longe attenuatis, caulibus anguste linearilanceolatis; caulibus 2—4 procumbentibus ascendentibusve, folia radicalia subtriplo superantibus; racemis 1—3 sub anthesi scorpioideo-capitatae; floribus subsessilibus; calyce adpressis birsuto quinquepartito, laciniis elliptico-linearibus obtusis; corolla hypocrateriformi calycem parum superanti, c. sicco albido-flavida, ad loborum extremitatem circulariter coerulescens, lobis obovatis; fornicibus oblongis rotundatis glabris; stylo ovario breviori; nuculis ? — Crescit ad nives deliquescentes in alpebus Hasartschal jugi Elbrus Persiae borealis altitud. 11000 ped.

t Species non satis notae.

2. *E. GLOBULIFERUM* Clos. in Gay, Historia de Chile (Boi.) IV. pag. 464. f. — Scabro-hispidum herbaceo-fruticulosum erectum vel ascendens, a basi romosissimum: ramis fasciato-erectis vel intricato-patulis; foliis linearilanceolatis sessilibus erectis brevibus; spicis terminalibus densissime paniculatis *elongatis* conjugatis; floribus pilis albo-flavidis totis hispida, globuliformibus. — Crescit in republica Chilensi provincia Coquimb.
3. *E. CAPITULIFLORUM* Clos. 1. cit. p. 467. j. — Herbaceum hispidum-subcanescens, a basi multividuum et interdum subcaespitosum: caulibus tenuibus incurvo-sinuatis; foliis linearibus vel oblongis ellipticis obtusis sessilibus erectis; florum capitulis terminalibus fimbriatis densifloris, densissime flavo-tomentosis; corollae tubo brev. — Crescit in republica Chilensi provincia Coquimb.
4. *E. PHACELIOIDES* Clos. 1. cit. p. 468. f. — Erechtum rigidiusculum laxeramosum hispidum-scabrum subnudum: foliis linearibus obtusis erectis sessilibus; spicis ramis terminantibus, conjugatis latis, putentissimis, plano-recurvis densifloris brevibus; floribus majusculis. — Crescit in republica Chilensi provincia Copiapo.

LHL. P&AGIOBOTRYS *Fisch. y Mey.*

(DC. Prodr. X. 134.)

1. PL. CANESCENS Bnih. *Plant. Harbh.* 326. no. 1871. — Pilis mollibus albidis hirta: foliis linearibus vel sinuatis lanceolatis; calycis profundo quinquefolio laciniis lanceolatis, fructiferis sessilibus; nucibus dorso carinatis, transverse rugosis et minutissimo granulatis. — Herba, ut videtur, annua semipedalis, basi ramosa, undique pilis albidis vel in inflorescentia flaviculis vestita. Flores 1¹/₂ lin. longi. Calyx ad duas tertias flaccidus, post anthesin necrescens. Corolla alba, vix calycem excedens. Squamae ad apicem faucis parvae, transverse oblongae, lobis oppositis, limbus (a squamis usque ad marginem) cinnamomifolius, ad medium quinquefolius, lobis rotatis. Nuculae formae *1* *rupestris* similes, sed evidenter carinatae et lineis nonnullis transversis ellipticis cumigatae, undique granulis minutissimis albis notatae, venae valde excavatae, et insertionem strobiliferae. — Crescit in Californiae urcnosis vallis Sacramento.

LY. ~~CHIIVO~~ ~~PERMUJI~~ *Swartz.*

(DC. Prodr. X. 135. & 588. — Wlprs. Report. VI. 562, Annal. I. 527.)

1. E. LATIFOLIUM Hochst. mss. in A. Rich. *Tent.* (I. Abyss. II. 189. — Caule erecto subsimplici pedali, molliter hirta; foliis inferioribus elliptico-oblongis, utrinque acutis, basi sensim in petiolum limbo longioribus desinentibus, utrinque pilosis integris, superioribus sessilibus; racemis paucifloris terminalibus; calycis tripartiti laciniis ovali-lanceolatis acutis. — Habitat in rupibus Abyssiniae prope Mai-Mezanno in districtu Telchekanne.
2. E. ISPAHANICUM Boiss. *Diagnos. plant. orient. nov.* XI. pag. 123. f — Totum setulis tenuibus elongatis adpressis 0 tuberculo ortis cinerascens, obscure virens: caule clavo superne ramoso; ramis erectis; foliis lanceolatis obtusiusculis strictis; calycis adpressae ciliae lobis elliptico-linearibus obtusis, fructu aequilongis; corolla caerulea calyce paulo longior; pedicello fructifero recto fructu subbreviori; nucularum disco oblongo-convexo carinato tuberculato, margine biserialiter aculeato, aculeis omnibus tenuibus glochidiatis, basi distinctis nec inter se confluentibus, serici exterioris utrinque 5 — 6 subdividio brevioribus. — Crescit in Persia ad Ispahan.
3. E. SESSILIFLORUM Boiss. i. cit. p. 124. f — Annum pumilum, basi ramosum, totum setis adpressissimis cinereo-canum: foliis linearibus obtusis; racemis subradicalibus bracteatis, fructiferis valde elongatis laxis; floribus sessilibus minimis; calycis quinquepartiti laciniis elliptico-linearibus; corolla caerulea calycem paulo superanti; fructu secus rachidem sessili pyramidato calycem superanti, nuculis tuberculatis ad apicem usque stylo connatis, sed margine inter se liberis distinctis, disco elongato-triangulari tuberculato longitudinaliter carinato crassiuscule albo-marginato margine aculeis brevissimis conicis glochidialibus uniserialibus coronato. — Crescit in Persia prope Ispahan.
4. E. COELESTINUM Wght. *Icon. pi. Ind. or.* IV. tab. 1394. — Excipiens foliorum venis subtus ramisque junioribus parce pubescentibus: caule credo ramoso; foliis radicalibus magnis reniformibus cordatis integris glabris, basi sub-9-nerviis, apice subcuspidatis, caulinis ovato-lanceolatis sessilibus; racemis ebracteatis dichotomis; calyce 5-partito, lobis ovatis obtusis; corollae tubo calycem subaequantem, limbo quinquefolio patente, lobis orbicularibus; nuculis ovalibus depressis membranaceo-alutis, margine glochidialibus medioque setulosis. — *Cynoglossum coelestinum* Lindl. ? — DC. Prodr. X. 151. no. 23. — In India orientali habitat (Bombay, Uelgaum).

LVIII. TRACHEIAWTHUS Knze:

(Knze. flot. Zeit. VIII. 665.)

Calyx quinquepartitus, laciniis inaequalibus, interiorc breviorc, ereclis ellipticis subretusis, corollae dimidio vix longioribus. Corolla iubulosa, -dimidio superiore attenuata quinqueloba, lobis erectis truncato-obtusis, basi extus bicucullatis, fornicibus dimidio loborum brevioribus, c basi dilatata bigibbosa ovalis obtusis glabris. Stamina fauci inserla filamentis anthera brevioribus, antheris sagittalis, connectivo Inmcato emarginato apiculatis, intrn sinus loborum corollae exsertis, fornicum longitudine. Discus nectariger quadri- ad quinquelobus. Ovarium pro fund e quadrilobum. Stylus subulalus, longe exsertus, basi dilalalus. Stigma punctiformo persistens. Nuculae plerumque quatuor, sive abortu pauciores, basi clausac, columnae centli et styli basi affixae subovatae, parum convexao immarginatae glochidiato - cchinatae. Semen pendulum, radícula brevi, cotylodonibus orbiculalis planis venosis. — Corolla *Cerinthos*, fructus *Cynoglos&i*.

1. TR. CERLNTIIOIDES Knze. 1. c. ft Icon in mus. hort. bot. Lips, incdim. — Glaberrima glaucescens: caule elalo crasso tereti, superne corjmboso paniculato-ramoso; foliis rigidis coriaceis nervoso-venosis, subtus tuberculis iwnulis calcaris pncissimo ob-siis, radicalibus amplis oblongis, basi angustatis petiolo longo suJtuis, coulinis sessilibus a basi latiori sessili cordata rotundaio-auneulaia oblongo-lanceolatis, omnibus obtusiusculis mucronulatis; racemis toriinalibus abbreviatis, basi bracteoatis; pedicellis sub Qntbesi tenuibus roctis calyci aequilongis, fructiferis incrassati9 patulo - recurvis fructu triplo longioribus; ; calycis gimbri ad basin usque quinquepartiti laciniis oblongis obtusis, basi subangustatis, iruciferi subdilalalis; corolla iubulosa calyce"icrtia parlo longiori ad medium usque quinquelfda, laciniis rccis lanceolatis obtusis, basi cxius saccato-bigibbis rubris flavo-marginalis; fornicibus ad basin corollae loborum insertis a basi triangulari lanceolato-linearibus ierfliusculis oblusis glabris; antheris subsessilibus sub corollae sinus longe linoaribus corollam subacquantibus; nuculis calycis longiludine con\exo-depressis, nullo margine cinclis, aculeis glochidialis luberculiformibus brevissimis omnino obsitis — *Solenanthus cerinthoides* Boiss. Diagnos. plant, orient, novar. XI. 127. f — *Solenanthus coccincus* Hort. ScbOnbr. — Habitat in Persia boreali ad radices montis Demawend.

LVIII. CYIYOIIOSSHJIFI Tournef.

(DC. Prodr. X. 146. ft 588. — Wlprs. Annal. I. 527.)

1. C. PARVIFOLIUM C.Koch, Linnaca XXII. 645.f— Caulis ramosus villosus; folia radicalia longe petiolata oblonga, caulina sessilia lineari-oblonga, omnia parvn villis minus crebrioribus insrucla; racemus plorumque duplex 9—12-florus; calyx albo-strigosus, corollam paululum minor; achania 1 parva planiuscula, margine prominulo destitute ; aculef bimali. — Habitat in montibus Ponti.
2. C. SPHACIOTICUM fioiss. fiffleldr. Diagnos. plant, orient, nov. XI. p. 125. f — Totum inolliter hirsulum cinerascanti-virens: rhizomate crassiusculo proslralo" caules plures pumilos foliosos rectos edenti; foliis inferioribus oblongo-lanceolatis in petioluii attenuatis, caeteris scssilibus vel seuiamplexicnulis oblongo-lmearibus, omnibus oblusis, facio superiori densius hirsutis; raceims 1 — 2 lefminalibus cbraceatis pauciflons brevibus, rhacliido nexuosa; pedicellis fructiferis leclis fructus longiludine; calycis

adpresec birsuli lobis rotundatis; corollae alroviolaccae lobis rotundatis; fornicibus oblu[^]issimis papillosis fauccm claudentibus; imculis calyce multo longioribus convexo-depies&is, nullo margine cinclis, aculois rufescenlibus glochidiatis dense obsitis. — Crescit raro in summo vertice Siravopddia monium Spliacioicorum all. 7000 ped.

t loon addenda.

t: FURCATUM Wall. - DC. 1. c. 149. no. 14. — Wgbt. Icon, plant, hid. or. IV. lab. 1395.

LIX. OIUPHAIiODES *Tournef.*

(DC. Prodr. X. 158. — [Wlprs. Ropert. VI. 563.])

I 0. PONTICA C. Koch, Linnaca XXII. 646. f— Perennis pluricaulis ramosa nlbo-villosn, sed villi caulini luberculo piano albo incidences: folia oblonga integrrimo, radicalia pctiolata, caulina sessilia racemus 5—8-llorus, demum clongalus subsecundus; flores remoti, podunculo suo mitiores; calycis laciniae oblongac, denique roflexae; nuculae denique basi et stylo solulae, ox apico styli dependentes ovalo - acuminaiae cchinalae, alac glaberrimao lacvissimae, sed marginq iuflexac cchinato - tuberculatac. — C rose it, in Ponio.

'£ 0. PAVONIANA Boiss. Diagnos. plant., orient. nov. XI. p. 128.+— G la bra: caule folialo oi'ccto, superne ex axillis superioribus racemoso-paniculato; foliis caulinis omnibus scssjilibus, basi bubcordaio-auricularis ovalis acutiusculis, praeter nervos medios pn-marium et ctundarios nervis binis margini parallelis semicircularibus ante apicem tonnueniibus j»ercursis; racinis J)aucifloris brevibus cbracloatis; pedicellis ciecto-»atuiis, calyci posl anthesin accreto acijuilongis; calycinis laciniis lanceolalis serrulato-duiuiculalis palulis; corolla alba calyce subbreuiori; nuculis-disco pubescenlibus, margine inilexo longe cchinalo - cilialo cinclis. — Crescit in Hispaoia.

LXQ. PABACABYUM *Alph. DC.*

(Uuiss. Diagn. pi. nov. orient. XI. 128. — *Omyhalodut* sect. 2. *Paracaryum* Alph. DC. Prodi. X. 139. J. 1. — *Malliac* spec. DC. I. c. 169. §. 3.)

Calyx quinque- vcl subquinquepartitus. Corolla infundibuliformis, limbo erccto palulo breviter quinquelobo, fauce clausa fornicibus ob-lusis. Slaniina quinque inclusa, antheris clipticis linearibusvc, filamento lon.L'ioribus. Stylus simplex. Stigma punctiformi-capilatum submargi-natuin. Ovarium quadrilobum. Nuculae quatuor depresso - planae, venire si[^]lo pyramid a to lateraliter aieola elongata affixae, membrana vol introflexa calalhiformi vel plana intcgra dentatave marginatae, disco luberculatae, rarius laeves. Semeñ pendulum, radícula süpera, cotyle-donibus oblongis ovatisve radícula majoribus. — Herbae Orientales monlauae habilu et floribus *Cynoglossi* donatae.

Sect. I. *EUPAPiACAHYUM*. — Nuculae margine inlroflexo bullato undulato urceolatae.

t 'P. MICRANTHUM Boiss. Diagnos. plant, orient, nov. XI. p. 129. — *Omphalodes inter-media* Dcaisnc. — Croscit praeier Arabiam pelraeam ubi in jugo Sinaitico frequens i[^] in desertis Aegypti superior[^].

- var. a. *urceolatum*: margo nuculae dilatatus, intus valde inflexus transverseque «plicatus» et ideo nucula urceolaris. — *Omphalodes papillosa* DC. 1. c. 159. no. 3.
- var. p. *calathiformis*: margo nuculae angustior, margin e parum inflexus denticulatus; nucula calathiformis. — *Omphalodes micrantha* DC. 1. c. 159. no. 2. — Ambo forrae promiscue crescunt et citim saepe in eodem specimine ab una ad aliam transeunt.
2. 'P. RUGULOSUM Boiss. 1. cit. p. 129.f— *Omphalodes rugulosa* DC. 1. c. 160. no. 7. - 0 *myosoioides* Schimp.
3. T. PERSICUM Boiss. 1. c. p. 129. f— *Omph. Persica* Boiss. — Wlprs. Reperl. VI. 563. no. 1
4. P. UNDULATUM Boiss. Diagnos. plant, orient, nov. XI. p. 129. f— Totum pilis longis tenuibus e tuberculo ortis, caulis deilexo-patulis, foliorum patulis hispidum asperulum caulibus erectis foliosis longe paniculatis; foliis lanceolatis aculis, margine grosse et irregulariter undulato-crispis, radicalibus in petiolum longe hispidum attenuatis, caeteris sessilibus; paniculae ramis abbreviatis paucifloris; calycis adpresse hirsuti laciniis ellipticis; corollae caeruleae tubo calyce subbreviori, limbi lobis ovatis; fornicibus triangularibus obtusis brevissimo papillosis; stylo ovario paulo breviori; nucibus. . . . ? — Crescit in schistosis montis Elbrus prope Derbent in Persia.
5. * P. HIRSUTUM Boiss. 1. cit. p. 130. f— *Omphalodes hirsuta* DC. 1. c. 159. no. 4. — Caules clatiores et indumentum multo strigosius et asperum eo *P. Canensis*, a quo praecerea differt nuculis margine valde inflexo muricato - bullato urceolatis nee margine vix flexo integro concaviusculis, aculci globidiati ad discum siti iis aliarum specierum praeterea longiores sunt.

Sect. II. *MATTIASTIUM*. — m Nuculae margine planiusculo rectiusculo instructae planae vel concaviusculae.

6. 'P. MYOSOTOIDES Boiss. 1. cit. p. 130.f— *Cynoglossum myosoioides* Boiss.— *Omphalodes myosoioides* Schrnk. — DC. 1. c. 159. no. 5.
7. 'P. CARIENSE Boiss. 1. cit. p. 130. f— *Omph. Caricensis* Boiss. — DC. 1. c. 159. no. 6.
8. P. LAMPROCARYUM Boiss. 1. cil. p. 131. f — Totum pilis albis longiusculis patulis, basi tuberculatis rigidulis asperum griseum: caulibus erectis clavis, superne stridite ramosis; foliis lanceolato - linearibus linearibusve obtusiusculis, inferioribus in petiolum attenuatis, caulinis sessilibus; racemis fructiferis elongatis laxis unilateralibus, rectis; pedicellis axi striculis fructu subbrevioribus; calyce ovato - rotundo palule et dense albo-strigoso, laciniis ellipticis; corollae brevis intense violaceae tubo calyce incluso, limbi rainuti lobis ovatis; fornicibus ovalis crassiusculis papillosis, limbo vix brevioribus, e fauce exsensis; nuculis planis orbiculari - ovatis glabris, disco albo nitido ala rubella integerrima cincto; stylo brevi fructum superantii. — Crescit ad rupes Antilibani orientalis supra Souk wadi Barrado, in via inter Damascum et Zebdani.
9. *P. AUCHERI Boiss. 1. cil. +— *Mattia Aucheri* DC. — DC. 1. c. 169. no. %
10. * P. GLASTIFOLIUM Boiss. 1. cit.f— *Matlia glastifolia* Don. —DC. 1. c. 169. no. 8.— *Cynoglossum glastifolium* W.
11. *P. ANGUSTIFOLIUM Boiss. 1. cit.f— *Mania angustifolia* Don. —DC. 1. c. 169.no. 10. — *Cynoglossum angustifolium* W.
12. *P. LEPTOPHYLLUM Boiss. 1. cit.f— *Matlia leptophylla* A. DC. — Alpb. DC. 1. c.170. no. 1b».
13. * P_k CRISTATUM Boiss. 1. cit. f — *Mattia cristata* Don. — DC. 1. c. 170. no. 12.
14. * P. CORYMBIFORME Boiss. 1. cit. f— *Matlia corymbiformis* DC. 1. c. 169. no. 7.
15. P. AZUREUM Boiss. ft Heldr. 1. c. 131. f — Totum pilis adpressissimis e tuberculo ortis canescens: rhizomate indurato caespitoso; foliis anguste lanceolatis - linearibus obtusiusculis, radicalibus in petiolum longe attenuatis, caulinis paucis sessilibus linearibus; caulibus folia radicalia 2—3-plo superantibus, superne in 2—4 ramos nudos divisiis corymboso-paniculatis; calycis adpresse villosi laciniis elliptico-linearibus obtusis; corollae intonse azureae tubo calycem aequantii in limbo campanula*

turn, apico in quinque lobos rotundatos ilivisum co paulo longiorcm sensim ampliato; antlicis brevi filamento suffultis corollae sinus aequantibus; fornicibus gntheram. didinm viv aequantibus linearibus, apice tridentatis, dentibus lateralibus rotundatis gibbiformibus, intemedio obliquo linearibus, aliis duplo longioribus; racemis fructiferis elongatis unilacris; pericellis erecto-patulis, fructu duplo longioribus; nuculis plain's innrgine recto integro aut obsolete denticulate* circulariter instructis orbiculatis, disseo parvo et breviter tuberculatis. — Crescit in collibus aridis prope Ghelindost inter Karogatschi et Koniah in Lycaonia.

Hi. 'P. LONGIFLORUM Boiss. 1. cit. pag 132. f — *Omphalodes longiflora* PC. I. c. 158. no. 1.

LXI. SOL.E]VA]tfTIUJS *Ledeb.*

(DC. Prodr. X. 163.)

1. S. PETIOLAMS DC. 1. c. 164. no. 2. — Doiss. *Diagnos. plant, orient, nov.* XI. p. 125. f — (Dingn. emendat.) — Totus magis minusve pilis adpressiusculis crispulis pubescens: caule elato folioso sulcato longo et laxo thyrsideo-paniculato; foliis radicalibus et inliniis caulinis longo petiolalis ovato-oblongis, basi cordatis rotundato - auriculatis obtusis, caulinis scirriamplexicaulibus oblongo - lanceolatis, summis abbreviatis ovalis; racemis bractealis, sub, anthesi scorpioideis, dein elongatis laxis; calycis adpresse pubescens quinquepartiti laciniis oblongis obtusis, basi subangustatis; corolla cneulca cnyce terlin parte longiori, sinibus lobisque rotundatis; fornicibus albidis subrotundis ciliaris, sub media parte lobi silis; filamentis albidis corolla duplo fere longioribus, anlicri? parvis ovatis Mavis; pedicello fructifero demum subrecurvo; nucula depressa eclus pinna neulis globidintis, basi dilatatis triangularibus, inferne inter se in crislam subconnatis marginata, disco iisdem aculeis sparsis et tuberculis parvis conieis aculis numerosis cecinaio. — *S. rumicifolius* Boiss. — Crescit in montosis totius Persiae.
2. S. AMPLIFOLIUS Doiss. 1. cit. p. 126. f — Totus magis minusve pilis adpressiusculis minutis pubescens: foliis teneris, radicalibus longe petiolalis amplis ovato - oblongis, basi cordatis, lobis rotundatis, caulinis sessilibus amplexicaulibus ample et rotundatis auriculato-cordatis ovalis, supremis ovalo-rotundis; caule elato sulcato, superne ample paniculato; racemis elongatis bracteis laxis erecto-patulis calycibusque cano-tomentosis; laciniis calycinis oblongo - spatulatis obtusissimis, basi angustioribus; corolla caerulea lubulosa, calycem vix aequanti, lobis rotundatis; fornicibus albidis subrotundis ciliaris sub medio tubo silis; filamentis exsertis corolla duplo longioribus; nucula depressa convexiuscula, disco tuberculato secus lineam mediam aculeato - globulato, circumcirca aculeis pluriserialibus globulatis basi dilatatis eincto. — Crescit in pinguibus umbrosis ad radices rupium Amilibani.

LXII. CACCISTIA *Savi.*

(DC. Prodr. X. 166. — Wlprs. Report. VI. 563. — Boiss. *Diagnos. plant, nov. orient.* XI. 132.)

Nuculae 2—3 fructus saepius abodivae. Styli basis in* alas **latal** crustalco-membranaccas cupuliformes sub nuculis fertilibus expansae Nuculae fertiles 2, saepius 1, compressae planiusculae per areolam **latal*** laeviusculam oblongam cupulae stylari adhaerentes pendulae sed nucit larum binarum abortu plius horizontales. Pericarpium osseo - crustaceum facie exteriori laeve vel magis minusve cristato-rugosum. **S^r** mina pendula compressissima. Radicula brevissima subincurva **hilyon**

spectans. Cotyledones amplae compresso-planae obovatae. — Genus quoad specierum disinctionem hucusque male notura.

1. C. GLAUCA Savi. — (DC. 1. c. 166. no. 1.) — Boiss. *Diagnos. plant, orient, nov.* XI. p. 132. f — Perennis glaucoscens: caule erecto eloto anguloso glaberrimo folioso, a medio vel jnm infra medium ramoso, foliorum costa media decurrenti angulato paniculato; foliis carnosulis oblongis v. oblongo-lanceolatis sessilibus, basi angustatis, ad marginem et faciem superiorem aculeis conicis atque brevissimis subincurvis e tuberculo oris muricatis, subtus nervo medio excepto glabris; racemis paucifloris bracteatis, bracteis oblongo-lanceolatis acutis; pedicellis extraaxillaribus sparsissime aculeolatis, post anthesin cernuis; calycis ultra medium quinquefolii laciniis sub anthesi linearibus, apice aculeis cernuis in setas elongatis albo-penicillatis; corollae tubo calyce duplo longiori, limbi laciniis elliptico-linearibus acutissimis; antheris omnibus inaequalibus, a majori magis exserta ad inferiorem minorem sensim diminutis; calyce fructifero valde ampliato stellato-patenli, lobis breviter triangularibus; nuculis binis ovatis disco plants grosse nervo medio longiudmali aliisque lateralibus denticulato-rugosis, breviter circumcircu dentibus triangularibus crisplis. — Crescit in provincia Aderydjam Persiae et ad radices montis Demawend prope Ask.
- * C. CELSII Boiss. *Diagn. plant, orient, nov.* XI. p. 133. f — Perennis: caulibus erectis laevibus, costa foliorum decurrenti angulatis, in femore rubellis, superne parce paniculato-ramosis; foliis carnosulis glaucis sessilibus oblongo-lanceolatis aculeis, inferne et secus faciem superiorem tuberculis sparsis albis obsolete aculeatis, floralibus lanceolato-linearibus subconniventibus, subtus, margine et ad nervum aculeatis, apice longo setoso-penicillatis; corollae tubo calyce unita parte longiori, lobis linearibus inaequalibus obtusis; anthera superior! aliis inter se subaequalibus duplo majori; calyce fructifero accreto stellato-patenli; nuculis margine recto angustissimo denticulato cinctis, immatura squamuloso-tuberculosis. — *Borrago crassifolia* Vent. Hort. Cels. tab. 100. — A *C. glauca* Sav. differt corollae tubo calycem parum excedenti. — Crescit in Persia inter Amadnam et Teheran.
- * C. STRIGOSA Boiss. 1. c. 134. j — Perennis glaucescens: caule credo glabro vel superno parcissime aculeato, a medio aut infra medium ramoso, raris et costae mediae foliorum decurrentia valde angulato paniculato; foliis amplis oblongis sessilibus, basi brevissime decurrentibus, utrinque aculeis conicis sparsis e tuberculo albo oris strigosis; aculeis costarum et marginum majoribus; racemis demum elongatis nudis; pedicellis valde aculeatis, demum cernuis incrassato-subclavatis; calycis floriferi ad tertiam partem quinquefolii laciniis triangularibus strigosis ciliatis; corollae tubo calyce triplo longiori, laciniis ellipticis acutis; anthera superiori majori, caeteris haec dimidio minoribus inter se vix inaequalibus; calyce fructifero ampliato stellato, laciniis brevissimis triangularibus introtyxis; nucula aolitaria (juniori) disco laeviuscula, margine obsolete denticulate. — Crescit ad radices montis Demawend.
4. C. KOTSGHII Boiss. — *Wlprs. Repert.* VI. 563. no. 1. — Boiss. 1. c. 134. f — A praecedentibus diversa: caule tenuiori bienni?; foliis non carnosulis viridibus nee glaucis; tuberculis dimidio minoribus, setas nee aculeos veros edentibus; nuculis margine inaequalibus neo dentatis; corollae tubo calycem (partem) superat, antherae a superiori majori ad inferiorem sensim diminuantur. — In *Diagnosi VII.* citata corrigendum eat, quod de urceolo membranaceo nuculam foventi (Jictum, qui est basis styli dilatata nee carpellum abortivum).
5. C. RUSSELLII Boiss. 1. c. p. 134. f — Biennis: caule simplici erecto, paulo supra basin ramos noniferos numerosissimos in thyrsum pyramidalem dispositos edentibus; foliis viridibus oblongo-vel lanceolato-linearibus, inferioribus obtusiusculis in petiolum inferne longe attenuatis, superioribus ad basin ratorum et secus ramos sessilibus anguste lineari-lanceolatis acutis, omnibus facie superiori et secus margines tuberculis albis

setiferis aculeatis; calycis laciniis triangulari-lanceolatis acutis erecto-palulis, in fema ad nervum et margines aculeolatis, apice longo setoso-penicillatis; corollae tubo calyce duplo longiori, laciniis linearibus; anthera superiori aliis inter se subaequalibus fere triplo majori; calyce fructifero strobiliformi patenti; nuculis margine erecto angustissimo obsolete reticulato cinctis, disco laevi nitido lineis elevatis paucis irregulariter percurso. — *Dorrayo macranthera* Russ. — *Vaccinia liauwolfii* DC. non C. Koch. — Crescit inter Aleppum et Bir in agris.

LXIV. MATTIJL *Schultes.*

(DC. Prodr. X. 167.)

1. M. BRACHIATHA Boiss. Diagn. plant. orient. nov. XI. p. 127, -f — Tota adpresse puberula cinereo-virens: foliis inferioribus lanceolatis obtusis in petiolura longe attenuatis, caulinis **lirifloribus** sessilibus strictis; caule sulcato, florifero thyrsoidae paniculato; flonibus sub anthesi ad apicem ramorum strictiorum conglobato-capitalis subsessilibus; calycis lobis crispis albis dense obsitis laciniis ovalibus obtusis; corolla alba calyce sesquialongiori, ultra medium in quinque lacinas lineares obtusas reclusas divisa; fornicibus ovato-rotundis reclusis glabris paulo supra basin silis; antheris subsessilibus corolla paulo brevioribus; nuculis ? — Crescit in Armenia vel Persia?

LXV. HIOERA *Pall.*

(DC. Prodr. X. 170. — Wlprs. Report. VI. 564.)

1. R. PUBESCENS C. Koch, Linnaea XXII. 648. f — Erecta ramosissima pubescens: folia inferiora petiolata, reliqua sessilia, trapezoidea aut oblongo-lanceolata, sed basi subito attenuata, imbricata, tuberculis planis et pubescentia instructa; rami stricte patentes; inflorescentia corymbuloso-paniculata; calycis densissime lanatis lacinae lanceolatae obtusae, demum lobum corollinum ex longitudine superantes; nuculae ovato-acuminatae glaberrimae, aequales ex latitudine aequales. — Crescit in Ponto (in valle Tubabautz).
2. R. CORYMBULOSA C. Koch l. c. f — Caulis erectus glaberrimus; inflorescentia corymbuloso-paniculata; folia inferiora imbricata oblonga glaberrima longe **petiolata**, superiora oblongo-lanceolata aut lanceolata, sessilia; calycis lacinae lineares lanatae, longiusculae corollae tubi; stylus exsertus; nuculae ovato-acuminatae, aequales aequilatae. — Crescit in Georgia.

LXVI. TRICHOBESHA *R. Br.*

(DC. Prodr. X. 171.)

1. TR. SERICEUM Lindl. in Mitchell, Journal of tropical Australia pag. 258. adnot. j* — Caule erecto sericeo, selis nullis; foliis oppositis lineari-lanceolatis, basi angustatis sericeo-pilosis; pedicellis pilosis lateralibus longis; calycis lobis **lanceolatis** pubescentibus, basi pilosis; nucis dorso polito maculato. — Crescit in Australia orientali tropica.

t Icon addenda.

TR. **ANDICUM** R. Br. — DC. I. c. 172. no. 2. - Wght. Illustr. of Indian botan. II. tab. 172.

LXV^a STREBIJAIVTHERA *Steudel.*

(Steudel mss. in A. Rich. Tent. flor. Abyssin. II. 92. tab. 78.)

A *Trichodesmate* differt calyce post anthesin vesiculososo-inflato carpellis que circumcirca membranaceo-alalis.

1. * STR. TRICHODESMOIDES Siend. mss. ex A. Rich. Tent. fl. Abyss. II. 92. — *Trichodesma ralathiforme* Hochsl. — Alph. DC. Prodr. X. 173. no. 5.
2. STR. OLEAEFOLIA A. Rich. Tent. fl. Abyss. II. 93. tab* 87. — Caule arborescente ramis teretibus subincanis lomenicillis; foliis suboppositis, brevissime petiolatis lanceolatis acutissimis integris, basi sensim uttenuatis cinereo-tomentosis, subtus pallidioribus; floribus albis pedunculatis; calycis lobis 5-partitis laciniis oblongo-lanceolatis acutissimis, externo pubenti-pilosis; corolla patente nuda, lobis obtusissimis, ad basin macula aurantiaca notata; antheris dorso lanatis, appendicibus antherarum subulatis, spiraliter contortis; achaeniis margine alatis, ala integra semiexpansa. — Habitat in montosis Abyssiniae, prov. Tchelikote.

f *Genus dubiae affinitatis*ad *Ehretiaceas, Nolanaceas* et ad *Myoporaceas accedens.***SCLEROPHYLAX** *Mien.*

(Miers in Hook. Lond. Journ. of bot. VII. 18.)

Calyx quinquepartitus, tubo pentagono brevissimae, laciniis 2 vel 3 elongatis triquetris subulatis, aut interdum expansis foliaceis subcarnosis, alteris brevibus, fructifer auctus. Corolla hypogyna gamopetala, tubo infundibuliformi, sub faucem contractam superne ventricoso, limbo brevi quinqueplicato subcampanulato subbilabiato, labio superiore trilobato, inferiore bilobato, lobis omnibus aequalibus brevibus obtusis, aestivatione induplicato-valvatis. Stamina quinque, tubo corollae inserta inaequalia gracilia, paulo dilatata, uno breviora, alteris subaequalibus, apice incurvato-declinatis, antherae biloculares ovatae, basi cordatae, in sinu affixae, connectivo nullo, rima longitudinali extus dehiscentes. Pollen ovatum longitudinaliter trisulcatum. Ovarium superum ovatum conicum biloculare, ovula in loculis solitaria, apici appensa anatropa. Stylus filiformis, longitudine staminum, apice inflexus. Stigma sublaterale subglobuliformi-capitatum. Fructus e calyce incrassato et demum indurato nucumentaceus lignosus turbinatus pentagonus, vertice depresso et stylo perforato, angulis inaequaliter elongatis, spinisque 2—3 longis interdum terminatis. Carcerula omnino inclusa chartacea indehiscens bilocularis, loculis monospermis (uno antico, altero postico). Semen inversum obovatum, ex apice pendulum, testa tenuis, chalaza apicali raphaeque longitudinali sublaterali notata, embryo in axi albuminis carnosus paulo incurvatus, cotyledonibus oblongis com-

pressis crassiusculis. radícula brevi tereti supera duplo latioribus et triplo longioribus. — Herbae prostratae Americae intertropicae indigenae: caulibus plurimis angulatis flexuosis, divaricatim ramosis; foliis geminatis spathulato-oblongis, cum petiolo conlinuis; floribus axillaribus binis, uno praecociore, insertione pctiolorum fere sessilibus ebracteatis; fructibus* deflexis, plerumque ad axillas deformatim concretis, nodos tumescentes et spinescentes formantibus.

1. SCL. SPINESCENS Miers I. c. 19. f a Illuslr. of S. Am. pi. tab. 25. — Prostrata: caulibus humifusis cliffusis, nodis spinescentibus; foliis geminatis spathulato-oblongis bubcarnosulis glaberrimis aveniis, margino tenui inlegris; floribus folio florifcro brevionbus, omnino glabris; coljcis lobis triquetro - subulatis cornosulis, angulis membranaceis dcum spinescentibus. — Crescit in uliginous salitrosis provinciae Cordovae.
2. SCL. ARNOTTII Miers I. c. 20. + fit Illuslr. of S. Am. pi. tnb. 26. — Nana prostrata: ramulis paucis brevibus; foliis spaihulatis subprilobatis, lobis latcralibus roiundatis subdcltoidrjs, npice obtusiusculis mucronulatis, fere aveniis, margine membranaceis, basi in peiolum longum linearem aitenualis; floribus par vis; calycis lobis inaequaliter foliaceis, in fruclu persiscentibus, ncervis tribus parrllelis retrorsum anastomasantibus noiatis corollaoque tubo brevi vontricoso imo coarctato scabrido pilosis. — Crescit in San Juan, prov. Argentin.
3. SCL. GILLIESII Miers I. c. 21. f ft Illustr. of S. Am. pi. tab. 26. — Planta **rigidior** prostrata: raulibus crasiioribus angulatis floxuosis, nodis valde tumidis; foliis geminatis spaihulnto - ibomboideis nervosis, utrinque glaberrimis nilidis, nervis venisque prominentibus, in peliolum bre\cm lalum altenuatis; floribus folio florifcro longioribus, cauce penlrgono, tubo bieivissimo, lobis inaequalibus folia\cis lineari-lanceolatis, fructifcro valde aucto; corollae tubo paulo ventricosoglabro, genitalibus duplo longiore, limbo quinquelobo oxpansiore subbilabialo. — Crescit ad Rio Diamante proy. Mendozae Argeotin.

Ordo CLVII. HTDROLEACEAE *choisy*.

(Choisy in DC. Prodr. X. 179. ft 588. — Wlprs. Reprt. VI. 565. & 745.)

I. HYDKOLiEA *Linn.*

(Choisy in DC. Prodr. X. 180. — Wlprs. Reprt. VI. 565. ft 745.) *

1. *H. ZEYLANICA Vahl. — Choisy in DC. I. c. no. 1. — Wght. Illustr. of Ind. bot. II. tab. 167.
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Ordo CLVIII. SOLANACEAE *Barti.**)

(Wlprs. Repert. III. 3—126. 933. ft 952b. VI. 566. & 745, Annal. I. 528. & 1001. — Consp. gener. in Wlprs. Keper. III. 953—957. — Dunal in DC. Prodr. XIII. I. 1—690.)

Subordo I. *CUMVEUHJBMJTEA.E* Endl. — Wlprs. Keper. III. p. 3.

Tribus I. *NICOTIANEAE* G. Don. — Wlprs. 1. c.

3838. *FABIATA* Rz. *Sf Pav.*

(Wlprs. Reper. VI. 567. III. 5, Annal. I. 528.)

1. *F. BIFLORA* Remy in Gay, Historia de Chile (Bot.) V. png. 41. no. 2. f — Foliis quara in *F. imbnkata* majoribus, ilorso co*.taiis arcuato - reflexis subpatenubus imbricatis glabris leviter punctaiis; floiibus in apico ramulorum plerumque binis sessilibus. — Crescit in Chile. — Fruliculus.

3839. *XIEREMBEROU* Rz. *y Pav.*

(Wlprs. Reper. VI. 567. III. 5.)

1. *N. PETIOLATA* Rpmv in Gay, Historia de Chile (Bot.) V. pog. 46. f — Caulibus procumbentibus fliformibus; foliis longe peiolaiis glabresceniibus integerrimis ellipticis obiusis; calyce tubuloso quinquefldo decemcostato, ad costas hispido, segroenlis oblongis subacutis ciliatis; corollae tubo gracili, calyce quadruplo longiore; capsula elliptica in calycis ventricosi basi. — Crescit in Chile.

3840. *PETUNIA* Juss.

(Wlprs. Reper. VI. 569. III. 6. 126. & 933.)

- *. *P. CUMINGIANA* Remy in Gay, Historia de Chile (Bot.) V. pag. 50. f — Pubescenti-glutinosa: caule ramosissimo flexuoso teieii miiluflo; podunculis ramosis divaricatis ophjllis; calycis denlibus linearibus; corolla caljce quinquies longiore, pilosoviscosa, tubo dilalato, limbo expanso; staminum (llamentis hirsulis. — Crescit in Chile.

+ Icones ftdendae.

P. ELEGANS Miers. — Wlprs. Reper. VI. 571. no. 14. — Miers, Hlustr. of S. Am. plants tab. 24.

P. OVALIFOLIA Miers. — Wlprs. 1. c. no. 13. — Miers. 1. c. lab. 24.

P. PARVIFLORA Juss. — Wlprs. I. c. III. 7. no. 2. — MJers 1. c. tab. 23..

*) Solanaceae quum jam imprimerentur, Prodroroj Candolleani tomum decimum tertium (sect. prior.) accept, in quo praeier has Plantaginacene onumerantur. Sed addita-Kenta mea delere nolui; non raro opus a Dunalio elaboratum jam suppletia.

3841. *IVICOTIAIVA* Linn.

(Wlprs. Report. III. 7. 126. ft 933. VI. 572.)

1. N. [7yj>sia>dra??] *GRACILIFLORA* A. firaun, nelcct. scmin. hort. Friburg. 1849. pag. 3. — Undique Inxo glanduloso-pilosiusctila: foliis inflmis ovulis obtusis, in potio- lum ahtum attcnuatis, mediis anitis, inferno nitcnunii*, basi auriculaio - dilntali.s, supremis covdnto-amplexicaulibus (non ducurrentibus), laic ovnlis cuspidato-acumma- tis; paniculn di- vcl iricbotomn, mm is Inxe rncemosis; calyco regulnri, dcnlibus elon- gnlis linearibus cnpsulnm mnturnm siiporanlibus; corollno tubo gracillimo cilmtrico, culyce soxiet longiore, superne dilalnto, limbi laciniis nculis; sluminibus nequilongis, summo Lubo inserlis sub.sos.silibus. — Flores nlbi, exclus jionnumquam violascentes. — Ilabildt in Mexico.
2. N. *ROKMERIANA* Scheele, Linnacn I. c. 767. f — Caulis erectus herbacous angulatus pubescens. Folia ampin mnplcxicaulia rllipticn basi cordaia anastomosntia undulato, abrupte ncmiiiatn ininutisiimp grnnulota, neivo venisquo sparse et minute strigosa, caeierum glabriuscula. Raecmus terinialis pnuci-(6—7)-Horns, flores praescrtim in- feriorcs romoti. Pedunculi erecii pubescentes, apicc incrassali, calyce vix breviores. Calyx ultra medium quinqctldus veritricosus dccemnervis, nervi muricaii, lacinae e basi trinngulari laiori liucnri-subulatac, tubo suo capsulnque longioros. Corolla nivea hypocrulenformis. Tubus corollinus c]indricus grncilis longissimus puberulus, calyce fere tri|>Io, limbo suo expanso triplu longior, limbi lacinae late ovatae globrae bre- vjssiine npiculatao. Calisula bilocularis bhalvis ovatn glnbra polysperma, calyce dimi- dio brovior, valvao liilldae. Scininn alrofusca cliipiicd irigona, transverse rugosa. — Crosscil in Texado pi ope Neubraunfels.
3. N. *PAUCIFLOUA* Remy in (Iaj, Historia de Chile (Rot.) V. pag. 52. f — Caule stricto snnplici.ssiinu puberulo Icreli; fulns potiolutis, inferioribus ov:ilis nculiusculis, superio- ribus nngiittalo -liuearibiis, oinribus* pube^cenlibus; floribus pnucis, 2—7, niognis pe- dunculntis; calyco glaiuiuloso-pubescenti, laciniis angusiis; corollae tubo calyce multo longiore; capsula calyce tecta — Chili, nd Coquimbo.
4. N. *MIERSII* He my in Gay I. c. p. 56. f — Yiloso - viscosn: caulibus striclis rnmosis; foliis radicalibus sicllulntis, in pciololum ottenuatis lanceolalis acuminatis repandis, caulinis sessilibus linenribus angustis; floribus paniculntis, parco peiiolalis; corolla parva, calyce subduplo longiore; capsula inclusa. — Crescil in Chile.
5. N. *CORYMHOSA* Iemy in Gay I. c. 57. f — Caulibus asceudentibus, « basi ramosis sulcatis; foliis longc peiiolaiis oblongis subacuminntis obiusis puberulis, mnrngibus undulato-crenatis; floribus iircnonbus axillaribus, suminis ad npicem rami 3—6, cd- rymbosis; calycibus glanduloso - birlis, capsulam includentibus; corolla parva, calyce duplo longioM*. — Crescjt in Chile.
6. N. *LYCILNODKS* Homy in Gay I. c. p. 57. f — Caule stricto parce rnmoso, pilis albis pluricellulatis obsilo; ramis paiallelis; foliis inferioribus peliolatis oblongis cilialulis intcgii obiusalis, superioribus lineanbus sessilibus; floribus paniculatis; calycis piloso- glandulosi tubulosi dentibus inaequalibus, lineari-spalbulalis; corolla parva, calyce vix longiore; capsula inclusa. — Of esc it in Chile.

DICTYOCALYX Hook. fa.

(Wlprs. Reperit. VI. 572., Annal. I. 528.) omnino delearur, nam:

DICTYOCALYX *MIERSII* Hooff. 01. (Wlprs. Annal. I. 528. no. 1.) = *TUINOGETON* *MIESHS* Miers.*DICTYOCALYX* *MULTIVALVIS* Hook. fil. (Wlprs. Reperi. VI. 572. no. 1.) = *POLYWCLIS* *MULTIVALVIS* Miers.*DICTYOCALYX* *QUADRIVALVIS* Hook. fil. (Wlprs. I. c. no. 2.) = *POLYDICLIS* *QUADRI- VALVIS* Miers.

3841A. POIJYDIXIS Miers.

(tillers in Jardine fit Selby, Ann. of natur. hist. [2. Ser.] IV. 361. — *iMcohanac* sect. IV. *Polydicha* G. Don. — Wlprs. Repert. III. 12. excl. §. 1. 8c §. 2. no. 34.)

1. 'P. (NICOTIANA Pish. - Wlprs. Repert. Iff. 13. no. 33.) QUAURIVALVIS Miers I. c. 362. — *Dictyocalyx quadrivalvis* Hook. III. — Wlprs. I. c. VI. 572.
2. *P. (NICOTIANA Lindl. — Wlprs. I. c. III. 13. no. 35.) MULTIVALVIS Miers I. c. 362. — *Dictyocalyx multivalvis* Hook. ill. — Wlprs. 1. c. VI. 572.

3843. HHECTOUXIA H. li. Knth.

(Wlprs. Repert. HL 14.)

1. N. BELLA Miers in Jardine and Selby, Annals and Magazine of natur. history (2. Ser.) IV. p. 138. & III. of S. Am. pi. t. 40. f — lloibncea: caule striaio; foliis cordaiis ovntia acutis, uirique sparse cl mollissime pubescentibus; (lore cernuo; staminibus infra faucem corollae omnino inclusis; flamenis superne in ligulam laiam membranaceam expansis. — Habitat in Mexico.

3844. IKEARCKEA L. C. Rich.

(Wlprs. Repert. III. 14.)

1. M> (?) LON6IFLORA Miers in Jardine and Selby, Annals of natural history (2. Ser.) IV. p. 186. ft III. of S. Am. pi. t. 45 + — Scandens: ramulh glabris compressis; foliis ~~alternis~~ oblongis, apicu repenle ncummulatis, e medio ad basin subalienualis, breviler Petiolatis coriaceis glaberrimis opacis; race mo subbrevis pauciflora; corolla calyce 4—5-plo longioro, tubo supra medium cjluliceo-camponulato, limbi laciniis ovatis, subreflexis; staminibus inclusis. — Habitat in insula Trinilatis.

Tribus II. DATUREAE G. Don. — Wlprs. Repert. HL 15.

3845. DATURA Linn.

(Wlprs. Repert. III. 15. 8c 933. VI. 573, Anna!. I. 528.)

- *. "D. HUMMATU p. PASTUOSA N. ab E. - Wlprs. I. c. 17. no. 13. - Wght. Icon. pi. Ind. or. IV. t. 1396.

3846. SOItAtfDRA Swrtz.

(Wlprs. Repert. III. 18. [VI. 573.]

1. S. LAEVIS Hook. Bot. Magz. tab. 4345. f — Van Houtte, Flore des serres IV. tab. 3t3. 314. — Poxt. fit Lindl. Flow. gard. I. 171. Hg. 108. — Fo4ns obovato-ellipiicis glaberrimis laevibus; calycis bilabioti tubo 5-angulato-nlato, labiis subacqualibns aculii;

coioliæ Qlbæ tubo calvcem duplo exccdente 5-costato, sursum ampliãlo ventricoso, ore coniracto, limbi patentis reticulaum venosi lobis margine undulato - cnsptis — Habitat ?

t **Species indeserlpta?**

& PLATANTHA Hook mss ex Lindl 8: Paxton Flow gard I 173 Ilg 110

t + **Species exelusae,**

S LONGIPES Sendtn = DYSSOHIROMA LONGIPCS Mieis
S VIRIDIFLORA Sims = DYSSOCHROMA VIRIDIFLORA Micrs

3346A/^ **JIYSSOCHROJK* Mien.**

(Miers in Jardine and Selby Anntls ot naluial lustoiy [2 Sir] IV pag 250)

Calyx ma^nus pentasepalus persislens, sepala Janceolata acutis-sima, pnmum marginibus in tubum qmnque-an^ulatum conniventibus scmicylindiica, denium hbcra eiccl/i Corolla camosa, tubo imo cylindrico annulate*, supemc intundibulifoimi aut ventricoso-campanula to, 15-ncrvi, limbo acquilongo quinquepaililo, laciniis aequalibus longe lanccolatis acuminalissimis integns tneiviis circinnato-re\olutis, aestivatione ^alvatlb, maipimbus tomenlellis subintroflexis Stamina quinquu, acqualia, ad conslnclionem lubi adnala eiecta, longissime exscrtã filamenta subulata imo incrassala el stncco-pilosa, superne glabia inlljtuc linr ues, apicu inacionulalac, imo coidatae, in sinu dorsi affixac biloculaits, oculis conntclivo an^uslo paiiallele adnatis» inlus lon^itudinaliter dehiscentibus Stylus oreclus, staminibus longiusculij^, apict inuasbatus stigma bilobum lobis oblongis adpressis, intus et marginibus iccurvis felanduloso-viscosis Ovanum coiucum, disco carnosu ma_rno nnposiLum, biloculaie, placentis centrahbus dissepimento adnalis multiovuldliis fiacca, caelcia i_bnola — SuiliuUces BrasiJjenses scandentes ^labn folia alterna, in lanns laxa, in tunonibus floientibus fasciculata elliptica acuminata, floies pedunculati, e fasciculis sohtaru ceinui siccilalt mgucantts, coiolla albido-vnidescens

- 1 D VIRIDIFLORA Mjers 1 cit p 251 — Folns elliptico-oblongis, utrinque attenuatis, ghbns pcliõhtib dcciduis flonbus niagms solilarus, cnlyce glabemmo, corolla tubo VJiidscenlt limbo luutlo - albescentt — *Solandia viidi/lota* Sims, Bot Mag tab 1948 — Wlprs IUjcil HI 19 no 3 — Habitat in Biauliae provmen Rio de Janeno
- 2 D LONGIPES MILIS 1 til p %ol — Frulitosa glabra folns congestis glabns, utrinque acuus integrcrnns, flonbus nutanlibus, pedicellis concern subiequantibus vel superaniibus, fiuculeiis valde elongatis, caljce quinquepaitito, corolla infundibulilormi, e basi sensim dilaiata, limbo breviicr quinquefldo, laciniis acuus revoluiis, stigmatc longissimo spatío in stylum decuntnte — *bolandia longxpes* Sendtn — Wlprs JEleper VI 573 no 1 — Habitat in Brasilia ausliãli

Tribus 1U **HYOSCYAMEAE** Endl — Wlprs Repert III. 19.

3847 **HYOSCYAJKUS** Tournef.

(Wlprs Repert III 19 ft 933 VI 573, Annal I 528)

1. H SYSPIRENSIS C Koch, Linnaea XVII 736 — faulis pauciramosus erectus, inferne canescens, luperne villosus, vix pedaiis, folia radicalia et caulina oblonffa, utrinque

3 — 5 grosse strata, serris obiusculis, canescenti-pubescentm, vix ultra pollicana, peliolo aequilongo (ciulina brevien) insidcm, floraln oblonga sinuato - dentata aut Inlegriuscul |, sessilia canescptia, calyces fiuctileu secundi, spicim densiusculam referenes, basi villosj ses&iles, niedio paululum constucti, launiis triangular! - pungentibus paulis — desert in Asiae minons disu bber

£ II PICTUS Dernhaidi mss (Wlprs Repert III 22) — Miers, Annal of nat hist (2 Ser) V 469 — Viscido-pilosus folns ellipticis nculis sub-3-lobis infra medium saepe repandis vel sinuuis subamplexicaulibus, rhachi, ncivis maigineque lanato-pilosis, flort bievitei pedunculalo, c\ule, pedunculo caUccque pungente imo ventri coso Iamto - pilosis corolla vcnlucosa ghbn sulphuiea, venis violacois reticulalim picti, id venlicm subflss.1, intus Jino nnculas magms 5 violaceis ormla, limbi lobis subaequalibus oblu&is, filinents. lutei* anihcus violaceis inclusis — Habitat

3847A PHYSOCHLAINA G Don.

(Miers, Ann of nat hist [2 Ser] V 471 — *Uyoscyami* seat II *Physochlaina* G Don — Wlpris Reprtrt III Zi)

- ¹ PH DAHURICA Miers, Ann of nat hist (2 Ser) V 471 — Caule violascente folus delioideo ovitis acuiis, bisi auriculdto-cordilis, tune subito atuminaiis tl in peliolum crassum dcurrentibus, lhaclu vim&quo purpuiascentibus, utnnque glabernmis, panicula terrainali lanato-pilosa gemtalibus mctusis — *Hyoscyamus physaloides* Turcz (Linn '?') — Dahuria
- 2 PH RUBRICAULIS Miers 1 c — Caulibus crises subprostratis subflexuosis rubescentibus, nodis cupulanbu^ cum peliolo ailiculatis, folns oblongo - ovatis acutis repando-undulalis, basi obtusis, in peliolum crassum canaliculatum longe decumentibus, utnnque glabernmis, rdtuno conmboso leuninali rufcscenie paucilloio, pedicellis incurvis calycibusque fuscia dense planduloso-pilosis, corolla glabra puipuiascentie, lacinnis ovatis lolundatis, stamimbus inclusis, stylo declinato exserto recurvo — *Hyoscyamus physalotdu** Sweet But 0 gaid J tab 12 — Ciescit ?
- ³*PH (BELCNIA Dene In Jacquem |o| Bot 114 tab 120) PRAEALTA Miers 1 c 473. — Herba perennis, pihs bievibus lansque viscidulis iota inspeisa folns e^parte infra medium lanceolatis, imo delioideis, subito acuminatis el in peliolum inçrasaatum decurrntntibus, supra glabns, subtus, ihachi crässissima el in venis prominenubus viscidulo - pilosis, pamcula terminali elongata ramosa, lamis longis laxiflora, pedicellis caljce longionibus bracteatis cernuis, demura elongatis erectis, caljce brevi urceolato, dentibus 5 brevibus reflexis, frucufero valde aucto el submcurvo, corolla viridi. lulescente, venis vindibus picla — *Hyoscyamus praealtus* Wlprs Repert III 21 no 16 — Habitat in India oientali boreali

3848 %3nSOI>US Ink

(Wlprs Repert III 22 — Miers, Annal of nat hist. [2 Ser] VI 37 — Nihil novi)

3849 SCOPOMA Jcq

(Wlprs Repeit III 22 — Miers, Annal ol nai hist [2 Ser] VI 36 — Nihil novi)
HI

Tribus IV *SOLANEAE* Endl — Wlprs. Repert. III. 22.3850/x. *PHRODUS* Mten.

(Miers in Janline and Selb), Annals of natural hisloi [2 Sci] IV pag 33)

Calyx urceolato-tubulo^{us}, usque ad medium qumquedentatus, dentibus aculis, peisistens. Coiollg Infundibuhformis, tubo imo contracto, superne amplioie, limbo quinquepaililo, lacinns oblongis ^el rotundatis, expansis, ^ aestivationo induphcato-\al\atis Stamina quinque, subinacquaJia", lon^e txuta, filamenta fihformia, in coaTctatione tubi adriala, imo \illosa, hint Uabia, anthciaio ovatae bilobae, sine connectivo apicifixdc, lobis adnatis, uma laleiali longitudinaliter dehiscen-tibus. Ovanum ovalum, into glandula annulan cinctnm biloculare plu-uovulalum, placentis incrassalis dissi pimento utunque adnatis. Stylus fihfoirms, lon^{it}udino staminum. Shgma cla\?itum obsolete biloburn. Bacca globosa, apicc cornea, calyce distenso arete mclusa biloculans polyspeima. Semina compiessa remformia. Embryo m albumme car-noso tcies arcuntus, radícula ad angukim basilarem speclanle, coty-ledonibus semileictibus feie aquali.— 1 rnhculi Chilenses ramosissimi: folia minima encoidca carnosula, ilorrs solitain axillares pedunculali.

- 1 *PH MICROPiniLUS ALJOIS 1. cit p 33 a Illusti ol S Am pi t 42A — *Alona mi-cioyhylla* Mieis — Wlpis Ucepit M 549 no 8 — Habitat in Chile prov Coquimbo.
- 2 PII UHIDGLSII Miers 1 cil p 34 & III of S Am pi t 41 — Fruticosus ramuhs elongatis teneris sub» istendonlibus, loins fnsiculaaiis spatliulnto-lineanbus subcar-nosis, superne canaliculalis, subtus convexis, ulnnque viscoso - puboscenlibus, corolla eulyee inplo longioie, stamimbus subinacqualibus, longe exserlis, stylo aequilongfs. — Habitat m Chile ad Coquimbo
- i Pfl INODOSUS Mieis 1 cit p 35 .& III of S Am pi tab UB — Frulicosus ramulis* nodoso - llexuosis subascendenlibus, folns fasciculatis spathulato - lineanbus cainosis~ a\enns, supeino cinaliculati!>, imo cnllo tumido pei»islente sufffultis, axillis bine de-fnum nodosis, coiolla obscuioie, calyce campanulato duplo longiore — Habitat in Chili ad Conceptionem

3850/2 *CLIOC %HPUS* Miers.

(Miers m Jardinc and Selby, Annals of natural history [2 Ser] IV. pag. 141)

Flos ignotus Calyx fiucifer auctus quinquepartitus, laciniis lanceo* latis acutis, longitudinaliter subreplicatis, margjnibus valvatim conni-ventibus, hmc tubum ventneosum sinuoso-5-angulatum, ore 5-dentato' fere clausum simulantibus, angulis imo saccatis. Bacca omnino **loclusa** globosa biloculans Semina plurima, placentis dissepifiento adnatis affix* remformia compie^{sa}, testa sciobiculata, hilo in sinu laterali. Embryo, teres, in albumme carnosu spnalitu aicuatus, cotyledonibus **semitereji** tibus, radícula angulum basalem spectante, hilo evitante subtnplo **breviori**; bus. — Frutex Brasihensis, dense slellato-tomenlosus: **folus** alnif

oblongis integris, breviter petiolatis, flonibus extraxillanibus, binis vel solitariis, pedunculo fructifero cernuis

- 1 CL GARDNERI Miers 1 ut p 141 — Foliis obovatis acumine basi obtuse rotundatis crassiusculis, supra pubescentibus subtus dense cano-tomentosis, pilis stipitatis stellatis — Habnat in Brasiliæ piouclid Minas Getes

3851 *PHYSALIS* Linn

(Wlpr[^] Repeit HI 22 VI 574 Annal I 528)

- 1 PH GRALIS Miers Ann of nat hist (2 Ser) IV 37 + a Illustr of S Am pi tab 39 B — Caule gracili subsino-pubescente folis ovatis petiolatis, sene inaequilaternibus crassiusculis utimque pallidis fere pubescentibus pedunculo sublongo piloso flonibus axillaribus subsolidius pedunculo gracili petiolo aequilongo umnoro nutante calice campanulato profunde 5- pnrliio lobis icutis, corolla cynthiformi-campulata lutea, miculis 5 magnis vix affinis notata limbo 5-angulato angulis obtusis, staminibus corolla brevioribus, filamentis brevissimis — In Motico ad Real del Monte
- 2 PH MAHITIMA Curtis Bol Zeit VIII p 530 — Molliter villosa et lutea pilosa erecta vel decumbens dichotoma folia ovalia - oblonga vel ovalia integra petiolata saepe gemma basi acuta apice obtusa (lores lutei in axillis pedunculo pollicari nutante, calyx fructifer inflatus inagnus) color glabrescens, baccam includens — Habitat in Carolina

3851A *PHYSALIS* Miers

(Miers in Jardine and Selby, Annals of natural history [2 Ser] IV pag 37)

Calyx tubulosus angulatus tenuis quinquedentatus, demum augescens, rot vesicanus Corolla tubo brevissimo campanulato-infundibuliformi, lobis quinquefidis, lobis acutis subpatentibus Stamina quinque brevia, tubo inclusis aequalia, filamenta brevissima, antherae biloculares, loculus adnatis Ovarium ovalum biloculare Stylus brevis erectus, apice subincurvus Stigma subbilobum Bacca pisiformis biloculans, calyce globoso urceolato vesicano membranaceo inclusis Semina pluma lenis Embryo ignotus — Herba Peiunanae et Mexicanae annuae caeruleae dirhizotome lamosae folia alterna, solitaria aut gemma, petiolata, flores axillares subsolitarii aut pluri fasciculati, pedunculo unifloro, floribus eiectione, fructiferi cernui, corolla lutea

- ¹ PH SUBIRIFLORA Miers 1 c p 38 — *Physalis subinflata* R et P — Wlpr[^] Repeit HI 7 no 35 — Habitat ad Obrngillo
- ³ PH ORINOCENSIS Miers 1 c p 38 — *Physalis Oimocentis* II B Kntb - Wlpr[^] I c 26 no 19 — Habitat ad (Inmen Ounoco
- ³ PH XALAPENSIS Miers 1 c p 38 — *Physalis alampni* H B Kntb — Wlpr[^] I c no 20 — Habitat in Mexico ad Xalapam

3851/2 *PHYSALIS* Schlecht

(Wlpr[^] Repeit HI 28)

- * PH TENUIS Miers, Ann of nat hist (2 Ser) V 250 et III of S Am plant tab 57 - Herba glaberrima, dichotoma ramosa ramis divaricatis tenuibus angulato-sulcatis,

foliis lanceolatis, marginibus acutis, caulibus obsolete paucidentatis, longe et tenuissime petiolatis, lumbis foliolibus linearibus, floribus pedunculatis axillaribus — Habitat in Mexico

3852 SARRACHA Rz *sf Pav*

(Wlprs Repeit III 28 VI 575)

- 1 S CILIATA Miers in Annals of natural history (2 Ser.) III pa? 446 — Caule angulato glabro vel sparse asperio - pilosulo, dichotome ramoso, folus gemmis oblongis, uncinque atenuatis subglabris aut leviter glanduloso-asperis, erosio-denticulatis et ad marginem ciliatis, breviter petiolatis, pedunculo breviter axillaribus, vel et dichotomus ortho, umbelliformis bifloro, pedicellis apice incrassatis, pilosis, calyce majusculo quinquepartito, fere glabro in nervis piloso, laciniae acutis, corolla ampla pallide lutea rotata angulato - quinqueloba, lobis acutis glabra, sed in nervis 15 extus pilosa, staminibus corollae dimidio brevioribus* glabris — Habitat in Peruviae valle Linnensi
- 2 S PROPINQUA Miers 1 c p 446 — Herbacca caule dichotome ramoso glabro, folus lanceolato-ellipticis, margine ciliato-denticulatis, utrinque sparse glanduloso-asperis, petiolo gracili pubescente, pedunculo elongato gracili, umbelliformis 2—6 floro, atillan vel et dichotomus ortho, vix pubescente, pedicellis longis filiformibus, calyce rotato, lobis acutis, corolla caerulea rotata angulato-quinqueloba, lobis acutis, staminibus erectis elongatis, inio pilis mollibus patentibus dense hirsutis, bacca pisiformi, calyce rotato suffultis — Habitat in Peruvia
- 3 S DIFFUSA Miers 1 c p 447 ft Illinir of S Am pi tab 38 — Herbacea caule angulato glabro, dichotome ramoso, folus ovatis vel ellipticis, versus apicem attenuatis et saltem oblongis, grosse serratis, lacinulis obtusis, margine ciliato-denticulatis et ciliatis, breviter «.ubimequibus, in petiolum gracilem angustissime decurrentibus submembranaceis reticulato-venosis, vix glabris vel utrinque praesertim in venis glanduloso - pilosis, floribus in dichotomus umbellatis, umbellis 4—6-floris, pedunculo elongato gracillimo pedicellisque filiformibus glabris, calyce rotato angulato-quinquedentato, corolla rotata quindecimnervia, extus lanuginea, margine quinquangulata, longe ciliata, staminibus erectis, corollae dimidio brevioribus glabris — Habitat in Peruvia
- 4 S LAXA Miers 1 c pag 447 — (caule angulato-siliato subglabro vel parce pilosulo, dichotome ramo, folus late ovatis, basi subobovatis, imbricatis in petiolum attenuatis, uncinque squamoso - pilosis, pilis* alicubi, floribus umbelliformibus, pedunculo axillari elongato, pedicellisque 2—6 partibus brevioribus pilosis, calyce aculilobo hirsuto, corolla lobata angulato - quinquelobi, lobis acutis, utrinque glabra, staminibus dimidio brevioribus, bacca pisiformi, calyce rotato aucto suffultis — Habitat in Mexico
- 5 S AURICULATA Miers 1 c pag 448 — Caulo angulato, dichotome flexuoso glaberimo rubescente, folus geminis rhomboides - lanceolatis acuminatis, imo in petiolum cuneatis, infra medium acutis - nunculatis et inaequaliter grosse sinuato-dentatis, utrinque glabris, sub nervis prominulis, margine subciliatis, umbella subsexflora; pedicellis pedunculo axillari aequilongis glabris, apice incassatis, corolla parvula rotata quinquangulata lutea glabra, margine ciliata, staminibus corollae aequilongis, imo hirsutis, bacca pisiformi, calyce subaucto iota suffulto — Habitat in Nova Granada
- 6 S GLABRATA Miers 1 c pag 448 — Caule strecto glabro angulato, folus geminis oblongis, utrinque attenuatis et glaberrimis, submembranaceis reticulato - venosis, obsolete denticulatis, nervo marginali ciliatis, petiolo canaliculato glabro, pedunculo axillari bifloro pedicellisque aequilongis pubescentibus, bacca pisiformi, calyce persistente

- rotato reticulato semiquinquefolio, lobis triangularibus, margine nervisque ciliatis suffulta — Habitat in Mexico
- 7 S CONSPICUA Miers 1 c 449 — Caule dichotome ramoso angulato-striato pubescente, foliis geminatis oblongis acuminatis, basi subobtusiusculis, repente attenuatis et in petiolum elongatum decurrentibus, utrinque molliter pubescentibus, nervis patentibus pilosis, marginibus subrevolutis ciliatis, lacinis umbellatis, pedunculo axillari petiolo duplo longiore, pedicellis 4—6 dimidio brevioribus, plerumque radiatis, calycis lacinis linearibus patenibus villosis, corolla lobata viridi-lutea, maculis plurimis viridibus ad medium notata glabra 5-angulata, unguibus aculeis margine ciliatis, staminibus* glaberrimis erectis, corollae aequilongae — Habitat in Mexico
- 8 S ACUTIFOLIA Miers 1 c pag 449 — Caule angulato fere glabro, foliis linearibus lanceolatis, grosse inciso-serratis, apice acuminatis-similibus, imo in petiolum attenuatis, utrinque in nervis marginibusque spines pilosis, lobis axillaribus, foliis dimidio brevioribus, pedunculo axillari subbifloro, calyce aculobato hirsuto, corolla lobata quinqueangulata lobis glabra, margine ciliata, lobis imo maculata et tomentosa, staminibus brevioribus, filamentis glabris, antheris usque aequilongis — Habitat in California
- 9 S VESTITA Miers 1 c pag 44^ — Caule fere suffruticoso, molliter tomentoso-hirsuto, foliis oblongis, apice attenuato-acuminatis basi obtusiusculis. margine erosodenticulatis, utrinque tomentosis, nervis petiolaribus, petiolaribus pedunculisque pilis patentibus articulatis flavidis dense siccis, pedunculo axillari subbifloro, calyce piloso quinqueangulato, corolla lobata quinqueangulata, lobis marginibus pubescentibus, staminibus pilosis bacca perispermia, calyce subaucto lobato suffulta — Habitat in Columbia
- *0 S GLANDULOSA Miers 1 c p 450 f. Illustration of S. Am. p. tab 39 A — Glanduloso-pubescentibus, foliis alternis, foliolis subgeminis oblongis acuminatis, in petiolum longiusculum attenuatis inaequaliter serratis et erosodenticulatis crassis, utrinque tomentosis, nervis patentibus pilosis, margine glanduloso-ciliatis spongiosis subiniegatis, pedunculo axillari bifloro, pedicellis aequilongis, calyce quinquefolio, corolla parva lobata (lobis, utrinque subpubescentibus angulato-quinqueloba, lobis aculeis, stomatibus inclusis, filamentis brevibus, imo dilatis pilosis), antheris ovalibus connatis — Habitat in Nova Granada
- 11 S SOLANACEA Miers 1 c 450 — *Wulmigia tolanacea* Heurt. — Wlpr. Repert. Tab. 31 no 16
- 12 S DIFFUSA Miers 1 c pag 451 — Caule angulato-serrato, dichotome diffusum subglabro vel parce puberulo, lobis lato ovatis aculeis, basi obtusiusculis, repente in petiolum attenuatis, superioribus geminatis, utrinque pilis articulatis pubescentibus foliolis umbellatis, pedicellis 2—6, pedunculo elongato-folio aequilongo tertio brevioribus, omnibus pilosis, calyce aculobato hirsuto, corolla lobata angulato-quinqueloba, lobis glabra, staminibus corollae dimidio brevioribus, bacca perispermia, calyce rotato aucto suffulta — Habitat in Mexico

3852/x CACABUS *Benth.*

(Bernhardi, Linnae XLIII 360 — Miers, Annals of natural history [2 Ser] IV 253)

Calyx ventricosus urceolato-subglobosus membranaceus inflatus 10-dentatus quinqueangulus, dentibus aequibus aculeis erectis, angustis, persistens et accrescens. Corolla campanulata, tubo imo breviter coarctato, subito ampliato, limbo campanulato magno, margine explanato, submarginibus sinuato-quinqueangulis 15-nerviis, nervis in angulis levementer parallelis, aestivatione ignota. Stamina quinque, inclusa, fere aequalia,

filamenta ad coarctationem tubi adnata filiformia, antherae ovoides erectae bilobae, lobis parallelis adnatis, immixtae longitudinaliter dehiscentibus. Ovarium ovulum subtriloculare, apice placentula prima carnosa donatum biloculare, pericarpium dissipatione tenuissimo intrinseco adnatis, circumscissum duplo et decem diebus uicibus bifidum inultraulalis Stylus filiformis, longitu- ditudo sliminum Stamina elongata bilobata, lobis crassis subconnatis intus spermatis Dactylia calycem nectum vesicae- lorum venoso-membra innum laticula pulchra subulunda exsucca, corolla lacini ciliolata, bilobata, dissepimento lacum placitis subcruciatim semimembra Stamina numerosa subinifolia compressa, te- la in- bilobata laterali in- Einbrum intra albumen carnosum terra subannulatis laticulis angulum basalem spectante et hilo exsertante, coloribus serratis aequilona — liliaceae Amenae mendionalis pro- subsuccosae pilosae, *Nolanae* facie folia in all- tinata ovata smuata mulosa pedicellata, liliaceae gemini axillares pedunculati, corollae violaceae

- 1 T PROSTRATUS Bernh 1 c — Miers 1 cit 4 — *Physaloides prostrata* Miers — *Phytologia* 26 no 17 — *Peruvia* — *Habitat in Peruvia*
- 2 G NOI AISIODI S Miers 1 tit p 255 — *Hesperis mollitor villosus* culle *lucio dichotome rimosus folio gemmis natis in u I to minon ovatis crassiusculis undulato- villosis an- ulosis m- line cilidiis basi intrinsecibus ulnque glandulis infer- natis pilosis | corolla I et rili in no cilio lulo longitudine lobus solnatis, late- ntilleixillaubus) lunculo lonfeio nrtto fluctifeio reflexo corolla ciera- Ica clypeo multo multo nateo JO ricini nliulilny pitto — Habitat in Peruvia
- 3 (?) INFLATIS MJCIS 1 cit i Zoo — *Solana inflata* R fit P — *WJpis Repeit* VF 549 no 4 — *Uibilat in Peiuvu*

3852/a POECILOCHROMA Miers

(Miers in Hook Lond Journ of bot VI 354)

filix tribrantiis, oide Aide couctus el in aentes quinque bre- vissimos approximato- desinens, tubo subconacco coliali, maequaliter in tinnas 1 — 2 — 3 abiumpens, persistens et non augescens foliolla speciosa campanulata imo in tubum brevem contracta, magis? minusve crassiuscula saepissime ornata maculata, limbo expanso, <inua- toquinquelobo, a- ihonc plicato Stamina quinq, imae corollae msorta mclust filamenta tenuia eiccta colonti antherae oblongae bilobae, lobi- panllobis adnatis, mlus longiludinahier dehiscentibus Ova nil m obova- tum biloculare Stylus longiludme stiminum gracilis Stigma clavato- bilobum Dactylia pisiformis, calyce suffluta bilobata Semina pluma, caeteia ignota — trutices cuadoreses et Peruviani glabn folia inte- gerna oblonga cl spathulalo-ovata, bicuter peliolata crassiusculat- venis immersis floies axillares, solitam el bini, interdiim plurimi, pe- dunculis unifloris elon-jatis, apice inciassatis coloratis, corolla aurant- tnen, pulcherrime maculata, el bicunda, baccae pisiformes **rubrae**.

- i P PUNCTATA Miers 1 c 354 — *Suffruticosa lamulis tertiis fusco-colialis gla- bns junonibus pulverulentis, folio solitatis, ranus gemmis ovalo-oblongis venosis*

- simis, supra glabris, subtus pulverulentis, flonibus ad summum ramorum fasciculatim aggregate, nutantibus pedunculis 6 — 7 elongatis umflons, apice incassans, calyce in denis rotundatos rumpento, corolla magna hinc tampanulata, limbo sinuato-quinquangulato, extus pulverule ita, mtus luteo - purpurascens, punctis purpureis maculatis, gemmalibus inclusis glabris — *Smiacha junctata* R & Pav — WJpis Report III 28 no 5 — Crescit ad Muna, Tambo, Porlachuelo et Obiajilla in Andibus Peruvianis
- 2 P FNONDOSA MiPrs 1 c 355 — Suffruticosa ramulis subcompressis angulato-stnatis, angulis c\ axillis decurrentibus rugulosis glabris, \altd lolio&is, folns subfasciculatis ellipticis, ulnque attonutis sublenuibus, supn elabris subtus parce fulvotomentosis pennmerviis, rhachi nervisque subtus lubescentibus margine revolutis, flonibus ex apice lunonum jumoium fasciculato-aggregatis, fasciculis foliosii, pedunculo umfloro glabro apice mens«mo, longitudine flons nutantibus, calycis colorati denibus quinque brevibus rotundatis, corolla speciosa campanulata, extus fulvo-pulverulenta — Crescit in provincia Cliachapojas Peruviae
- 3 p GUTTATA Miers 1 c 356 — Suffruticosa ramulis anguloso - stnatis subvtruculosis, omnino glabris, folns solilam ramos gemm& obovatis, apice breviter et repente attonutis, imo subcunctis, cassis conatis, utnque (etiam junionibus) glatermis et i\enns, supia lucido-\nidibus, subtus luteo-pallidis, margine revolutis, breviter petiolatis, flonibus 8 — 9 ad apicem ramorum fasciculato-aggregatis, nutantibus, pedunculis unifloris, apice incrassatis, flore paulo longioribus, calyce glabro, corolla speciosa campanulata, limbo sinuato-quinquangulato, exclus pulveulentotomentosa, mtus subglabra, punctis purpureis maculata PI imo pubescente, oiano tomentoso — Mathewg sub nomine <Sa>>ntia *pimctata* R ft Pav — Crescit in Peruvia
- 4 P MACULATA Miers 1 t 357 — Fruticosa ramulis junionibus floccoso - tomentosis, adultis glabris cortice nudo-venuculoso, folns natis \el gomims oblongis, basi cunctis, breviter petiolatis cinssiisculis miridine revolutis, supn lucidis, nervis pinnatis impressis tomentellis, subtus fulvo-tonipniosis, flonibus axillaribus solilinis \el geminis, out ad apicem ramulorum nolloium fibriculatum - aggregatis, pedunculis* elongatis calycequo breviter quinquedeniato glabris (Oiolh speciosa, imo breviter tubulosa, cito late campanulas flava nmulata, utnque pulveulento - pubescente, limbo sinuato-quinquangulato, gemmalibus inclusis glabris, bacca globosa pisiformi, calyce persistente suffulta — Crescit in Andibus Peruviae
- 5 P LOBBIANA Miers / c — Suffruticosa ramulis junionibus cupreo-floccosis, adultis nigrescentibus, ramulis divaricatis, folns ellipticis, utnque acutis, apice saepe obtusis, margine levulatis, utnque glaberrimis, supia nudis, nervis pinnatis impressis, subtus pallule urescentibus, rhachi prominente tubella, petiolo brevi glabro tenui canabulato, flonibus speciosis axillaribus bimis, rons terms, pedunculo apice incrassato folii longitudine calycequo breviter quinquedeniato glabris, corolla imo corollata, deinde campanulata, sicca aurantiaca, extus pubescente, intus glabra et versus basin leviter pubescente, limbo sinuato-quinquangulato gemmalibus inclusis glabris — Crescit in Andibus Peruviae.
- 6 P LINDENIANA Miers 1 c 368 — Suffruticosa ramulis lugeis stnatis glabris, folns cuneato-oblongis in petiolum brevem attenuatis, apice obtusis submarginatis, margine cunctis, utnque glaberrimis crassis, supra nitidis, nervis impressis evenis, subtus luteo - pallidibus, rhachi nervisque prominentibus, flonibus axillaribus solitaris nutantibus, pedunculo folio longiore, apice incrassato, corolla speciosa campanulata aurantiaca, extus pulverulenta, margine floccoso quinquangulato, gemmalibus vix inclusis -P- Crescit in republica Ecuadui
- 7 P QUITENSIS Miers / c — Fruticosa glabra folns ellipticis obovatis obtusis subcoriaceis, margine revolutis, breviter petiolatis, ulnque glaberrimis, supia lucidis seditis fluvio-pallidibus, flonibus axillaribus bimis nutantibus, pedunculo lolio fere

aequilongo, calyce imo coucltto bievismu¹ quinquedentato, ciio urcguhnter 2—3-
 ilso , corolh glabn infuridibuloi mm - cimpanuhn limbo patcne subquinquelobb ,
 gunhlibus coiollao acquilongi& fcldiis — *Lycium Quitense* Hook — Crescit in An-
 dijjus Quitensibus

3853 UITJIERIJVGIA *Hfrit.*

(YMpis Rcpil III 29 VI 575)

- 1 W TOMYTILLO Remy in Ga\, *Hist de Chile (Dot) V fi4 f* — **Caule frulescente ramoso**
 lloxooso, mm!) suhlf iInt us ghhcminit Coins soliliins lineanbus obtu9i? intcgn
 ghbiis uassiusiuli-s irnigmt undulalo-trispib, lloubus teiminalibus corymbosis, pe-
 diinuilis lamosis ghhn*, ciljte ghbro quinquedonlilo dentibus Intis otlusiusculis,
 coloHi-, txlus pubciulis, sc_b†mentis oblusis, sljlo slimimbus duplo longioio — Crescit
 in (Ink
- 2 W ULRTI ROANA lley in **fin** I c p (5 f— Ramis puheiulis, petiolo decunonte*
 lineolalis, foliis oblon^is npicç atenuiu^ oblusis, nngimbu* intcgn glabris disco-
 lonbus boliiuus, (lunbub in i iccinuiu iciinimkin di'apoMlis numerosis, pedunculis
 i unosis, cilyiis dentibus quinqc bievibus subacutis, ut pedunculi puboiulis, corolla
 txlus puhigoit sigmeniis ovalis oblusis, stylo apice LUIVO subdilataoqc — Grescit
 in (bile
- 3 W GAYANA Hemy in Gny 1 c p 67 -\——(nulo sulTiuticoso, pube stellata pubeiulo,
 s u pf lincolalo, i imib toictibus bnbntctis pills stelluis subtonientosis, folns solilanis
 poliohiis o\oli - oblonp_{is} miciluiii suhclliplin*, bicMtc_i subacummalis aculis, mar-
 gimbus ulnlulis, in cosl i mtdn pubescentibus, intogus, podunculis terminahbus ramo-
 sib Lal\ (L\jic toniuilosis, coiolh c\tus hiisuta, tnljcc tnplo — quadruplo longiore T
 bacca pi si imgmludine — Crestit in Chile
- 4 W RUDhRAMS Remy in G.IJ 1 c ji 69 f - **Caule ascendente, vix pubescente,**
 hneis puv_{is} nofUo, e btsi lamoso vel subsunplici, folns glabnusculis, pinnaliAdis
 cum iinpan, scgmeniis 3—5, oblongis oblusis iniegnusculis, racemis exlranxillanbus,
 folio subaequalibus, simplicibus vel lurcalis Inisuiis, ilonbus cociu_{leo} - puipuiascenti-
 bus — Chile
- 5 W FLL\UOS\ Romy in Gay 1 c p 70 -f — Ciule flexuoso hnlo aspenusculo hneq-
 laio petioloium decunentia, folns ut nmi vplutinis bipmnatisectis, segmenlis integns
 vel subdenlitis oblusis, raceims oppositifolus, pedunculo longo ramoso, ma tun **tat**
 divancato, caljcibus quinquelldis, segmenlis lanccolaiis obtusis pubescentibus, co-
 lolla exlus hispida, bacca globosa — Ciescil in Chile <
- 6 W TOMLMOSA Hemj in Giv I c p 71 f — Puhescenli-tomentosa caulibus diffTusi_s
 terclibus ramosis, folns pinnaliddis, segmenlis mtegn_s vel divis_{is}, decunentibuf_l
 rotundalo-oblusis, racemis conmbosis tcrminaJibus, calyce quinquenrlito, lacmiis_l
 oblusis linean - spathulalis, aniheis longis, stylo hnto — Crescit in Chile .
- 7 W GAUmUIAUDIANA Remy in Gay 1 c p 71 f — Caulibus prostralis ramosis his-
 piduJis floxuos_{is}, folns pnnatifldis hirsutis, margine subrevolutis, segmentis lineanbu_«
 indivis_{is} oblusis, cor^mbia lermnlibus pauciflons, cal)cibu₉ quinquelldis hispidi^
 deniibus oblongis oblusis, coiolla caljce subtnplo longiore, stylo basi hirto — **Creicy**
 in Chile

3853/j. C1PUOMA1IDBA *Sendtn.*

(Sendlner in Wlpis. Kepeit VI 576, Annal I 529.)

- 1 *C FRAGRANS Sendtner — Wlprs Report VI 577 no 5 — *Pallavtctnta fragrans*
 Nutans, Am della otiava numone 599 — Wlpis Annal I 530 no 1.

3853 $\frac{1}{3}$. BRACHISTUS *Mian.*

(Miers in Jardine and Selby Annals of natural history [Ser Z] III- png. 2b2.),

Caly\ parvus urceolatus, inargine integro, vel rarus 4—5-dentato, persistens et non augescens. Corolla snbrotata, tubo brevi, limbo 4—5-partito, lobis oblongis acutis, aclsivatione valvatis. Stamina 4—5, erecta; filamenta imo subdilatata, paulo supra basin corollae adnata: antherae-oblongae submucronatae bilobae, lobis arete adnatis, margine exteriori dehiscentibus. Charium ovaUim, disco annulari imo circum biloculare, dissepimento leni utrinque in placentam membranaceam bifidam oviligeram producto, ovulis plurimis. Stylus simplex, longitudine staminum. Stipna clavatum subbilobum. Macca parva globosa, calyce parvulo sudulla bilocularis. Semina compressa, in pulpa aquosa nidulante sublenicularia, testa aspero-scrobiculata, cactera ignota. — Arbores vel frutices Americae aequinoctialis: folia alterna vel saepius femina, altero multo minori et heteromorpha, subintegra vel angulato-dentata; flores axillares fasciculato-congesti, perpauci vel rarius solitarii, pedicellis unifloris gracilibus erectis, demum cernuis.

- 1 *BR. STRAMONIFOLIUS Miers I c pag. 263 — *Wilcnngia stramifolia* H. B. Kth — Wlprs. Report. III. 30. no. 2. — Habitat in Mexico
 2. *BR. MACROPHYLLUS Miers 1. cit png. 263. — *Wilcnngia niacrophylhi* H. D. Kth. — Wlprs. 1. c. no. 7. — Habitat in Nova Granada.
 3. *BR. CILIATUS Miers 1. cit. png. 263. — *Wuhcnngm (iliata)* H. D. Kth — Wlprs. I. c. no. 8. — Habitat in Nova Granada in Andibus excelsi^
 4. *BR. MOLLIS Miers 1. cil. pag 264. — *WnhcuiKjia mollis* H. B. Kth. — Wlprs. I. c. no. 9. — Habitat in Gachamarca Peru\iac
 5. *BR. RHOMBOIDEUS Miers 1 cil. png. 264. — *M'uhennyia rhomboidea* H. B. Kth. — Wlprs. 1. c. 31. no. 10. — Habitat in Nova Granada
 6. * BR. DUMETORUM Miers 1. c. pag. 265. — *Withcnngw du me to rum* H. B. Kth. — Wlprs. J. c. 31. no. 11. — Habitat in Nova Granada.
 7. *BR. RIPARIUS Miers. 1. cit. pag. 265. — *Withringia nparia* H. B. Kth. — Wlprs. ' c. 31. no. 12. — Habitat in Nova Granada (Andibus Quinduensibus, alt. 6300 ped.)
- & BR. HEBEPHYLLUS Miers I. c. p. 266. 8c III. of S. Am. pi. tab. 36, — Fruticosus: ramulis icretibus; foliis elliptico-lanceolatis nitenuato-acuminatis, basi subcunealis, integris, utrinque molliter incano-pubescentibus; floribus plurimis parvis 4-inoris axillaribus fasciculatis; pedunculis filiformibus, petiolo subaequalibus, pilosis; calyce piloso urceolato, ^margine integro ciliato; corolla rotata, laciniis quatuor oblongis necutis, margine ciliatis, tubo brevi, intus pilosulo; staminibus brevibus erectis; ovario ovato, disco annulari insito; stylo stamina superante subincurvo; bacca parva, calyce minimo sulcata. — Habitat in Nova Granada.
9. BR. OBLONGIFOLIUS Miers I. cit. png. 266. 8c III. of S. Am. pi. t.37A. — Fruticosus: ramulis lenicris teretibus glabris; foliis oblongis, utrinque acuminatis, omnino glabris. breviter petiolatis, inferioribus subcoriaceis rugono-vonosis, superioribus planiusculis submembranaceis *getninis*, altero tertio vel quarto minore, rhomboideo-ovulo, breviter petiolatis; (loribus pontameris paucis, fasciculatis (2—4); pedunculis subcornuis, petiolo aequilongis; calyce urceolato brevissime quinque-dentato glabro: corolla tubo-

- losa, lncMtei infundibulifuiuu limbo qmnpqilohu expanso launus ncutis, staminibus m inclnsi&, flamenlis filifoiuibu nwdio tubo inseilis tubo bine pubestente, alilei jntus glabio — Habltul in No\ a Gramda
- 10 lilt DIMOHPIIUS Miers 1 c 267 a Illusii of S Am pi I 37 13 — Fruticosui rn- inulis incubus glaberninis foliis Hnngnlo-lanrcolaiis, opicc acunjinalissimis, basi oblique in poiolum niUMimtis jdullis utiinque glnbris, supra ad ibnchin scabrido- pilosis, morgine siibcilinlis, iiniuuubiis spoisc pilosis, gemims difTormibus, allero multo minon rotund «to-ovaio s<*>li basi inipquali, supra glabro, subtus pallide fulvoscente, (loibus peniniuis buns cxlraixilhribus cernuis, peiolo brevionbus, calyce urccolato Trie inttgio pubescenlc, curollac lubo bicvissimo limbo quinqueparliio expanso, lobis ncutis, flliimcniis subulais compressis glabris, anthcus oblongis, slylo oxserto niibinciivo, siigmaw th\ aio subbilobo — Habitat in Nova Granada
- 11 lill (') I ANCI ALPOMtS Mies I cu png 2<7 — Ramis ferruginco - lomonlosii dichotomy, »<imulis mgulalis ilivai lcolun flexuosis, vu lignois, foliis allemis lunceo- htis, uliiiMjio atummalis iiii< (ns, <>ipri parcc, subius densius fulvo-puberulis, peiolo subbievi liouluis c ditliuioiijis solitams, vel c tunombus fasticulalis, podunculis 1—I uniflous pilosis, npict mcrassato incuivis, calycA piloso biovi uiceolato angulalo, margine feiointcgo, derilibusquinqueminimisinstruclo, corolla rotata subglabra, limbo qumquclobo, lobis atutis iungulaubus rellexis, margino floccosis, slamimbus inclusis < rccis glabns slylo npicc mcrassato, stigmatc capilalo-bilobo — Habitat in America aequinoctiali
- 1^ im HOOKCRIANUS Miers I cu png 268 — Fruicosus ramulis striatis molliter pilosis, demum glabtis, fohis o\ius utimque abrupte ocuminatis, imo in peliolum longe dccinrentibus, uinnque sparse molliier hnsutis, demum subglabus, margine uliiUis, ihachi mcrassaid vemsque pinnalis glabns, gcmimis, nltpro multo mm ore; lioribus penlnmens panulis axilhnbus fasciculaio-congeslis, caljco minimo pubes- conto, margine mtcgio, dentibus 5 sciaceis, corolla lutea glabra, lubo breM sub- campanulato, limbo ronto quinquangulato, angulis acutis pilosuhs, stuminibus bro- vibus glabns — Habitat in ropublica Ecuador
- 13 *BR DIVEKSIFOLIUS Miers I cit png 2<8 — »ithenngia divcrsifoha Kltzsch. — Wlprs Report III 29 no 1 — Habitat in Mexico
- 14 DR ISELIANUS Miers 1 cu png 2a8 — Suffrutitosus ramulis angulntis tomen- tosis, foliis alterms, supenonbus gcmimis ovato - oblongis, acumine obtusiusculo atte- nuatis, inacqualuer icpnndo-dcnlatis, ciassmsculis, supra subtiliter, subtus densius. tomontosis, pilis cams siellatis nonbus paucis (2—3) extraaxillanbus pendulis; (olyce uiceolato puboscciile quinquefldo, dentibus ovnlis obtusiusculis canescentibuff, coiolla lotnia, ultn medium quinquefldi Incinus lanceolntis, extus tomentellis; fructu jgnoto — Habitat in Mexico
- 15 *BR (0 LINNAEANUS Miers 1 cit pag 269 — Ph^ah* mhotetccns Linn — Wlpra Reperl III 23 no 2 (27 no 34) — Habitat in Mexico

3853/, PUHraERIA stocks

(blocks in Wglil Icon pi Ind or IV tab 1616)

t lores pci aboitum dioici. Calyx qumquefidus, fructifer accrescens nee inflalus, fiuctum cingens Cuiolla campanqlata, lacinus aestivatione ^alvatis apicibusque connexis in centro mflexis, sub anthesi reflexis. Slamina quinque prope basin tubi corolhni inserta, filamentis ad in-

seilionem ulmique pilurum lasciculo mblrutlis »Ovanuin biloculaie, placenlis multiovalali[^] Stylus simplex, stigma bilamellatum. Bacca a calyce dense vestita, apice Jibera. Sernina aunculiformia, embryo in albumine carnosio arcualus v. annulans, cotyledombus lineanbus radicalaque longa.

- 1 P COAGULANS Slocks in Wght 1 c — Fiuitx, pubtsconia Mellata vesilul Coins inoequilalcris crassiusculis lanceolato-oblongii, saopo geminatis, lloubus in axillis fohorum nggregatis deflexis — In India oncnlili (Scuide)

3854 CAPSICUM *lournef*

(Wlpis Rcpert III 3? M 581)

- 1 C ABYSSIMCUM A Ilicli Tent Q Abjss II 96 f — (aule fiuesconle eiecio lamoso, iamis gemculatis hirsulis, folns poliolnds ovuli- jcumimniis, basi oblusis subinaequihteis, rniuis subacutis inirgino mtcgri, in uervis, piaeseilun sublus petioloque lursulis, pediinculis millions husutis, coljce tiuncato obsolete 5-deniaio, dentibus acutis vix prominulis, rurolh explanota 5 - (Ida lobis ovali - oblongo fructibus HI bus laevibus lutidis ob)ongi&, ipito subincunis biuncialibus — Ilabilal in Abyssinia

3855 HOIAATSUM *loutnef*

(Wlprs Repert HI 38 952 b VI 583 ft 745, Anna I 1 529 [Repot t HI 933 Chai gen])

1 IINENMIA

§ 1 *fohis pinnatnectis.*

- 1 S GUAVLOLENS Knili & Bouclri, Index sent in lion boi Deiohn an 1848 collecloi P 14 no 17 f — Annum elubrosuin, haud stolomferum pubescens radice fibrosa, caulibus diffluis angulalis, ongulis aculeolato - mucronalis, foil is impanpinnaliseciis, oegmentis 7—9, peliolaiis auboppositis, angusic oblongis atuminaiis, basi totuudaiis el valdo inaequalibus integemmis subaequalibus, iniorjectis nonnulhs alus minulis subroiundis, slipulis dinudialo-cordalo-falcatis, pedunculls lateralibus clongalis, opico ^ubdicliotomo-miilunoiis supia basin bibracieau*, fructifens dellexo-pendulis, cnlycibus e basi uiccolata quinqueparlitis singosis, coiollis rotalis Qcutilobis, antbens subsessilibus conniventibus, bnccis subgloboso-ovatis glabns — Habitat in Mexico
- ^ S UTILE Klizsch in Olio ft Dicii Allgem Garienzig XVII 313 + — Herbaceum Qscendens stolomfcrum tubenleium caule augulato angusiissue olato, sparsim puboscentle, fohis impanpinoaus oblongo - obovatis, supra saturate vindibus, pilis articulaiis brevibus raris obsilis, subtus pallide vindibus, in norvia puboscentibus, pinni[^] dlipticis, brevissnue pettolatis, brcvitor acutis, basi inaequalibus oblusis 2—3-jugis, axiguis mtermixtis exsiipulatis, cyrna simpliciter dichotoma oorymbifoi mi tcimmali, calyce pubestenlo qumquefldo, latimis ovatis subulato-aeuminaus, coiollis paivis 10-latis deoemdenlatis, oxtus saturate vlolaceis, mtus diluto coeruleis, denlibus alternantibus ftoutis, versus marginem puboscentibus, baccis globosis glabns e viruU-flnvo[^]-centibus, punctis albidis consporsib, succo odonfoio, soimmbus coinpreci>&o-ovaiis ininutis — Habitat nitei Pueblo tic MPMCO aim 10000 ped

- J S OLMISBUM Lindl Journ of the home soc III 70 not t 69 (c ic) f — Herbiceum prostratum stoloniferum tuberosum caesium pubescens foliis subinterrupte pinnatis, foliolis obovatis rotundatis, clypeis 5-fidis lacinis triangularibus acuminatis, corolla cuculata 10-dentata, baccis sphaeroidibus glabris — Habitat in Mexico
- 4 S CARDIOPHYLLUM Lindl 1 c III 70 adn fit 71 (c ic) f — Herbacium erectum stoloniferum tuberosum airovinctum gubernatum foliis auriculatis pinnatis 2—3-jugis, foliolis haud interruptis subrotundis cordatis carnosius decrescentibus, cymis paniculatis terminalibus ciliatis glabris ciliatis ciliatis, corolla 5-partita lacinis triangularibus phyllis acuminatis demum revolutis — Habitat in Mexico

§. 2 *Solanum simplicifolium*.

- 5 S PSLUDOPHYLLOIDES (L.) T. & G. Nees 1850 coll p 4 adn f — Inermis annuum foliis ovalibus imbricatis nervis undulatis venis reticulatis, pedunculis cernuis subumbellatis, calycibus immixtis demum imbricatis, baccis magnis carnosius quadriculatis splendentibus tomentosis viridibus variegatis edulis*, semine albumine embryone praecogente — An *S. tomatifolium* Hort ? — Yulgo, *Melongane del Drastic* — Habitat >
- 6 S SINAIICUM Doiss Diagn plant orient nov XI p 135 f — Perenne, a basi ramosissimum «(Trutescens caespitosa - dumulosum raris vetustis abbreviatis frutescentibus nudis albidis, magis minusve internodiis, annotinis herbaceis virgatis tenuibus simpliciusculis obsolete angulatis puberulis, foliis ovatis vel ovato-subrhombicis obtusis subintegris vel saepius acutis irregulariter obtusiuscule dentatis, inferius longe, superioribus breviter petiolatis omnibus scutulis papillosis magis minusve dense pubescentibus, pedunculis rectis foliis aciculosis vel brevioribus umbellatis 2—5-fidis, pedicellis deflexis adpressis hirtis foliis aciculosis longioribusve, calycis lacinus ovalis obtusissimis*, corollae albido, baccis nigricantibus — Crescit in fluminibus rupium jugi Sinaiici in valle Wadi Scheick
- 7 S SCIMPRIANUM Hochst mss in A Richard, Tent fl Abyss IF 98 f — Inermis ramulis gnosis-virescentibus tomentosis, foliis longo petiolatis ovatis acutis, basi obtusissimis, margine integris, fere 2 uncias longis, unam unciam hirtis, superne glabris, subtus tomentosis cymis lateralibus brevissime pedunculatis, flonibus quibusdam tuberosis, dimidio minoribus, calycis fere quinquepartito lacinus lanceolatis acutis; corollae 5-fidae lacinus acutis, baccis globosis pisiformibus glabris luteis — *Agol* incolar — Ad *S. Dulcamara* accedit — Habitat in montibus Abyssinae circa Adoua
- 8 S BIFURCATUM Hochst mss ex A Rich 1 c p 98 + — Inermis caule suffruticosa, raris dichotomis virgatis scandentibus teretibus, junonibus subvillosis, foliis longe petiolatis ovalibus acuminatis, basi sensim angustatis et in petiolum abeunflibus, margine integris, membranaceis, praesertim subtus birtellatis, cymis lateralibus longe pedunculatis simplicibus, flonibus numerosis longe pedicellatis, calycis ore quinquefidis, lacinis ovatis acutis, corollae externe tomentosae 5-pallilae lacinus ovatis lanceolatis acuminatis, antheris corolla dimidio brevioribus, baccis globosis pisiformibus glabris — Habitat in praeruptis et vallibus Abyssinae circa Adoua
- 9 S POLYANTHEMUM Hochst mss in A Richard 1 c p 99 f — Fruticosum inermis caule erecto ramoso, ramis ferrugineo-tomentosis, foliis petiolatis ovalibus acutis, integris, superne vmdibus, subtus ferrugineo-tomentosis, cymis terminalibus tomentosis multifloris, calycis 5-partiti lacinus oblongo-acutis tomentosis, corolla campanulata-rotunda 5-fida, externe tomentosa, antheris aequalibus corolla dimidio brevioribus apice biporosus, bacca globosa pisiformis lutescente laevi taliter uncta — Habitat in Abyssinia prope Axum

- JO S. PLEBEJUM A. Richard I. c. p. 100. f — Cnule herbaceo, ramoao siricto bipedali et ultra angulato, angulis laevibus; foliis elliptico - lanceolaiis, uirinque longe acutis, margine iniegriis, in utraque pagina pilis rnis brevibus conspersis ciliatisque; cymis laieralibus longe pedunculatis; floribus albis mimmis longe pedicellatis, pedunoulo pedicellisque hirsutis; calycis quinquofldi laciniis oblongis acutis birlellis; corollae laciniis ezterne pubeniibus oblongis acutis; antheris pubentibus; bacca globosa pisiformi pallide l'uiea. — Gum duobus sequeniibus ad *Maurcllas* perlinet. — Habitat in ruaeralis et locis cultis prov. Ghlre in Abyssinia. •
11. S. GROJSEDESTATOM A. Rich. 1. c. p. 101. f — Horbaceura ferrugineo - villosum. caule erecto rmoso sesquipedali tcreti subferrugineo-villoso; foliis pcliolatis ovalibus subaoutis, basi abrupto acutis et in petiolum desinentibus, mnrgrine grosse incisedentalis, dentibus inaequalibus acutis, subferrugineo-villosis ciliais; cymis lateralibus longe pedunculatis 3—4-floris; (loribus pedicollatis; pedunculo pedicellisque valde villosis; calycis hirsutissimi laciniis oblongis angustis obtusis; corolla alba, externo pubenle, paulo minore quam in *S. tuberoso*; baccis____? — Habitat in Abyssiniae prov Tchelikote.
12. S. HIRTULUM Steud. mss. in A. Rich. 1. c. p. 101. f — Annum inerme: caule spithamaeo a basi rmoso angulato hirtello; foliis petiolalis ovali-oblongis subacutis, basi abrupte acutis et in peiolum desinentibus, margine subintegris, ulrinque hirtellis; cymis lateralibus pedunculatis simplicibus paucifloris; floribus pedicellatis; pedunculis pedictrillisquo hircHis; calyce scmiquinquofldo hirlo, laciniis oblongis subacutis; corolla ezplanata 5-flda, lacinijs ovali-oblongis acutis, ezterne pubentibus; baccis. ? — Habitat in Abyssiniae provincia Semiene, in agris propo Entbelkab.
13. S. EVONYMOIDES. Remy in Gay, Historia do Chile (Dot.) Y. pag. 81. — Gaulo frulicoso glabro, lineis 4—5 lanuginosis notato; foliis petiolalis oblongis cronulatis oblusis, excepto nervo medio glabris; corymbis lateralibus; calyce parvo glabro, dontibus brevibus obtusissimis, vix ciliais; corollae segmentis ovalibus obtusis, margine lanttis; bacca globosa pisiformi. — Afflnt *S. syringacfoho* Knlh. tt Boucb. — Report. VI 991. — Grescit in Chile.
- *4. S. TEXENSE Engelm. Oost. Journ. of nat. bist. V. pag. 227. f — Perenne inerme, lomcDto scllato incanum: caule (pedali) herbaceo erecto ramoso; foliis (2—4-unc.) petiolatis lanceolatis undulatis sinuato - denlatis integerrimisve sparsis; racemis termioalibus; pedunculis flore longionbus, fructiferis deflexis; calyce 5-fido; corolla violacea, extus ad carinas stellate⁷-pubescento; sjaminibus aequalibus; baccis flavis. — Habitat in republica Texensi.
15. S. LAETUM Miqu. Slirp. Surinam, select. 195. f'— >Scandens glabriusculum: foliis iQngiuscule petiolatis ovato - oblongis attenuato - obtusiuaculis vel aubapiculalis, basi rotundatis vel subemarginatis membranaceis, supra glabris, subtus nascentibus rarls*ime pilosulis, cito glabratis; paniculae terminalis .puberulae ramis primariis palerl-Ussimiff «aepe bifldis racemosis; floribus longiusculo podicellatis; calyce semigloboso-obovato quinquecrenalo; corollae quinquepartitae lobis lineari-lanceojalis, ^orso versus margines praosorlira tenere tomentellis; antheris quatuor aequilongis, quintn longiore; stylo basi puberulo; stigmata capitellalo. — Afflne 5 *pensili* Sendw. — Crescit in Surinam.

II. ACULEATA.

- ti S. IMMANE Hance, Pl. nov. Auslr. Chin, diagn. inediti. 1. p. 6. — Ulnarc erectum herbaceunl vel sublignosum: caule puberulo valde aculeato; aculeis rectis purpurascenscentibus, basi dilalniis; foliis ovntis potiollalis 8-pollicaribus grosse sinuato - denlatis.

- basi inacquil Uuia supia \iudibus \clutinis, subiu» pallidioibu& tomeniosis, vems nunique acilcaii*, fluulni* peduncular Z—b aggicgatib folns opposius, pedunculis pttulib ^—4 - plo bicvionbus, calyce cunpmulato cano-touionloso aculeato 4—5-fldo, I iciiins oviio - tmngulanbus, corolli imgn i **alb** i 4—5-flih cxius lomontosa, lacinus ovito - lanceohtib , anlhens in ifius disciclis, sl\lo stamina vix supeiante, stigmale 2>impliu, fiuclu spliaciico — Ins Hongkong Sin it um — & *Mclongnae* aflnc videlur
- 17 S (AMPYLACAiNriUM lloclist mss in A Uicliaid, Tout II Abyss II 102 f— Aculeatum cuile Insi su/Truicscenie nmoso bipcdali lamulis folnsquo \uesccenti-fulvo lomentosis, iculcis numciosis i etui vis bisi lalis compicssis **folus** pctiohls elliptico-ublongis upicc bicpius obiusis **iiit** ncutis, bnsi subobtusis, margine mtegiis aul obtuso iihsmuosis pttiole norvoque medio tum supeinc quim infernc aculcalis, cynus iinplicibus vciius pailcm lainorum supcioicm laicralibus paunliois, flonbus Molaccis (III_DMiis), (il\c c uul jnuhlo fuo usque **aid** medium 5-fldo hcimis sublnarigulaiibus "jubaculis lomcutosis floiis hcimaphiodili aculeali coiolla cxphnala 5-illdd extciuo lumentoa, sk<iuiuihus jrqujlibus bucis ovoideia pruniformibus glbnbs, cilyce impli no slcllato cmclis — (um duobus stquenlibus ex afflmlato S *Mcloiujinat* — llabilit in Aysbiniat piovmcn Clint
- 18 S U^GUICULATUM A llicbud I cii p 102 f— Aculeatum, dense lomentosum **ramis** lerctibus, nculeis mⁱ ipico lomenlosis recurvis, basi valdo htis, folns pcliolatis sohtai j> tui gcimnis ovalibus, bnsi coidius et valde inaequilatcus, apice acutis tut subobluM>, margine obsolete slnuosib, uliique subfusco-vindi-tomontosis sublu» p illidionbus mcimihus, (jmis laicralibus paucilloris longo pedunculatis tomonlois lloic fitili infitioic lcdcxo longius pedicellato, calyce campanulato don& lonxntoso oie quinyuclldo, hcinns trnngulanbus acutis aculcalo, corolla (magnitudiic iorolh(S *tubtiou*) 5-pniiua, hcimis lanccolalis icuiis externe dense tomenlosis inKinc pubcnli)u<>, bdtct — Habitat in Abvssimie ptov'incia Clmc
- 11) S MA(III MUM A Rich I cit p 105 f— Fiuticosum atulcilum ramis vu_oMlls i cclis giacilibus cinerco-lomenlosis, aculcis ICCUIVIS compicssis glabris, folns petiolalis late ovalibus out ovali - oblongis, apice^saepius obtusis, basi cordatis, margine bubintcgnis aul paulisper sinuato - angulatis "tenui - membnn ICCIS pilosis, cjmis laicalibus longe pedunculatis, apice saepius bifurcalis muUifiois tomtntosis, iloie hermaphirodito fciili longius pedunculato relcxo ad basin uiuu:>que ramificationis cyraarium, cilyce apice obsolelo 5-denlalo in uliaque flons foima aculeis destiluto, corolhe loins oblongo-lanccohtis acutiusculis externe lomcncllis, anihcrisi aequalibus, bacci& globosis glabus pisifoimibus — Habitat in Abyssinia icgione sabulosa Cliobo (lien
- ^0 S ADOI %SI llocbst mss in A **Rich** I c 105 +— Aculeatum lamulis subferrugineo-lomentosift iculcis icctis ghbnbs, folns pciiohus ovalibus obtusis, margine **IOCISO**-lobaiis loins obiusis supcrne subtusquo pallidionbus, pilis siellatis conspcsis, peliolo neivoque medio subtusque nculealis, cjmis laleralibus pauciflons, calyce 5-dentalo, dcniibus actitis, coiolhe 5-parliiac externe tomentosao lacinus oblongo-lanceolata, baccis globosis pisiformibus lucidis — (um duobus sequenubus ad *Solatia Lathyio** *caipa* peitinct — Habitat in moniosis ct rudeialis Abyssinia juxta Adoua
- 2i S MACRACANTHUM Ach Rich I cit p 106 f — Aculeatissimura suffVulicosufn ramosissimum ramulis teieubus slcllalo - hit us, aculeis robusiis rectis luieis glabrisj folns peliolatis oblongo - o\alibus obiusiusculis maigine submtegnis aut sinuato - **pan**, dunfoimibus, paivulis vindibus, ulrinque pilis slcllalis conspcsis, ncervo medio iq utiaquo lacie aculcalo, cymis lateralibus pauciflons, calyce hirta aculeato **quinque** "do, latinns corollae ovili-lanceolatis acutis birsutis, baccis ceiasiformibus **auran** liacis glabns — Habitat in montosis rtgm Abyssinia Choae
- & S PIPERIFERUM Ach Rich c p 106 f — AculeaUssimum caule dumoso **lignoso**, roinuhs fenugineo - loinentosis, aculeis leclis sat longis, folns minimis **peuolau**, /BJUI⁷ lalde diveisis, mine suboibicularibus mtogiis, nunc ovalibus integriis, **nunq**

obtuse sinuato-lobuhib vindibus, in uliaque facio hirtis, subtomentosis, saepms inermibus, lanus 1—2-aculcatis, cymis laierahbua breussimis pauciflons, baccis globosis aurantiacis granum piperis mgn vix excedentibus — Habitat in Abyssimac montosis provinciae Tchelikotc

- *3 S FINDHCIMFRANUM Scheclc, 1 innaca XX! 766 f — Caulis suffiuticosus erectui hisi ramosus, rami iscedentes angulati glabn ramosi Folia peliolola alierna incrimin parabolica, basi ulrinqio aunculata anastomosantia subintogemma acuta perforati granuhla, ulnnque glabia, auriculae lolunditao Aculei lali brevissimi slipuliforme*, apice reuirvi ad basin peioli Unbelhe pauciliorae torminales ot apice ramornm ixillares Peduncuh dcflexi glabn pcuolum subacquanles Pedicelli patenies glabu npice incrassati basi ochrcau, pcdumulo floreqne longioies Calycis quinquepariili lacinie ghbrac c basi lation lanceolato-attenuatao Corollae quinquepartnae lacunae oblongae obtusae icflexae, mirgine glanduloso-tilmie, segmenis calycinn duplo longiores Stamina aequalia pctalis breviora Stylus stamina superans Stigma clavatum Dacca * — Habitat in lcpublii Texcensi prope Ncubraunfels/
- <24 S ROCMERIAMJM Scliclee 1 c -|— Herbaceum aculeatura caulis angulatus canescens stellato - tomentosus ramosus Folia alierna pctiolata ovato - oblonga sinuata oblusa unineivia anustomosantia_x supra stellato-tomoniosa in nervo aculeata, lobi rolunddti, iculei i cell compressi honzonialiter patenies Peuoli canaliculati slollaio-pubescentlos Peduncuh extiaaxillaics cymosi crecto-patenies stellato-tomentosi, peiolo tnplo longiores, pedjcollos aquantes Cihcis quinquefldi incrmis stellaio-lomontosi laci-mao appressae, o basi Jitenon lanceolaio-sirbulaiaic tubum vix aequantcs Corolla violacea quinqueflda, olyco triplo longioi, lacunae ovato-Qblongae, extus siellato-pubescentos, intus glabiusculac Stamina aequalia, antherae oblongo-lineares fuscetontos, apice attenuaiae, tubum corollinum aequantcs Stylus creclus quadrangular^ stamina superans, pars stigmntosa clavato-mcrassnta Dacca ? — Habitat In Texade
- & s LODEL11 Ten Sem hoi t Neapolit 1850 coll p 4 adn — (aule herbacco annuo aculcato, foil is oblique ovaiis subcuncalis icpando-angulaiis, utnnque peliohsque aculeatis, pedunculis subbiflons cernuis, floubus violactis, calycibus immulatis demum morecscentibus, baccis quadrilocularibus duns coccineis torulosis depressis 6—8-Iobatis inedulibus, scminum albumine embryonem praecingente — *Sol Aethwpicum var aculeatum* Dun Hist 148 — *Sol pomiferum heibanorum* Lobel Ic 261 Slirp hist obs 185 — Habitat
- ^ S CITRULLIFOLIUM A Braun, Delect sem hort Fnburg 1849 p 3 adn — Herbaceum ramis folusque aculeatis, foliis mferne pinnato-pinnatifldis, superne bipinnatifldis decrescentibus, lobis ainuuto-dentatis acutmsculis, maigine et inferno secus nervos bre\issime glandufoso-pilosis, superne nudiuscuhs, cymis umlaterahbus elongatis multiflona, calyce aculeatissimo, corolla ample (*Sol tuborost* oorollam oequente), irregulari coeruleo - violacea, antbens declinatis, mflma reliquis duplo longiore productissima curvata — *hyclenum vtolaceum* Engelm mss — Pertmet ad *Cyplocmpa* S 2 — Habitat in republica Texensi
- 27 ^s TRICHOARPUM Hiqu Stirp Sunnamens select 134 f — Fruticosum, dense <lellato-pube8cens aculeatum foliis gemims et solitarus triangulan - ovatis, basi leviter inaequali truncaUs, ulnnque subpinnatifldo-tn—quinesinuatis, supra parce puberuhis, sublus nlbido-tomentellis, utnnque aculeatis, cymis mterpetiolanbus, densissinae tomentosis brevissimis dihotomis, ramis aubscorpioidea-racemosis, calyce brevisslmo subsemigloi)OS0 truneato vel subsinuato, bacois globosis pubescenti-tomeniel-_{J18} — Crescit in Surinam

f Icones addeudae.

- ^s CUNEIFOLIUM Dun — Wlprs Report III 72 no 259 VI 609 - Miqu Slirp Sunn •eleot 134 f tab 39

- s DI NTIFLI \TUM Illume — Wlpis I c llf 61 no llf — Wght Icon pi Iml or I\ nl» Lk7
- S> V\ I()\ I inn — Wlpr-. I c 86 jio 317 — W^lu 1 c lab 1399 1400
- S MCOLIM Willd — Wlpis I c 80 no 368 — Wgln I (lab 1401
- s MI I OMil NA I inn — Wlprs 1 (81 no 319 — Wght Illusir of Indian bolon II lib 166
- s PUII s(I\ S Willd — Wlprs I c 92 no 381 — Wgln I c tab 1402
- s IWDLI V Vuil — Wlprs I c 53 no 114 VI 591 no 50 [5 — Miqu Surp Surinam sthtt 133 t nh JS
- s SOMNK II I NTLM Kuzo — Wlpis I c VI 589 no 40 — Van Houlle, Floie des SITUS V nb 454
- s VLIUnsdI OLIItf I inn — Wlprs 1 (53 no 118 ft VI 591 no 97 — Wght Icon pl Iml oi IV lib lit*

3857 ATBOPA Linn

(Wlprb Reçoit III 102 [ex p] VI 610 — Miers in Hook Kew gnrd misc I 137)

Cilvx uiccoldlo-cimpinuldus quinqueputilus laciniis duplo-*lnp]o\c* lubo bicMssimo loFuioihus leulib cicdis, ui^iscens, denium stellalopatens Goiold iifiJiKlibulifonni-camptHiiilafa, limbo brtvi quinquepartito, hcimis oblon^is ob(usi<, dclslivalionc imbncalis Stamina quinque, acqualia incliisa, lilaincntd uno coioldde adnata, basi crassiuscula formcala lanata, superne subulata, apicc subito inllcxa, anlhcrac ovatae defixac))ilobae, lobis parallelis, sine connectso medio nexis Ovanum ovalum com cum, disco cainoso quadnlobo imposilum, biloculaie, pla(entis (inn dissepimenlo crucifoimibus rnox lunalis incrassatis ubique ovuli^dis. Stylus filiformis, apicc inflexus ct incidssalus Stigma subglobosum, labus duobus tiansvcisis compressis ^rlandulosis signatum. Dacca globosa bisulcata biloculans, cal>ce palente suffulla. Semina plunma in pulpa nidulanlia icniformi-ovala, subcompressa, testa favoso-scrobiculata, lulo sublataiali Embryo tcras in albumme subcainoso subspn alici drcuatus, radícula an^ulum basilarcm spectante» colylcdomhus scmiteretibus sublongioic — Herbae perennes EuropaeaB' et Asialicae, caulcscentes, foliis geminalis lritepemmis, peduncuhs ex* traaxillanbus solitams uniflons, corolla flavescente vel lundo-violacea

- 1 A HLLLAOONNA Linn — Wlprs 1 c 103 no 10 — Miere 1 c 138 — Gaulibus erecti* dichotomy, folus geminaiis, aliero dimidio minore, late ovatis, versus apiccm acum!" nans acutis, bnsi rotundaiis el in peiolum loogum roponto cuneato-atlenuatis glfbernmis, pedunculo pubescento, flonfero pondulo, fruclifero erecto clongato, opice Incrassnto, corolla lurido-violacca, flamenus imo sparse pubescentibus — Crescit In Euiopa
- 2 A ACUMINATA Rojlc, Himal hot 279 — Journ hort soc I 306 — Miors I o. ** Caulibus erectis dicboiomis, folus geminaiis, altero leriio mm ore, oblongo - elliptic*** longo sensim acuminatis, imo in peiolum gradaiim attenuatis glabernmis, ^{col^}JJJ' mnjore vindescenti-lutca, filamontis imo dense Innatis — < lescit in Mongolia, ~~lun~~ ped₄ aim

3857/, **DISCOPODIUM** *Hochst*

(Wlprs Recept M 611)

i *D PENNINFRVIUM Hochst — Wlprs I c no 1 - A Rich Tent (I Abyss II 10?
f lab 79

3857/2 **HEBECIUS** *Miers*

(Wlprs Report VI 611)

- 1 II MOLLIS Miers in Hook Lond\journ of bot VII 352 0: 11) S Am pi tab 33 —
(nule subhiccibacco fixnoso dichotomo liu tello subingulan, fohis geminalis oblongis,
bn-ii obtusatis, apice luinmatis, megularilci cl giosse sinualo-sciratis, utnnquo
mollitci lintellis, pilis aiiuihu*, pedunculo axilhu, |e| c dichotomia oiio, gracih
molliici piloso bidoio, folio subaujuilongo v corolla glabia lutca, gomtalibus inclusis.
— Crescit m No\|a Graindi
- 2 II GRAMJLOSUS Miers 1 c 352 — Caule suiriuticoso fleiuoso dichotomo anguloto
fusco - lomnicillo, full is solitams oviis aicnualis, supia furfurosis |e| glanduloso-
nsperculis, jiinionbus hutellis- pilis arlicularis, subtus pilosulis, pedunculis solitarus
c dicliotomus nxilhnbus pilosis pctiolo acqmlongis biflons, flonbus podicellalis,
calyco parvulo, molliier piloso, corolla lutca glabia, margino lomenella, gonilalibus
inclusis — Ciepcit in Nova Granada, locis frlgidis inter Ibaguo et Carthago
- 3 II MNUOSUS Miers 1 c — Caule angulato siiialo, inolliior piloso, foliis altoms vel
gemnituis, altcio subminoi, oblongis grosso sinuato - dentatis, lobis obiusiusculis,
ulrinquo pilib ailiculis inolliu i Inrsuiis, m ugint ciliaus, rliachi ncvisquu proim-
nuhs imo in ptiolum tlongilum angu<lo docurrentibus, pedunculo billoro, poliolo
tuplo bievioire, pediccllib icquilongis caljccque dense pilots, corolla fore glabn t
sicco lulta, limbi lobis acutis, sianunibus vix exseilis — Ciescit In Peruvim, in pro-
vincia Cbachnpoyas

3857/3. **SALPICHROA** *Miers.*

(Wlprs Report VI 612)

- * S HIRSUTA Miers in Hook Lond journ ol bot VII #34 & in Wlprs Repeit VI 619
no 3 — Miers, Illustr or S Am pi lab 28 — Caule suffruilcoso ramosissimo dif-
fuso, ramulis molhter hnsutis, folns alternis vel in turiombus fascicularis ovatis,
basi obtusis inaequalibus, apice acutiussculs, utnnquo pilis articulatis sparse hirsulis,
longissimo peiolatis, potiolo complanato tenuissimo ciliato, limbo 3- vol 4-plo lon-
gioro, pedunculo cnpillau potiolo brovioro, calyce hirsulo profunde quioquopartito,
locinus lincan-subulatis crocus, corolla longu tubuloso, extus pilosula, tubo Imo grn-
ciH, superne infundibuliformi, calyce quadruplo longiore et petiolo aequilongo,
anhens styloque subxsertis, bncca ovah, calyoe persisiente suffulla. — *Alropa hvsuta*
Meyen, Rewo I 416 — Wlprs Reperit III 102 no. 5 — Crescit in Peruvia, circa Pi-
acomam, alt 15000 ped
- ² S DIFFUSA Miers 1 c 335 ft III S Am p] lab 28 D — Caule suffruticoso ramosis-
simo drrarlcario-flexuoso, foliis geminis ovatis, basi obtusis, apice subacutis, utrinque
pills arlicularis hirtelhs, margine floccosis, petiolo dilatato limbo brovioro, flonbus
<oluanis, brevitei pedunculatis, calyco 5-paruio hirsuto, lacinus lincanbus, corolla
Ul.

subbrevis infundibuliformi, tubo nullo modo gracili, ore subcoarctata, calyce duobus
 sed vix triplo longiore, obtusiusculis reflexis, limbo laciniis oblongis obtusiusculis reflexis,
 margine ciliatis; geniculis inclusis. — Crescit in America occidentali intertropica,
 in Nova Granada (Bogota), Quito (Lloa, Picluncha), et in Andibus Peruvianis.

- 3 S. TRISTIS Miers 1. c. fig. III S. Am. pi. lab. 28 C. — frumilis suaviter villosa: ramis
 flexuosis subdichotomis, nudis striato-rugosis ramulis tenuissimis brevibus; folia
 geminalia minoribus obovatis, apice subacutis, basi obtusis, in petiolum planum
 canaliculatum decurrentibus, carnosulis avenis, utrinque glanduloso-pubescentibus;
 floribus solitariis pedicellatis nuianlibus; calyce subglabro profunde quinquepartito,
 laciniis linearibus-subulatis acutis; corolla tubulosa, tubo imo latiore glabro; staminibus
 styloque inclusis glabris. — Crescit in Quito, in Andibus Peruvianis et Quilensibus.

3858. WITHASTIA Pauquy.

(Wlprs. Report. HL 104. — Miers in Hook. Kew gard. misc. I. 225.)

Calyx urceolato-campanulatus, dehiscentibus quinque longe scitiformibus,
 demum nectus. Corolla breviter infundibuliformis, limbo quinquefidis,
 laciniis linearibus expansis oblongis, inbo acquilongis, aestivatione val-
 vala. Stamina quinque aequalia corollae tubo breviora, filamenta mem-
 branae, imo valde dilatata, in anulum sese fere attingentia et imo
 tubo adnata; antherae oblongae cordatae apiciferae bilobae, lobis paral-
 lele connatis, longitudinaliter inclusis deliiscentibus. Ovarium oblongum
 biloculare, placentalis dissepimento utrinque adnatis multiovulatis, Stylus
 simplex. Stigma capitalo-bilobum. Haecca bilocularis, calyce aucto
 coriaceo campanulato ore exarcto inclusa. Semina pauca, pro mole
 magna, reniformia. Embryo intra albumen carnosum spiralis teres,
 cotyledonibus semiteretibus, radícula infera ad angulum basalem spe-
 ctante brevioribus. — Frutices Hispanici, Algerienses et Canarienses:
 foliis alternis v. geminis ovatis aut oblongis obtusis; floribus paucis
 extra-axillaribus.

1. W. FRUTESCENS Pauquy. — Wlprs. 1. c. no. 1. — Miers 1. c. — Fruticosa: foliis
 ovatis subcordatis, sparse pubescentibus aut glabris, margine petioloque ciliatis; flo-
 ribus 1—3 aggregatis pedicellatis subextraaxillaribus. — *Atropa frutescens* Linn. —
Physalis frutescens DC. — *llynoticum frutescens* Rodr. — *Physalis tuberosa* CQV. —
 Crescit in Hispania et Algeria.
2. W. ARISTATA Pauquy. — Wlprs. 1. c. no. 2. — Miers 1. c. 226. — Fruticosa: ramis
 compressis angulatis; foliis oblongis vel rotundatis subcordatis, apice obtusis, retusis
 utrinque glabrescentibus, margine petioloque canaliculato ciliatis; floribus solitariis
 subextraaxillaribus: pedunculis lanatis. — *Atropa aristata* Poir. — *Physalis aristata*
 Ait. — Crescit in insulis Canariensibus.

3859. MAHTDRAGORA Tournef.

(Wlprs. Reperit. III. 104. — Miers, Annal. of nat. hist. VI. 39.)

1. *M. MAHTDRAGORA Bortol. — Wlprs. 1. c. 105. no. 4. - *M. autumnalis* Bertol. - Val-
 l. Flore des serres V. tab. 457.

3861/x. THOTOOJBTOHT *Bnth.* (nee *Trimgeton*).

(Wlprs. Rcpert. VI. 615.)

1. 'TH. MIERSII Miers, Ann. of nat. hist. [2. Ser.] IV. 359. ft III. of S. Am. pi. tab. 50. - *Dictyocalyx Mieisu* Hook. ill. — Wlprs. Annl. I. 528. no. 1.
2. TH. LOBBIANUM Miers I. c. 360. f — Viscoso - pubescens: caulo striato flexuoso; follis ovalibus, irregulariter sinuato-angulosis et denatis, imo cordato - auriculatis, et ia petiolum longiusculum breviter attenualis 3—5-neviis tenuioribus, ulrinque tomento brvci glanduloso subincano pubescentibus, peliolo tenui valde tomentoso; floribus geminatis; calyce pubescente; corolla subviolacea, extus puberula; staminibus inaequalibus, corolla 2—3-plove brevioribus. — Habitat in Columbia ft in Peruvia.

3861/a. DORYSTICMIA *Miers.*

(Wlprs. Report. VI. 615.)

- t. D. CRISPUM Miers in Hook. Lond. journ. of bot. VII. 333. ft III. S. Am. pi. tab. 28 A* — Caulibus plurimis cnespitosis; foliis subfasciculatis gibberrimis carnosulis, irregulariter pinnatifido - laciniatis, in petiolum longum alatum decurrentibus, laciniis jatis brevibus, raucronato- et sinuoso-dentatis uninerviis nvemis/sinubus crispato-undulatis, margine subrevolutis; floribus cum foliis in collum fnsiculatis; bracteis parvis - subulatis; corolla extus imo glabra, superne pubescente, intus ad faucem lanuginosa, limbi laciniis oblongis oblusis; staminibus fere exsertis. — Crescit in Bolivia.

3862. JUAHTIJIIIJOA *RZ. tr Pav.*

- (Wlprs. Repert. III. 106. § 934. VI. 616, Annal. I. 530.)

1. J. PARASITIGA R. ft Pav. — Wlprs. 1.1.1.1. c. c. c. c.* - Miers in Jardine and Selby, Annals of natural history (2. Ser.) IV. pag. 188. — R. ft P. Fl. Peruv. II. 47.-tab. 188. — Suffrutex epiphyticus: ramulis junioribus angulalis glabris, epidermide tenui rimosa; foliis oblongis acuminatis coriaceis nitidis ruguloso - punctulatis, subtus albido - vel flavido-furfuraceis, petiolo canaliculato tenui, limbo 4—6-plo brevior; raoemis terminalibus pendulis, dichotome ramosis; calyce magno ovato carnosus colorato inflato quinquangujato, laciniis demum sejunctis; corolla punicea cylindrica, calyce paulo longiore, medio subinflata, fauce coarctata, lobis brevibus rotundatis patentibus; bacca - cerasi magnitudine punicea, sepalis erectis vesiita. — *Ulloa parasitica* Pers. ^- Habitat in Andibus Peruvianis excelsis.
2. J. MEXICANA Miers 1. cit. p. 188. — Frutex orgyalis: ramis glabris, epidermide rimosa, junioribus fulvido-tomejitosis; foliis ovalis vel late lonceolatis, ulrinque breviter petiolatis; calyce magno, e senalis quinque lalo ovalis, imo angusld - attenuatis, tertia pane inflata in lubum pentagonum quinquealatum margine cohaerentibus, demum sejunctis; corolla calyce paulo longiore tubulosa aub-0-gona, extus stellato-tomentosa, intus glabra carnosus, limbi laciniis brevibus obtusis; staminibus imo tomentosis inclusis. — *Laureria Mexicana* Schlichtl. — *Drugmansia (lonbunda?* Paxt. Mag. of bot, IX. 241. (c. ic.) — Habitat in Mexico.
8. J. HOOKERIANA Miers 1. o. 189. — Frutex subscandens: ramis glabris incano-glaucis, epidermide riinosa, junioribus argeateo - tomeioiosis; foliis elliptico-oblongis, ulrinque

subtenuatis subcoriaceis, supra laevibus, subius glutinosis-pulverulentis*, pilis stollatis subincomptis, petiolo glabro subtenui canaliculato; ramoso brevi subpaniculato laterali; pedicellis brevissimis crassis; calyce magno inflato quinquangulato, breviter quinquecostato, angulis mox alatis et undulatis, et sepalis lineari-lanceolatis trinerviis crasso coriaceis aurantiaco-pulverulentis, margine colicostatis, demum liberis et persistentibus* corolla cylindrica, limbo breviter coarctata, calyce interno longioro, limbi laciniis ovatis obtusis palmatis; antheris infra faucem arete connatis. — 3. *parasitica* [Hook. Bot. Mag. tab. 4118. — Habitat . . . ?]

4. *J. PANAMENSIS* Miers l. cit. p. 190 f. III. S. Am. pi. tab. 46. — Frutex scandens: ramis glabris onguloso-compressis, epidermide rimosa; foliis elliptico-oblongis, utrinque obtenuatis coriaceis, supra laevibus, subtus olivaceo-pulverulentis, pilis stellatis flavidis tomentosis, petiolo glabro subleni canaliculato; racemis brevissimis, 3—4 terminalibus aggregatis; floribus subumbellatis confertis; pedicellis calyce fere aequilongis, demum in fructu apice incrassatis duplo longioribus; calyce breviter pseudoangulato, sepalis demum liberis lanceolatis acutis, basi latis, carnosissimis, aurantiaco-pulverulentis; corolla cylindrica, imo ore coarctata, supra medium inflata, calyce fere triplo longiore, nervis 5 prominentibus, limbi laciniis brevissimis obtusiusculis; staminibus inclusis; bacca oblonga, stylo persistente apiculata, sepalis corincois sejunctis cincta. — In isthmo Panamensi.

386%. *ECTOZOMA* Miers.

(Miers in Jardine and Selby, Annals of natural history [2. Ser.] IV. p. 192.)

Calyx campanulatus brevis crassus, subaequaliter quinquecostatus, dentibus triangularibus erectis. Corolla breviter tubulosa, medio subindata, crasse carnosissima, limbo quinquelobo, lobis suborbicularibus, aestivatione imbricatis. Stamina quinque aequalia inclusa, filamenta brevissima compressa, cum dorso annuli perigynii liberi tenuis marginis, ciliis orta. Antherae oblongae, imo subcordatae, apice mucronatae, lobis coriaceis connectivo dorsali lineari parallelis adnatis, margine longitudinaliter dehiscentibus. Ovarium obovatum. Stylus erectus. Stigma fere exsertum globosum subbilobum. Fructus ignotus. — Suffrutex Ecuadorensis glaberrimus, scandens?: folia alternata ovata, vix acuta; inflorescentia paniculata terminalis.

1. *E. PAVONII* Miers l. c. 192. 8c III. of S. Am. pi. tab. 48. — Glaberrima: ramulis compressis subangulatis, epidermide rimosa; foliis late ovatis, basi apiceque obtusiusculis, vix dentatis et coriaceis, supra impresso-punctulatis, venis insculptis, subtus pullidissimis, venis prominentibus, petiolo crasso canaliculato, racemis paniculatis, 2—3 lateralibus; floribus breviter pedicellatis; calyce carnosissimo aurantiaco piloso, pilis brevibus-articulatis; corolla carnosissima aurantiaca glabra, limbi laciniis crassiusculis. — Habitat in Guayaquil.

3862/3. *SARCOPHYS* Miers.

(Miers in Jardine and Selby, Annals of natural history [2. Ser.] IV. p. 192.)

Calyx magnus coloratus ovatus induratus-tubulosus crasse carnosissimus ore coarctato, breviter quinquepartito, laciniis acutis erectis, persistentibus sed non augescens. Corolla cylindrica-tubulosa, tubo medio subinflato calyce triplo longiore, limbo breviter quinquelobo, lobis acutis reflexis staminibus styloque inclusis. Bacca ovata, styli basi apiculata, calyce

coriaceo irregulariter fissis vestita. Caetera ignota. — Suffrutex scandens Novae Granadae: folia alterna ovata coriacea; racemi penduli pauciflori; corolla speciosa.

1. S. SPECIOSA Miers 1. c. pag. 191. 6c III. of S. Am. pi. tab. 47. — Ramis dependemibus, dense tomentosis; foliis ovalis, basi obtusis, apice breviter angustatis crasse corinccis, nervis profutulo impressis, supra glaberrimis, minute ruguloso-punctulatis, subtus flavido-tomentosis, piliis stellato-brunneis, petiolo crasso reliquo canaliculato, subbrovi; calyce magno colorato; corolla punicea?, calyce duplo longiore, exius subtomentosa; bacco hiago, calyce vix aucto fissis aequilongo inclusa. — Habitat in Nova Granada.

3863. *HYCHM Litiit.*

(Wlprs. Report. III. 106. VI 616.)

1. L. INDICUM Wght. Icon. pi. Ind. or. IV. tab. 1403. — Fruticosum ramosum: ramis patentibus flexuosis, apice spinescentibus; foliis fascicularis obovato-lanceolatis vel subspathulatis, breviter petiolatis; pedunculis axillaribus solitariis vel 2—3-nis aggregatis, calycem quinquepartitum subaequantibus; corolla erecta infundibuliformi, calycem triplo superantem, prope basin contracta; staminibus subaequalibus, longioribus subexsertis, infra medium tubi corollinae insertis, filamentis pilosis, basi non incrassatis, antheris brevibus subversatilibus; ovario biloculari, ovulis numerosis; stigmate capitato; fructu globoso per abortum disperso; seminibus compressis reniformibus, dorso muricatis. — In India orientali.
2. L. MINUTIFOLIUM Remy In Gay, Historia de Chile (Bot.) V. p. 93. f — Caulibus spinosis ramosissimis? tortuosis; foliis fasciculatis minutissimis ovatis obtusis hirsutis; pedunculis axillaribus unifloris solitariis; calyce quadridentato, vix puberulo; corolla angusta tubulosa longiuscula, apice vix dilatata, limbo quadriplo; staminibus vix exsertis. — Crescit in Chile.
3. L. STENOPLYLLUM Remy 1. c. p. 94. f — Spinescens: caulibus ramosis; foliis fasciculatis inaequalibus linearibus crassiusculis obtusis pubescentibus, 3 lineas longis; flonibus solitariis axillaribus; calyce quadruplo pubescente, segmentis oblongis obtusis; corolla tubulosa. — Chile.

3863A. *HYCOPIDESIUM Miers.*

(Wlprs. Report. VI. 617.)

1. L. PASCICULATUM Miers in Hook. Lond. Journ. of bot. VII. 336. fig. 111. S. Am. pi. tab. 29. — Spinosum: ramulis subflexuosis fere rugosis; foliis alternis vel in axillis fasciculatis, oblongo-spathulatis glabris carnosulis, nervis pinnatis immersis, basi in petiolum subbreve spinulosam, apice obtusis, floribus in medio spinarum binis, vel ex apice emulsi plurimis cnaus, verticillato-fasciculatis; pedunculis calyceque subpubescentibus; corollae tubo breviter, summo campanulato, excluso pubescente, limbo profunde quinquepartito, lobis expansis, margine albido-floccosis; staminibus styloque exsertis. — Crescit in Bolivia.

3863 $\frac{1}{2}$. *CHAEIVATHES Miers.*

(Wlprs. Report. VI. 618, Annal. I. 530.) omnino delectur, nam:

^cH. CORNIFOLIA filiers = JOCHROMA CORNIFOLIUM Miers.

^cH. FUCHSIOIDES Miers = JOCHROMA FUCHSIOIDES Miers.

(II f.FSM RIQIbtb Miu* = JOriROM\ GI SNI'RIOIDhS Miers
 CII LWUOI \TA WieM = IOUIROMA J AM I 01 ATUM Mieis
 CII LU\I NSIS Miers = JOMIROMA LOXbiNSF Miers
 CII UMMRUSA Mitis = IOUU10MA UMURUSUM Miers

Genus mrfcsuiptuni, foitasse hujus loci.

FREO1R4HDI\J)nnal.

(Duml, Cat pi semin hort Monspel 1849 coll p 7)

‡ FR I UTHFLOHV Dutnl ox Dolilo Ind somin horl Monsp 1849 p 7 f — Frutex
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 ixillis folioium sicpf turn-* pMlnellis dtbilibus iiaaounlibu? — filvx uiceolalus bre-
 \ii qiiuicdecritntus dentilju^ mirmtis Cotoih uiceoldto - lot it i (fore *Physalidis Cu-*
lassaunu), limbo quinqin plit ito dcinuni c\ MHisttiis Stamina qumqut mclusu, ger-
 inon sphuLiitini stylus rctlus, stigma cipn Hum UJCCU lulna lucid i giossulonoides,
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3865 %CjiriSTIJS *Sthoti*

(Wlpr^ IUJICII III 11^ VI (>iy Vnntl I 5.30)

‡ A (UNH It III I OHIS Mici^ in Judine mid StJhj \nnols of nntur.il hibion [i Ser]
 1\ |t JI i — Raniulis f^ldliiii stuilis, I JIIS fascicul ids oblongis, b tsi cunoalis, in
 ptliuluni lon,iiui feijcilun illtuu ui> ijice obiubiusculib, tupiu pubescenlibus, bublus
 fuscus tointnubii, llunbus uinbcJluu fisticulntis, peduntulis ipico inciassatii caljce-
 que >IUMIHCUIIS, (OIOIIQ luita glibu, lobM aculis, inaignibus touicnlosis, stmnibus
 stjloquo subexcitit — Iljbitat in T'cru\id

f Genus Solanaceum embryo spirah msigne.

3874. TRIGUfiRA Cav

(Wlprb Rcpil III 124 — MKI» m Hook Kcw gartl ini^c I 6b)

Calyx piofundo quinquepaililiis subnicmbranarcus peisistens, lacinns
 subacqualibub ianccolalis (oroll) campanulata, limbo quinquelobo ob-
 liquo, lobis itiacquahbus bievibus oblusis mucronulatis, supenon bre-
 MOII rdlevo, 2 inferionbus erccUonbus, acslivatione induphcato-valvata.
 Stamina quunque, inclusa, filarnta bicvia glabra, imo in urceolum
 mellilluum amularem e basi coiollae oitum coalita, antherae magnae
 commvencs oblon^ae, Infenoi paulo minon, basi cordatae, imo dorso
 affixac bjJoculjjes, apice bicoinutac, introisac^loculis parallebs adnalis,
 pnmum pons geminib apicalibus, demum nmis lon^iludinahbus intus de-
 luscenlibus Ovanum sub^lobosnm biloculare pauciovulturn, ovuhs disse-
 pimento placentifeio utnquo adnalis Stylus simplex gracihs persistens.
 Stigma parvum obtusum gJoboso-clavatum cavum Bacca sicca bilocij^
 laris, calyce auc]o mcmbianacto suilulla, coitice mcmbianaceo, dissepi-
 mento tenuibbimo sub^obhteiato Seinma 4—6, magna compresa **reni-:**

formia, hilo in sinu profundo laterale; tesla favosa, embryo intra albumen carnosum spiraliter curvatus teres, radícula ad angulum basalem spectante, hilo lateral] cvitante, cotyledonibus semilanceatis sublongiore. — Herbae Hispanicae annuae narcoticae, saepe museum redolentes: folia alterna sessilia subdecurrentia obovata sinuato-dentata vel integra; pedunculus extraaxillaris bifidus biflorus, pedicelli graciles articulati nutantes; corolla superne coerulescens* imo albescens et radiis quinque alobis notata.

1. TR. AMBROSIACA Cav. — (Wlprs. I. c. no. 1.) — Mics 1. c. f. ft III. pi. S. Am. H. (indii.) — Annun: caule sulcato glabro; foliis radicalibus iniegris glabris caulisque obovatis, sessilibus, imo cuneatis iniegris nervulis alatis decurrentibus, line grosse serratis, apice obtusiusculis glauco-viridibus, utrinque glabris, margine ciliatis; pedunculo solitario lateraliter subaxillari, bifido, pedicellis o glandulis lobatis cupuliformibus nectariis calyceque dense lanato-pilosis; corolla purpurea violacea glabra, lobis rotundatis, exclus pilosis, urceolo staminifero brevi, ovarium dimidium includente. — *Tr. haccata* Gmel. — *Verbascum Osbeckii* Linn. — Crescit in provincia Andalusiae Hispaniae.
2. TR. INODORA Cav. — (Wlprs. I. c. no. 2.) — Mics 1. c. 67. — Planta tota glabra: foliis ovato-lanceolatis inermis, marginibus vix decurrentibus inobtusis; pedunculo calyceque glabris; corolla pallide violacea; urceolo staminifero majore, ovarium totum includente. — In Andalusia.

**Subordo II. JRJEC'TJEFJEBM YEAÉ Endl. —
Wlprs. Repert. III. I] 4.**

Tribus V. *CESTRINEAE* Endl. — Wlprs. 1. c.

3865. CESTRUM Linn.

(Wlprs. Reperl. III. 114. 934. & 952b. U 620, Annal. I. 530.)

1. *C. CALYCINUM Willd. — Wlprs. Reperl. III. 115. no. 11. VI. 622. no. 8. - Pan. ft Lindl. Flow. gard. I. 153. fig. 97.

3666. J>IHVAIIA // D. Knth.

(Wlprs. Repert. III. 122. VI. 628.)

1. D. LILACINA Mics in Jardine ami Selby, Annals of natur. history (2. Ser.) IV. pag. 32. f — Fruticosa inermis: ramulis striatis; foliis in axillis fasciculatis spiculato-oblongis, apice obtusiusculis vix acutis, in petiolum elongatum gracilem attenuatis; Utrique glaberrimis, margine revolutis, venis superne immergis, subtus coloratis; floribus in fasciculis axillaribus solitariis nuantibus; pedunculo gracili unifloro calyceque brevi campanulato quinquenervio glabro, denibus 5 rotundatis mucronatis; corolla infundibuliformi lilacina, calyce sextuplo longiore, extus vix puberula, intus superno glabra, imo pubescente, limbo brevissimo tomentosissimo, fere integro, denibus 5—6, acutis, cum alteris fere obsolete glabris interjectis; staminibus 5—6, inclusis, quorum 3 paulo breviora, filamentis glabris, supra basin insertis, appendicibus brevibus, utrinque biobtusis, cano-pubescentibus; stylo glabro incluso. — Habitat...?

- i* 1) DR VHH vrwriVMiois inlook Iond |ourn of bot MI 339 — Fruticosa spinosa (IIIMIIIIII I unit \n lltuosi*, sj mis nudis broibus, folns in ixillis fisciculatis, in inn tiibus ilicims oblongis, in p<lioluin olongium icnucm spubuhlis obtusis, utnn- < n^libns supn lucidis subtus (1 ni s(cnlī - pllidis pinmto nmosis mirginibus sulnj voluīs floubus subtcinisi pedunculi* umnou* giacilibus nljcc glibro, curie tubul J>) in nibnn ice o quinquericmo bnviiu quin (iic Ientito rorolh Mjhcea longe tubule si Innbo mgusto bicviici qmuqm I b) in iigimbus floecosis lobts luangulanbus ipieo i tlio^i d(niilnis rotund ids gldnis in sinubus Inlcijctis, ^lamimbus mcluisib — Crescil in liolivn
- J D AC NIS IOIDI S Minis 1 < 318 -f — Incimis i imis sluaiis gl<iberiimi>, folns alter- IIS ((lonfnis gunns \el icrnis) cllipiico- oblongis acutiussculi*, uno in pcliolum li iiKuū giacilciii cinalicuhlum itwnuaiis utnqur ghbcnrmis, supn {,landuloso-piui- nosis- subius p ilhd(^laucis iliiclu ptommenle ncvis(luo piniulis rubescentibus, /lonbus in IMIIS bi|ioi lonlius | liiiiiiii* (<nciici ^0) fisciculalo - aggregntis, pctiolo teqinlun^is |M(hirimlis (Ililoiniibiis (al)<qcnc n^hbns corollac tubo glabro cilyce quidiui lo I ngiiK lobis biCMbus (\lus IOIIM niosis siammibus inclusis mfn medium ms(i n> d|>pcii(Lcibus llhmcnio gl ibi o in tio In CMJI ibus imoque tubi pubesculibus stylo ghbio MX c\scito — *I ljeuim sf uthuhtum 11/ ii l'i* — (icscit in Hu inaco Poruviae
- 4 I) KYMIIIOHY MICI » t c JO f— riulicosJ obsolrle spinos i nmis slualis gl ibci- IIIIS 1(Ins in i| K (minium 1 istieul ills am ix mills announis solilims v grmmis, olilon^is. III | r iioiiiiii (I jngTiuin < in IM ul iliiin K nu(in sphuhtis oblusmsculis, utrin- qu< ^lilns sul tus j illidioiibus miih,iri(subicxolulis ICIMS llexuosis floubus axil- hnbus 11 lesdiin in iimoliuus solilims l mils I mis | (dunculis giteilibus uniftons, tiljic lir\i < m) lnuhio quinquuK i vio (kntilnis quin juc obliuis coiolla inajuscula Mi(s((iii(lubo (I n_o ilo infiiidibillitoinii i,hbi) mlus nuo lomentoso, limbo bre- vissimo Ilin| iiiiul ilo (ilnio qumqu infill ito in^ulis iculis dcuibus bievibus oblusis ghbris inu ijceis snnuuibiis inKqunlibus lubo inullo brevionbus, stylo longe ex- scerto — < icscit in Mexico ad Vci t (IUZ in uliginosis all 500 ped
- 5 U SI \ri(OS\ Micis I c 310 f - H inns spinosis toituosis MX flexuosis subslrialis tugosis, folns pnvib oblongis in | ciolum bic\Qm spalbuhtis obtusis ghbns carno- hulis-, uiniique pillide Micseoniibui), lloibub solilims vel binis uno piaccocioie, ca- lyco bievi |iciti^ono mm lonaiio-dtannio, coiolh viol tec i, longe lubulosi limbo \er- sus dpicun pubescenic bic\nci sinuato qumquclobo lobis Uiangulnnbus callosis, mu^inc tomeniosis, deniibus longib inicij<eiis, staimbus inclusib maequalibus — Ciescit in Coin J a

38G7 HABROTHARUVrS *Indl*

(Wlpis lkicil III 1^2 U 934 l<*>] VI 6^9, Annal I 531)

- 1 II AUIUNmcUS Rgl Ind simm hoiI Tune IHJO coll p 4 ndn f — Frulicosus, lotus molluci toinentosus foliis pciolaus hie ovalis icuminnlis lcpindo-subcienalis MI inh b'irimis llonbin nunnlmus necmoso -fascicuhtis, lacinus rilycis nngusie linecohlis, coiolh coljccm miilio bupciinte tubulosi, id fauc(m conielatd glabra, lacinus ovatis oblusis rccun Uis — Uuibiuu in Gimemala

3867/,. JOCH11OMA *Bnth*

(Wlprs Ilcpcii \I 629 — Micis in Hook Lond journ of bot VII 343)

. Calyx ovato-tubulosus subinflatus submembranaceus quinquedenlatiD^> denlibus inacquahbus, mlerdum lore obsolctis, demum parum auctus,.

persilens et in fructus grossificatione saepe lateraliter hinc fissus. Corolla tubulosa, calyce 4*—6-plo longior, raedio subincurva et subdilatata, limbo brevissimo, vix expanso, aestivatione plicata, margine paene integro, floccoso, dentibus quinque minimis rotundatis et alteris quinque quasi obsolete in sinibus intermediis notata. Stamina quinque subinclusa, filamenta teretia, paulo supra basin tubi inserta, imo crassiuscula tomentosa, superne gracilia glabra, antherae oblongae biloculares, imo paulo discretae, in sinu basifixae, loculis parallelis coadunatis, rim a externa longitudinaliter dehiscentibus. Ovarium obovatum, imo disco annulari fere obsolete cinctum biloculare, ovulis plurimis, dissepimento incrassato utrinque affixis. Stylus filiformis, apice paulo incrassatus, saepissime exsertus. Stigma clavato-capitata turn, emarginato-bilobum. Bacca calyce membranaceo vesiciforme, interdum hinc fissis inclusa bilocularis. Semina numerosa compressa, reniformi-rhomboidea, in pulpa tenui nidulantia, testa scrobiculata. Embryo intra albumen-carnosum fere annularis filiformis, cotyledonibus semitretibus, radícula paulo curvata infera, ab hilo laterali declinante, aequilongis. — Suffrutices Americae intertropicae indigenae: folia alterna petiolata elliptica integra; lobes rarius axillares bini vel saepissime e ramulo novello cymulam urnelliformem, primum terminalem, mox lateralem simulantem; pedicelli unguis elongati; corollae longae speciosae.

§. 1. *Jochromata vera*: corolla dense purpurea.

1. J. TUBULOSUM Onlh. in Lindl. Bot. Reg. vol. XXXI. tab. 30. — Wlprs. I. c. no. 1. — Miers. 1. c. 344. — Ramulis junioribus incano-pulverulentis; foliis ellipticis, utrinque acuminatis, subaculis, imo in petiolum decurrentibus, pulverulentis, superne demum parce pubescentibus; cymula 6—8-loba; calyce inflato; corolla profunde purpurea. — *Ilabrothamnus cyanus* Lindl. — Crescit in Loxa, in Andibus Ecuadorensibus.
- V. J. LONGIPES Miers 1. c. — Ramulis glabris; foliis ellipticis, utrinque acuminatis, longe petiolatis, undique glaberrimis, subtus pallidioribus, margine subrevolutis; lobis speciosis fasciculatis, longissime pedunculatis glabris, pedunculo apice incrassato; corollae tubo elongato, limbo brevissimo subcampanulato, margine tomentoso, dentibus quinque minimis rotundatis cum alteris in sinibus nolatis; genitalibus exsertis; bacca oblonga, calyce persistente lateraliter fissis cincta et duplo longiore. — Crescit in valle Lloao, Ecuador.

§. 2. *Chaenesthes*: calyce in fructu lateraliter fissis; corolla coccinea vel aurantiaca.

3. J. FUCHSIOIDES Miers. I. c. 345. — Fructus sesquiorgyalis: foliis obovato-oblongis, in petiolum gracilem attenuatis obtusiusculis subfasciculatis glaberrimis; floribus umbellato-fasciculatis axillaribus terminalibusque; pedicellis glabris elongatis cernuis; calyce subglobose, margine brevissime inaequaliter quinquentato; corolla tubulosa coccinea glabra, intus imo pubescente; staminibus inclusis, filamentis gracilibus, imo incrassatis et tomentosis; bacca rubra ovata, calyce aucto lateraliter fissis inclusa. — *Chaenesthes fuchsioides* Miers. — Wlprs. Repert. VI. 618. no. 1. — *Lycium fuchsioides* H. B. Kth. — Crescit in valle Lloae, Cuenca Novae Granadae et in Loxa regni Ecuadorensis.
4. J. UMBROSUM Miers 1. c. 346. — Arbor sesquiorgyalis: ramulis angulatis hirsuto-pubescentibus; foliis oblongis acuminatis glaberrimis, floralibus ovato-rhomboideis; floribus umbellato-fasciculatis; pedicellis elongatis; calyce pilosulo subcampanulato, dentibus

- quinque, inaequalibus obtusiusculis; corolla tubulosa pilosa, coccinea?, calyce sextuplo longiore, limbo brevi subcampanulato, margine ciliato, dentibus quinque et alteris in sinibus *Ura* obsolete; staminibus inclusis, filamentis filiformibus glabris, imo incrassatis fere tomentososis. — *Chaenactis umbrosa* Miers. — Wlprs. Reperit. VI. 618. no. 2. — *Lycium umbrosum* II. U. Kth. — Crescit in Columbia.
5. f. GESNERIOIDES Miers 1. c. 346. — Ramulis cano-tomentosis; foliis ovatis oblongisve acutis, superne demum fere glabris, infra pulverulentis; floribus umbellato-fasciculatis; calyce quinquedentato; corolla tubulosa aurantiaca, limbo subbrevis campanulato, sinuato-quinquefolio, angulis acutis; filamentis imo tomentososis, antheris subsessilibus. — *Claytonia gesnerioides* Miers. — Wlprs. Reperit. VI. 618. no. 3. — *Lycium gesnerioides* II. U. Kth. — Crescit in Peruvia.
- H. J. LOXKNSK Miers 1. c. 347. — *Chaenactis Loxensis* Miers. — Wlprs. Reperit. VI. (ill), no. 4. — *Lycium Loxense* II. B. Kth. — Crescit in Loxa, regni Kcuadorensis provincia.
7. *I. ONNIFOLIUM Miers 1. c. 347. — *Chaenactis cornifolia* Miers. — Wlprs. Reperit. VI. lily. no. 5. — *Lycium cornifolium* II. B. Kth. — Crescit in Quito.
8. J. LANCKOLATUM Miers 1. c. 315. — Fruticosum: ramulis subferrugineo-floccosis; foliis lanceolatis vel oblongis, vix acuminatis, supra parce pubescentibus, infra pallidioribus lloco-toinentosis, jicliolo canaliculato lacinioso; floribus plurimis umbellato-fasciculatis; calyce lobuloso subindurato, dentibus quinque, inaequalibus obtusiusculis; corolla tubulosa llovescente, calyce quadruplo longiore, limbo brevissimo (quinquedentato). — *Claytonia imicvoluta* Miers. — Van Houtte, Flore des serres IV. tab. 309. — Wlprs. Reperit. VI. OJ. no. 4 a* Anual. I. 530. no. 1. — Crescit in Ecuador, (Juindiu et in Columbia.

387A. CXEOCHROITIA Miers.

(Miers, in Hook. Lond. Journ. of bot. VII. 349.)

Calyx lobulosus, medio ventricosus, ore subconstrictus, inaequaliter 5-riculatus, reliculatus persistens et saepius augescens. Corolla tubulosa, tubo medio subdilatato, calyce duplo, rarius 6-tuplo longiore, limbo conspicuo campanulato quinquedentato, lobis acutis, aestivatione plicatis. Stamina quinque, inclusa, filamenta dilatata tenuia glabra, corollae tubo imo adnata, infra medium libera; antherae oblongae biloculares, loculis parallelis, connectivo dorsali adnatis, basi paulo cordatis, in sinu affixis, longitudinaliter dehiscentibus. Ovarium obovatum biloculare, ovulis plurimis in dissepimento incrassato utrinque affixis. Stylus filiformis, apice incrassatus. Stigma capitato-bilobum. Bacca magna ovata, calyce indurato inclusa bilocularis. Semina numerosa, reniformi-rhomboides, in pulpa copiosa nidulante, testa scrobiculata, hilo in sinu laterali perforato. Embryo, intra albumen carnosum fere semiannularis filiformis, cotyledonibus semiteretibus, radícula incurvata infera, ab hilo declinante duplo 3-loba breviflora. — Suffrutices Kcuadorenses: folia alterna petiolata; flores speciosi purpurascens subumbellati, pedicellis elongatis unifloris.

1. CL. MACROCALYX Miers 1. c. 350. — Foliis rhomboideo-ovatis; utrinque molliter pubescentibus, subtus pallidis; floribus umbellato-fasciculatis; calyce tubo magno ventricosus quinquedentatus, dentibus inaequalibus; corolla magna speciosa, tubo calyce 2—3-plo longiore, corolla violacea; staminibus inclusis, filamentis dilatatis glabris, **nervo**

- longitudinaliter striatis, imo margine ciliatis. — *Jochroma macrocalyx* Hook. — Wiprs. Repert. VI. 630. no. 4. — Crescit In Quito in valle Lloae altit. 9,500 ped.
2. CL. CALYCINA Miers 1. c. — Ramulis angulatis verrucosis, pallide floccoso-pulverulentis; foliis deflexis oblongo-lanceolatis, minute ruguloso-punctatis, asperis et Juncano-pulverulentis, infero flavidis et araneoso-pulverulentis, petiolo valido, canaliculato, imo crassiusculo; floribus fasciculato-congestis; calyce magno, medio inflato, demum augescente, hinc fissis; corolla tubulosa cyanea floccoso-pubescente, limbo expanso quinquepartito; genitalibus inclusis; filamentis dilatis tenuibus, nervo centrali notatis glabris, imo margine ciliatis, — *Jochroma calycinum* Benth. — Wiprs. Repert. VI. 629. no. 2. — Crescit in Columbia.
3. GL. GRANDIFLORA Miers 1. c. 351. — Fruticosa: ramulis angulato-compressis striatis, junioribus floccoso-tomentosis; foliis late ovalis, basi rotundatis, ad petiolum tenuem breviter et abrupte attenuatis, apice acuminatis, supra pulverulento-tomentosis, subtus pallidioribus et molliter pubescentibus, pinnatis, nervis divaricatis; floribus apice ramulorum fasciculatis pendulis; pedunculis elongatis cylindricis bi-ovatis demum ampliato molliter pubescentibus; corollae infundibuliformis tubo longo pubescente; fauce subcampanulata, limbo quinquelobo, lobis amplis triangularibus; staminibus imo ortis, fere inclusis, filamentis omnino glaberrimis. — *Jochroma grandiflorum* Denth. — Wiprs. Repert. VI. 630. no. 3. — Crescit in Andibus Peruvianis, regno Ecuadorensi interterminis.

"f Genus incertae sedis.

DESFORTIAHA Rz. *Sf Pav.*

(Wiprs. Report. III. 125.)

1. D. CHILENSIS Gay, Historia de Chile (Dot.) V. pag. 100. f — Caulibus ut in 7). spinosa; foliis cuneato-oblongis, apicem spinosis, minoribus, dentibus 3—8; pedunculis 1—3 in apice ramulorum, unifloris; calycis dentibus angustioribus; corollae tubo angustiore, multo longiore subcurvato. — Crescit in Chile.

+ Ioon addenda.

- D. SPINOSA Rz. *ft Pav.* — Wiprs. 1. c. no. 1. — Remy in Gay'l. c. 99. f tab. 56.

Ordo CLIX. SCROPHULARIACEAE *Lindl.*

(Unth. in DC. Prodr. X. 186. ft 589. — Wlprs. Repert. VI. 633. & 745, Annal. I. 532. — *Sirophulannae* R. Hi". — Wlprs. Repert. III. 1*27 — 456. ft 931 — 940, Synops. gener, pag. 957 - 973.)

Subordo 1. *SJiE<PIGM*O8SinjEJLM!* **Birth, in DC. Prodr. X. 188.**

Tribus I. *SALPIGLOSSEAE* **Bntli. in DC. 1. c. 190.**

III. SCHWEEfttiTKIA *Linn.*

(Bmli. in DC. Prodr. X. 192. a 589.)

1. 'SCIIW GUIANENSIS *Biitli. in DC. 1. c. 195. no. 11. — Miqu. Slirp. Suiinm. select. 1J-J. f ml) 35.*

IV. liEPTOLOSSIS *Hnth.*

(Bnth. in DC. Prodr. X. 196.)

1. • L. SCIIWENKIOIDES *Dnih. in DC. 1. c. no. 1. — Miers, Illustr. of South Am eric. pi. lab. 53.*

V. BROWAIililA *Linn.*

(Bnih. in DC. Prodr. X. 196. ft 590. — Wlprs. Report. III, 236, Annal. I. 532.)

1. HR. TKNELLA *Miers, Ann. of nat. hist. (2. Scr.) V. 205. ft III. S. Am. pi. lab. 54. — Herbacca humilis, pnrco puberula: foliis membranaceis lanceolatis vel ellipticis, in poiolum clongaium cuncatis; floribus paucis solitariis axillaribus; caljcis membranacei denubus lanceolatis obtusis inaoqualibus; corollae tubo gracili, calyce 4-plo longiore, lunbo brevi piano sinuato - quinquangulato, lobis brevissimis emarginatis rolundatis, •iiiiico majori; ovario apico piloso. — Habitat in Brusiliao provincia Rio de Janeiro.*
2. BU. NERVOSA *Miers 1. c. 206. — Foliis ellipticis acutis, in petiolum longiusculum canaliculatum ottenuatis ciliatis, utrinquo sparsim scabrido-pilosulis penninerviis, nervis subtus prorainulis, floriferis fere bracleiformibus; floribus axillaribus laxe subracemosis; calyce parvulo angustato cylindrico, denlibus acutis erectis ciliatis, nervis 10 violaceis picto glabro; corolla hypocraterimorpha, tubo angusto, calyce duplo longiore, limbo lato piano violaceo, lobis brevibus emarginatis; ovario obovato, apice piloso. — Ecuador.*

t loon addenda.

- 1)R. SPECIOSA *Hook. — Wlprs. Annal. I. 532. no. 1. — Paxton, Magaz. of bot. XVI p. 290. (c. ic.)*

V. STBEPTOSOIIEW *Miers.*

(Miers Ann of nat hist [2 Ser] V 208 ft III of S Am pi tab 55)

Calyx tubulosus 4—5-nervius reticulatus 4—5-dentatus, dentibus maequalibus, persistens. Corolla infundibuliformi-tubulosa subcurvula, limbo campanulato subobliquo, bicvissime quinquelobo, lobis apiculatis aut emarginatis, antico paulo latiore, ubi toisione mox iesupinata, aestivatione rephcativa Stamina 4 didynama inclusa, valde maequalia, duo mfenoiia (in alabastro antica) ex mio tubo orta, 2 supenora brevissima fauci mseita, filamenta tuetia recta pilosa, moxglabra, antherae bilobae subdechnatae, lobis ovatis, imo late divancatis, margine dehiscentibus, singulo receptaculo pollinifero globoso mtus inslnicto, supenorum lobo altero minimo casso Ovanum ovatum, disco glanduloso stipilato imo cinctum, apice parce pilosum, demum glabrum, biloculare, placentis carnosis dissepimento adnatis multinulatis Stylus filifoimis, apice incrassatus subincurvus tubulosus et transverse rugoso-crenulatus Stigma valde dilatatum, imo late cordatum bilabiatum, lobis aequalibus obtusis conniventibus, mox hiantibus, in sinu cavernosum Capsula ovata conacea, calyce tecta biloculans bivalvis, valvis bifidis dissepimento hbero parallels Semma plurima *Browalhae* — Sufrutices Fkno-Granadenses et Ecuadorenses stngoso-hispiduh Folia ovata conacea lugosa asp era petiolata* flonfera ad bracteas reducta Flores pedunculati terminates conferti, subcorymbosi Corolla aurantiaca, extus valde pubescens

- 1 STB (BROWALIA Bnth in DC Prodi X 197 — Van Houlllo, Floro dos sorres V tab 436 — Pixton Magaz of bot XVI p 6 c ic) JAMBSONU Mieis I 1 c c 209 — Fusco- et bcabrido-Ins puluh foliis ovatib utiinqo ocutis subcomeccio bullaio-rugosis, subtus nervis valde prominulis, ulrmqsc scabndis, longiusculo pctiolaus coryinbo ampliore, calycis dentibus 4 subacqualibus aculis oreucus fusco-MIuhbus tubo cylindnco angustaio, medio contracio concolou, corollae auraniiacae tubo infundibuliforrai ampliore extus molliter tomentoso, limbi carapanulati lobis fere aequalibus brevissimis mucronulatis — Ecuador

VI. BRUHTFEIiSIA *Swrtz.*(Bnth in DC Prodr X 198 ft 590 — Wjprs iRepert VI. 633 ft 7[^], Annal I 532 [Repert III 236])

- 1 BR VIOLAGCA Lodd Bot Gab tab 792 — (Bnth in DC Prodr X 201 absq diagn)
² Miers, Ann of nat hist (2 Ser) V 248 ft III of S Am pi tab 56 — Subglabra fobis lanceolato-ellipticis, utrmquo acuminaus subundulatis, supra glabiis, minute punctato - rugosis, subtus pallide glaucis ot pube glanduloso-pruinosa vestitis, apice utrinque, costa nervisque subtus prominulis rubro - violaceis, Qonbus subsolnriis, corollae limbo magno undulato-enspatto flavo, tubo ochroleuco, calyce 12—16-ies longiord — Habitat in insulis Canbaeis

VIII SATPICHiOSSIS *Bz. y Pav.*

(Bnth in DC Prodr X 201 a 591 — Wlprs Repert III 233)

- 1 S SPINESCENS CJos in Gay, Histona de Chile V 127 f— Suffi uticosa, 2—3-photome et intrjcato-ramosa ramulis spinesceniibus, folfls caulims poucis lmeaxibus sessili-

DU*, coioflu lubo inguste elongato — Crescii m rci publicae Chilensis provincis Coquimbo fl. Gopiapo

- 2 S PURPUREA Micrs, Trnv If 531 a Ann of mt hist (2 Sci) V 31 — Viscoso-pubtsuns folns ladicibus confers ellipiico-oblongis, apico oblusiuscuhs, imo in jicuolurn rlongaium cuncalis imigine *grosso* et obtuse denttis crassjs, cauljms into-bnonbus linceolali* obiusis petiolo ibbicvnto fl Jilibus line mbus sesailibus biactei-loimibus coiolh lubo puiputio, limbo viuhcco itlicul aim pitii

vm P tffio/iMi/iina diali coioll• itticuliluu nigio- pictd limbo profundo pui-puico — II ihiaai in Andibus Chilensibus

Villa P T K R O O I i O § § 1 § Mien

(NIOIS, Ann of nat lust [3 Sei] V 32)

Calyx tubulosub subcylindncus bieviter qumquedentatus 10-nervius, d< ntibus acuLis Coiolla infundibuhformis, tubo imo coarctato, hinc ventncoso 15-stnato, limbo e\panso inaequahter quinquelobo, subbilabiato, lobis omnibus < maif.inatis_f suptnon longion et lalion, aestivatione iociprocatj\ a Slanjina quatuoi didynama jnclusa, postica longiora, lildintnla dilatita, jpn c angustala Anlhrac o\atac bilobae, imo divantatao api(< sm< (ouneclivo *m* siuu apiuijxac, nma margmali dehiscen-tes Ovdium disco cunobO sul)bilol)O imposilum, stipitatum biloculare, placentis CLilialjbus dj^scpiniento adnatis uulliovilalis Stylus apjee dilatalus jnilexus Sli,ina bialaliin cinaignalum, supcnie cannatum, infia planum, f,landula viscosa in sum notatum, aJis lalis niembianaceis, in dl^luin lon_n^t dtemicnlibus, radiatim noivosis, maigine sublanceiatis, slamiibus mfuioiibus ampleclentibus. (apsula calyce persistente tecta bilocnlans bivahis, valvis somibilidis, placenta centiali demum solutis. Seinirid ignoLa — IManta Chiltnsis subglabia. radice lignosa perenni; (aulibus pluiimis ascendentibus gracilibus laxis, divancatim lamosis; folns altemis, inferioiibus sinuato-pinnatifidis, peduncuhs axillanbus, paniculam laxam ellormantibus.

- 1 IT LAXA Micrb 1 c 33 tt III S Am pi lab 52 — Subglabra ramosissiraa ramis pluiunis teiclibus giacilibus, laxe dnaucUis, nodis distanlibus, foliis axillanbus, infciiioibus oblongit sinuato-pinnatifulis, in petiolum spathulatis, sub lenic minulissime pubescentibus, modus hnennbus, supiemis fionfcib inbiactcas parvas decrescentibus, pedunculis solitauis vi^coso-pubescentibus umflons, flonbus parvulis, corolla stranunca, lintis violaccis picla — In Cluli ad Coquimbo

(X SCHIZASTTHUS Rz. £ Pav.

(Jntli in DC Prodr X 202 — Wlprs Ropert III 232 & 93b)

- 1 SCH GRAGILIS Coss in Cay, Ilistonn do Chile (Dot) Y pug 153 f — Prostratus? diffusus flaccidus lu^piduhis vd subglabmius vmdis folus pmnaUpaititis aut pmnati-ldo - den{atis, corollac tubo incluso, labn suponons lacima media oblongo - oyata emarginato - biloba laierahbusque quadniulis, lobis anguste Uneanbus longiusculis, [△] labn inferoris lacima media cucullata biDda — Sch pmnalus p. giacihs Bnth. in DC-[^] 1 c 202 — Ciescu in Chile.

Subordo **II.** *AjStinitMINinEJLE* Bnth. in
DC. 1. c. 803.

Tnbus II. *CALCEOLAMEAE* Bnth. 1. c. 203.

X CALCEOLARIA *Linn*

(Bnth in DC Prodr \ 205 a 591 — Wlprs Rcpert VI 634, Annal 1 532 — [Repert
 NI 151 152 ft 935])

- 1 *G GLUTINOSA* lieu a Rgl Indx som hort Tune 1848 p 4 adn — Annun viscoso-pubescentis, caule ascendente, foliis oppositis petiolatis inflexis vel inpartitis, lobo medio multo majori interdum subulato, lobis ovatis vel ovalo-lanceolatis, duplato-sematis, folis superioribus indivisi serialiter, floribus albis geminis, antherarum loculo unico sterili, sepalis ovatis scissis — Goullia lobo superiori brevissimo, inferiori (rotundato) suborbiculato, Iovili cionale sulphureo, faucibus clausis — Habitat in Guatemala
- 2 *C PSLUDOGIADULOSA* flos in Gay, Historia de Chile 1849 V pag 169 no 16. f — Suffruticosus, totus viscido-glandulosus, folium in parte inferiore ramorum floralium congestis amplexicaulis hincolatis acuminatis, angulo dentatis verrucosis, floralibus cordato-lanceolatis acuminatis subconnatis, corymbo multifloro, corollae rai-nutae candidissimae in basi superiore calycem vix excedente, inferiore longiore inflato orbiculato, basi vix contracto, breviter aperto — *C glandulosa* Benth (ex p) — Crescit in Chile
- 3 *C MIMULOIDES* Clos in Gay 1 c p 174 no 22 — Caule abbreviato ascendente vel erecto subglabro, paucis pubescentibus, apice viscoso, foliis erectis, in nervis ovato-subspathulatis et in petiolum angustatis, superioribus et floralibus laevibus sessilibus, omnibus obtusiusculis, obsolete crenato-dentatis aut subintegris, praesertim subtus brevissime puberulis, laminae (lateralibus 2 erectis, apice corimboso-4—8-floris, pedicellis longiusculis eicctis, corollae glabrae labio superiore minime, inferiore patente amplo, basi contracto, ad medium aperto — Crescit in Chile
- 4 *C BRLVISTYLA* Clos in Gay I c 175 f — Caule herbaceo, infra medium subrobusto ei folio sessileto glabro, foliis inferioribus petiolatis, aliis sessilibus, lanceolatis ovato-lanceolatis, utrinque attenuatis subacutis denticulatis inaequaliter crectis et sneplicatis pulverulentis-puberulis, corymbo terminali multifloro subdenso, pedicellis gracillimis, corollae lobis connatis, superiore calyce minime brevioris, inferiore multo majore incurvo-erecto obovato, basi vix contracto, breviter aperto, stylo subnullo — Crescit in Chile
- 5 *GUTTILICAUMS* Clos in Gay 1 c p 181 — Caulibus 1—2 erectis elongatis gracilibus, omnino nudis, foliis omnibus radicalibus ovatis, petiolatis seu in petiolum brevem angustatis, obsolete denticulatis, subtus vel utrinque luscidulis subciliatis, corimbis terminalibus simplicibus geminatis paucifloris, corollae puberulae labio superiore calyce brevioris brevioris, inferiore majore obovato erecto, basi vix contracto, breviter aperto — Chile.

t Icones athenitae*

- ^c ALBA R. ft Pav. — Bnth in DC 1 c 219. no 83. — Paxt. ft Lmdl Flow gard I 190. fig 120
- ^c CUNEIFORMS R. ft Pav — Bnth in DC 1 c 214 no 55 — Paxt ft Lmdl. Flow. gard I. 172. fig 109
- ^c « PAVONII Bnth 1 c 211 no 36 — Hook Bot Magaz tab 4525

Tubus III VERBASCEAE Bnth. in DC. 1. c. 224

XI VERBASCUM I inn

(Bnth in DC Prodi X 591 — VVipis Ripcit \I 634, Annal I 53^ — [Wlpis Repeil III 127 439 L 934])

§ 1 Thapsui Bnlk. 1 c 227.

1 V PII MATOPHOHUM C Koch, Lmniea KXII 721 f — Stride crectmn simpheissi-
iiiiin, hni (OK 11 sii umnca tlci ci sibili \csiitum folia infem in pctiolum brevem
IUtnuii < i (hi i > upia satpi hna coocia delcrsa nuda, ideoque nigrcanua, caulina
scsiln omni i oblong i ciecia intern, biauca ovato-ucuminalac fasciculum aequan-
tes spitJ laniu uno iltrove abbcwito inslruen, infent laxa superne dcnsa, flores
scsil< s tut lirtvipctliccllati glonurati, biacicolac ci cilycib Iacinnc ovaio-lanceolatae,
iilinunii duo tflcln i inaiori, tin lam \iohcca vclua, omma anlions remformibus
piaedili — AfQnc \ umwuL fiuss — Crescit

S 2 Iyrhmhb Bnth. 1 c 230.

I \ \LITGI \UM (Koch finnicn XXII 721 f — Ciulis single crecius simplex,
supino lomenio ^nsoo pulvoitultulo vosiilus, folia infciion oblonga crenata, in pe-
liolum crectum illcnuita superior! ovuo -1 niccolaia dentaia, basi subcordata, bre-
vissunr pctiohta, ramos fulciantia ovato- longc acummata, omma supra pilis singulis
stellaiis prostritis asprula subtus gusco-puboscentio, pamcula oblonga, ramis bre-
vibus lacmosis) floics 1—3, bractea linean longiori aut subacquantc fulcrati, pedi-
cello calyctm nquanti msidentos caljcis nrajusculi lacimae oblongao inaequales,
duaq anticae mxirmo, postica miuimn, omnes gnseo-lomontosae, corolla majuscula
inplo brevioics, fllamonta bicvia subacqualia, lana coacla densa vestita, anlhens
omnibus renifoimibus — Cicscil in monlibus **Ponticus**

3 V WIMIEMSIAMJM C Koch 1 cit 724 f— Caulis stnctc croctus simplex, pilis stel-
latis pubesqens icrcs, folia oblonga eicctd, dupliciior crenaia, ad basin altenuatam
dentaia, infcnori pciiohla, supioma scsilia paivuh, nccmus tomentosus, floribus
iasculatis, infcinc 1—3 distantionbus superne sub-5 magis approximatis, bractcae
linciics pedicellis longib colytem mijusculum plus duplo superantibus dimidio mi-
norcs, caljcis laciniac oblongac aculiuscuhc inaequales, 3 angusliores et bieviores,
tubo brevissimo quaduplo longioies, llaincna omma lana violacea vestua, anlhens
remformibus — Crescii in Grusin

4 V OnrOPNIUM C Koch 1 cit 726 f — Caulis ereclus ramosus angulaius, angulis
sacpc alatis, inferne tenuissime, superne densissime pubescens, folia caulina ovato-
oblonga acula sossilia aut brevissime peliolata, simpliciter ct magis distanter crenata,
supri aspciu, subtus pallide puberula, pamcula racemosa, flores solitani, pedicelli
bractcam ovalo - acuminatam aut lanceolatam et calycem aequanics patulo - erecti,
ctlvx ad basin quinqucpaititus, lacinn late ellipticis subacqualibus, capsula ovato*
retusa tiicntc parto brevior, fllamenta lana violacea dense vestita, quintum **sterile**
minus — Crescit in Asia minore in distr Arlanud&h

5 V MACROPIVLLUM L Koch I c 728 f — ^{Caulis} Pul>erulus elatus polyphyllus;
folia mfera maxima, sacpc sesquipedalia cordato - oblonga, reliqua **ovata acuta**,
omnm supra globernna, subtus ad neivos pubescentia duphcato-crenata, **breviter**

pciolaia (supremis exceptis); paniculi glabra, ex parte inferiori loliosa; flores parvuli, fasciculati out superne solitarii, pedicello calyce paululum breviori insidentes; bracteo et calycis laciniis linearibus; lana filamentosiorum alba. — Affine *V. nyvo* L. — Crescit in Banniu.

- ti. V. OXYCARPUM C. Koch I. c. 729. f — Caulis loricatus simplex, lana coacta deersibili vossitibus idcoquo proscilim ad partem superiorem glabriusculus; folia in parte oblonga, petiolo parte breviori insidentia, reliqua ovata-oblonga aut ovata-acula sessilibus, omnia lana coacta in pagina ad coelum spectante circa, ad terram contra alba vesilia, integerrima; spica laxa tenuis, lana vulgo detersa glabriuscula; flores bini, terni aut quaterni, inferiores pedicello eulyem vix acquanto instructi, superiores sessiles, omnes parvi; calycis laciniis lanceolatis, lana denique detersa glabriuscula, trinerviis, tubo campanulato duplo longiores; capsula cylindrico-oblonga; styli rudimento apiculata, lana detersa denique glabra, calycem irriter parte superans. — Crescit
7. V. SPHENANDROIDES C. Koch I. c. 731. f - Mullicaule: caules erecti simpliciusculi, vix sesquipedales, lana alba deersibili minus vesili; folia oblonga denudata aut incognita villosa, subula pallidiora, supra rugulosa, inferiora peliolata, superiora sessilia; racemi aphylli; bractea linearibus; flores fasciculati, rarius solitarii; pedunculi, pedicels out ascendentes, bractea et calyce duplo longiores; calycis laciniis linearibus - oblongis, capsula oblonga breviores; corollae parvae luteae, limbo concavo: filamenta duo majora minus, tria minora dense lana violacea vestita; capsula ovata apiculata villosa. — Habitat in Asia minore in districtu Sber.
- y. V. TERNACHA Hochst. mss. in A. Richard, Tent. flor. Abyss. II. 106. f — Caulis basi suffrutescens bipedalis recto floccoso - flavescens; foliis inferioribus elliptico - oblongis subaculis, basi sensim ac sensim in petiolum sat longum desinentibus, margine obsolete serratis, utrinque floccoso - lanatis; racemo terminali simplici stricto, o glomerulis 3 — 4-floris subsessilibus valde lomentosis distinctis constituto; calycis corolla triplo brevioris 5-nervis laciniis lanceolatis angustis acutis serratis-lanatis; corolla intense lutea, externe lanata, pilis rarioribus stellatis; nectaris reniformibus; capsula ovoides apiculata, calyce duplo superante praesertim in parte superiore stellato-lanata. — *V. Jernacha* Hochst. mss. — A cl. *Denham* haec species inter synonyma *V. phlumoidis* L. enumeratur (Benth. in DC. Prodr. X. 227.) — Habitat in Abyssinia prov. TchelikoiP.

+ Species non satis nota.

- 9 V. GLANDULOSUM Delile, Ind. sem. hort. Monsp. 1819. p. 7. f — Foliis lomentosis, parce crenulatis ovatis, radicalibus in petiolum angustatis, superioribus semi-amplexantibus; caule apice paniculato, ramis floriferis gracilibus piloso - glandulosis, pilis humore quasi oleoso chartam maculantibus; filamentis staminum tenuibus, crocibus inaequalibus albido-lanatis; capsulis parkin coriaceis. — In parte juvenali habitat.

t f species hybrida.

- V. PILOSUM Doell, Flora (B. Z.) XXXII. 466. - *V. thapsiformi-blattaria*.

f + f Icon Addenu**

- V. VIRGATUM With. - Benth. in DC. I. c. 229. no. 17. - Wgh. Icon. pi. Ind. or. IV. tab. 1404. 1406.

MILCKIJSIA IUIU

(Iull, MI IM 1'ioih \ 24* U VII YMpr< Illicit \l bih u III 117 ft 4< j

>• 1 *Animus* Itiilh

i \ I IMS A li< Inul, Teni II Ali\ss II IK) , — fault mcio Iamosissimo, basi MillnUPsi i nto nlludo-llof coso , fnlns < lulinu pdioluis ovlilnis, ipicc suhicuiis, basi <oidiis, mugim dnpliciio- d(in iio - cromtis , uiinqur el pra<scr̄tim sublus nlbiclo- loiw nlotis iloc*osi>, Dincl< is coidnti^ (lr>ntiitis, (nljcc prdunculisque linto-glaridulosis, c/ipsiilis ^lobos/s i|>i ulaiis ploln!>» rilyum iluplo supciinlibu? — Croscil in monlosis regni (IIOI Ab \ ^SIII I¹

z (AltM S(LLA. \ Midi I \ p 110 -) — Tiulex dtinosus iignosui lamosissimus (iul< IOIK nloso-Mouoso, foldi piivnlis obo\ ilibus ohlulis, basi nn^nstUis subscssili- hiis, iingine (ibliisc denialit, uli iHjm* bnUs p< iJnnuilis icells iigulis pcisislenlibu^, s̄un̄n̄s npHP spinrs((niiltus pun_n^onliluis, (IUUS kacJmi^> angusinds, npire vix acutis, m̄u, m̄c rjlnnduloso - d< nniis , cipMilit o\oidco-oblongis mulis billdis — Ilalulol in ^bys̄n̄ IC I<o^'>0 CIO 1

(. S(KOPILLAHAIA i 01 IA Ilorbst ms., in A Hicb 1 c png 112 f — faule crecto li(il)icn) |iii(f IniUllu, fullis p(iiohti<; (s) ili-oblon_n^is apicc siibobinsis, liasi truncnlis <lu>lic ilo-duil iio-j icnati-, utini(iii< subliiK His Il.iccidis, bmcicis scssilibus bnsi late (onliis it muni illis mac iji iliu r < ill His JLIHHCUIIS In KU IS acquanlibus subhirlcl- lis (lunbus in minis, t<i|\us facimis obo\ ill - hnc col ihs viv acutis hnlcllis sub- ^lamhilosis — HabiMI in Iocis liumidis fn_n^i(lis in Litcic borcali monlis Tnbc i Abjssimuc

† (VAN UIVNAI FOWA A Rich ire! I t p li'Z + — Clobin caulo cicclo 2—3-podah obscuic qiudinngulnu plabio subghuco, folus infcuoibus amplis peuolatis inonuplf* pincifliis, Licimis oblongis IniifcoKiiis imoqualilci mciso - dentaiis, basi lala msertis, \ilde marquilibus, paivulis cum lulus mulio longionbus nlioinanlibus, iciminah ma- IOIO sirpp mciso cl iinoqliici lolmo, bnctcis basi ptofunde cordatis, apicc longo i(uminalis icmissiinis innoqualiici denliis, pedunrulic enlyccque glandulosis; sopalis lanccohiis nculis obsolete dtnliao - pl uidulosis , (oiolla lutca, cnpsula ovoidco-glo- liosa, calvinn vix supcianic — llabint in Abjssimac piovmcin Ti^rcncsi prope M<nisi

§ 2 *Kcf/ha* Unlli

† (AUILLAC Koch, LinnacaXXII 731 f — Folia caulina infenora oblonga, acuta crenu- lata in pctiolum olaium attenuaii, sujtra asperula, subtus aurco-pubescentm, supe- nor a scssilia nunora, caulis ascendens ipsequo proslrams, superno in pamculam ra- ccosam divisus, Icviter angulaius, infoine asperulus, supcrnc praecipuo ad racomos lomono am co pulvorulento vosinus, rncim lazmsouli, laro raino uno altero/o prac- diti, pedicelli asrendenics solitnui, inferi biacicam ovalo-lanccolaiaim acqunnles, rcli- qui us cl calycis Licinns loiundaiis nui laic oblongis ncuiiusculis inacqualilms aurco- lomontosis duplo longioics, roiolla rxplamia calyce paeno mplo major, filamenta duo pnululuin majora, omma Inna densa violarca veslila , anlhens remformibus, cap- sula ovoto-oblonga, cnljcc liiente p̄rto longioi — Grcscit in Armenia,

† C AGRIMONIAEFOLIA C Koch 1 c 732 f — Crccia, basi hirlo - pubescens simplex folia infcia jnienupio pinnati, p̄inn^ sub-8, mojonbus subaliernis oblongis serrati* scssilibus mmoribus bat̄i Inta adnotis, supremis conlluenlibus, suponora oblonga

scutata glaberrima (, iaccinus supc *li is/ t.mjosu* gluhtitum** biaciLuo o\aiac longc acurnin it.ic, pedunculo plus <luplo bicvioic&, launiae Ciilyci* oblongo-lanceolalac, autliciac icni/ónms* — *Itlaltaua Annum ayuuwmaefuha* Oundclbh lú — Cicscil (in

L. bUWAUOYWWV < lvodi I c 7JJ i — blucle ciccia simplex rubens, pubc canos ttntl \tblila (uh i i adit ilia oblon^a, giossc ct aigulu ^oiiala in pcliulum longioiem el ttlniuu iilenutla oulina oblongo-ianceolali niinoia scs^ilia paiula necmus clon n,alii> incidum basi ramosus glandulosus> pcdittlli paitnlib6imi aul bonzonlnes biacitani o\alo - hnceolatam inicgriunam pliib cluplu, calytis lacunas tlliplicas plus quQdmplo supciantes, lilnnicuta majoia pane triente bupitma nuda, infera nunub media migib niinoia dcnsisbiinc lana violate» ve&uia, unlhciac ienifoime^ — Cicscil id Ai lien

1 Icon addenda.

C IOI(OM4M)LI,IANA Aolil — (Until I c ^46 no 11) - Wghi Icon plonl lucl 01 l\ lab 1406

Tnbus IV UEMIMEIUDEAE BnLi in DC. 1 t 248

VII AST«£liOSriA // . S Bonpl.

(Hnlli in DC l>iodi X lot — Wlpis Annal I 56i — Wlpis llepeil III 17s tt ^50 — *lyluiantha* Ncos fit Man — Wlprs llopeit III 178)

1 'A ANcJUSHFULIA Dntli in DC 1 c 251 no 19. — Lindl Jouin of the boilie soc III ^43 c it *xylog*:

\X1 IVKĪTĪĒSĪĀ \tUt.

(Bnib m DC Piodi X 2W — Wlpu llupcil III 1&1)

| N NATALITIA Sondci , Lmnaca XXIU *bi f* — Olabia lamis ad^cuudetiti - ~~et~~ *ccis*, apico nudis, foliis infenoribus pcliolali* o\ uo-lantcolalis quinquonerviis, supcuoibus subsessilibus lanceolalis innciviis, ouuiibus aigule scifalls, laccino abbeviato pubescente, coiollao laciini^ supcuoibus oblongs oblusis, labio iifcnoic aequilon^is, cal caie adscendonlu labium infcuus acquanlo, palalo glabio, capsulu apicc liuncala inu lica — Poil Naial

Tnbus V ANTIRRJIINEAE Chav — Bnlh in DC 1 L 265

Will. IilZKTARIA *Jim.*

(Bntb m DC Piodi X 2bb a 591 — iChavanncs III Wlpis Kepeil HI 1^ tt 450 J — Wlpis Ropcit VI 637, Annal I 533)

1 L (*Linuastium*) SYbPIRLNSIS C Kocli, Linnaoa XXII 717 f — Pluucaulis glabci rima, suiculis sclenlibus nonnullis in&uucia folia Jincoua, ad polliccm longa, plci unique breMOia acua enema, spjca laxa, lloios bicvissirae podicellaii biacieao c basi bvwa lanceolatac, lacimib ovato - larwoolaiis \u bij)\ioies, coiolla lla\â, calcarc cui-vatulo, lubum acqnanU insiuuua, «iyu« apicc chnaut* ~ Crescit in Asiac ~~minoris~~ dislnclu Sbc

- ^ I Dslioltot III NMs (Koch I c 7ib f — Glabuuma uulii Jecumbens pioslmlus nut .isctiulens, ramis pi imams enulifonnibus cicciis out ascendutibus ramosis, race in i laxi demque domain, lloics pedicHlati, pedicello caljte vix longion, folia hnca-jit soiniticicua, infoi 10la laiiioia, margmo con\olulo , biactno pedicello bicviores line 11 os, huniac calycmne oblongao, capsula subdidjma bre\jores, MX marginalac, calcTi lubo coiollino c\ lonufludino nequalc, toiolla nlbi am dilute cociulca, sljlus ipuc chvnius, semmo discoidtn muginnta, di->co luberculalo — Crescit in Asiatic minons inontibus Titlioik
- J h TCXANA Sebtelp, LinndPi XXI 761 + — 1 iccla herbacea glabia surculi numc-meiosi bieves s>ieiiil*»s, folus icinaiim vcilicilhli* infcuoribus obovntis bieMONbus, supcuoribus hnccohio-oblpngi* longionbus obsm, caulis crecius sesqiiipcdnli* simplex icics glabernmus, folia caulina icmotn sessiha linenna vel lincan - lanceolate penni-iKivia mitn'tmina plana glabra obtiio, inllmi ternatim \trticillaia, reliqua dlleina, incemus icimihilis simplex, lloiiifu tonfuiu^, fiuctifci tlongatus spicifoimis mtei-iiiptus, lions ilti mi prdnt lhti puipurco - \iohccii, pedicelli giociles basi binclcali, taljccm sii|iinntc HOIL bicMoics, CI>MIQ dujilo longioies, bnetcne lineau-lanceo-] ia< oliiusiuttul i<, podicello nuilio bicvioits, tal\ci<> quinquopailili ghbn lacimao ohlongo -1 uici ol Mac acuiic, in ii^iuc niLnibiamcf ic capsuldin aequmlcs, corollac mbo bicMoits, <oiolh m ijiistuli c.iljcc inplo longioi , cum calcare 5—7lineas longa, uiltir giatilo flun^niuin subulaium ucualum, corolla paulo longius, cnpsula globosa duitihus 8—10 v ilviforimbus npicc deluscens, sijlo longior, Mlyi apico mcrasbati piib siigmalosa bicvis&imo emarginnta obliqua, semma numcrosa obo\oidon immargi-mtn tn^om tiunenla tubcituhu — Afflnis *L Canadensis* Durn — Ciestit in Toxudo intci Uoiision et Austin

i SectloniH dublae.

- 1 L VUIOMCOIDrb A Rich Tent Floi Abyss II 114 f — Annuu parvula Uaccida caule ciccto parco lamoso spitbamaco luiiello, folus oppositis sat longo pcliolal^ ovalibus subaculis, basi cuncalis, margmo giosso dentatis, mcmbioiaccfs tenuibus, aublus in norvis lurlollis, floubus omnium spocicrum mimmis axillaubus longo pc-dunculaiis, pedunculo unilloio giacih, foln lere acquante, calycis 5-parlili lacmiis inacquilibus oblongls, supremalongiore, coiolla calcarala, cakuc comco dependn(c>, coiolkim icquanic, capsula comprebsa suborbiculan, apicc emargmaln, valvis 4 latis, basi coaluis dLbiscunto, scmmilius ovoidcis reuculaio - venobis — Habitat in Abyssimao locis opacis et umbiosis circa Adoua

t f loon addenda.

- J HAMOSISSIMA Wall — (Until in DC I c 270 no M) — Wghi Illu*U. ofInd bol II lab 165

XXV. ANTIRRHISTIJ]!! Linn

(Until in I)(Tiodt \ 270 a 592 — Wlpi-, Rcpct III 221 451 a 935)

- 1 \ {nlmhtnast)im) GLAUCUM Stocks inst> in Wgbt Icon pi Ind oi IV tab 1459 (nec I inn necTboic)— lladite pcicniu, caulibu^ oscndentibus puberulis, .folus succulentib cllipiicis \cl ovatis intcpiis>, pleiuique in petiolum atlonualis , npico sub-mucronaiK, utrinque pubciulis, flonbus i\illanbus pedunculalis, podunculis dimidium petiolum ap(fuantibu&, demum defleMs, ralycis scgmenlis valde inaequalibus, supenōri laliou, coiolla ccalcauaa, capsula oblique globosa quam calyx gi ossiffcaius breviorc, fl' u' q' iniorig^Hiisrenic pohspoimo posicnoic minou compicso 3—4 - spsi mo,

sominibus obcomcis ulnque truncatis longitudinaliter quinquangulanbu*, angulis hansverse sulcalis — Habant in India onentli (Scinde)

i A ?) PTEROSPRMUM A Richard, Tent fl Abjss II 115 + - Caulo a bnsi iam*o icicli glabro glauco, folns aliemis ovali - oblongis subobtusis, maigine inlegns, crosiusculis glaucis, bast scnsmi in petiolum Ionium allcnualis, pedunculis axillanbus umflons giacilibus nudis, cahcis 5-pajliti lacinn* oblongis subinacqualibus, tipsuln globosa tenui pisiformi, irregulariter bivalvi, scroimbus oblongis alis sacpius sc\ longitudinalibus noiatis — Crescit in Abyssmie regione aicnana Cboho dicta

J A CORNUTUM Bnth PI Hortw 328 no 1888 — Annuuin' eieclum piloso-hispidum viscosum folus oblongis lanceolate c, floralibus (lores exccdentibus i acemo secundo foliato, floiibus breM^sjmc pedicellatis, caljcis segineniis lincnn-lunccolatis acuiis inaequahbus, coiolla brevionbus, capsulis stjlo induralo icxisistenle oblique cornulis — Caulis duius, a basi lamosus, sQimpehahs — pedalis, annuus (?), ramis feio a basi floiffeus Flores omnes in axillis folioium solilam et us bicviot'cs, quam in *A glundu-1080* minoies Capsulac cnlyctm aequanics, stylo ptisibtenlo capsulac ipsao acqulongo Scimna obovoidea echinnio - rugosa — (rcscit in Califoiniac valle Sacii inento)

Tnbus VI *CIELONEAE* Bntli. in DC. 1 c 298

XXXV. SCROPHULARIA Linn.

(Itnlh in DC Prodr X 302 ft 592 — Wlprs Report VI 638, Anml I 533 — [Wlpi» Hcpert III 164 474 a 935])

I bCR (*Scorodoma*) C^MIGERAC Kotli, Linnaca XXII 70? f — Ciulis inraosus glabcriDius, angule alnU6 full a tordao - oblonga out lantcolala, glabcinmi crenatn suprcDia stuulau, peiolo plus duplo brevion alaio mstiucula, pnmculae caulii* et lamorum lincau-lanceol.ila, tjmae tei diciotomac glandulosac, bractcao Imean-oblongao dentatae, pedunculo conimum alalo acqulongic, floics ctiam in dicholomia pedicellali, caljcis laciniae rolundatae, angule margmatae, tapsula duplo breviorcs, lacunae corollae duae supenoics crectac, caclens tnbus icflexis paululutn inajores, appendicula late remfoimis — Crescit oirca Hrussam

<*i* SCR GRAISDIFOLIA C Koch 1 c + — Caulis glabernmus eieclus simplex obtusangulus; folia ovata acuta, leviter cordata, 3 poll longa, 2 poll lata, petiolo semipolhcan insidcnlia glabernma, argute dentata, pamcula puberula ipsaque glandulosa hnearib laxiibculla, cymao quinquclorae, bractea rainiraa linoarl sulTultae, flonbus omnibus longo pedicellalis, calycis parvi corolla plus duplo brovions lacimao lotundatae omaiffinotae, appendicula rotundata, capsula punnidata, diamctio longitudinal! majou, glabernma — Crescit in Banatv

J SCft UCMSCHIMCA C Koch I c 708 f — Puboiulaaul glabusecula caulis aculangulu* slncle erectus, simplex aul lamosus, folia o\ato-oblongi, basi saepe subcordnta dendaia, denlibus oblique inanguloribus aul rotundatis, cuspido brovi insruclis isomorpliis pamcula oblongo-Imean laxiuscula glandulosa aphylla, cjmao bracteis lmeairbus suffillar 4—7-florae, flonbus omnibus longe pedicellatis, calycis laciniae rufo-marginatae rotundatao,"a corolla duplo superatae, appendicula iransveiso oblonga, mioiduin omaigmata, capsula glabornma ovala acuta — Crescit in montibus Pontius

¹ SCR (*TomwphyUum*) SCIOPHILA M Wilk Botan "Zcit VIII p 77 f ^ Hcibacea folns membranaceis lyrato-pinnatisectis, fcegmoiiis cuneato - oblongis inciso-creualodematis, dentibus mucionalis, ibjrso oblonpo mnis pauciflons, mfciiionbus sub-

trichotomis, jn dicellii calyce Juplo \11 luplo longioi iWu-s, laumii < dycini:> lali. «uli rotundis stiiiO&U- mai,iiidli», cuioldl UIIWP dujilo lon^iDic, H.IIHL.I sluili oibiculau "b>ih u\aiio-duimiiuLi io>>liata — In Ii^paniao piovnciu dia-naienbi hainiai

WXM COL.L.11VSIV \u(t

IH I>iudi \ J17 ii J'li — Wlpra Kt]>til III 231 & 935)

{ { iLM/FOHIA HaiLv\ mis in Lnlli plant llnt\|e_n UH no lfeSV — CduIc_nliilJio clalu lulus iiii<lonliit ptliulili^* o\,ills ublon^'iim , iipcuoiibub sotilibus Mibtunlalu - lan- i (M)lali<> son.ilo - cicualih, supi i glabii's, sublus pubescenlibus , lloi.ilibus pn\ib mllo- nsi cmi i<ui t,ljniluloso-jul)>>scenlibus, vci licilla^lms tnulilloii^>, pe<licelli<> talyce bic\i- <ai ibiii, laljtii glaiulufojjo-M lu'si 1 itiuib LiiucoKuo-oblongis, coi olli subliiplo brevior- nlm>> — l'MIIC id VIIKMIH >|IM i<i i |iol)iiiiii)li IU (btLolaiis Kdmondi UilFune Ui- iim n \uli tin Coim*. su|M iUIilius <l- I -jmllicjulnit ,ioisu dtinLili<>, \cilicillabliii densit, iuili(lusi o - ,J indulu'sJ, c iljti^* liiumi^* irtj^Us*, corolla lldvescuti pmptuuo - rnacu- /m — (itbui in Ciilliloi mac motilibui Sauan. nlo

WWIII PKJVT^TfiJIIOIV Unit,

Hulii in 1)(, l'iodi \ JO U 593 — Wlpis Hupcil M >>9 a?40, Annul I 534 [W]pns Kc[.eit III 241 & (J3i j)

sect 1 LIUAMULIA Unlli. L u

{ r i.^A^A^IUI^ llouk Hoi Maja/ tab 4^01 j — \aii lloutit, I loic de acnesVI 157 n|, -SSI _ MUM. Ann de In SOL ridgui de Gaud V 3J5 lab 27fi — Uotu> glffu- (tstciili - vindis folus iile^i 11 inns , infet iui ilius oblongo - spalluilalii >ctiolalis> de- niiaialis, caulinis betsilibus coidal - ovalis icnuiler neuminalis, lloralibus inlei loiibus I ile coidalis auiminalissnnis , poduntulis ixillanbus pscudo - \crlcillati^> mululloris, s|ticain foliosam iniorrupiam spectabilein foinaulibus, sepals anguslii Idiicolalo-hubu- lilis, coiollac pnleboruinac n/urcio lubo puipuiuo biipcinc amplialo, limbi bilabiali lolny subac(ualibus, Qtuhciis lil.uuentoque slenli luisulib — In Amenca boicali Mlodvy mountains)

sect III. LUPENTSfLMO\ llnlli. I. c. 327.

{ V CO(CIIM LS I ngplm Skull of ilic boi. of Wislit c\pcd 2\ adn - Gldbeciiniub ^ldiicus folus mliiiiis obovali^, caulims mfoi lonbus oblongo - lincanbus, supeionbus liicaiibus minulis, inccmo lavo, pedicelli^ opposuis clonyati^ bibiaccalis unilloris, caljcis> glandulohi segmctiis ovalis, coiollac lubo supcinc dilalalo, limbo bilabialo, labio Mipoiioio ad medium bilobo, anlbens divaucali>., lilamculo slcnh glabro, apice dilalalo , capsula atuminaia — Habitat in Mexico boicali.

{ V (JLAUCOPHYLLUS Sebeole, Linnaca XXI 703 f — Caulis boibaccus creclus lores siiii)Icx glabeinmus laevis., folia radicalia .. f, caulina opposita remoia cordalo - amplexicaulia oblongo - \cl o\alo - lanceolaia unincivia venosa, ar^ule donliculala ob- lusa, uirmqio glabia glauca, supia sanguiiico - niaculala, pimcula slucla interrupta glabeciinia pcduuruli cicrii paucillou, lloics circeli, caljcis scgmenla c basi oblonga abiupio laiucolalo - allcnuala oblusn, inaigne anguslc membidiiacea, apice palcnlia vel ipflexa, corolla tubulosa bilabiala, sujtcuic dilalala, labiup supcuus bifldum, infeciis subacquans, filaraenta fertiba glabia, anibciac oculis di&linclis divaucalis a basi ad apiccm debiscentes lurlac, stamen sicule supia medium sctosum, apicein versus sen- Min paulispei incassaiuin, stylus glaber inflexus stamina dequans, stigma capilalum, 'aj.sula 9 - Cresutm 'Illinois

i P LOINTIIROMUS School© I c 764 f — Oauhs Iierhaccus thins crecius tciciusculu^ glahcmmus laevis simplex, Coin < tulina nmpla toidaio - amplexitaulia oblongo - Ian teolula glabia venosa, maigino nbsololr donliculata, apice angusinta, pamculac slnctac angusl unc inteiruplnc ghndnloso - pubciilao, peduntuli necli cjmae pedunculauu dtasa< muliiflorac, Hoitt> nutaiiLcs, <n\cis scgmenti o\nlo - hnccolata neuta, coiolh tacmlca basi viresrens bilabiatn, lubus superno campanuhtus, lahium supciius biddum hliio inlmon lufido paulo bicvius filamcnla feililn glabia, nnlhciae glabrao mclusar loculi>> disiinctis divanciiis, a basi ad npiccm dcliiscnics, iilmrnnum stenle longilu-dinalilci baibalutn, capsula ' — Habitat in Amciica boicali

Sect. V. *SACCANTHIERA* BnLli. 1. c. 329.

> P AUREUS Dmh PI Haih\ 327 no 1879 — Glabemmus glaucus foliis oppositis, infcrionbus pctiolatis oblongis, supcnoiibus sessihbussubtoidalo - lancoolatis, omnibus acuiis iniegrmuj^^iacniiisMigatis, peduncuh* oppositis bractcalis uniflons, filamento sleuli ^ljlyo — Aflms V *hclciophyllo*, diffcil glaucdino, folns multo lalionbus, <a-l)cibus toillisque majonbus — Crescit in annibus exsiccatis vallis California^ Sacramento

t Ioone§ Jiddendae.

V CONDIFOLIUS nmb (in DC 1 c 32) no 46) — Hook Dot Magaz tab 4497 — liindl Journ of Uio home soc V 88 c ic xylogi. — Van Houltc, Floic dc serres VI 105 tab. 568

P IANCEOLATUS Bnib in DC 1 c 324 no 21 — Moncn, Ann dc la soc dagnc dc Gand IV 13 tab 173

P O\ATUS Dougl — Bnlh in DC 1 c c 32S no 43 — Morien I c IV 293 tab 210

Tribus VII. *ESCOBEDIEAE* Bnth. in DC. 1. c. 336.

LL ALIECTRA *Thnbrg.*

(Dnth in DC Prodr. X. 338. ft 594)

- 1 *A. ABYSSINICA A. Rich. Tent flor. Abyss II. 118 — *Bartsta* (*Glossostyhs* Hochst mss) *Abyssmica* Jlobbst — Dnth. in DC Prodr X. 545 no. 3.
- 2 A. (o) PARASITICA A Richard, Tent. fl. Abyssinic II. 117 — Caulc recto simphciusculo subangulato hn tello; folns minimis oppositis sessilibus oblongis obtusiusculis dentatis aspens, spica tciminali elongata, calyce campanulas inaequaliler 5-fldo, capsula globosa obtusa, calyccm ruplum superante. — *Glossostyhs paiasiltca* Hochst mss. — Habitat in arboium umbra vallis flmii Tacazze Abjssiniaio.
- 3 A PETITIANA A Rich l,c p 118 — Perennis caule ba9i suffrutescente ramoso tcreti hn tello scabro, folns oppositis sessilibus ovah - oblongis subocutis aut ovali-lanccolatis, basi obtusissnnis crenalis, utnnque hirtello - aspens, flonbus axillanbus pedunculatis solilams aut binis, calyco campanulato - tubuloso , nd medium 5 - fi<lo, pubente, lacinus ovah - oblongis obtusiuscuhs, corollae tubo brevi, calyccm ncqunnio, limbo obliquo campanulalo ampliato quinquelobo, lobia obtusis, anihciis, hirsutis, capsula ovoideo-conoidca, calyce tnplu longiore villosn — Habitat m Abyssimao provincia Ouodgerato

tribus VIII *GRATIOLEAE* Bnlh in DC i. c 340

UL. liKUCOPIIYIiIiUIII *Uumb. Donpl*

(Unth in DC Piodi V 314 — Wlpis Repoit HI 376)

- 1 I (AMPANULMUM MICIS, Ann of nat hist (2 Scr) V 254 — Rimis subsluicis i unulis ibbievntis approximais, folns ovito - oibiculaiibus crassis uliinque donsisunc lomcniosis adulti* incanib jnmoiibiis conferlissimis ferrugincis, floubus axilla- uluis ul(o irectis, folium suppnntibus, calycis lacinus citssis lanccohtis, npicc oblii siusculii, corolla piiccrdenlibus dimidio inajoro glibra inlus simplicitci huld, ovnrn »i« sijlique biii donio | ilosis — In Mexico

LXV *LYPEBIA* hnth

(Unlh in DC Piodi X 357 & 594 — Wlprs Report UI 314)

- 1 I DIAM)II\ I Mry Iloit flegimont somimf 1848 p 5 adn f — Herbacca folns phluis mfuioribus oppo&ids oblongis in pctiolum altenuais, inacqualitci dentatis *iifcnoibiis floi ilibus juc^ssilibus snbinltgcinmis Jlonbin hxc spious diaadris, (orollnc gibbere inius Inibato — In Pioniomono bonne spci

LXVI I?IIIIViIUS *Linn*

(Bnth in DC Prodr X 368 fr 594 - Wlprs Report III 274 a 938)

S 1. *Erect* Bnlh

- I M A^LJSTIFOLIUS Hochst mss in A Uich Tent Hoi Abyssin II 119 — Caulc a basi lamoso, i amis eiecus sosquipcdalibus obtuse quadrangulanbus glabns, folns oppositis sessilibus ba&i subauriculalo*sa, itiaais lanccolatis aculis obsolete ct distantei dtnticulilil glabns, floubus axillanbus solitarns longc podunculatis ebractealis, calyce tubuloso acut< quinquefido quinquencivio, corolla ringente bilabiata ciliala, calycem duplo super into, capsuh ovoidco-oblongt, stylo apiculatn ghbra — Habitat in Abvs- sinne piludibus disiiictus Dahaia in provincia Sand
- t M DKOLOR Hmtw mss cv Dntb PI Ilartw 328 no 1892 — Ereclus a basi ramosu> viscoso-pubescens lolus lincan-oblongis romoto sorratis, basi longo anguslatis sub- trincivus, pedunculis folio plensque longionbus, calycis oblongi dentibus bievibus subaequalibus, coiolla. calyce plus duplo longiore — Herba annua semipedalis ramo- sibsinn Folia pollicana vel paulo longiora, quam m afflmbus multo angustiora (raro plus qmm 2 lin lata) umnervia vel subtrinervia Cahçs 4 lin longi Corolla mag- mtudine *M moschati*, labio supenorc luboque luteis labio infetiore albo — Crescit ad nvulos in montibus Californiao Sacramento
- 3 M TRICOLOR Haitv mss ex Lindl Journ of the hort soc IV 222 adn — Annuus ciecius pubescens loins oblongo - lanceolatis subdentatis vix maequalibus, flonbus bubsessilibus, calyce angustissimo plicato, dentibus maequalibus, corollae tubo gracili exserto in limbum obliquum subacqualiter quinquefidum rolundatum dilatato — Ha- bitat in California

§ 2 *Speciosi Bntli.*

- 4 M BRIDGrSH Clos in Gay llistonn tic (hile*(Roi) V 141 f — Glaber caulibus simplicibus debilibus proslralis el ad nodos ladicantibus, foils sessilibus seu bicviter pctiolatis o\dtis acutiusculis eroso - dentati? subintcgusvc, pedunculis folio plus duplo longioribus, calycis dentibus aequilibus acuus, coiolla caljce luplo longioie, limbo dilatato acquali, slylo calyce bicvioic
 a \tolomfoimis caule elongato, **loins** valde remolis, breviler scu longiuscule pouolitis, acute ct croso-denials
 j\$. fn/C(Mo/ius caule brevioic folus appiovnalis sesiilibus et subconnatis subnicgus — 3/ *iHmtfloius* (J liiuUjcsn Unlh in DC 1 c 371 — Cicscit in Chile

f **Icon addenda.**

- M LUTFUS Linn — Bnth in DC 1 c 370 no 10 — Clos in Gaj, **Hist** de Chile (Hot) V 140 nb 57

LXIV **JUJLZUS** *Lour.*

(Onth in DC Prodi X 375 & 594 — Wlpis Repcit HI 272 & 452)

- 1 M VAISDH LIODI S H-mce, Diagn pi nov Austr Chin inedit **118** - Glanduloso-pubescens caulibus brevibus basi follows, superne subaplnllis, folus opposoms obovalis giosse repindo-scnatis, basi in peioluin alalum lamina brevioiem vel earn adaoquanlem (uneilo-uienmtu>, potiohs connalis, mecmis tciminalibus, rhachi Ueuxosa, flotibus subbccundis pleiumque subiemuiis pedicellalis, pedicellis caljce subbrevionibus, npice incre^s illis basi biacioi inmuia stlacea auclc, caljcis lohacei campanulati lacinnis ovalo - tinn^ulatis, lubuni atquoniibuM, sinubus ghndula obsolete puipurca auctis, corolla calyce vu duplo longioto, labio supeuorc cnmginalo, infeuore multo nnjorc, lobis lalcialibus lalionbus smmnihus omnibus (orlilibu^, llamenlis exappendiculaiis, anilici is dlbis sub labio coiollac Mipcuoie intci so cohacientibus, loculis coniguis divancatis, slylo apice cochUailfoi nu imcgio, cipsula oblongo - bubglobosa lalraliiei compressiuscula — Herba susqui—tiipollicaris> Folia leie omma radicalia, peliolo incluso 6—10 lineas longa Cahces 2—4 lin lougi, fructiferi vix ainpliati Corolla lilacma labio inferiore mullo pallidioie palato maculis auiantiacis pilisque albis capitais conspeiso Floret a Junto ad Seplembrcm — In msula Chinensi Hongkong

f **Icon addenda.**

- M SURCULOSUS Don — Dnlh in DC I c 375 no 1 — Wght Icon p) Ind or IV lab 1407

† *Genus indesci iptum*LXXI^a **MITRANTHUS** *Hochsl.*

(Hochst FJoia [it Z] XXVII p. 103)

- 1 M LATIFOLIUS Hochsl I c — Plantuh annua caule giacih orecto simplici aul vit ramoso 1—4 uncias alio quadrangular!, dnguli* scabiulis, folus Oppositis brevissime petiolatis suboibiculaubus oblusis, basi subcinaigmaio-coidatis denticulais, in ambilu

mmsquo sclirruis noiibus a\illdiibus soliiniib porfunculads, caljee camp-inuhlo
 quinqw fl lu 1 tennis icnlis in medio unincivns cipsuh obloiu » q ic<* lunge ~~alte-~~
 nuh (l\ (IM-SI imcitglibii siif,initr p<isislenlc ciljpinfonni — ~~Vibranthus~~
~~tnfl nts~~ lludi^l nits o\ \ HK1> lent Ilii Ali\^s II UO — Habildl in ~~Abyssinae~~
 nil JIUJ vallis fluvn 1 icj/ze piopp lihUaliIn Kuinc

L\\ §TKUODI% I inn

(Until in DC I'IOIJ \ 3K) Be W — Wljm Repot III 2Gb a 938)

- 1 SJ (*Ihamusu*) sIIUWMI NSIS Miqu I innaoi Wlf i?i f — 1 i O(n ^lihia fblns
~~sessilibus~~ l mi col ill< Mirninis ui_niisiitis supcini icmutc snbdcln ill* juiioiibus nn-
~~nutissim~~ cihul Hi¹* IIJIIHI-) n\ill nilms jiodicell Uis boliliuui scpilis bncciiibis cilio-
~~lru~~s (O)lh ill) i < ilyci dii] lo IJII_oIQIP aniboiaium loculis oblon_nia \i\ sUpitails.
~~styo~~ siij)Cinc Jililaio — Citsdl piupe plantu Jj^dlubl in buumni

f Icon addenda.

- i>T VIs(OSAllvb JIntli in *UL* I t 381 no 3 — Wght Icon plant Ind or IV
 tih 1108

LWV JTIORGWIA // ///

(Bnlli in Df Pindi X *fa*) - Wlpi ILpcit HI 27S ii 452)

- 1 W FI OIURUND* Hrili in MJKIKII hnmil of tiopic il Ausli iln p 384 adn f — Dense
 glandulosi iicUnmi f,l\bn i inu*> stiidis d< ns< f)liosi6, lolni line iibus* niissnic
 d< nt tiis, p<dicelli-> |lfiisqii(geinui>> folio Iloi ill multo brevionbus — Ciesut in Au-
 ssi tin oiicntali tiopica

LWVII IliIU]yOPHITi% h b)

(Until in DC Piudi \ J86 Jt 39^ - Wlpi^ l\cpert III 272)

- 1 I HYPIKKIIom limb in DC 1 c JH6 no I — WJu Ulusii phni Ind or IV
 lib liOIJ

LXWI IIKRPKSTJKS *utm*

_m (Hnth in DC l>iodi X 392 a 593 - Wlpiis Ucjictt VI 043 [a III 278])

- 1 II (*HIIM HL&U* \) POLYADINA Miqu I innaca XXII 474 f— Licet i ugida ghbra tola
 tldndulosi supcine ramosa tiule i imisque lftnt,onis, fulns semi - implexicdulibus
 hnetohto lineuthus unmnMi^ pair dimidn infcioio ingustala linenn integemnm,
 stipeuoM htioic scniti, (loiibus ixilluibus solmuis oppo^ili^ brevisiino pcduella-
 IH supremis in nmulis nltimis MII foln-) floi ilhus* ibbieviaiis sublciaslicbe nbn-
 ^>us, bi ICKOIS 2 ininulH Inu minis sul liynlims coiulhe hbio supenoic cmargmato
 — Nonnullie numeiosi genciis species buic nfines sunl // *unbntala* Bnili folns lan-
 ceolaiu npice i inluni snratis fkubus sessilibus, *il st^xhjUra* Bnth corolla cahcis
 so^mpruum posiicum vix fxutl'iite cjii^quf labio portico bre\itei nntum tmargmato,
 lobm stigmis obtusis // *atllani* Until cuclc pjloso II *umjitlnla* Bnlh ciule sca-
 bio dilTtint — ficsdi m Surnnm in sivain buiuiil i pi ope planial licilyn

LXXXa AHJISOCĀI/ITX *llance.*(llance, Diojn plant nov Au^{ti} Chin im (lit II 7)

Cal>\ usque ad basin 5-partilus inaequalis, ncmpe lacuna poshej el una t\ anhus acqualibus maxinns OAalo-Uun^{il}alis, tits icliquas emit cintlicsifi pi orMIS ib^coudenlibus, allcia jnhca conloin)i paulo lrnun duabusque jnlcinib anⁱiishbbiinⁱ lanceolalo-subulalis Coiollae deuduae luiundibuliloiiii-campanulalac lubus bie\is, hinbus subacqua- lilci 5-pailius, lacinns oblou^bis, duabus posljcis dmbusque laticialibus magis approximates, anlica aliens vi\ piouclioie, subiecuivis, fame nuda, laciniib 2 poslicis acstnalione cxeiionbus. Stamina 4 did>nama, omnia iulilia, ilamcnlis viv tubum ccedenlibus, anllieus biloculanbus oblouj, is pmpurcis, iocnlis contiguus paiallelis SI^{lut}> apice parum deflexus, stignate simplici capitalo, ciucialim sulcato. Capsula cornea biloculanbus polysperma — ilerba Au^{lio}-Chinensis hyⁱobia cauJibus icpcrili-decunibcnlibus, uudique radicanibus **loins** oppositis, (loiatione cenlpela Sectioni *Dtamiue* genuis polymoipln *Jletpeslitis* pioxime et forle **minis** aftinis

- 1 A LIMNAMIIIFLOHUS 1 c 8 — Glabcrnmus cahejbus folusque glnduli[^] impressis adbpicibis Joins opposing cnssiusculi[^] obo[^]nlo - Ijncuibus unincivu[^] scs[^]jlibus **bn&i** cunnalis flonbus nxillaiibus peduncultilis sohiauis in caljic bibineolalis pedunculis calyce tnplo longioubut, foln a<ldC(uinlibub, bitcttolib lmean - SCLICOIS, cotolla calyto duplo longioit lubo mius. lutto, faute innulo incompltto siluiaic toseo notaia Innbo ulbido — llabilu *Hunanlhtram sessilem* quodnmmodo lefcit Foln 6—8 linens long) Cilw 3 lin IOH[^]USJ stsquilinecam htu[^] — Habitit in msula Hongkong ad niaingincs uvuloium

LX\MI ART O E M 1 D *Don*

(lnth in DC Piodr X 408 — Wlpis Reptit III Z%)

- 1 *A SI SAMOinrs Bnth in DC I c no 3 — Wght Icon plant Iml onental IV tab 1410

L\\I\ TOHE]Vn *Linn*

(Bnth in DC Piodi X 409 — Wlprs Hepert M 613 8c 716 — [Wlprs Reperi III

- 1 *T AHRAfAM NSIS" (quo ouctoic") — Pnxlon, Maga/ of bet \V p 197 c ic
 2 '1 ASIATICV Unlh in D(1 c 410 no ^h) — WIi-> n«pcit VI 613 — Paxlon 1 en
 3 ' T CONCOLOH Lindl — Wlpr[^] 1 c no 1 — Pivlon 1 c
 4 *1 LDEMULA Bntli in DL I t no 5 — Wlpis 1 c — Paxton 1 c

XCIII JBOJVIVAYA *Lnh. y Olio*

(Bnth in DC Prodi X 420 ft 595 — Wlprs Iloperit III 288)

- 1 *« VLRB[^]ALIOLIA Spi - Bmh in DC 1 c 421 no 4 — Wght Icon p] Ind or IV nb 14U
 -2 'U \LUOinIC At FOLIA J>pr — Buili m DC 1 c no 3 —Wght I t lab 1411

Subordo 111. IUKIXAJWMEinMHAK Bnth.
i. c. 423.

Tnhus IX *SWTUOIWIKAE* Ruth I. c. 424 a 595.

CV. CAPRABIA Linn.

(Until in DC Piodr \ 429 — Wlprs Repoit III 2fi3)

- 1 (INNI OLRUMA Miqu , Linnaca WII ttb + — Pubciula glabn MOIS asporula Jo-
ins peliulalis oblungu-lanuolatis vel lanceulntis intcgemmis, supi \ glabiiusuihs, sub-
tus in ncms pubrsu'itibus tacteruinqtic ad lenlem suhpapillosis, floiibus axillai ibus
breviter pulunml uis solilnuis vtl gcinuns, tnycc coioll.iquc liuli^, sianiinibiib qua-
tuor — U.ibiuii in Sin nun)

Tubus X. BIDDLKJEA E ||n||. in J)C 1 c 432.

CXIU. WUXIA Lam.

(Bnih in I)(Pioili \ 43) it 595 — Wlprs licperl III 331 ex [>)

- 1 N LMAHGOA IA Sumki, Linnenc XXIII NJ f — Haiins i.»inu!is(jiic .ingnl tiis» |>ubc-
rulis, ruins lei ins oboval.s vil obo\alu-ol)longis oblusib cniiii giinui<>, in peliulnm brt-
vissinum tngustaiis, junioibns iitnnqnc pubctcnlibus, ailulli<> n'labii«. conacois, cjma
Icimmali inultiflora hradent.i, ciljtilnib lubnlosis jiubo^ceniilMis, Jiitns SCIKCIS, CO-
rollno lainus oblongis J< utiusculib, ^lamimbus shloquc (>\SLIII>). — In Piomontoioi
bonne spci (Alb.inj) .
- 2 N I'UULSCJ NS SOIHIOI I c HI f — Ranns, fohu,, podunculis cnlycibusrjiic pubrs-
(oniibus, pilis tins ^l.mdulosib, alns ,K utks snnplitibus mmosis\c, lamulis terms vel
\eiluilhnis Hiihio-iuUnUH fuJv/s, fo/i* pUnnito-ohlongii ov ms\c imiuonulais, hasi
in pciololum In < vein tingnstalis iiiU'^cmn^ subi oimtcis \cnulosis, suptnonbus sub-
glutmusis, uiultis supia ^liibns, panicnlac uimis voiticill ills d|wu» (jinusi-* bincloatis,
tdljtilius lubulosis subgliitinosj<> — In *Viomunlono* bonie spci (Mn_nMli!sbcig)
- 3 N TOMI \ri)SA bumloi I c f — Ilamulis U iclikub, folns ptdunculiii calycibusquo
lomenlosis, pilis lamosis, fuliis p< Liol iib> IMIIS olliplitu-oblongis vel oblongis obtusis
vel aculinsculis, basi .mgusnlis jnt(.p(minis, |> miculnu mnttilloiac i«inns terms vtiti-
tillatisve, tipuu cvmosis, cahcibus ovoidtis 4-dentalis, inlus sent* is, toiulla VJills
tlausu , Innbi lacinus oblongis acutmseuhs, extus SCIKCH — In PiointoioiIO bona<
spci (Magalisberg).

CXIV TK1IOIVICA Linn.

(Wnlh in DC Piodi X 438 a 'J)6 — Wlpis IUpcit VI (>IT a 71b, Annal I 535 —
[Wlpis Rtpdl HI 333. 4~yi ii 938 J)

- 1 V {*Deccabunya*} VOGLRLNSIS Ilochsi mss in Atb Ricbaid, Tent floi Abjss II 126
— Annuu ca^p n bnsi itiinoso s)jiihainaco, lainis ciccds am deimssis tin Us, folns

- petiolalis ovali-oblongis, apice subobtusis, basi obtusis, margine inciso - crenatis seu obtuse serratis, ulmi-juncus pilis iaris conspersis, lacinis aequalibus: scissilibus, uti folia opposita, tongioibus: puullosis, clypeis lioimis oblongis anjunctis acui, linMIII^ Uliulit, capsula compK ssa piolundr obcoidi, versus paitoin siipuoioi MH pilosa — Habitat ad Mulos Abyssinian, in vallis piufundis icgonis iiontanau Wogtia
- 4 V {*Citamauliy*s) PLTiriVNA Ath Richard I tit p 127 f — ItamI!> 11 • g. Ilifo nubus piocumbentibus, p.utiin bifarjani pilosis, Coins petiolalis o\alibus uul oviili-subinluidis, apice subaculis, basi obtusis, inaigne smalis, ulimque pills coiiNpnsis, latemix axillaibus solilains> pedunculate paucillons (olio longiobus, lonbus pedice Hulls, bractea lineari acula, caljctis lacinis spuiliulalu - oblongis angustis ciliatib, pill* conspersis, coiollac lalao lauuns iuacqualibu!> obtUbibMinis — Habitat in locis bumulib ct ad upas muloium Abjss>iniae in regione inontana Ouodgiate
- 3 V {*Chamatdiys*) LONGISTYLA John Ball, Dot /oilrig VIII 726 a Annal of nat lust (i Ser) V. 47 f — Caule bicvis&imo repenlo tacspilo&o fliloinu folus infertioibus miniims, superioiibus subiosulatis, omnibus* obovalo-spalhulalis acutiustulis glandu- cule crenato-senalls, pedunculo scapifoimi ascenduute, \i\ pollicuu, supii in pedicellos 2 — 4 eieelos, bractfi^ lineanbus ct caj^sulis 3 — 4-plo longiores diviso, corolla parva, Illamenlis stjloque bic\ion, capsula matuia laic obcoidala, piofunde emoiginnta, caljcem &c:>quilon,a, shlo bicMOii, scimmbus lenlifoimibus albo - hyalims glidju» — Heiba tola pill* biuvibMims ailicula lib supcine glandulosis adspcisa — Allms V *aphyllac* — Ciescii in nionlibiib Apennmb, in Pagna della Crocc ct in liujuti acumine summo
- 1 V PHOLMCANTUA C Koch, Lmnaea X\H b90 f — Aluliitaulis cnulibu^ pedibus nscndcniibus, ex poite utiuioi glubus, cacticrum undi(uu not Imien distinclu bifu- IMIII pilobit, folia o\ata inciio - srirata, bicvissimu petiolnla, pilis mngulis pio>iaais \sUlii, supiii iccujos oviito-Jancrolnl.), piolundu scnotn, spicao oppositou Jongioi «B, pedunculo |iib(iulo folium iipeiante iuMiuUar>, dennuo laxac, picicelli fuclilcu hon/oilaks, biactca oblonga il calc(quadulido luplo lougioics, toiulla ciucj, caljcc paululum m IUI, L.)»iula ad ba^in >ci^ni allcmnla, ul opiKin ^ubitlusi, MX <ml iniminc cmnginaia gbinibcula dmncio liauhvci^ali luloi, senuna in <uo- quo loculo sub-3, i\ facie infcuoi mai,^inu (itibO olevato concava — Ciescii in Daglicstan
- 5 V bYSPIHLINSIS C Koch I cit 6^8 + ~ *tnuhs* iliffusiib, ex paile piostinlus, ex basi lainobiiibiiuus, ligncaccns, puberulus aul glubuusculus folia oblongi paucisoirala gla- biiusculu, bicviU'i pctiolaln aul subbe^ilia, supia lacomb angustiora, racemi saepe pios>ti iti aut ascurulentes cl denique subscundi pubciuli, caljcih quadnldi lacmae inaeuales cl biactcac unguato oblongac, pedu llo trnui biovioics, coiolla (ul\id<>iur) losca lit \iolacca, calyccin duplo MipMaus, modiciis nec ainpla, capsula colycis longiudinu pubeiula ssubrenifoiniis, i>inu apuilo ex basi lotundala net attcuuaia — Ciescit in Asia uninoic, in dilione bbei
- 6 V LIWAM^NSIS C Koch I cil 698 f — Proslrata lamosa didusa caulis pubeiulus; folia oblonga aul rauus ovala, utiinquo 2 — J-cicnata aut intcgiiiiM ula, in pctiolum broem utlcuata cin&siusculi ^lalMimna, spica longc pedunculala pubeiula, biactcao pedicellis plus duplo minoics pirwu, calyx paivus, linoam allus* gliiburriinus, n <ap- auh ronifonni duplo supciatUM, loculi dispemii — Cres>cil in diliono Liwanch in Abia minoie
- 7 V (*Veinwaslium*) ALBANICA V Koch J cit 701 f — Lrecta iamosa, raiissnnc sim- plex pubescenb annua folia infoia ovota, enctorn oblonga, omnia scriaia, bicviin petiolala, bractcac linean - oblonguc, infcnoics pedicellum paululum, supenou s Mx duplo supoiantes, caljctis lauiuac oblongo - lanceolalao atuliusculac birsulac cl sacpe glandulosae, pci pjna bicuici oennnine, ad basin racenn capsula duplo caelciuun inenie pane longioics, a coiolla ex loii(itudine paululum supciatne, capsula tians- vctisali diaincro bie\ior, biloba biisula, loculis vcnosis ciectis, ideoque cmaignaluia

an_niiiiisMHM sn pc \ix uiibili, stilus tx»uiu&, ±»cimiia toncavi lai \III-»« ula — (H S -
(ii in Ml) inui

s \ (\ moult s) HI 11(LI \ I V C ho. h I imi K i Wll 702 f — IMIII u mils < uilihu. < t
i urns infills | i< Mi illis tiul I«.M nd< iitibus siiiil IK thus (iijliciulib loll i mterili i (i\Jli
M ir ilo - <K m ili iul < M n illi ad I) IMII Mibilo illi nuin anl iclusi, bi< \itii p< Uol u i,
t| iinuiⁱⁱⁱⁱL |ILI1K IUII cult nun s lilmnst ul i |K (linn nil p ill iiii^{simi} folium lloi ile
<H|i|o .llpf iailt« s |H|IMI(I|I| I K IIML (Ii\< If It IIM II I . ubl<JM_n' I(J(IIMISIII U 11131_D'MIG
p11b1 I III M (k I IK j K pjt' Mtsllji H (IpiIII I , I I I I I JM I \U>0 - M cil III II I bllol) I lolis
divugi riissiinis, (*!>«• luevMM >,tjlo <>IIIS lali&iiii iiltilu<!iuc tuionata, scinina plaiu
— Jf ibrt.it in monlfhii[^] <lu> l'oriicis.

| Species Indescripta.

\ MdHIt ANS (Kodi Linn it i Wll b)J _ in AM it niinoiis Uilioni I • Isclikmn

1 1 IOOIIOH aifileiiflae.

V 1OHMOSV R Hi — Until D(I « U>Z MO 15 — Hook Uot M «b i/ Lib 4512 —
I'axl K LIIMII HOW f,iil I UU W_b S>

r\VI OI'RISIA *Commers*

(Until in DC IModi \ 491 — Wlpis Ucpert VI (.is IIII 373 J;

Sect I. *IUOUSIA* Nmpis. — *Ounsia* Potpp. ft Endl. — Bulli 1 c 491.

1 OU HA.(rMOSA Cloi in fny, Hiitoin do Chile (Bot) ^ pag HO — China loins
M^U lonji>>Miii(piiioluiN OMLJ-S o\ Uo - IOI(hill's oil)juilaus\e ij>iLe lolundalis
k10>> cren no-(km His sulnnncisw , i ILI mo «lon[^]iio pcfliuiLiilis pci pana lemolis
l00_n1>>inis cnljds sul)lilabi in I icimis lnnc< ol III> .lcuiis pauo cilj,lli>> corollae in-
tun.K 3iil)()utm-i(lubo dil}ct mplo longnuie, limbo kic\i, sianunibus coiollac
>M|inloijjis, bhlo sntpiusi excscito — (n soil in Chile

Sec 1. II *DKIIhOMA* Poepp It Lndl. — Bulli. 1 c 492.

2 OU (ALIFORiSICA Dnlli Plant II tilw 3^7 no 1«7J — Foliis ad n|>i(fm ihi/oindlis
hi>MS loMilatis peliohtis o\itis obtusis subinli g(iurnib ulialis, ptdicellis nxillnmbus
sc ipifoimibu[^] Liuiflois folio IticMonbu[^], cilj(i& sc_bmenlis ov illis oblongi[^]que cilutis,
coroll K lubo ampio birvioiibus — Ilbi/omn htiquidiculnie Itine Folia cnciloi pol-
bttiu Iun_nM basi ((MIL »la ciassiusculi, &supra bilt> jiaucis con[^]p(i2>a sublus glabra,
pi liolo subiilato Z—J lin lon[^]o, IKISI dilalalo Pi (ICLIII glabu folio paulo brevioirs,
ebncicijj Cnl\v I lin lonqu[^] segnu nto c\lcnorr ciotciib lalioic, omnibus obiusis
beibacois piatltr tilias maiginales glabris (oiolia alba, 9 lin longi, hie lubulosa
subinlundihulilotmis limbo obliquo subbilabiato, I icinns omnibus Inns obiusis paiuru
mic(udfibus iilainciiLt lusi ililataia rihata Stamina inclusa duhnama adjeclio quieto
(in lloie unito ' an consianter ') cactus paulo breviorc, iscd pauier anlhencio —
Cnscii in uligmosis Califounae in momibus bacramenlo

Tnbus \]]J. nrCIUsEHEAE Hnh in iiC] c 495

LXVII. BUCHIVERA Jinn.

(Bnlli in DC Piotli \ 4¹J5 — Wlpis R<pcil III J01 & 432)

1 B MAFRORUTPA Adi HKII 1 < tit lloi Ap\>< II 12S — Aniiin i.iule eierlo, b.isi
siii|iluJ tHUmii pane i unoio liiiltllo siibi>puo, foliu. oppOMti* uluiniM|U(ollip-'
lien - li<tie<'oJ iL> iicutis b I*I M iiMin .iKcdiindi ft quasi petiolads iimginu di&tnter
s< 11 ntis InildJis. aspcusque, s|>itis tlungitii. puicilloiis ilisl inlitlois, biactca linon
t ihccm (ubiilosum hiiMilum 5 - ilcnliUuni sub - 13 - cu^tatuin .IKJU.IIK , coiolla tubo
ffidcili i il\ccm diiplo supu into i ortu .ml subiiicnivu limbi 5 - pni lin lacnujs subm-
•u (Jiiilibiis obiusis , ciptul» ovtudeo - obloni,'n «,il)te ampliilo, iicgulanlu mpto ob-
locla ipicc ohiusa ,labia luculiculo - bi|al\i — Habil.U in Ab\>>biiaae |>iov Clinc, in
plamtic luonlosa

I Icon addenda.

H IIISPIDA Hanult — Dnlb in DC I c 4% no 12 — Wglit Icon plant Inil or IV
lab 1113

(AWJII. STRIGA Loin.

(Bntli in DC Pioili X 500 — Wlpis Repcil III 2M«)

\ STR AHCRAntIA \ Riduid, Tent nor Abyss II 130 f— Ciule ciccto |iomuila-
tiin umoso an^b,ultiio lubciculdo-aspico, folns Inn¹ uibu-s acuiis, supcint lubexulalo-
aspus, neivo mulio inarginibiisquo p i,ina<' nifei jonbus lubciculalo-ununaLis, llonbus
mimmis ^cssilibu^ spicalib, spins gi icilibus dislini Ullons panitul mi clongaiim iamo-
sisbimam (floi nunlibiis*, biacitis liru niibus, (.IISLIS t.imiiianulaii 5 - cosiali dentibus
tiianguliinbus oblongi* ncutis pilosis, toiolla lubulosa nuuala, talycc inplo longiore,
scnMin Hillata biKibiata, labio biipenoie inlcgio ||| infoioie bre\ioic, capsula ovoidca
caljcem .icquanie, sijlo longc apiculala — Habitat ;n Jou» Abysiini.ic beibosis j)iov
Chuc

i Icon addenda.

^STR OKOIUNCHOIDES Unth in DC 1 t 501 no 1 - Wglu Icon plain Ind oi IV
tab 1414

(AXIX BHAHIPHICARPA linth

(Dnlli in DC Piodr X 30J - Wlpis Ropert III 305)

¹ 'MI LONGJrLORA Bnth in DC 1 c 501 no 1 - Wgln Icon pKml Ind orient IV.
lob 1415

Tnljus \IV GERAttDIEiE Bntli in DC 1 c 506

(**AXXH CtJHPYIj%**]tfTIIUS *linth.*

(Until in DC Piodi X JW — Wlpis Ann il I 536 [Wlpis Hcput HI 371])

1 C RAMOSISSJMI S Wfflii Icon pi ml Iml oi IV lib l-ilb — Foliis illemis subspa-
 ilml itit VIIIOSIN, infloK iLtnii i %\ ibi i Millions nun iniHiomlis — I iititculus hmnilis
 i uiiosisMiiiiis I < li i tin rin Mitriiiiiusi obo\iic - spitlinl it i oiiUisi MIIOSItticimi
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I valuluUs Sticks HISS (rue ilioi) — Habita in Indt t ouentill (Hjdpr lbdil,
Scmlc)

CWWL miCHIRGKRliHnth.

(limli m DC Pi oli \ 509)

1 'M Wn.HIH lintli in J)(I i no 1 — WJn lion phnr Ind oncnitl IV
nb H17

(\LI\ **JIVS1'STOM\ Uaj**

(Unlli in bl Piodi \ 5^0 — [(,naulim st(I J PuliculanooiU s Wlpis Report HI 382]
 — W p s IUpul \l b4«»)

1 M) PUIH S(I NS llalli in DC 1 t no 1 — (.Kudia flam Pi*h — Wlprs Reprct
 III W> no (> — l u n Hoi of Ntu \oik II 17 lib I\

Tubus XV ErPUIIASIEAE Bnlh in DC 1. f. 526.

(**LI CafeTIIiltfiJI linn. ///**

(Hnili in DC Prodi \ 528 — Wlpis Htpit \I (51 [|| 393])

1 C INMWSA 1 ngdm Doslon |oinii \ 255 (ft m Df 1 c 530 no 9)
 2 *(I iniOSprilMOIDI S II It knlli — linih in DC I c 530 no 13 — Van Houtte,
 J Ion d(s s(n*> IV lib 371

CLII ORTHOCVRPIS Nutt

(Hnili in DC Piodi \ 534 — [(ktlwimpns I townhifnchui Tin>hywna Wlpr9 Hepeil
 III J92 a JS7 J)

1 0 (*Truphyssaria*) LACI RLS lintb PI llaitu 329 no 1901 + — I iertus duru* ramo-
 sus pubpsconti -luiliis viscidus folns 1—S-nervns i mulio ad npiconv pinntiftl^{ts}
 luctuus long(linoTubus, spills d(nsis non coloratis (in «5K(o fusco - viiftplibus), den-
 tubus calycemis lino IN- lanccoloiis iuiulusculis, coiollao puboiuldt lubo exscro, gnl^{ca}

- acua, labu appendiculis brevibus acutis, anihcris biloculanbus — Valde affinis *O. hthospet moidi*, sed folia magis incisa, spicae minus densae, bracteo fero palmaiim 5—7-partitae in sicco non flauicnntcs, pubcs viscidior Corolla in hoc flava, in illo nlbo-iosa Ab *O. hnpido* facile diffcl corolla multo majoie labio evidentiussacato — f resell in Califormae voile Sacinmento
- 2 0 CAMPhSTRIS Until I c no 1902 — Humilis erectus subramosus, superne pilosus foliis lanccolalo-lineanbus subintegus, cahcis pilosi flentibus linean-lanceolatis, corollac tubo cilyce plus duplo longiore, galea acuta labu appendiculis bievibus ereciis icutis, anihcrarum loculo aliero minmo siipitato casso — Heiba 2—4 - pollicans Pih calycum folioi unique supenoruni longi .ilbi patentcs, ploma caeterum fere glabra (viscidulaf) Caljccs sub**e&s*le*, 4 Im longi, drnlibus tubo suo vix bievionbus Coiollac tubus 8 tin longus, fere glabei — desert in pascuis volhs Califoinea Saciamento
- 3 0 UNCARILOBUS Omh 1 c 330 no 1903 — Stiictus subramosns, ba<i pubescens, apice piloso-hi!>|mhis foliorum latinus pautis elongaiis, spicis confcitis, calycis lacinis linenribus tubo suo multo longioubus corollam subacquaniibus foliisque floralibus 3—7-tldis \nidibus vcl subcoloratis, galea acutiuscula recta, labio levitcr tnsacato, ajipendicibus brevibus acutis — Afflni* *O. knsuto* Folia us *O. hthospermoidis* similion, sed angu^liorn Spicae densac oblongac flonbus intin folioium floialium calycumque lacinias longas anjubtas iccondilib — Cicscit in pascuis montium Califormae Saciamento

CLXIV. EUPHRASII *Linn.*

(DC Prodr X 552 — [Wlprs Reperl III 401 a 939] — Wlprs Annal I 536)

- 1 EU PYGMALA C Koch, Lmnaca XXIF 686 f — Simplicissima, um — bifloia, 6—9 lin alia pubescens folia ovata aut subiolunda, ulnnquo subbidentata, dentibus obtusmsculis, caljccis lacunae oblongo-lanccolatac, corollae tubus longe exsertus, labiuii sponus bilobum, infeuus tnlobum, lacunis patenti-ereclis emarginatis — Crescil in moniibus PonticiM
- 2 1 U MEIANTHACLOS in Gny, Hisiona dc Chile (Dot) V p 147 f — Caule ramoso, i anus sjmplici pubescente, fih< inpnmtis, lacmiis anguste lineaubus spici subinlerupta, ifonbus minutis, calyce campanulas, coiollae tubo atenuato, calyce limboque suo subduplo longiore, limbi lobis emaimalis, stylo slamimbus longioic — Ciescit in Chile

CLXVII. RHISTAHTHUS *Linn.*

(Bnth in DC Prodr X 557 — [*Alectoiolophus* MB — Wlprs Ropert HI 434])

- ⁱ RH STRICTUS C Koch, Lmnaea XXIF 684 f — Villiosus glandulosus, caulis subpedalis sincto ereclus simphciustulus_T folia infcnora ovato-oblonga aut oblonga, supenoia ovata, spica infcine laxa, superne densa, gdlea roslro subulato-rotuso recto, et «upia basin antice uinnque dente aucta — Crescit in moniibus altis Ponticis

CLXX. PE»ICUI^BIS *Linn.*

(Bnth m DC Piodr X 560 — Wlprs Reperl VI 654, Annal I 537 [Wlpris Reperl HI 409 & 939])

- 1 P (*Annon*) CAMPYLOSIPHO C Koch, Lmnaea XXII 682 f — Caulis glabeinmus stnarius paucifolius, folia bipinnatiflda, pinmtlis sen ads, maigine cautilagincis glaber-
111.

nun, ndicaha polioltta, caulinu sessilia, spica dtnsa ovita Qut oblongo - cylmdnca, biucitu ex pint niftiIUII nun o - lanulat, supuion plabiae ueinne caljx ovau iuico - iiii&ulus *buhhil* dmliis, licm/i* denufoimibus, lubub coiollinus e calytc gcicdiuis, duiniuo incuiwis, ^ak i Muhiunui ex ipice cuivata cio&ulus cdonlula, (IIJ-imnla duu iiiiObd, duo glihia

(J *ijlabia* — Cixsui in monlibus Pontius

- 2 P VII LOMIACICA C KTch I c B82 f - (aulis chlus glaliciimns simtus folntus, foln (1 ibn i mi i, supiunit> sessililuis Lxcrpii ptiol in incnnon ex ninbilu ohlonga, piiinatn pinins pectinUo | imm(ili(li>> pinnulis plciuinquif^l imngul »ii-hncfohtis, spica dci^n oblonga, deniititc (lou^riti bnclcio infenoios lolncci< scnalac, mediae ct sii>< 11011 s linpiifs 6io|u tiuuililto oiituu s lloio>> supennus hna ilbi don<is>ima v(sliii< (ilvus ovoii I in Hi denies tiim^uhios, liibns (oiollmus tonkins oxsrtrus cio(liu^LiiIus p irs ivsiin (nlcit longitudinL supnnc htior, I diuin parvmn , fih-iiK ul i uninia pr M tipue •SIJJKIIC ullo^a — Crestit in monlibus Ponlicis

f Iconen addendae*

- V I ANCFOI ATA Michx — Until in DC 1 t 582 no 107 — T O N HOI of New York H 4< t.b 75
P PinnOTTmi Until m DC I c 565 no 3i — Wght Icon plint Ind oriental IV tnh 1418
P /I YLAMCA Dnlh in DC I c 580 no 100 — Wght I c lab 1419

— — — —

Ordo GLX. OROBANCHACEAE *Lundl*

(Heuiei in DC Prodi XI p 1 ft 717 — Annal I 538 [Wlpis Repcit III 4W VI 655 a 746 fonsp gener III 974 fk 975])

S 1 *Oiobanthcae* Wfeh Icon pi Ind. or IV

O\<irrm pluncaipcllaic, placentis panctahbus

I OROBiVcHE *Linn.*

(Reutci in DC Prodi XI 15 & 717 — Wlpis Anuat I 538 — [Wlprs Roperl III 464 VI 655])

- 1 0 AHYSIMCA A Riclnrd, Tent flor Abyss II 137 — G lule eieto pedali nut paulo ciin nltrivp simplici hnsi incnssiio globoio s<[i]aimto luilo squirms o\ili-lanceo-Idiii neutis hulls cilntis, hiiclc i ovali-hnceolal i acutissima, tub um coiolhe apquanti hirtu, sopalis distinctlis, Insi ovnlibil^ bifidis bintrvns, larinns suhinacqualihus hnceo-lilo lineaiihus, cxinne hnsulis till itisquo. coiolln tubulosa subircuata lepidoto-hirsuta bihbiata, hbio suponore bilobo lobfs stmirotunditis, maiginc denuculatis, mfenore brevioie trilobo, lobo mrdio longioie omnibus obtusi<simis denticulalis, stammum (lameniis basi dilaniis cilntis paulo infri terliam corollae paitem inserii^ anthens nj ice bifldis apioulati', ghbus, ovino glabro, stigmqte dilunio - discouloo TblU9e In-

- lobo — Habitat parasmca jn radicibus *Gmzottac olitifcrac*, in diversis Ahjssimao pailibu<
- 2" 0 QUAURiriDA C Koch Lmnaca XXII 665 f— Scapus squamae, bractea et sepala julis fuiluraccis albis duiat ve-ilila, biacttie hnetolalac, corollam \ix supeiantes, sepala connata latiss>ima quadudda, laciniis medus clongaiis, exlciiionbus bicwoijbus denlifornnbus aut obsolttis, lubum coiollinum aiqvanlia, corolli pitula subiccla, supeino ciuvatula lubuloao-campanulata, labium supouus bilobum, Jabio in fen on paululum majus, laciniis omnibus denticulntis, sljlus et stamina supra basin m^cra, ex paitc infcnon villoba — Aflnlis 0 *miyophyllaccac* bin — Liescu in Giu-sia
- 3 0 PSILANDRA C Koch 1 en 668 f— Hava, pilis subpaleaceis et glanduhfeis ve-siio *squamae* lanceolat le obscure pluinerwae, spica laxiuscula, binctcac lanceolatae, deiHus pilosae obscuit innciviac, corollae longiuidine, sepala ox ha si ovala anguste lanceolnla inlegia 1—2-neivia, biacteis paululum inmora, corolla tubulosa, doiso vu curvaia, fauce mngis ampliata, labium suptrius denlioulnlum bilobum erectum, denique lateubus teflexuni, stamina ad tntctm prtem coiollae infenorem adnata, glabcirima aicuata, sulus obsolete glamJulifcr ^— In Banalu
- 4 0 ALPIGLNA C Koch I cit 668 f— Caulis otro-brunneus, squamis 5—6 lanceolalo-clongatis, pilis paleacois cusculis obsitis in^liuctus, infernc minus, superne magi* vilJosus, VIX pedalis, spicn densa brunneo-iubons, biactcac lanccolatae obscure plunnerviae, magis villo cnsulo et paleaceo vestitae, corollam dorso curvatara tubulosam, superne amplialam atquantes, sep<ila lantLOlato-lineaua integia, biatiois dimidio bieviora umnervia, labium supenus erectum inlegium, valde liiegulanioi el argute denlaluin, flamenla basi lanccolata villosa, ad tiientem paitem coiollae infenorem adnata, caeleium glubemnia aicuata, stylus obsolete glandulosus — Ciescit in montibus l'onticib
- 5 0 CONN ATA C Koch I cit 609 + — Scnpus glabicscens sed spioa puberula, S((uamae et biattcae lanccolaiac, bcpala antite connaia, tubo coiollino plus duplo brevioia, laciniis niediis bievioubus tuaugulnribus, exieionbus plicato-caimans cKTngatis, floics cauh adpressi aut paluli, coiold tubulosa pubciula iclmscula, labium supenus apiculatum, ut labium inftnus minus inegulnutoi denticulotum, flamenla alte, paene sub medio coiollae inseita, ad basin villosa, cacteruin glabemma, antherae ad suuiram supenoiem loculorum baibatae*, stylus parco glandulosus — Ciestit in Armenia Rossica

t Species Indesclpta.

- 0 NIGOTIANAE Wght Ulustr of Ind bot II tab 158

f f Ieones addendae.

- 0 FULIGINOSA Rculer in DC 1 c 23 no 30 — Joidan, Observ III 225 f tab 9 flg B 1-17
- 0 LASERIMII SILLRIS Rapm mss ex Router in DC I c 25 no 38 — Joidan, Observ HI 223 tab 9 flg A 1-17

II. CISTAIVCHE *Lnk. y Hfftonsgg.*

Phelipaeae sect II *Cistanche* Lnk ft liffmnsgg Flore Port I 319 tab 63 — Wlprs **Report** m 461 — Reuter in DC Prodr XI pag 11 — Wght Illustr of Ind bot II tab 158b)

- ¹ " C LUTEA Lnk & Hffmnsagg — Wght Icon pi Ind or IV tab 1420 — *Phelipaea lutea* D>f — Wlprs hepetl III 462 no 21 — Rcutor m DC I c 13 no 35 — *ti-Blanche tubulosa* Wght. mss.

III. COHTOPHOLIIS *Wallr.*

(Reuter in DC. Prodr. XI. 14. — Wlprs. Report. III. 464.)

IV. A1VOPLA1VTIITS *End I.*

(Reuter in DC. Prodr. XI. 41. — Wlprs. Report. III. 480.)

§• 2. *Aeginetiae* Wght. 1. c.

Ovarium bicarpellare uniloculare, placentis parietalibus magnis car-
nosis lamellalis v. solidis.

V. A E t f I J V E T I A *Linn.*

(Reuter in DC. Prodr. XI. 43. ft 720. — Wlprs. Report. III. 481.)

1. *AE. PEDUNCULATA Wall. - (Wlprs. 1. c. 481. no. 2. - Reuter in DC. '1. c. no. 2.)
— Wght. Icon, plant. Ind. or. IV. tab. 1421.

VI. OIiaOPHOfcIS *Wght.*

(Wght. Icon, plant. Ind. or. IV. tab. 1422 8t Illustr. of Ind. bot. II. tab. 158 b.)

Flores- hermaphroditi ebracteati. Calyx tubulosus quinquentatus*
Corolla infundibuliformis subringens quinqueloba. Stamina didynarna
inclusa, antheris bilocularibus, (loculo) uno fertili, reliquis sterilibus
subulatis. Ovarium uniloculare, ad basin disco cupuliformi cinctum,
placentae geminae magnae carnosaejere tetum ovarium implentes.undique
ovulis minimis tectae, stylus subclavatus, stigma peltatum. Capsula ___?
Semina....?— Plantae herbaceae parasiticae: caulibus erectis vix ramo-
sis subnudis, squamis paucis sparsis obsitis; pedunculis axillaribus
squama fulcicnti longioribus, ebracleolatis; corolla tubulosa supra ven-
triosa, calycem plus duplo superante; filamentis basin versus incre-
satis, ad basin annulato-pilosis.

1. * 0. TUBULOSA Wght. 1. c. tab. 1422. — Habitat in India orientali (Gourtallum) para-
sitica in radicibus B ambus arum.

§. 3. *Lathraeaceae* Wght.

Ovarium bicarpellare uniloculare, carpellis ad parietes partim co-
haerentibus, marginibus placentiferis liberis.

VII. PHELIPAEi *Tournef.*

(*Phelipaeae* sect. I. *Trionychion* Wllrth. — Reuter in DC. Prodr. XI. 4. fib 717. -1 Wlprs.
Repert. III. 457. — Wght. Illustr. of Ind. bot. II. tab. 158 b.)

1. PH. SYSPIRENSIS C. Koch, Linnaea XXII. 662. f — Simplex aut ex basi ramosa pu-
berula: squamae et bracteae oblongo • lanceolatae; bracteolae lineares, bracteas et

lacinias lanceolate)-angustatas calycis quadridi aequantes, corolla curvatula aut erecliuscula sub medio constricta ex parte superioris infundibuliformis, labium superius emarginatum, lobi labii inferioris ovati ciliati subaequales, demum reflexi, filamenta glaberrima, antherae loculorum margines villosi, stylus glandulosus, staminibus longior, stigma relatum bilobum — Crescit in valle Tuliabautz in Asia minor

2 * PH LAVANDULACEA Reuter in DC I c 7 no 10

P. elegans C Koch, Linnaea XXII 662 f— Ramosiuscula lanuginosa squamata ovato-lanceolatae, gemmas stiles aut ramos fulci ante cibras, bracteae albo lanuginosae, calyce nervoso puberulo minoribus, bracteolae lineares cum calyce saepe ex parte inferiori connatae, calyx postice fissus aut inaequalis, irregulariter 5—6-fidus et dentatus, lacinus lanceolato-subulatus, corolla atro-violacea, supra germen constrieta, curvato-falcata inflata, lacinus subaequalibus ovatis, pilis articulatis violaceis externe et interne vestitis, filamenta glaberrima, antherae ex margine loculorum villosae acutae, stylus glaber — Circa Biussam

3 * PH MACRANTHA L Koch — Reuter in DC I c 11 no 27 — Wlprs Report III 458 no 2

P. venosa C Koch, Linnaea XXII 661 +— Bractearum plunnerviae ovalo-lanceolatae et bracteolae lineares, tubum campanulatum quadrifidum, vix puberulum, venosum paululum superans, apex lacinarum calycis triangulo-lanceolarum vix dimidium corollae tubum attingens, spica laxiuscula — Crescit in Georgia

4 PH HESPERUGO B Webb in Hooker, Niger Floia p 167 adn — Scapo simplicissimo, junctura obtusa, bractearum appendicibus obovatis comata, bracteis calyce longioribus, basi lineari-lanceolatis, apice in appendicem crassam linearem protensis, bracteolis subnullis, calyce fesso, lobo axillari linearibus, postiore basin corollae amplectente quadridentato, dentibus lanceolatis, margine subscaevosis acutis, corolla tubulosa, tubo elongato calycem bis vel ter excedente, leviter aequali cylindrico, fauce angusta vix dilatata glaberrima, lobis superioribus lanceolatis, basi ovatis cucullatis, lateralibus lanceolatis acutis, inferiore longiore angustiore linguata acuta, staminibus cum corollae tubo basi glabris, antheris sagittatis calvis, stylo glaberrimo, stigmate lato cyathiformi — *P. dipaea lula* Biunn — Crescit in Senegambia ad Boro

5 PH BRUNNERI B Webb in Hook 1 c 167 — Scapo simplicissimo longissimo, horum squamis bractealibus oblongis navicularibus in apicem longe attenuate lacotis acutis, calycem excedentibus, bracteolis linearibus, calycis dentibus lanceolatis acutis, corollis magnis luteis arcuato-tubulosis fauce ampliata, lobis subaequalibus acutis, genitalibus subsertis, filamentis basi cum corollae tubo pilosis, antheris sagittatis parce pilosis — *Ph. lutea* Brunner — In insulis Capitis Viridis

t Ieon addenda.

PH RAMOS A C^A Meyer — (Wlprs Repert III 459 no 7) — Wght Icon pi Ind or IV tab 1618

VIII CERATOCAXYX M. C. Cosson.

(M C Cosson, Annales des sciences naturelles [Ser III] IX 145 tab 10)

Flores hermaphroditi ebracteolati, Calyx gamosepalus, e sepals quatuor confectus, antice posticeque alte aequaliterque cohaerens, itaque tubum campanulatum efficientibus, tubo antice posticeque truncato, utroque latere in unam vel rarius in duas lacinias producto Corolla hypogyna nuda, labio superiore indiviso vel emarginato, inferiore patente tubo. Stamina quatuor, corollae tubo inserta, didynamia in-

clusa, filamenla basi dilalala, antherac biloculares, lobis basi divergen-
libus mucioikitis O\anum glanduln hypog>na obsolcta, umloculdie,
phconlis piriidilibiis qn<ituor pominahm appioximaiis SULus mdmsus,
blurna oibitulalum, snpcim obsolclt bilobnm, linea lrdns\eisali depiessa
not.iliim. fapsul.i unilocultins, incomplete bi\al\is, volvis basi ct apice
(ohacienlibus, uLunqiic mlia maiifinern placenlain lineaicin grenhbus,
Scmun nnmcrosa <<ciobiLuldt — lleiha pdljeogaea, supei dhoiurn
sliipium radicibtib pdiasilica: caule simplici squaniato, llonbus in bia-
cle.rium axillis sessilibus solilams

1 (. MACKOLLIS (oss 1 c p 146 lab 10 — Caulis erectus vel ascendens rectus fle-
xuosusvo, 2—4 ilccimcu longus simplex ciassus lliinus, basi hand incrassatus vel
vix inciassaius, ibiquo squdmis unbiicatis ohtectus, supenus squaims latissimis ovatis
vel o\nio-lnnccoljlis subimbuc **Li**» \tslitus, apice bioviler glandulobO-pubescens, olro-
rubons?, statu sicco lubro-ruftscons Ihaelcac .unplissimae, ovntao vel ovalo-lancco-
Jai to cnlycuii *toie* obteginif », (Of oil i *hnvious*, *pills* brevissimis ghndulosis scabn-
djo, baud cilutac slnaiac, statu sici/O clmtateac mbro - luscscntes Floics sub-
ciccli in spicam clongalain ten^e cong(<>ti, spica saopius dimidium taulcm obsidente,
flonbus (*hobanchis l|a|n* duplo Jongioic^, ud faucem coiollac atro - rubcnles, lubo
anlico coloic lutoo **VIIKIKJUC** ac in 0 *auinla* vanegalo, stalu sicco liibro-iufcsceutes
— (i tacit ad ndices *Konnaum uffuinnlis* tl *Viaomeriat modoiac* in moulibus apncis
(alalaumac

I\ . LATHRAEA Linn.

(Heutei in DC Prodi XI 40 — Wlpis Repcii III 479 — *Arwplanlhi* sect 2 Wlprs
Hcpit III 4H1)

EPIPHEJUS Nutt

(Routei in DC Prodr XI 3 — Wlprs Ropoit III 457 — Wght Illustr of Ind bot II
t 158b)

§. 4 *Ilyobancheae* Wght.

Ovarium imprfecte biloculaie

XI. HYOB\1¥€HE *Thnbrq.*

(Bnth in DC. Prodr X 505 — Wlprs Reperit III 482 - Wght Illusir of Ind bot II.
t 158 b.)

XII. HAEHATOBAArCIIifi *Prsl.*

(Prsl Epimel bot 249 7

Calyx tubulo<jus maequaliter quinquefidus, lacinnis lmeaibus oblusis
Corolla tubulosa unilabiata recta, labio supcnoie obtuso hidentato, late-
rahter ulnnque in lobulum obtusum dentiformem dilatato. Stamina
quatuor didynama evserta, filamentis planis, anthens umloculanbus
oblongis muticis obtusis, sub apice insertis, apice poro ovali dehiscentibus.
Ovdiium o%ale. stylus tercs, cxseitub. Sligma globosum emarginato-

bilobum Capsula. —Herba parasitica Capensis. Caulis digitalis teres ascendens, squamis ovatis obtusis carnosis sparsis, versus basin imbricatis instructis. Capilulum tripliciter, maceritidme pugni mfanlis, basi squamis carnosib. puipeuib. ovalis. cl. ovalo-oblongis obtusib. ciliolalis involucraium. Uoics pedicellati speciosi. Hiactae ties, exteina obiongolanccolala oblusa ciliata, apicem versus purpurea, dorso villosa, latcia. Jelinecan-spathulalae obtusae uninciviae planae, ha&in versus fla^escen-centes, apicern seisu* ma^is minus. c. puipeiascentes, pilis purpuris moniliformibus s< plntis \illosac. Calyx quindecim lino AS longus, biactus duplo longior dorso usque fere ad basin hssus, \entre u^que ad medium quadnfidus, lacinus linearibus obtusis plains qmnquenemib. lacinibus aeqmlil)us vd subaequahbiis, basin versus cihatis tuboque ilavescentibus <t r, hbns, apicem \eius puipeieis \d purpeiascentibus et pilis moniliformibus ullosis. Corolla bipollicans calyce novem lineas longior puipeica spcciosa, pilis lans li^alims seplahs moniliformibus at-speisa recta. Stamina exscita ^labra, pi ope basin tubi corollae inserta, anlhens duas lineas longis fla\is. Stylus slliminibus lon,ioi ovanoque ^labei apice incui\us. Sli^mi mumira capililum, ornaiqinilua irngis uniusve \isibili in duas hemibpliaeihs diMSiin. — Ditteit hoc genus ab *Hyobanthe* llongibus pedicellatis, cilyce tubuloso doiso fisbO, venlie u^que ad medium quadnlido, lacinus quinquenciviis, coiolla iccla apice bidentata, slammibus exscil)is, stylo e\btito, stigmatate globoso bilobo.

1. II SANGUINI A. Pis. I c p 250 — *Hyobanthe sanguinea* (J. Ylabi a. DicJge — Bnll. in DC. Piodr. X 50b — In Promoniono bonao spci.

XIII €\MPBEIiTIA Wght

(Wglu Icon plant. Ind. oi IV tab 1424 a. Illusti of Ind. bot II lib 158b)

Calyx tubulosus quinquelobus bibracteolalus. **Corolla** submfundibuh-foimis bilabiata, labio supernoie magis mlnub^e piofunde bifido, labio inferioie tnlido. **Stamina** didvnama inclusa, anlberib. uniloculanbus. **Pendulis**, poro apicali deliiscentibus. **Ovanum** ad basin spine biloculare apice umloculaie, carpelhs (carpophyllis) profunde mflexis, margmibus placentifens re\olutis. **Stylus** simplex, stigma capitatum. **Capsula** ovaru instar imperfecte biloculans. **Semina** oblonga, testa laxa loticulata, utnnque in alam expansa ^albumen copiosum embryo minimus — IManlat beibaceae in radreibus aharum epiphytae: caulibus slmpcibus squamosis, flonbus axillanbus pedunculalis, \usus apitem c^ulis densioubus, singulis bibracteolatis. **blamina** coiolla breviora, slylus apice hamatus, sligma cla\atum nulans.

1. C. AURANTIACA Wglu I c tab 144 — (-uilibus simplicibus, umliquo squamis sub-rbicular)us itlpresais vestitis, floralibus (bincteis) late obo\nu\$, braccolis lanceo-
*aiis integriis flonbus sessilibus atipuhtis (1), corollo calyccm vix ocedente intus pubescente quinqueloba, slammibus vix didjnamis flnmentis pilosis, stylo slamina aequante piloso siigmite clovalo — Hibuai in India oiienlali (Ncil^hcruos pi ope Ne-
?wutum)

2. C. CYTI&01DLS Wght 1 c tab 1425 — *Phelipaca cytmoidci* Reuier in DC. Prodr. H p 14 no 40 — *Chnshsoma Neilghemca* Gardn. mss.

OROBANCHACEAE.

XIV. CJKISTISOJVIA *Wght.*

(Wght Icon plain Ind onrntal IV tab 1W3 1426 1127 1486 a Illusr of Ind hot II t 15Hb)

C'<) liibiilosns quinqueilrnLalus. Coiolla infiindibuhformns subbilibiaLi. \nllii r,xⁱ JHIOCHLII US, loculo uno **ferlili**, allero slenh subulato Placonla< liberal nnolulae.

- 1 CIIR SI Uaf AUI Is **Wplit** 1 t tab 1123 — Caulibus brevissimis crossis squamosis, pedunculis 3—1 qnain squ mihi hiivionhiis millions, corolla 2—2¹/_i-pollicari, lubo gracili bi<il<i < <al\cc cxsulo itiuii, in limbuii imgnum 5-lobum suhbilabiaium expnso, st iiniliUb 4-nis ^Inhiis, oilhctis glbns oculis calcaralis, slignute capilalo — *thobancha Mihacuults Until* — IN IIKIM onculali
- 2 CIIT CAIA ARATA W^lu 1 c mb1426 — **Glabia crecta squamosa squamis ovaiis** non imbtM ids b ism \rrsus nunipiosionbus, floubus longc pedunculalis ebrocteolatis; c^ly<o uibulobO (juinquolobo, limbo persistence, roiolla lubulo&a bilabiata, labio supouoii mnjooi tin.itgmalo, **infci IOI** i trilobo, tubo e\Uis pdoso, siainirnbu didynamis inclusis, III HIM nils basi pubescentibus, nnihms biloculiibus, oculis divancatis, mlcuoiij stLuli in i ilc II conicum pioTongaio shlo Illifonni CAICHO, sUgmate bilobo, lobis axi paidllclis (vci ticnlihus), tapsula globosn, calycis limbo persistente coronata. FloiLb cocrucilavd [tuipuiastemcs -> **Habitat** in India onentah (Tannali propc Lombaj)
- 3 CIIR liAWII Wght 1 c lab 1427 — Acaulis vcl subacaulis (lorum subscsilium basi ebrac'eolata, squamis paucis laxis circnmvcstita, calyce lubuloso quinquentalo, corolla lubulosa talycorii plus duplo ucedente, limbo quinqucfido, lobis subaequalibus oibirulniibus, slaimmbu didynamis, duobns infcrionbus inullo bicvionbus, anlliens biloculaiibus, loculo altcio stenli subulalo, nlicro ovaloacuto, sljlo slamina superante, sligmaic bilamcilalo, lobis vcilie ilibus ~ Floiet. coeiulescenli-puiputci. — Habitat in India oncioli (ad Tannali pi ope Bombay)
- 4 CIIR AUUAVriACA Wght I c tab 148b — Eietla, pnice squamosa pilosa squamis ovatis adpiessis rflibus, Jlonbus corjmbosis longc pedunculalis, podunculis versus medium bibiafolaiis, calyre lubuloso piloso qumquedcnlato, denlibus mucronatis, IOIO11.1 tubolos.i, extUi piao^a, limbo subaequali qumqtulobo, lobis lotundalis paientims, siaminibus diduiamis, antheris biloculaiibus, oculis sienlibus subulalis, ferlili subdujilo longioribut., stjlo stamina excedente exscerto, apice curvalo, stigmaie magno piloso umbilicalo — la India osientah (Ncilghernes)

XV. HARVEYA *Hook.*

(Rnth in DC Pioch X 524 - Wlprs. Kopeil HI 390)

XVI. 41JL.AYA *Harvey.*

(Bnih in DC Piodr X 523. — Wlprs Ilepeit III 390 VI 650 — Wght. Illusr. of Ind. hoi II tab 158b)

† Genera indiscipli ad hunc ordinem in iortasse IUCRMH

Nil PSAUOIOSTACIIS *hsl*

(Mpr« Report VI 650)

WIN MICROSYPHUS *list*

(Wlps Hcpori VI ViO)

Ordo CLXI. ACANTHACEAE *it n,*

(Ves ab Isonbeck in D(Piodi Xf 46 it 720 — VVlps Anml I 539 — lie Vcnlli
ociium distubuiionp geograpliioi cf FRAMU Mil IM, Jinmei XXI W7 — %^)

Subordo I. **ANECHMATACANTHEAE**
IV. ab E. in DC. 1. c. **19.**

Tnbus I **THUNBERGTEAE** N ah E m DC 1 t

I. **MENDOCINA**)elloz

(N. ab L, in DC Prodr XI 50 tt 721)

1 M SPLITGRDERIA^A \nesc, Nederlandsch kruidkund Archief I 353 + — JJirsim
folus ovatis acuminaussimis, basi acutis vel raro subrotundotis, braclois lalo ovaus
tpico iotundatis mucronulatis, pilis longia lursutissimis obsitis, corolho stramincic
tubo basi venincoso, turn angustaio, sursum laliore* fero infundibuhloimi, fiuctus
loculo supenore longioic, oblique directo monospermo, mlcrion eiqe globoso sKuh
^{superposito} — Cioscit in Surinam prope phnlalioncm Mervoillo

II THU^tBERGIA I

(\ db E in DC Piodr XI 54 — Wlprs Annal I 5J9)

¹ Til ALATA Boj — N ab \ in DC I c 58 no 15 — Flora (li /) XWII J5S
idnoi

[^]ar *mmginata* pctiolis angustissirae alaiis, spccimimbus Assamicis a Nrcsio but
rchus sunillima sed forte lam a *Th alata* vera quam a *Th Dicgcana* spccidco disiin-
ffuonda[^]— ficscii in Inrino onentali cnmpis ondis provincnc fanara
III •

III Will Y S)u In I linn t Will ^ I Cuili 11 Humfiuili nnioii&biino rolIIM(ii
 Inix si i mi M iluib fnhis piUoIm* lunihihii ronhtis OIJUIMS iipimlo ill m Hi* irniPi
 \n jidi ilii < lahli-* folio birvionbut, prilnnmli* folium ic<|u iiiibii^, c iljcc juoTiinclL
 1^ flrio In unit ten 11*. -p uliuliti's pic iibcMuiiiluis, <oiolh infundibulifoiim tuhu
 i.,iiti) li Ht<oh siippi wl< <npsnh Jib n — In Piomonlouo borne spci

III MdI I CI Y Sond(I I c 8⁶) | — M Iltu pubescent ciulc piotliaio nmosistimo
 l(Jus \i uol itis iiiui_Dul iibus obiusit Insi iuiKitib subtoid ilfevc, inngino subdcn-
 i ili-, tumruit i tliolis 1 liun iliinidiuin i.(iUTiHibiib ex it ilis peduncuhs folium siib-
 ic(jii iiiilni!*, In* |tofuii(Li M In!) hdini^ inaeqiililuis pulic¢ibus, coiolh in-
 riindilmliloimi lib hi i IM li lti(\ioi< < Tpsiih ghbia — In Piomontono bunac spci
 M t t|shc(,g)

III (.1 HAMII 01 IY Hnili in Hooker ^In^cl Tloia iTo | - — Snndflns, pilis longis
 Iniii fohis I ai> louiiti^ | ilimlnn (lquinquelons icumiiniis peduncuh^ axillanbus
 inilloii-. cilvu n unc iin jnu ^io - ficsul in SH na Leone

• III (NN\N(III! 01 IA l>mli I (| — Noliiljilis pilo^uh ^ncilis folns pcciolalis coi-
 III M s» in ait UK mbi urn (IN inl\i («—7-Inlo, corollac limbo tubo suo hieviorc —
 (i< CIL in AIIK i iropu i ouidcnnli

ill () \0 M N W Y linih I t 47d f — srindui*' t;Iabn folns ovalit oblon^isvc
 iib> L₂(inmit Insi m^nsiiiis lotund ui^vf, uliinqc pipuloso-scabrij,, pedicellis nxilh
 In uiililoiu il\i snh-1-^-fido — ficscil in insuh Fe nauulo Vo

III MKYKHTIA A ah I

(N I» I in 1)(Tiodi |l (>0)

• M I oNdIII OHA liiuli Floi i (M /) WXII 55^ adn -| — Scandens ghbra folus pc
 uohiis Insiuu -subconhus cilytibus 10—12-fnlis, toiollao lubo caljcc subduplo Ion-
 ion — loin <\ o\ito luiccolati, iculissime iruminain, bati mngit minusvo baslaio-
 oidin (i i|iiinqii(nci\n, nnr_niuc inio_Douimi \cl icmoic simmo-dcniili, tenmoia
 limn in V Haul i/maun a w\ niicuhii Hnclo IO subsemipollicares oblique ob-
 lun-10 icunf Tiljx bicMs pubo^cens, lobu. iruiii> innci|inlibus foiollac lubus pol-
 IKTUS mint im dio ICMKT pilotut lyuhus implus lubo lamon bicvioi Stamina m-
 ihisi iniliuis rjilnis In i imrqinlibus (\iimaiis Cnpsuh minulo scabro-pubescent
 tuli,lohoti i)sio hi), (onipiCsNO — Cicscii in Fndnc oinntalis collibus piope ur-
 |u in M in_aMloi

M 1 HL(FA I»nl!) in Hooku Ni_nti Floi i 47b f — Glabia folns pcciolalis ovatis ob-
 lin_nib\c uumimiit, Insi injrnsniis, cilyct brevibsnno sub-12-lido, coiollac lubo bra-
 |oi> undruph lon^ioro — Cicscii in Yfuea iropica occidentali

i Icon addenda.

M IIAVVTAMSIANA N ib 1 in l>(I c no 1 — Wgbi Icon plant Iml oriental IV
 idi 11^7

MII ^BKIVOSHA \ nb I

(^ ib I in DC IModi XI W)

1 A viillKHLAIY N nl 1 m DC I c fiO no 3 — Wglit Icon plant Ind oi IN
 Mb J⁵?)!

Inbu>> li *NLLbOUEAL* ^ *Jb L ui LK I L 62*

l\ **£:BE:RI?IAIKR** \ \ . *ab I*

(N ib I in DC L10III \l (0 U ^1)

1 I IIUMU IS Miqu bntp hiinmnicna select 128 1 — Caule iqiciuc ~~tantu~~ ~~scua~~ ~~dentibus~~ creclis cum fuluium nei\b ^ublus lmtllu, i,ldbiistcilibut foln^ ~~subses~~ ~~silibu9~~ ihoiubeo- vel OMIO cliplici^ obtusiusculi^ . In^i aculis uile^ciuiuib supra tencie pubciulis ilemiini i,hbiis sublus. p Hulls, veni* quateniis \cl quims laccuus teimimlibus spic /n> I ucleniis M!USI6 b ISI fuluii-. luicleis heibactis. lanecohli UMICIMIS MilosUIb CiljCi) lubS I lumDbU piOSlb (ll UUI lillfoillll lllCillbUb (JUUI hnccuhlo line u i c | M i neuimsi ul i loly^cima — Cic^cu in Suiiuun

1 Icon addenda.

‡ GI \U(V IN ill I inLX I c ?J no 10 — \N_plil Itou pi till In 1 nuiaal 1\ lab 1188

Y **ERYTHRACANTHUS** V *ab L*

(P* ab C in D(Piodi XI 7^)

i L OU1USU6 IS tb L in DC I c no 3 — W_bht Icon plaal lucl oncnUI i\ lab 1491

Iribus III *UyGROPJILLAL* N *ah h m DC 1 t 79*

\l **MKMIAIKIiPHIS** \ *ub I*

(N ab I in DC Piodi \l 60

J U iOiybPLKMAIN ab L in D(I c n J - Wglit Icon 11 ai hul uiuiUI IN lab 1192

ML PHYSI€HIIiIJS A. *ab L*

(N ab L in DC Piodi XI hi)

WI SLUPYLLUM N »b L in DC 1 c no 1 - Wfelu Icon i lam Liul oiiciiuul IN lib 1113

WI HYGROFHIL.% /^o *D>*

(N \h L in DC Piodi \l 85 a IZZ)

1 11 OUOVA1A iN ib 1 in DC I <- <l »o ^0 - Wghi Icon i hul lml oncnul IN lab 118y

* II ^ALICHOLIA N »b I in D(1 t «« no M - \|L\| I ni U«0

Wli ttYMUfOSTICIIYOI \. "(> h

(N il) I HI DC Prodr \I (3)

- l (i Pol \MIILM W_blit Icon pi Ind 01 IV ub 14<4 — Ffonbus in iceino fiscitu
laLis Piscitulis i| 11oxiiii His nuiliillois hievilci | cduncuhtis | (dictllis bibractcolaiis
f h< > priiolaus subiotundo coidatis glabns *ulunquo* elinculaus antherjs ovalibu
i calcai ills, ciulo cilvububjuc gl ibns — In India ouontili ((oui{,;
- > G H IIIUI LGUM IJnih 1 lou (H /) XXXII 558 ndnot |— Puberulum ihi/oimii
itptMK f Ins subiadu lihus ovaiis pcliolo longo suj cint ilalo , flonbus in scipo
uIn_noiu (lungaio 1 iscul Uii inlerruple taccinosis, j edicellis nunule bibricleol Uis,
minus ovntis etilciiaais i|H(c onnettivo tuspidiib — Hibiiu ommo caciens spe
crlus s mile — CILSCH in Indi i oncnl di propt uibcm *Mangalor*
- t (\I \1 UM \Dln Icon 11 nit or \ lab 152o f— \cinlc folus ^lahiis omnibus
i li libns lnnnifusis lorife | etiol uis coid nu-sub jrbicnl inub interns pcliolib ahlis,
=> itis isccndentibus (luiibus sessilibus solidiib Mibailerms, c ilycis stgmenlis omni
bus TMJU dibus sul i nbescuiibus iculis toiolla nhcit lunbum inultoios supcianto
nii_{ii} i \Liuncosi I ilnu supcuoio unaiginaio, mfciiuic ludenialo, anlhens bilocula
ubus | ubtsetnlibus — Ilibmt in Indi i oncnlah (Coorg)
- i G VOW \MIIIIM Wfdu 1 L lib 1525 fig 7 (Capsulac valvie) f — Glabrum Hon
bus fns (ILHI ills fisciculib (jacilibu6 ghbiib ractmosib biCMler peduncuhiis subiggre
n_nilis budcis miiulis. oubuhtib fulti ills gl ibns folus coidaio - orbiculaiibus sub
cuspid iio - dLuminatis, pcliolis exalalis calycis lobis ac<|ualibus subulalis, corolla cy
linduci inibcus bllocul inlms, luculis paiiallelis diblinctis (exceplo apico), cenlcaralib,
i| sulis ^nulibus circilLi 9 lin longis polyspermis — II ibiiai ? (m Indn
ncnlni?)

Will CRYPTOPHHACMIIIJJftl \ ah b

\ -/h I in DC Prodr XI 94 ft 7-W)

- I (11 LVTIFOLILM L) ilzell in Hook Kew gaid inisc II 137 f — SulTruticosum gh
bium S| icis ivillaiibus bic\ibus (I—2'/j-poll) lucholomis, folus longissiino pcliolatis
subiolundalo - ovaiis ucummuis basi liuncilis cicnularis, capsula ciljce qundruplo
lon^ioie — Folia 11—1^-)ollitana 4—4'A poll lala — II (Lilai in Indiao oricniili^
liov Mjsoio
- i Oil GI ADHUM Dilzell in Hook I c II 338 f — Spica tcununli com>osiLa biachiali
siibptd ill, folus cliiplicis ocuiiHiniis in pcuolum alaiim decuuonlibus denliculaiis gla
bus corolh cilyce plus du| lo longioio — 1 olia 10—11 poll long? <P% poll lala —
II bjtat in Indi a ononih in umbiosis disinclus Concim

r IconeM ttddentlae.

<H AVILLVRL N ib 1 in >G I (% no 5 — Wght Icon plant Ind oncnul >>
lib 1496

' I (\Nrscr\^ ^ ^ r m.Dr I C % no J - Wght 1 c 1496

X\ BRILLIANTIA *Benth*

(Until in Hook \igti Floia 177 — *Lutoi*)hapIns N ob C in DC Prodi \! y?)

I 'Bit LAMIUM Dnih in Hook Nigci Flora 477 — *LCULO*)Ihaplui> Lamuim \ ab I m DC l'iodi \I M7

<? 'OH VOGELIANA Ltmi] c — *Leucoihaphts Vogliana* Is ab L m DC I c 97

Tnbus IV. *RUELLIEAE* N. ab E in DC. 1. c. 99XXV. ENDOPOGOIV *N. ab L*

(N ab E in DC Prodr XI 103 ik 723)

- 1 'L RHAMNIFOLIUS \\fc hi Icon pi Ind or IV ub 1521 — *But oca a ihamiujo*ha iN db L in DC] c. 725 no 2
- I L INTLURIIHIUS Dil/cil in Hook kc> \ £Qid mi^c II 342 f — Tolns ongsut ellipiicis vel 1 iHtcolaiis. acuininais, in p< tiuluu iialim decurculibus auntulais*, bia tleib bratlulibijuc lintanbus, pili^ longib cilnlis, tahcem subaequnilibus, cilytt rhacbiquc bievi louaguno vi&co^o - glanduloiib — In India oucnlali in di^mclu (onumo
- § L VLRSICOLOR Wght 1 c lab 1497 — Biactois Inncoolaiis subulato-nlicninlis cal\cibusque dense glanduloso-hirsulis, calycis qumqucfidi segmonus lantcolalis, fullis longe pciolaiis hie uvaiis auimiiiais crenaiis, bupia glnbiib, infra albis — In India onentali (Neilghimes)
- 1 L CVIMTATUS Wght 1 c tab 1499 — Spicis abbrevnio-capitaiis, bncicis cttenonbus folnfoimibus, limbo glabns, basi dilalaiis, talycibus ramulis pcliolibque pilis glandulusis dense vesliu*, foliib ovUis acuinialis scirali*, loibo glabns denso Imtolalis — In India ontntali (Neilglieines).
- "5 C STHOBIANFIILS Wghl 1 c tab. 1500. — Spicis elongalis glabns, biaclu* extenonbus iuluformibus oblungis, lanceolatis vel ovatis acuminate, calyce lon^oionbus, taljce quiiiqichdo, segmeniis Janccolatis, siamimbus 4 didjmmis, lulus lite ovatii icuminaiis scuatis glabns, utrinque lincolalis — In India onentali (Neilghieines)
- L FULIOSUS Wght 1 c tab 1501 — Spicis abbievialo - capilitis glnbrib, bracluis txtenonbus foliifounibus, limbo ovalo ocuminato seriato, Uoribus diandiu, folus lon^o pciolaiis glabns — *HabiCU* in India ononiali (iNeilghcnits)

t Icon addenda.

l< MbCOSUS Am — iN |b V in DC I c 101 no (> — Wglu) c lib 149b

XXV^a **GÜTZLAFFIA** *nance*

(Nance *m* Hook Kow gard misc I 142)

Cal^ ngulaus quinquolidus, lacinns Jieustis. Coiolla o Lubolu^o sulo cunalo carpanulata, hiiUio aequali quinqucfido, lauiuis vatis btusis Slamina duo subinclu^* aulherae OAals Ljloculaics, locellis

oallels acjuatibus multus Stylus in tauali iauuuuii baibalo icon
 lilus cwiltib, ij)ite incuivus, sli-.nn simplex subul ilum (apsula ob
 Ion-1 buliqiuidiaii-ulaiisj biloculais leliaspuina, louiliculi bi\alus
 \ ilvis inctiu se plileis» (lissepimcutuin ailnalum complUum. i>tinina
 oibicuhla compiLssi — Suliuilcx Sinensis: foliib inlcgunmis I lo-
 ILS in fiscjculos c>mosos axillaiLS «l leiimiialc^, \c1, SI mavis capilula
 on-.isli, biacleis sujlluli, iulailts dtnus sal (listintlum, lime *Lmlo*
poqoui, illinc (*oilouwan/ho* aflinc, usque inlcij K ens

1 6 W\U \ Ilnucl c — (JUIL ^iiltduu^o tctugono j> ibiiu^culo, iaini» ueuib
folus «Iipiicib li isi nt peiulucm bicveni iibeunlibus Jiuegemia coslato - vno^ib <siib,
 IU_DOMS MI| i i miuii(<Juc scibiib, subius (tosli vemsque Lxcepilib) dciiibC incaiiis
 fiscitulj-) 5—8-iloui) btbsjlibuij biacleis 1 inccolaiib sublonicniosib uhaiis calycitii)
 p uum bupti luiibiU) — Cit^tit in niDulac Hongkong binaium lotia andis

XWJ STKIVOSIPHOnriOI A' ab L

(N ab I III DC IModi XI 105)

i si DIYMMLM > »b b in D(1 c no 1 — W_bhi Icon pi lud oi 1\ lab 1002
 ' 6T KLbSLI LIVMJM N ab I m DC U no 3 - Wgil I c lab 1503

WVUI CAIiOPHAHTCIS Don

(N d> 1 in DC Piodi \I 107)

i t V UIAiNS W_Dlil Icon pi Ind oi XI lab 1520 — **Fiulicosus diila^uj> standus**
 luliib ov dibu* vel subovaiib puliolaiib inlc_niis, pedunculi6 i\illaubu6 (ictiolo Ion_nion
 but cjinobo-^—5-lions calycibusque subviscoso-pubescenlibus, caljci iobis subu
 I nis coiolla bdabnia dnnidio encilti bicvionbub, anliciiib bicalcaialib — Uabilal in
 India oncnlali (L0016)

\XXliu 1EK]XIIOR%PHI8 A', ab J

(N ib L in DC Piodi XI 7U)

11 IAILUOObA ^ ib 1 in DC 1 c 723 no Z — W^lu Icon \A Ind oi 1\
 lib U01

XXXII DIPTBRACAHTTIUS A', ab L

(N ab L in DC Piodi \I 115 U 723)

D (*lli<jtoi>hUouhi*) SUIUNAMI NblS Miqu Limnca XXII 471 | — **Ici bacon*** »ub*
 cicclul piriibu-i junioubu's pubciulus taulibus acule tcli i^oni^, foliib ovaiis vel
 ovalo oblongis sub icuuiiialis sublus beccub ncivob pilosulis, supia jilils adpic^sis^imis
 ununlib m:>pci2>is, floiibus uilluihus SCSMIHUS solilun^, biaccolis Imcaubub calycc
 multo Jiicvionbus, coiulli couulca inlundibuliformi, lubo fauccm subobliquam aoquanic
 — ticstn in Sin mam

I> *»PLCTAIJILI6 Hook Loi Ma_haz lib a'Ji - Lmdl & Pui How {aid I 75
 flj, ot — \an ii_{ou}llec> i|_olc j c s stiles VI 19 lib 55i — Ilulnccub subpubescens
 'iul^ fjuadiangulan ciccio lamo^o folu^ ovatib acuminaus ciliaiii basi m pcuolum

peribicem aitenuniis, flonbus g-cmims n\ilhubub 9ossilini9 cbracicolatis, cnljcis pio-
funile divisi lacimis subuhlis ricclis, roiollac (maximac) lubo geniculato - curvalo
m< me angusto^ suprine sensim dilaiato, limbi (fere 3 poll Inu) lobis subacqualibus
lOlundniis venosis margino ticmio, cap&uljb VIX pubc&ccnlibiib JO—12-spcrnus — In
Pciuvi.ic Andibus>

- t D) ((.cnuwi) /JAM III Sonder, Linnaca XXIII 90 f — SufTiulicosus caulibus pio-
stialu pubcnUis, folits conaccis obovatis aculiusculis, basi in pciolmn angustaus
inlegeiumis lenuissime pubescenlibiib, demum subglabus, lloubus a\illanbus solili-
i> breviter pedunculatis, biactcolis spalbulatis fuliaccis calycem acquantibus, caljtis
lacimis subulatis pilosis, coiolh mfundibuliformi duplo biCMOibibus, capsula glabia in
medio telroscpima — In Piomoniouo bonae spci (CufTeljagdnvici)
- t D) LhNDIIEIMLRIAMJS Schcelc, Linnaca XXI 764 f— Caulis* hcibaceus cicctus tetra-
gonus pubescent iamosus. Folia opposita in pcliolum attcnuaiia o\ala pennmciyn
icpandi acua, ulnnqcc appic^ssc pubciula, sublus pallulioia Pcdunculi a\illares op-
posiit bicvissimi canescenics paucilion bractati, pcliolo niulto bicvioics Dractcac
o\aiac in pcliolum alicnuatac acular, ulnnqcc ipinesse puboiulac, pcliolo longiores,
fulns paivis simillimac Flores hscicuhu subsessiles bractcolali iJiacleolac clon-
gilat sptilliulato-lanccolatac pubcttemes, calycis hcinii* paulo bicvioics Caljx pio-
funde quiquipai lilus canescencti - pubescens, hciniao clongaiac 4anceolato - subulalat
bihiiio-tilunc aquales, tubum corollinum dimidium superanics Corolla inlundibili-
foinns (puipuco-) Moheca, tubus pubciulus apiccm vcisus sonsiin dilalaius, limbi
suLacqunlis quinqtfidi glabn lacimac subiolundo - obovalac inlPgjac obsolete cionu-
luac, inluduin ciliolalac Stamina 4 didjnama intlusa, filamenla glabia, basi Faucis
i c lubi pains dilatalac inserla, bma basi conjuncta Anlberao lineaic sagillalac
<ic(l)c mulrcac, loculis parallelis acqualibus Stylus pubescens, sligma bilareollaluin
bnsi nodulosum, lamella allcia abbreviate Capsula clavata tomentosn, basi compicssn
ii>pcinia caljcis lacunas subacquans, a medio 4-spouna Iletmacula unemaia piac-
inoisa bemiitp subiolunth conipicssa fuscscenctia, niai^rinc lumido cineta — Cicscii
in Texadc pi ope Neubiauifcls.

t loon 'addenda.

> PATULUS N ib L m DC 1 c 1^6. no. 5b ~ Wght Icon pi Ind oi IV nb 1505

XXXIII. BVELLI il Linn.

(N ab V, in DC Piodr Xr 143 U: 724 — Wlprs Annal I 540)

- † R (HI MIGHAPIIS?) CRCNATA Bnth Floia (B. Z) XXXII 558 odn f—lloibacca la-
mosa, molliler villosa viscidula loins ovalis oblongisve obtusis, grosso cienatis, flon-
bus a\illaubus subsossilibus vel termmalibus subcapitatis, calycis lacimis lincanbus
obiusiusculis — Afflnis *R. cleganti* Hook — Ciosut in India oncniali pi ope Mala-
s&inudio
- ^ R LURAGTI ATA Dalzell in Hook Row gard misc II 342 f — Caulo bcibacco ic-
pnic, ad nodos ladicante, folus ovalo-iolundatib, basi uuncalis giossc cienalis, pilis
articulatii hutis, longiuscule peliolalis, supicraib (floialibus) viscoso-glandulosis, flo-
nbus m fohorum supcnorum nxillis sohtanis vcl geminib scssilibus, capsula octo%
bpemia — Tolia bipolhcana, pollicem lata • — Habitat in Indiac ouonlalis distnctu
Toncano

9f ICOUCH addendac.

^ TUHDIEANA Hook - Wlps I c 540 np J - Paxt Mag of bot XVI 13>) c ic
R PU^CTATA N ab L in DC. I c 117 no 12 — Wght Icon pi Ind oi IV tab 15W

WXVI ASYST%SI% *Blunt*(N j) E in DC Piodi XI 183 It^U — Wlps \nnal I 540)

- 1 A S< \M)I NS Hook Hot Mig til) 1419 — Hmh in Hook Niger Floia 478 — *lien fn/a s undent* I mill — Wlpib \nml I '510 no 1 — Pail Magaz of boi \1 130 c ic
- ' \ CAI VINV Ilnih in Hooker, Nigci Flora 478 + — DifTusi piice pubescens Coin* ov-itis, iictniis nxilhnbus clongalis sccondis slnctis cahcis lacinns lincan - hncc<* liltis membranccis — (icscii in Afuca tiopici occidental
- \ A Midi I IAM Knili I L 479 -j — f.hbn folns ovaiis ellipiicisvc acuminalis, basi mn^usl ili^ biivilei j tuohtis 1 icniis tcniiinalibus ?ubmnosis gl ibriusculis, Honbus unihunlibus ^oliiiis pedicclhlib — (resell in msuh Fcimndo Po
- 1 A VIUI \ (I A 1) il/cil in Hook h<\ gird mist II H9 — Cnule ndscndente geni- cul it) ^hbenuno obtuse quidiin^ulaii stinto, duobub 1 itcnbu> opposilis sulcalis folns (vniis \d ftbluitji^ cuiis integns, inTcilonbus in) < liolum altenuatis, supeno- nbus bisi ioliind tUb br<t peliohls vrl sub^taMbbui uti i juc >)(ma liirlulis, nio subplii)is i icmiis t(inimalibuij sccondis solinrns \<l gumms nljcisi lacimis lincau- laiu • (1 illis uulmstulis bnltllis sub inln M pattnlibus, peditellis brevissimis bibia- >ic iiii coiolh c iculi i pollicau exlu-s j,l mdulosi, 1 icmiis pmnibus revoluuis, labn inlerious Idecima InUiintdi i (onvexi intnto \iohtci, fauce mlhli nuipurco-imaihli tubo medio \ilde conbtucio, c insuh ghndulosa d nin Juii,L u%ujculati 15 Ijn lon,T — 1 oln 5-pollicaiid 2'A >oll Ian — Ilibint in Indno oiionnlis districin uiioqiit (oncano

t loon addenda.

- A COUOMANDELIANA N ib I in DC I c 165 no 7 - WIprs Anml I 540 no i — Wghl Icon phnt Ind or IV lab 1506

\XXI\ FiEPTAC[˘]A[˘]t[˘]fTHUS[˘] A *al> I*

(N ab T in DC Prodr XI 1G9)

- 1 I AIATUS Wgbl Icon plant Ind or I\ lab 1527 — Frulicosus pamculis racc- mosijj* nunurosis in nmjs nudis vcl racemis smgulis axillonbus in lamulis foliosis foliis o\ilibus oblongo-acuminatis integns, in pcuolum dccunciibu^ amplexicaulibu^ plabus pedunculis, bracicis calycibusque pilis scto&is dense vcstilis, calycib lobi^ line iibua obiusis biacioolis mulio longionbus, flameniis longionbus pilosis — In Indn oncniali

t loon addenda.

- I WAI hriU N ib I in Lf I r 170 no 2 - Wght I c tab 1507

XII OOIiDF€^SIA A *ab. E*

(^ ab E in DC Prodr XI 174)

- 1 (r THISTIS Wghl Icon phm Ind or \1 ttb 1508 — Fiuticosa erccia **folus m'** icqualibus ellipnco-lanceolaiis acuminalis icute serratis utnque glolms mlflores

ceotia paniculato - spicata, spicis subcapitatus longe pedicellatis nutantibus paucifloris (2-floris) involucratis, folus involucranlibus (bracteis?) lanceolatis acutis, calycis lobis longis, nrice ciliatis, corolla infundibuliformi limbo regulan, tubo intus pilosissimo, stamimbus basi monadelphis, anthers oblongis, capsuh leirasperma, semimbus prope basin sins, infenonbus saepe abortientibus, supenonbus oblongis obtusis subtruncatis pubescentibus — In India oriental! (Neilghemes)

t Iconea addendae.

- G DALHOUSIANA N nb E in DC I c 174 no 14 — Wght 1 c tab 1509
 G (STROBILANTHES N ab E in Df 1 c 189 no 43) DECURRENS Wght 1 c tab 1522
 ∇ ISOPHYLLA N ab E in DC I c 176 no 20 — Hook Dot Magaz tab 4363 — Morren, Ann de h soc d agnc de Gand IV 215 f tab 200
 G PENTSTEMOIDI S N ab E in DC I c 175 no 16 — Wght 1 c tab 1510
 G ZENKERIANA N ab E in DC I c 172 no 2 — Wght 1 c tab 1517

XLII. STROBILANTHES *Blume.*

(N ab E in DC Prodr XI 177 & 724 — Wlprs Annal I 540)

- 1 STR SFSSILOIDRUS Wght Icon plant Ind or IV tab 1512 - Suffruticosus, undique pilosissimus caule erecto tetragono, folus sessilibus rotundato-cordatis serratis bullato - reticulatis conatis, spicis axillaribus terminalibusque, bracteis intercordatis cuspidatis integris — Habitat in India orientali (Neilghemes)
- 2 STR LURIDUS Wght I c lib 1515 1516 A — Frutex elatus ramosus ramis virgatis, inflorescentiam in partibus inferionibus nudis gerentibus, folus ovali - oblongis acuminatis, utrinque pubescentibus serrulatis, spicis ascendentibus 1 — 2-nis oppositis, bracteis magnis emarginatis orbiculatis vel apice subtruncatis, obscure livido - fuscis, bracteis linearibus oblongis calycem cucurbitaceis aequantibus, calycis quinquepartiti lobis lanceolatis, disco selarum senis multistratis, corollae quinquepartiti lobis lateribus reflexis, eximie bilabatis, stamimbus per antheram basi coalitis, omnibus aequalibus exsertis, antheris oblongis, capsula calycem subaequante subcompressa tetrasperma, seminibus orbiculatis glabris — Habitat in India orientali (Neilghemes prope Neduwotim)
- 3 STR ASPER Wght 1 c tab 1518 — Fruticosus caule erecto tetragono, ramis junioribus oppositis sulcatis, adulationibus glabris, ramulis hirsutis, folus inaequalibus ovato-oblongis longe petiolatis acuminatis crenato-serratis, utrinque hirsutis (rough) venoso-reticulatis, pedunculis axillaribus quam petioli brevioribus trifidis, spicis compactis ovatis, bracteis late ovatis ventricosis undulatis, basi in petiolum alatum attenuatis, sursum cuspidato-attenuatis, bracteis lanceolatis setulosis, calycem aequantibus, calyce quinquepartito, segmentis lanceolatis ciliatis, corolla calycem duplo superante, limbo campanulato sursum ventricoso, tubo contracto, stamimbus inclusis, antheris pilosis, capsula tetrasperma — Habitat in India orientali (Neilghemes)
- 4 STR MICRANTHUS Wght I c tab 1519 — Suffruticosus vel herbaceus erectus caulibus tetragonis glabris, folis longe petiolatis late ovatis serratis abrupte acuminatis, in petiolum decurrentibus, supra hispidulis, infra reticulato - venosis parceque pubescentibus, spicis axillaribus oppositis nutantibus, pedunculis prope apicem refractis, bracteis ovato-lanceolatis acutis, inferionibus foliaceis pubescentibus, superioribus membranaceis ciliatis, bracteis linearibus lanceolatis calyce longioribus, calycis lobis lanceolatis corolla longioribus, corolla campanulata, breviter quinqueloba, lobis orbiculatis, stamimbus aequalibus exsertis filamentis complanatis, basi monadelphis, filamentis.

- anthers adnatis, ovano quadrovulato, capsula ? — In India orientali (Neilghernea)
- 5 STR GRAHAMIANUS Wight I c lib 1520 — Fruticosus ramosus caule tetragono ramis adultioribus glabris tubeiculatis, folis late ovatis cuspidato-acuminatis, crenulato-dentatis in petiolo longum decurrenlibus, supra stellato-hirsutis, infra pubescentibus reticulato-venosis, pedunculis axillaribus vel in ramis nudis trifidis quam petioli brevioribus, spicis ovato-oblongis glabris, bracteis orbicularibus ventricosis, inferioribus pilulis remotioribus* dense lineolatis, interdum hispidis, bracteis nullis, segmentis calicis hinc inde, corolla magna, filamentis longioribus pilosissimis capsula brevi compressa tetrasperma, semibus duobus inferioribus multo minoribus, omnibus pubescentibus — flabrat ? (in India orientalis)
- 6 STR NIELSIANUS Wight I c lib 1513 — Suffruticosus ramulis subteretibus glabris, folis inaequalibus elliptico ovatis acuminate acutis, basi subinaequaliter grosse crenato-serratis stellato-hirsutis, supra dense lineolatis infra lineolatis sparse pubescentibus, pedunculis axillaribus saepe trifidis numerosis subpaniculatisque versus apicem ramorum biacteis versus medium, spicis brevibus ovato-capitulatis, bracteis foliaceis acuminate rectisque virido-pubescentibus, calyce bracteisque brevioribus dense pilosis corolla parce pubescente intus setoso-hirsuta, filamentis longioribus hirsute ovano quadrovulato — Habitat in India orientali (Neilgherria)
- 7 STR CAMPANULATUS Wight 1 c tab 1562 — Herbaceus erectus ramosus caule tetragono angulis rotundatis, foliis hinc ovatis vel basi subcordatis, cuspidato-acuminatis ulmi pilosis spicis axillaribus capitatis pedunculatis bracteatis? glabris nitidulis suborbiculatis hinc inde clypeo subacquantibus floribus bracteis vix superantibus tubo corollae brevi limbo campanulato aequaliter quinquelobo filamentisque longioribus imis pilosis — In India orientali!
- 8 STR RUGOSUS Wight 1 c tab 1619 — Fruticosus erectus ramosus ramulis parce pubescentibus tetragonis sulcatis angulis obtusis, ramis adultioribus glabris, folis late ovatis acuminate grosse crenato-serratis in petiolo decurrentibus rugosis, utrinque hirsutis, spicis globosis axillaribus simplicibus compositisque, compositarum pedunculatis trifidis vel subinde bis trifidis, bracteis inferioribus remotis sterilibus reflexis, omnibus obovatis, supra rotundatis glabris, bracteis nullis, calycis lobis lanceolatis subcuneatis, corolla bracteis excedente, capsula tetrasperma, semibus duobus superioribus interdum abortientibus — Habitat in India orientali (Conoor, Neilgherria)
- 9 STR MICROSTACHYUS Dunal Flora (0 Z) XXXII 55? f — Herbaceus caule quadrangulo velutino-scabro, folis oblongis acuminate, basi in petiolo longe angustatis repando-subdentatis supra scabris, subtus pilosis bracteisque glanduloso-punctatis, pedunculis axillaribus terminalibusque ancipilibus, spicis breviter ovatis bracteis ovatis late petiolaribus apice squarrosis palentibus hirsutis, calyce hirsuto corolla 3—4-plo brevior — Crescit in campis aridis Indiae orientalis prope Mangalore*
- 10 STR IXTOCEPHALUS Benth 1 c f — Caule glabro vel ciliato, foliis oblongis acuminate undulato-crenatis, basi in petiolo longe angustatis, utrinque lineolato-scabris, spicis ovatis erectis subcorymbosis viscosissimis imbricatis, bracteis superioribus late ovatis hinc inde breviter acuminate, corolla duplo brevioribus — Habitu 6 folis *Sti scabra* affinis — Crescit in India orientali prope Malasarnudra
- 11 STR WARRENSIS Dalzell in Hook Kew Gard Misc II 341 f — Caula suffruticosa dichotome ramosa nodosa glabra, obtuse tetragona bisulcata, folis oblongis acuminate, basi in petiolo longe decurrentibus utrinque glabris subconatis, margine repando-denticulatis, supra confertim lineolatis, spicis in axillis oppositis pedunculate simplicibus solitaris cernuis, pedunculis medio gemculatis, ad nodum bracteis, sicut* minibus monadelphis exsertis, rudimento filamentis quinti — Folia 6—7-pollicaria, ^ poll lata — In India orientali in regno Warrensi habitat

- 12 STR TETRAPTERUS Dalzell in Hook I c 342 f — Fruticosus subscandens glaber folns ovalibus, apice breviter icuminatis, basi in petiolum caulemque secus decurrentibus crenatis conatis supra nitidis, spicis axillaribus oppositis et lenninnlibu* solitarns pedunculatis, bracteis heibaceis rhombico-cuneatis longe cuspidato-mucronatis abatis, corollas bilabntio laciniis superionibus altius conjunctis reflexis — Folia 9—10 poll longa 3 poll lata — Habitat in India orientali in regno Wincensi
- 13 STR LACTATUS Hook Bot Mag tab 4366 f — Van Houtte, Flore des seires IV lab 346 — Suffruticosus raris obtuse tetragomis subteretibus, folns ovatis acuminatis basi acutis breviter petiolatis integerrimis glabris medio per totam suam longiudinem albicantibus, pedunculis solitarns axillaribus vel terminalibus subbifloris bibrjcleatis, bracteis foliaceis, corollae pallido purpureo - albae limbo plicato, filamentis liberis — *Huellta grandis* Hortul — Habitat in India orientali!

t Icones addendae.

- STR PERROTETIANUS N ab E in DC I c 179 no 8 — Wght Icon pi Ind or IV tab 1513
- STR SESSILIS N ab E in DC I c 177 no 1 — Wght I c tab 1511
- STR WIGHTIANUS Wght (") — N ab E in DC I c 180 no 11 — Wght I c tab 1514

XLIII BCTERAEA N ab E.

(N ab E in DC Prodr XI 196)

- B RHAMNIFOLIA N ab E in DC I c 7 & no 2 = CNDOPOGON RHAMNIFOLIUS Wght

XLVIII STJEI?IOJVCAL1YTHUS N ab E

(N ab E in DC Prodr XI 205)

- 1 *S<r. MACROPHYLLUS N ab E in DC I c no 1 - Hook Bot Mag tab 4448

XLIX PAUTIO - WIIiHBIIiniJk Hochst.

(N ab E in DC Prodr XI 208)

- 1 P POLYSPERMA Bnth in Hook Niger Flora 479 f — faule glabrusculo, folns ovatis acuminatis eroso-dentatis, basi cuneatis villosis, capsulis 8—10-spermis — Crescit in montibus Sugarloaf, in Sierra Leone

Tribus V. BARLERIEAE N ab E. m DC. 1. c. 222.

LIX BARLERIA Linn.

(N ab E in DC Prodr XI 223 ft 725 — Wlprs Annal I 540)

- 1 B INAEQUALIS Bntb Flora (B Z) XXXII 557 adn t — Inermis caule glabro, folns oblongo - ovalibus acutiusculis, summis breviter petiolatis selulosus glabrisve, spicis terminnlibus subcylindricis bracteoha linearibus calyce brevionibus calycibusque pubescenibus brevissime ciliatis, calycis laciniis majonibus ovalibus subaequalibus inte-

gis et integerrimis, corollae lacinia inferiore multo brevior — Crescit in India orientali prope Mitrata

- 1 D PUBIFLOKA Benth I c 558 adn f — Fruticosa» bracteis biacteolisque stenilibus spinosis, bractus fci lilibus subulno-spinoscentibus, foil is elliptico-oblongis, utnque angustis glabris vel supra scissis, lobus axillaris sessilibus vel terminalibus spicatis, calycis lacinis majoribus oblongo-lanceolatis acuminatis-spinoscentibus minute glanduloso-puberulis, corollae limbo latissimo, lacinia inferiore paulo brevior — Affinis quidem *D. Pnomli*, at distincta impinnis corolla bipollicari, extus puberula, faucibus amplis, limbi lobis laevibus 9 longis — Crescit in India orientali
- 3 D GIBSONI Dalzell in Hook Kew gard misc II 339 f — Suffruticosa diandra, tola glaberrima laminiibus ellipticis 3 nervis squamiformibus, foliis ellipticis utnque integerrimis, subtus glaucis, margine serratis minutis ciliolatis, floribus spicatis, spicis terminalibus bracteatis solitatis, bracteis parvis foliaceis anguste ovatis obtuse acuminatis, bracteolis lacinibus acutis, calycis lacinis majoribus ovalibus subaequalibus integerrimis — Folia 4—7 poll longa, 1/2—3 poll lata — Habitat in India orientali
- 4 H GRANDIFLORA Dalzell I c f - Caule fruticoso, foliis ellipticis acuminatis, basi in petiolum semipollicarem alienantibus, superioribus subsessilibus, utnque glabris, margine ciliolatis, lobus in axillis oppositis solitatis breve pedicellatis, bracteis in pedicelli medio internis bicoloribus subulatis, calycis lacinis majoribus nequalibus ovatis acutis herbaceis glabris pilinatis 10—Umbellatus, inferiore apice interdum bidenticulata, lacinis minoribus angustis subulatis duplo brevioribus, siliqua baccarum immixtis anamictis, ludimeno quinque — tola 5—6-pollicaria, 1/2—2 poll lata — In India orientali montibus Sikkim
- 5 GULINZII Sondai, Linnæa XXIII 91 -f — (aule cincto herbaceo tereti substernoso, folis petiolaribus ovalibus nervis adpressis pilosis, pedunculis axillaribus terminalibus, bracteis linearibus subulatis integerrimis ciliatis, calycis lacinis majoribus subaequalibus todati - ovatis acutis spinuloso - ciliatis leuculato - nevisis, interioribus minutis lanceolatis integerrimis, corolla infundibuliformi calycem subduplo superante, staminibus perfectis duobus — Fort Natal

t Iconea addendae.

- U CUURTALLICA N ab L in DC I c 226 no 13 — Wight Icon plant Ind of* IV tab 1519
- H HOCUS ILTTLRI IN ab L in DC I c 231 no 9. — Wight I c tab 1529
- U HNVOLU(RATA N ab C in DC I c Wight no 31 — Wight Illustr of Ind bot II tab 164

LXII MUBAC11VTHIJ8 N. ab E.

(N ab E in DC Prodi XI 248)

- 1 N LOWH Wight Icon plant Ind or IV lib 1532 — Fruticosus lamis (erectibus glabris multilobis, foliis sessilibus subcordato-ovatis obtusis vel in acumen biternis utnque desinentibus rugobulatis, albidis infra, spicis sessilibus capitulatis axillaribus copiose pubescentibus, bracteis magis suborbiculatis ciliatis subaequalibus, bracteolis nullis, calyce profunde bilabiali, labio superiore bifido, inferiore trifido, lobis lanceolatis, corolla subiegulari obscure bilabia (aesiivatione plicata) quinque-dentata, dentibus apice petiolaribus pilosis, staminibus 4 inclusis pilosis, antheris bilocularibus, loculo alio staminum breviorum stili divaricato clavato, capsula tetrasperma — In India orientali (ad Bombaj)

- 2 N TRINERVIUS Wght I c tab 1532 — Fruticosus ramis teretibus glabris midisque, foliis breviter petiolatis subobovatis mucronatis glabris, spicis axillaribus secundis densis, terminali folia subacquantia, bracteis ovatis acutis connatis ngide 3 — 5-nervis dense lvs & utis, bracteolii* nullis, calyce subbilabiali, lobis lanceolatis pubescentibus, corolla subbilabiata obsolete quinqueloba, lobis penicillato-pilosis, staminibus 4, filamentis longioribus pilosis, antheris hiloculatis, loculo altero filamentorum breviorum stent divancato, ovario biloculan, loculis bigeminatis — Habitat in India orientali (ad Bombay)
- 3 N SPHIAEROSTACHYUS Dalzell in Hook Kew gard misc II 140 f — L radice petioli caulibus plurimis erectis simplicibus obtuse quadrangulatis pubescenti-scabris, lvs oppositis oblongis, basi truncatis vel subcordatis, apice obtusis, utrinque pubescenti-scabris, subtus pallidis, spicis in axillis oppositis sessilibus capitato-congestis globose, dense sericeo-tomentosis, post anthesin valde crescentibus, bracteis orbiculatis repente acuminatis coloratis 5—7-nervis reticulato-venosis, calyce paulo longioribus, calycis labio superiore oblongo 3-dentato, 3-nervio, inferiore profunde bifido, lacinis lanceolatis uninerviis, omnibus reticulato-venosis, corollae tubo gracili cylindrico calycem aequante, limbo integro ventricoso rotato-cylindrico — Folia 4 poll longa, 2 poll lata — Habitat in India orientali distincte utroque Goncano

LXIII LEPIDAGATHIS Willd.

(N ab E in DC Prodr XI 294)

- 1 L NERVOSA Wght Icon plant Ind or IV tab 1620 — Herbacea diffuse glabra foliis ovato-oblongis, apicem versus attenuatis, in petiolum decurrentibus, crenato-serialis macqualibus, spicis terminalibus semel v bis inchoatis, contractis in capitulum, bracteis bracteolisque scauosis glandulosis, bracteis ellipticis obtusis quinquenervis, nervis duobus exterioribus marginalibus, bracteolis aequalibus bracteis aequantibus trinervis, calycis lobo postea reliquis multo latiori, trinervio, intermedio duobus aequante subulatis, antheris lanceolatis, corolla (sic) calycem superante — Habitat in Zeylana
- 2 L LONGIFOLIA Wght 1 c tab 1564 — Herbacea erecta ramis teretibus obtusis, foliis ellipticis, utrinque acutis vel longe lineari-lanceolatis acuminatis integerrimis, spicis axillaribus terminalibusque laxis ascendentibus vel interdum nutantibus, bracteis dorso uniseriatis bracteolisque duabus inaequalibus calycibusque viscido-pubescentibus, calycis lobo postea duobus anterioribus cuspidatis latiori, lateralibus duobus lineari-subulatis, antherarum loculis calcaratis — In peninsula Malaccensi
- 3 L GRANOIFLORA Dalzell in Hook Kew gard misc II 138 f — Caule erecto suffruticoso quadrangulo glabro, foliis integris ovatis acuminatis glabris, in petiolum bipollicarem attenuatis, utraque pagina densissime lineolatis, spicis axillaribus et terminalibus simplicibus vel trifidis longis gracilibus dense lanatis, bracteis, bracteolis calycisque lacinia superiore obtusis conformibus trincivis reticulato-venosis lanatis, calycis lacinia inferiore bipartita, segmentis lineari-lanceolatis, lacinis duabus lateralibus subulatis, corolla profunde bilabiata, labio superiore bifido, inferiore amplo trifido, palato convexo transversim plicato, medio canaliculato, lineis duabus pilosis longitudinaliter decurrentibus, antheris basi divergentibus, stigma acuto, capsula calyce paulo longiore subpollicari 4-sperma, semibus 2 inferioribus abortivis, superioribus compressis, testa fusca pilosa — Habitat in India orientali montibus Syhadro
- 4 1 PROSTRATA Dalzell in Hook 1 c f — Caple frutescente terete laticauli flexuoso obtuse tetragono glabro, ramis junioribus molliter tomentosis, foliis oppositis sessilibus oppositis interdum ternis ellipticis spinoso-mucronatis, junioribus utrinque tomentosis, bracteis, bracteolis calycisque 5-partiti lacinis lanceolatis spinoso-mucronatis, spicis

- raro axillanbus, frequenlius in ramis brevibus adscendentibus terminalibus simplicibus — Folia 7 lin longo, 5 lin lata — Habitat in Indiae orientalis prov Main an
- 5 L LUTEA Dalzell 1 c 139 f — Caulibus crebrius erectis filiformibus e basi duotomo - ramosis glutino - lomentosis, foliis linearibus complicatis tenuibus, supra minuto imbricatis luscidulis, subius glabris, spicis circa rudicem glomeratis pilis glanduliferis velutino - lomentosis, bicoloris ovali - orbiculatis longissime cuspidatis - mucronatis, bicoloris orbiculatis ovatis mucronatis, calycis subaequalis tomentosi laciniatis et postea ilicibus - unguibus mucronatis - acuminatis, laciniis linearibus — Folia bipollicaria, fere 2 lin lata. — Habitat in India orientali in rupibus prov Malwan
- 6 S CLAVATA Dalzell in Hook 1 c 340 f — Caulibus o radice lignosa pluribus adscendentibus simplicibus obtuse tomentosis glabris, basi nudis, spicis terminalibus solidius simplicibus oblongis tetragonis, foliis paucis sessilibus ovatis - acuminatis spinosomucronatis glabris integris coriaceis rigidis, bracteis 5-nerviis dense quadrifloris imbricatis, foliis confertis utrinque cum bracteolis calyceque scenceo - tomentosis — Folia 8—9 lin longa, 4 lin lata — Habitat in Indiae orientalis montibus Syhadree
- 7 L GOENSIS Dalzell 1 c f — Caule herbaceo gemulato dichotomo diffuso, foliis late ovatis acutis repando - dentatis molliter pubescentibus, spicis terminalibus in pedunculis bicoloribus congestis laxis paucifloris, bracteis commixtis late ovalibus obtusiusculis bracteolisque linearibus calycisque laciniis dense glanduloso - pubescentibus — Folia 1.5—2 poll longa, 10—12 lin lata — Habitat in Indiae orientalis prov Goa
- 8 L RIGIDA Dalzell 1 c 341 f — Caulis erecto suffruticoso obtuse tetragono, pilis mollibus patulis villosis, foliis linearibus lanceolatis, basi longe attenuate complicatis, utrinque glanduloso - pubescentibus, spicis in ramulis brevibus terminalibus cylindricis 1—1.5 poll longis, basi compositis glanduloso - pubescentibus, bracteis linearibus subulatis, bracteolis linearibus acutis, calycis 4-lobi lacina dorsali oblonga acuta 3-nerviis, antheris infra medium bifidis, laciniis subulatis, omnibus spinuloso - mucronatis — Folia 3—4 poll longa, 3—7 lin lata — Habitat in India orientali in montibus Syhadree

t Icon addends.

- L WALKERIANA N ab E in DC 1 c 260 no 38 — Wght Icon plant Ind or IV tab 1530

LX. AETHELLEMA R. Br.

(N ab E in DC Prodr XI 261 ff 726)

- 1 AE MICRANTHA Benth in Hooker, Niger Flora 480 f — Caulis flexuoso ramoso, patentibus pilosus, foliis cujusve pans valde inaequalibus, majoribus petiolatis ovatis oblongis, basi inaequaliter angustatis, foliis axillanibus 1—3 confertis, calycis lacina superiore ovata vel oblonga acuta membranacea ciliata — Crescit in insula St Thomas ad oram Africae tropicae occidentalis

t Icon Addenda.

- AE RENIFORME N ab E in DC I. 1 c c no 1 — Wght Icon plant. Ind or IV. tab 1533

LXVI. THEIIOSTACHYA N. ab E.

(N ab E in DC Prodr XI 262 a 726)

- 1 T HYSSOPIFOLIA Dnib. in Hooker, Niger Flora 481 f — Humilis, pilis raris stngillosa vel glabrata folns oblongo - lanceolatis angustis breviter petiolatis, spicis brevibus densis, calyci9 lacina aupenore lanceolata, capsula cahcebreiore — Crescit in Sierra Leone

Tnbus VI. ACANTHEAE N. ab E in DC I. c 264.**LXVII. BLI3PHARIS Juts**

(N ab C in DC XI 265)

- 1 * BL ASPERRIMA N ab E in DC I c 2b? no 6 - Wght Icon plant Ind or IV tab 1534

LXIX. ACANTHUS Linn

(N ab E in DC Prodr XI 269)

- 1 A SYRIACUS Doiss Diagnos plant orient nov XI p 135 — Folns secus costas et nervos brevissime pnpilloso - puberculis lanceolatis elongalis, basi in petiolum brevem sensim auemaiis, fere ad basin usque pinnatipartius, lacinnis triangulan - lanceolatis, margine et dpice in spmas flavidas validas abeuntibus, caule brevi folia 1—3 radicalibus similia ferenti, spica compacta sub antbesi ovata, dein cylindnca folns vix longion brevissime puberula, bractea antenoie ampla, margimbus ciliatula, caeterum glabra ovaio - oblonga conacea, elevatim 8—10-nervia, inter nervos reticulata, utroque margine in 4—5 spinas subulatas abeunti, apice subrecurvo pntulo in spinam lanceolata m, alus latiore validioreque attenuato; bracteis laterahbus lineailbus spinosis hirtulis, bractea interiori corolhque brevionbus, calycia lacinnis intnonbus occultatis ovaio - rotundis sessilibus, margine ciliatis lepondo-denticulatis, extenonbus maximis fohaceis, margine et ad nervos pubequis oblongo ^gpathulatis, superior! angnste denticulata, inferioubiflda, lobis spinulosis, corolla lutesceotiglabemma triloba, lobis rotundaus, anthers copiose albo - barbatis — Crescit in Galilaea circa Nazareth et Banes, in lota Coelesyna infenon ad radices Antilibani, in Mesopotamia inter Orfa et Suerek

LXXI. ACAIVTHOMUME Dehle.

(N ab E in DC Prodr XI 273)

- 1 ' A GROSSUM N ab E in DC I c 274 no 3 — Wght Icon pi Ind oriental IV tab 1535 1536

Tribus VIII *GENDARUSSEAE* N. ab E. in DC 1 c 303CI *THYRSACANTHIJS* N ab E.

(N ab E in DC Prodr XI 323 ft 729)

- 1 * *TH BRACTEOLATUS* N nb E in DC I c 325 no 1f — Hook Dot Magaz tab 4441
 2 • *TH STRICTUS* N ab E in DC I c 324 no 6 — Hook I c tab 4378

CIII *CIRTAOTHERA* N ab E

(N ab E in DC Prodr XI 328 ft 729)

- 1 *C CATALPAEFOMA* Hook Dot Magaz tab 4444 f — Morren, Ann de soc d'agricult de Gand V 207 tab 257 — Caulo firmo erecto tetragono, foliis sublonge petiolatis late cordatis acumatis integerrimis, basi truncatis, floralibus ovatis, basi petiolum brevem attenuatis, thyrso nullo ovato compacto, bracteis sepalisque linearisubulatis, florum flavis — *Cyclanthea taluyaefolia* N nb E mss — Honduras
 2 *C AURANTIACA* Hook Dot Magaz t 4468 f — Fruticosa erecta cune acute tetragono, foliis late seu elliptico-lanceolatis rigidiusculis*, in petiolum brevissimum attenuatis, thyrso (compacto ovato, floribus crectis flavo-aurantiis, bracteis ellipticis, bracteolis sepalisque lanceolatis pubescentibus, corollae labio superiore recto — *Calostylis awantiata* Mackenz mss — Habitat

CIV *RHYTHYIOSA* N. ab E.

(N ab E in DC Prodr XI 335 ft 370)

- 1 *RH ACUMINATISSIMA* Miqu Stirp Surinam select 1 & f — Frutescens lamulis obtusangulis undique ad duobus lateribus hirtello-pubescentibus, foliis longe petiolatis (amplis) elliptico-oblongis acute mucronatis, basi longe attenuatis, repandis membranaceis, supinis (pilis parvis adnatis) strobilatis glabris, subulis in costa numerosisque venis teneris biterminalibus, calycis lobis lanceolato-linearibus filiformi-attenuatis tunc puberulis semipollinibus, corolla bipollicina saturate rubra — Habitat in Surinam.

CXII *SERICOGRAPIIS* N. ab E

(N ab E in DC Prodr XI 360 ft 730)

- 1 * *S GHIESBREGTIANA* N ab E in DC 1 c 730 — Pazton, Magaz of bot XV 176 c ic — Van Houtte, Flore des serres IV tab 239 — Mill Journ or the hort. soc III 246 c ic

CXIII *HEMICHORISTE* N. ab E.

(N ab E in DC Prodr XI 367)

- 1 * *H MONTANA* N ab E. in DC 1 c no 1 — Wight Icon plant Ind. orient. IV tab 1538

CXVI ROSTELIARIA *Itchb*

(N ab E in DC Prodr XI 368)

- 1 R GRACILIS Wght Icon plant Ind or IV tab 1541 — Repens caulibus erecta ramosis glabra, foliis oblongis ovatis - lanceolatis utrinque acutis sessilibus integris, margine subrevolutis, spicis terminalibus bitubis, bracteis sublanceolatis subulato-acuminatis calyce longioribus, calyce quinquepartito, lacinus subulatis glabris - Habna in India orientali
- 2 R SIMPLEX Wght I c tab 1542 — Radicibus subrepentibus, caulibus erectis simplicibus tetragomis folisque subulatis adnatis dense rigideque setosopilosis, foliis oblongo-ovatis lanceolatis obtusis, supra glabris, lineolis multis transversis insirucis, spicis terminalibus longiusculis, bracteis calicem circiter aequantibus margine pectinato-setoso-ciliatis, costa infra setulis similibus instructa — In India orientali]
- 3 R PARVIFLORA Benth in Hooker, Niger Flora 481 f — Caule repente ramoso gracili, foliis ovatis petiolatis, supra scabrellis, spicis axillaribus pedunculatis secunda, folio brevioribus, bracteis obovato - orbiculatis membranaceis, calycibus quinquefidis, lacinia superiora multo breviora — Crescit in insula St Thomas ad oram Africae tropicae occidentalis
- 4 *R PROCUMDENS N ab E in DC I c 371 no 11 — Wght I c tab 1539
P *serpyllifolia* Dnhl Flora (D Z) XXXII 557 adn — Tota forma in India vulgaris minor, foliis fere orbiculatis, 3 — 4' longis, supra setulosis — Crescit prope Maogaron in India orientali

f Icon addends.

R HEDYOTIDIFOLIA N ab E in DC I c 370 no 9 — Wght I c tab 1540

CXVII EPTOSTACHYA *N. ab E*

(N ab E in DC Prodr XI 376 ff 790)

- * R WALLICHII N ab E in DC I c 379 no 9 — Wght Icon plant Ind or IV tab 1543

CXX ADIATODA *N ab E*

(N ab E in DC Prodr XI 384 ff 730)

- ¹ A (*Amblyanthus*) PAMCULATA Benth in Hooker, Niger Flora 482 f — Folii oblongo-elliptici glabris vel subtus ad venas pubescentibus, cymis laxis oppositis in paniculam pyramidatam dispositis, bracteis calycisque lacinus herbaceo oblongo-linearibus, antherarum loculis connectivo lato sejunctis subparallelis, inferioribus basi mucronato — Crescit in insula Fernando Po
- ² A (*Tyloglossa*) DIFFUSA Benth in Hooker I c 483 + — Caule elongato herbaceo diffuso ramoso piloso, foliis distantibus ovali-oblongis pilosis, lobis verticillato-subsemissis sessilibus, bracteis obovatis orbiculatisve ciliatis, bracteis paxillis, lacinus ca-

hum-, linoiri-lanceohtis subchatis capsulis glabns ralyce duplo longionbus — Habitat in insula Fernando Po

t Icones addendae.

- A NILGHLUIHt'A N ab L in I(1 (te<> no b — Wgbt Icon plant Ind or IV tab 1544
 A WYiNAADCNSIS N ab L m DC I t 4% no ft* — Wghl I c lib 1545

(XXIV. BEfiOPERONU A. ab E.

(N ab E in DC Prodi XI 413 8t 731)

- 1 li. SUKIN\MI rsSib Miqu Slnp Sunnaincns select 130 f— Ramuhs terelibus, ad no-> puiLOs contiattis, fulns bieviici pculatis elliptico-o\alis acuminaiis, utnque glabns >>d pilis admiis (aeque ac tami) <<liatis, secus mirgmes paitim pubcrulis, veins OUOMIS adscendentibus, memo trmmali sos>>ili uvaio biacleato, bracteis bia-ctoolisque spalhulatis cum calycis Ins bieviout. lobis Innceolato - lineunbus s>tnolati> pain quo jtlobib, cololKi iusn, praseiuii tubo paicc pubciula, cap^ula ad medium coinpica, *sipoine ellipioidea atula, \al\Js doibo longiludinalilei sulcalis cl sublo-ISIS pubciulis — Sunnam

Tnbus IX ERANTUEMEEAE N. ab E. in DC. 1 c. 425.

CXXI JUSTICIA N ab E. (Linn.)

(N ab I in DC Piodi X4 426 a 731 — Wlpi* Annal I 541)

- 1 *J LIVIDA Uamilt — N ab E in DC I. c 427 no 8 — Wgbt Icon pi Ind oi IV tab 154b

CXXX KRAXTHGAIUifi: Linn.

(N ab E in DC Piodi XI 4^5 — Wlpis Anna! J. 541)

- 1 L PHACCOX Until Plain ll.iriw 291 no 1614 — Hcibaceum *humile* (pei *anthesm* aphjllumO spica leiminali bievi paiddloia biacteis^xato-lanceolatis calyce brevionbus, cnluis villosi lacinns linonn-laiiLcolatis, corollac lubo longo gracili, limbo regulan, stamibus 2 ieinlibus slcnliumque ludimentis tubo mclusis. — Radix perennis, iibus jtiucis cinssis. (aules toncies crecti, 3—4 - pollicares linea pilosa a foliorum cicaiicibus (vel i udnunniis ') decuncnic nolali, in specimibus inspectis aphylli, sed nodi dil.it.iti osiondunl cicaincet> folioium delapsoium (vel ludimenta minima foliorum non evoluioium') Ad apicem caulis adsunt paria 1—2 fat>uculoruin oppositorum, quuiuin binguli 1—3-(ion Uicteac membranaceae ad margmes ciliolatae, caeterum glabiac (al\X scssilis quinquepaiuius, lacinus IV2 lin longis Coiolla losea glabra, tubo 10 lin longo giacili, &upia stamium inseitionem paulo dilatato, limbi lacimae fere acqualcs bonzontaliler pateuies oblongac, 6 lin longae, feie 3 lin latae, 2 supenoies dCbt\aljone (\iouoies Stamina supia medium lubi inseita, flamenla feillium bievia, antherae linnenics, loculis paiddluli* coniigui^, uno altero paululum brevioio, steilia bievi^sima, lilainciilis foiiiluim ba^i adnala Ovarium oblongum, loculis biovulatis blyli lobus infonoi dilalatus — Specle^ L *alalo* subafflm*, coiolla rosea vincoidea, quapropter specimmi incaute inter *Apocynaceas* collocata ex illis ad monogiaphum *Acanthaccarum* anno 1845 mis&is omissa — Ciescil in Sanld Rosa prope Guinajuato in Mexico •

CXXXIII* ? IJIVOSTYXIS *hizl mss*

(Genus mihi prorsus incognitum)

- 1 L OVATA Sonder, Linnaea XXIII 94 f — Chule prostiatio telragono lamisque ascendennbus glabus, loins brevissime petiolatis o\itis \cl ohlongo - ovaus glabus, cjmulis uxilldiibus sub-5-lions folns bievionbus, c<lycis lacinns subuhtis ciliohtis, toiolla infundibulifoimi, limbo Inlabidto, btaminibu* 4 duhnamis slylo pubcrulo, capsula linean-clavnta acun calycem superante, scminibus 4ovalis, basi truncatis — Poit Natal

Tnbus X. DICLIPTEREA N. ab E m DC 1 c 463

CXWVII. RimrOIA N. ab E

(N ab E in DC Prodr XI 469)

- 1 R ARNOTTIANA Wght Icon plant Ind or IV lab 1550 — Fruticosa erecta glabia ramis teretibus, folus late ellipticis, utnque attenuate in petiolum longum indequ nlatum decumentibns, parnculis torminalibus compaclis, iunits infldis, spitis brevibus donsis, bt octets oboiatis, marginc |i| membranaccis, puberulis, biacteolis ovalibus mucronatis byalims, caljte subvillosa, lobo postenon paulo Ittioii, corollae Jnbio suptiion inttgro acuto — Habitat in India onontali (Courlallum)

f Icones addendae.

- R LATIOR N ab E in DC I c 472 no 10 - Wght I c tab 1518
 R PECTINATA N ab E in DC I c 470 no 3 - Wght I c tab 1547
 R WIGUTIAJSA N ab L in DC 1 c 472 no 11 — Wgbl I c t 1549

CXXXVIII DICLIPTERA *Juss*(N ab *h* in DC Piodr XI 473 tit 731)

- † D (*Sphcnobtegiae*) GLANDULOSA Scheele, Lmnaea XXI 765 f — Caulis herbaceus sexangulans villosus brachialo - ranaosissimus Folia opposite in petiolum longum cu> neato-aiicnuata ovato-oblongi p^ininervia obsolete repnnda ciliaia, apiccm vcisus attenuata mucronulaln subtus, praesctim ad coslam ncivosque appresse pilosa, pogina supenon (flavescenli-)picta, pagma infciori glanduloso - punctata, glandulao magnaе atrosangmneae subrotundae Petioli angulnli villosi Capitula pedunculata, brncteis mvolucralibus inclusa, in uinbellulas axillates et deiuque tciinmales nabolladm disposua, basi folus minimis longe petiolatis suffulta Peduncuh villosi petiolo breviores Umbellae axillares plcitimque opposnae tnfidae Dractea mvolucralos obovato-cuneatae trinemae villosae ciliotae, brevissime mucronulatae, cal}ce duplo vel plus duplo longiores Caljx uoqualis quinqueportitus in capiuulo bracteato SCSSIII, hciniac lancpolato - subulatae ciliatae Corolla resupinata bilabiata puipureo, labia aequilonga (obovato)-oblonga, labium supenus truncatum profunde trrcienatum, mferius cmaiginotum vel integrum, lubus corollinus b'racteaе aequans, labus bievior Stamina duo exsena oequalia Aniheiae biloculmes, loculis ottlicis, altero post altei urn posilo Stylus stamina aequaos pilosus rectum, pars stigmatosa clavato -inuassnta acutissime

emarginato-biloba Cap&ula ⁷ — Crescit in sylvis umbrosis ad ripas fluminum prop^o
Neubraunfels in Texade

t **Icones addendae.**

- D BIVALVIS Juss — N ab E in DC I c 475 no 9 — Wght Icon plant Ind or IV
tab 1541
D CUNEATA N ab E in DC. 1 c 481 no 35 — Wght 1 c tab 1551

CVI PERISTROPHE N. ab E

(N ab E in DC Prodr XI 492)

- 1 *P MONTANA N ab E in DC I c no 2 — Wght Icon plant Ind oriental IV
tab 1559

(ALII RHAPHIDOSPORA iv. ab E.

(N ab E in DC Prodr XI 499)

- 1 *RH GLABRA N ab E in DC I c no 2 — Wght Icon plant Ind oriental. IV
tab 1554

CXIV. HYPOESTES R. Br.

(N ab E in DC Prodr XI 501)

- 1 II ADOENSIS Hochst mss in A Richard, Tent flor Abyss II 162 — Caule eiecto
ramoso, obsolete quadrangulari hirtello, foliis longe petiolatis parvulis ovalibus, apice
subobtusis non acuminatis basique obtusis, margine subrepando - sinuosis, utrinque
hirtellis, pedunculis axillaribus rectis, apice cymoso-3—5-floris, ad basin cymae
bracteis bimis foliaceis obovatis - oblongis, basi attenuatis et subpetiolatis hirtis-scabris,
involucro prope folios obovatis-oblongis spatulatis obtusissimis, externe pilosis, ca-
lyctis hinc lanceolatis acutis involucri fere aequantibus, corollae semiuncialis tubo
gracili, capsula hirtella acuta — Habitat in Abyssinia circa Adoua
- 2 H I ANATA Planch in Hook Kew gard misc II 343 f — Suffruticosa caule glabro
gemmato ascendente, foliis lanceolatis acuminatis integris, supra parce hispidulis,
subtus glabris, margine ciliolatis, inflorescentia axillari terminalique foliosa tricho-
tomo - spicata lanata - tomentosa, capitulis uni — bi- vel trifloris in foliorum floralium
axillis oppositis saepe sessilibus vel in apice ramuli brevis terms capitato-congestis,
involucro communi diphylo, foliolis linearibus subaequalibus oppositis plants, ima
basi connatis glanduloso - pubescentibus calyce duplo longioribus, involucro partiali
(sub quoque calyce) diphylo, foliolis subulatis calyce paulo longioribus — Folia
4-5-pollicaria, 2—272 poll lata — Habitat in Indiae orientalis districtu Concano
- 3 H MALACCENSIS Wght Icon plant Ind or IV tab 1555 — Herbacea eiecta cau-
libus teretibus, foliis lineari-lanceolatis acuminatis subvelutinis, basi acutis >
spicis bievibus subcapitatis axillaribus ternariis, axillaribus breviter peduncu-
latis hinc inde solitariis axillaribus, bracteis lanceolatis quam tubus invo-
lucris velutino - viscidis unifloris brevioribus, involucri foliolis infra cohaerentibus, inten-
tionibus angustioribus, omnibus lanceolatis, calyce quinquefolio involucri tubum subae-
quante, corollae labio superioris minus excedente, acuto vel bidentato, stigmatibus
divisibus — Habitat in peninsula Indiae orientalis Malaccensi

Tribus X. *ANDROGRAPHIDEAE* N. ab E. in DC. L c. 512.CXLVII. *HAPLAHTHUS* N. ab E.

(N. ab E. in DC. Prodr. XI. 512.)

1. *H. NEILGHERRENSIS* Wght. Icon, plant. Ind. or. IV, tab. 1556. — Herbaceus ramosus declinatus: ramis axillaribus oppositis quam folia brevioribus; floribus racemosis ad apices caulis ramorumque; foliis hispidis elliptico-oblongis acuminatis longQ petiolatis, potioli alalis; floribus oppositis ex axilla folii minuti ortis; calyce quinquepartito parvo bracteisque numerosw setaceo - hispidis; bracteis linearibus apice 2—3-dentatis; antheris bilocularibus, loculis polliniferis, dorso pubescentiae lanatae fasciculo denso instructis. — Habitat in India orientali (Neilgherries).

CXLVIII. *ERIAANTHERA* Wall.

(N. ab E. in DC. Prodr. XI. 514.)

- E. *LOBELIOIDES* N. ab E. in DC. 1. c. no. 2. = *ANDROGRAPHIS LOBELIOIDES* Wght.

CXLIX. *ANDROGRAPHIS* Wall.

(N. ab E. in DC. Prodr. XI. 515.)

1. *A. NEESIANA* Wght. Icon, plant. Ind. or. IV. tab. 1561. — Herbacea erect*: caulibus subsimplicibus acute tetragonis glabris (exceptis nodis qui pilorum fuscorum annulo notantur); foliis hirsutis elliptico-oblongis, utrinque aculis, breviter petiolatis; paniculis terminalibus contraclis, ramis trifidis; calycibus corullisque glanduloso-pubescentibus; capsulis linearibus hirsutis circiter 8-spermis. — Habitat in India orientali (M'Pulney mountains").
3. 'A. (ERIANATHERA N. ab E. in DC. 1. c. 514. DO. 2.) *LOBELIOIDES* Wght. I. c. t. 1557.

+ *Ioones addenda**.

- A. *CEYLANICA* N. ab E. in DC. I. c. 518. no. 9. — Wght. I. c. lab. 1560.
 A. *VISCOSULA* N. ab E. in DC. I. c. 517. no. 8. - Wght. I. c. lab. 1558.
 A. *WIGHTIANA* N. ab E. in DC. 1. c. no. 6. — Wght. I. c. lab. 1559.

Ordo CLXII. PHRTHAGEAE *J c Schauer*

(I (Schouei in DC Prodr YI 520)

1^a **MELANANTHUS** *Wlprs*

(Wlprs in Schlichtd Dot 7tng VHI 788)

Calyx campanuldtus aequaliler quinquelobus, lacinus lanceolatis acutis. Coiolla lubuloso-filifoimis, limbo vix amphato erecto, brevissime et obtusiuscule qumquedenticuJato, inter dentes plicato. Stamina quatuor didynama, corollae lubo piope basin inserta, inclusa Filamenta fihfoimia libera, basi subtilissime pubeiula, supenoia longiora. Antherae ovaes biloculaies. Ovanum superum ovato-lanceolatura minimum glabium umloculaio. fiemmula umca pi'ope basin angulo suptiion peltjtum affi'a oithotropa ovata acummata, nnciopyle supera. Stylus lihioinns glabei longitudine Lubi corollini, stigma simplex capitellatum Amphispeimium (?) siccum ccostdtum ovali-pyramidatum subrostriatum, caljce peisilente suffultum umloculaie monospeimum. Semen (inaluriin a me non wsum) o^ale acummatuin non albuminosum, ladicula supcia, col^ltdonibus . . . ' — Iiuliculus Biasiliensis *erbenae aspeiat* Oil] *U* Hook, vel *bipytenae glabetrnmae* Hook habitum releiens, fflabtr. lamis vngatis, loins lincanbus obtusiusculus, inlftionbus fasciculatis, supenonbus sparsis, racemis teiminalibus slnclis multillons, fionbus bievissime pedicellatis, infeiiioibus terms bimsve aggre^alis, supenonbus solitarns in axilla biacteeae foliaceae, corollis mgi ican li - coci uleis.

- 1 M DIPYRLNOIDCS Wlpris 1 cit 789 — Fruticulus plunpednlis (?), ramivugati stncti, jumores tenuissimo adpressequ pubuuli, apico in racemum longum laxissimuin abeuntos. Fol/a in ramorum parte inferiore approximata fjscieulala, lincan - cuneata obtusissima vel lanus acuta, cnervia canosula glabia, 1/2—5 Jin longa, 'A—1 lin lata, intcgeinma, maigino icvolula. Folia supenora minus lasciculala, tandem sparsa solitana, in biactcas lloium tbcunlia. Racomi somipedales vel longiores laxissime multiton, rliacbis tenmssimc adpicseque tiienii -puberula. Floros mfenores term geminive fasciculati supcuoics solilrn, brevit>sime pedicellati, subsessiles. Bracteeae squamae formes foliaceae lincnies. aculae, ptdictlluni paruin supcrantes. Calyx lineam longus campanul uus, aequdlilci et prolunde quinquelfldus, lacinns lanccolotis acutisimis, glabei vmdis. Coiolla lubulo&a - flifoimiM lecta tres Jineas longa, limbo erecto paium ninphato, bievissimc et oblusiuatlc quinquedenticulato, inter denticulos longitudinalitLr biplitato. Toll corolla pulcheinm nigoscenti - coerulea glabrura. Stamina longiora longiludinc fere tubi corollini. Amphispermium — immaturum a me vij>um — ovili - conicnm, n calyce huirultum coqucdmiidiolongius, elm lateum glabei - rimum ccoslatum monusptimum. Scintn umcum [immaluiuin obsenilum] non albuminosum, raJicula supeia mstiuclnm vidi. Floicl Tebrunno — Ciescit in Brasilia simul cum *Miaulicia a iconic m* suinnus saxib propc Caporobonam supra „Lagoa de Treitas”¹¹

Ordo CLXIII. VERBENACEAE *Juss*

(*J C Schauer in DC Prodr XI 522 — Wlprs Annal I 542 [Wlprs Reperit IV 3—134 & VI 686]*)

Tribus I *VERBENACEAE* Schauer in DC 1 c. 525

HI *CASSEXIA* *N ab E Sf Mart*

(*Schauci in DC Prodr M 527 — [Wlpris Reperit IV 39]*)

1 ' C *INTEGRIFOLIA* Nees fit Mart - Schauer in DC 1 c no 1 — *Paxl Mag of bot XV 75 c ic — V-m Houtle, Hore des seires IV tab 361*

Va **PHYSOPSIS** *Turcz*

(*Turczan Birllet de la soc des nalur'de Mosc XXII II 34*)

Calyx infundibuliformis breviter quadridentatus, extus lana densissima detergibili inaequaliter lobatus. Corolla hypocrateriformis glabra, tubo incluso, limbo aequaliter quadricido. Stamina quatuor didynamia inclusa, antheris subsessilibus ovoidibus bilocularibus, longitudinaliter deluscentibus. Ovarium stipitibus breviter incrassato insitens quadriculare quadricellulare. Stylus filiformis, stigmate minuto capitellato. — Frutex ramosus: ramis stellato-tomentosis cinereis, foliis brevissime petiolatis oppositis oblongo-ellipticis obtusis, margine levolutis, subtus albotomentosus, spicis terminalibus, foliis sessilibus confertis, primo ad aspectum propter Janam undique patentem vesiculiformibus bracteatis, corollis in sicco ilavescentibus, extra calicem exsertis.

¹ * *PH SPICATA* Turczan I c — Habitat in Nova Hollandia

IX. *VERBENA* *Linn.*

(*Schauer in DC Prodr XI 535 — Wlpris Anna! I 542 [Wlpris Reperit IV 13 VI 686]*)

¹ V *ROEMERIANA* Scheele, *Linnaei XXI 755 f* — Canescenti hirsuta radix horizontalis fusiformis multicaulis. Caules herbacei stricti apice compositi tetraedrici sulcati pilis albis hori7onlateraliter patentibus hirsuti ramosi, rami erecti. Folia lineari-vel oblongo-lanceolata acuta imbricatis irregulariter et profunde inciso-dentata, basi versus integras, longe cuneata, basi simplicicaulis, utraque rugosa strobiloso-hirsuta, pilis tuberculatis insidentibus, dentes patentibus acuti. Flores parvi spicati, spicae terminales subternatae filiformes elongatae cylindricae strobilatae confertiflorae canescenti-lutescentibus. Bractae lanceolato-subulatae ciliatae, calicem superantes. Calicis dentes e basi ovata subulata mucronati. Corolla involucratim coerulea, tubus vix minus puberulus sursum sensim amplius, calice duplo longior, limbi lacinae emarginatae

Connectivum antiferarum superiorum inappendiculatum muticum Capsula calyce inclusa tetracocci, cocci cjlmdnci, dorso transverse exsculpto-areolati, commissura aluticeo - granulate — Crescit in Texide prope Neubraunfels

- 2 V PSLUDO-JUNCEA Gov, Historn de Chile (Cot) V 19 f — Tola denudata, specie subaphylla ramosa ramiaque subconfertis elongaus erecjs junceis, inferioribus subtragoms striatis, supremis tertibus fhtulosis sublaevigatis, folns oppositis remotissimis minutis spathulais basjqc attenuata sessilibus iniegns tnfldisve vel pinnotifldis, lobo medio ampliore, spicis termnlibus solitrns termsve media sessili, densiflons pubescentibus — Habitat in Chile

t Icones addendae.

V I INDLFYANA Paxton Magaz of bot XIV 5 (absq diagn — Spec hybrid ??)

V TRIFIDA Knth — Schauci in DC I L 539 no 14 — Pax I ft Lindl Flow gard I 169 fff 107

X BOUCHEA Cham

(Schauer in DC Prodr X 557 — [Wlprs Repert IV 11])

- 1 B (*Rhagocaimm*) HEDFRACFUM Sonder I innaea XXIII 36 f — Suffruticosa undique glanduloso - pubescens caulibus indivisis, folns oppositis remformibus, basi in petiolum brevem ingustatis dcntatis spicis terminnlibus olongaiis, bracteis lanceolatis icuminuti^ c ilyce subuhtos-5 dfnlato tnplu brevionbiis capsula oblusi calyce brevioro roccis semitreibus ^tnolatis ipice aicolatis lucidis — In Piomontono bonae spei (ad Magnlisberg)
- 2 B (seel >>>) COPIAPENSrs Gay, Ilislona de Chile (Bot) V 2b tab 55 f — Infeinc glabra ad summum puberula folns ovaiis vel ellipiico - ovatis, abrupte et longe petiohtis, apice obluso rotundatis, inacqualiter dontatis, deniibus mucronatls — Habitat in Chile

f Iconeg addendae*

B HYDEROBATENSIS Wlprs - Schauer m DC 1 c 559 no 7 - Wght Icon pi Ind or IV tab 1462

B MARRUBIFOLIA Schauer in DC I c 558 no 5 — Wght 1 c tab 1461

XII IiIPPIA linn

(Schauel in DC Prodr XI 572 — WJprs Annal I 543 -[Wlprs Report IV 42 VI 688])

- 1 L GRANDIFOLIA Hochst mss in A Richard, rentam flor Abyss II 167 — Ramis stnctis rectis obtuse hexagoms bipedalibus tuberculato - hispidis folns terms basi vix petiolaiis elhptico - oblongis aiu lanceolato - aculis, basi sensim attenuatis, margeme grosse senaiis, ntnnque hispidis aspens, capitulis globosis bievisime pedunculate, m axilla foliorum superiorum mimmorum soJitarns aut bims et inde racemura elongatum nudum giacilem distantiflorum consiluioulibus, bracieis ovali - oblongis longe acuminatis, undique imbnontis, flores npqunniibus, calyce corapresao lanato, corolla dimidio brevioro — Habitat in Abyssinia circa Adouam el ad latera montium versus vallem profundam Feurfeura
- 2 L SCABERRIMA Sonder, Linnaea XXIII 87 f — Fruticulosa erecta caule ramisque tetragoms striatis scabns folns oppositis anguste lanceolatis subacuminatis, basi I⁰ petiolum brevissimuro angustaiis, apice vel a medio serrulatis, supra impresso-, subtuo*

elevato - trinerviis, utrinque marginibusque scaberrimis; pedunculis axillaribus solitariis folium aequantibus scobris; capitulis ovoideis demum subcylindricis; bracteis imbricatis late ovatis cuapklatis 5-nerviis, corollam superantibus; capsulae obcordatae coccis secedentibus puberulis. — In Promontorio bonae spei (Sandrivier).

3. L. CAFFRA Sonder I. c. 88. f — Suffruticosa: ramis ramulisque teretibus villosopubescentibus; foliis oppositis petiolatis oblongo - ovatis aculis, basi obtusis, grosse denatis pubescemibus, subtus subincanis; pedunculis axillaribus solitariis folium subaequantibus villosissimis; copiulis subglobosis; bracteis herbaceis ovatis acuminatis, interioribus corolla subbrevioribus, exterioribus involucrantibus; calyce hirsulissimo tubo corollae multo brevior. — In Promontorio bonae spei (Aapaiesrivier).
4. L. TRIFIDA Gay, Historia de Chile (Botan.) V. 29. + — Pulverulenio-tomentosaflorescens intricato-ramosissima: ramisque brevibus tenuibus, demum denudatis; foliis deciduis minimis, sessilibus, trifloris vel tripartite, laciniis breviter linearibus, media productiore; spiels secus ramos terminales gracilibus subbrevibus; corollis minutis; calyce hispido lanato. — Habitat in Chile.

+ Icon addenda.

- L. NODIFLORA Rich. - Schauer in DC. 1. c. 585. no. 52. — Wght. Icon. pi. Ind. or. IV. tab. 1463.

XIII. LIABTTAHRÄ *Linn.*

(Schauer in DC. Prodr. XI. 594.— Wlprs. Annal. I. 543. — [Wlprs. Report. IT. 89. VI. 689.]

1. L. KISI Ach. Richard, Tentam. flor. Abyss. II. 169. — Ramis virgatis quajpangularibus hispido - tomentosis; foliis oppositis petiolatis oblongo - lanceolatis acutis, basi obtusis, margine obtuse dentatis, superru reticulato - bullatis hirlis, subtus pallidioribus tomentosis; capitulis globosis longe pedunculatis axillaribus solitariis involucralis; involucro capitulum aequante 6—8-fido, laciniis ovalibus acutis hirtis; calyce campanulas setoso, inaequaliter 5-dentato; corollae tubo hirto, calyce fusiformi triplo longiore; fructibus ovoideis cernosis subcompressis lucidis. — Habitat in Abyssiniae locis montosis et siccis provinciae Ouodgerntc.
2. L. PETTIANA Ach. Richard 1. cit. p. 169. — Ramis virgatis reclis tuberculato - hirtis hexagonis; foliis saepius ternis, in ramulis junioribus oppositis ovali-lanceolatis acutis, basi sensim attenuatis et in petiololum desinentibus, margine tenuiter serratis, supra subbullato - hirlis, subtus tomentosis; capitulis axillaribus solitariis involucralis; involucris foliolis ovalibus acutis hirlis; calyce campanulato aetoso, inaequaliter 5-dentato; tubo corollae longo gracili, bracteis fere duplo excedente villosis, non inflato. — Habitat in Abyssiniae provincia Ouodgerato.

f Icon addends.

- L. ALBA Mill. — Schauer in DC. 1. c. 606. no. 44. — Wghi. Icon.* pi. Ind. or. IV. tab. 1464. (*L. Indica* Rxb.)

XVI. PETBBA *Houtt.*

(Schauer in DC. Prodr. XI. 616.)

1. *P. MACROSTACHYA Benth.— Schauer in DC. I. c. 617. no. 2. — Miq. Slirp. Surinam, •elect. 142. tab. 42.

Tribus II *VITICEAE* Schauer in DC. 1 c. 620XVIII *SPHIASTOINBSJftEA* Jack.

(Schauer in DC Piodr XI 622)

- 1 *SPH GRIFFITHIANA* Wght Icon plant Ind or IV tab 1477 — Ramulis tetragomis subpubescentibus ad nodos dense pilosis, folis oblongo-lanceolatis bisin versus subcuneatis npicce arummatis uinnque ghbns exceptis venarum axillis fasciculato-pilosis, paniculis braclinlis laxis, mferne fohosis, bracteis lanceolatis acutis quam pedunculi brevionbus pedunculis flifoimibus involucium circiter aequantibus usque pilosis, involucn plnllis inacqualibus subscanosis lineau-spathulotis obtusis, calyce campanulas qumquofdo piloso-tomentoso, lobis apice bidentitis cum dente reflexo in sinubus, coiolla glabra — *Sph Jackiana* Wght — *Congea Jacktana* Wall — In India ontniili ad Mergui
- 2 *SPH TRIFLORA* Wght I c tab 1478 — Ramulis glabris vel velutino-puberulis, folus breviter peiolaiis lanceolaiis utrinque acummatis, acutis glabris vel junionbus inconspicuc velulims in venarum ixillis non barbatis, pamcula ampla brachiata, ad dmsiones ultimas usque foliosa, bracteis ovatis peduncuhsque brevibus ngidis, involucns caljcibusque velutino-pubescentibus, involucn phvllis valde inaequalibus ellipucis basi attenualis apice obiusiusculis, umbellis triflous, calyce tubuloso quinquelobo 10 neivio, lorum nervis lationbus lobis trngulan-acutis, tubo intus pubescente, corolla exserit pubescente fauce pilosa, stamimbus stylisque exsertis — Habitat in peninsula Indiac oucnialis Malaccensi

f *leonea addendae.*

- SPH BAUBATA* Schauer in DC I c 623 no 4 — Wght 1 c tab 1474 (*Sph ferruginea* Wght)
- SPH JACKIANA* Schauer in DC 1 c 622 no 2 — Wght 1 c tab 1476 (*Sph acuminata* Wght)
- SPH WALLICHIANA* Schauer in DC I c no 1 — Wght 1 c tab 1475 (*Sph pentandra* Wght)

XVIIa *ADELOSA* Blume

(Blume, Mus bot Lugd Datav pag 176)

Calyx tubulosus quinquefidus aequahs. Corolla tubo calycem superante, fauce nuda, limbi quinquefidi lobis inaequalibus, intimo formcato. Stamina 4, surpno corollae lubo inseria exserta aequaha, brevissima, antherae oblongo-lmeares tetragonae erectae, baseos emaignatae dorso affixae, biloculares, loculis parallels, longitudinaliter dehiscen-tibus O)anum depresso-globosum obsolete quadnsulcatum, dissepi-mentorun margimbus utrinque inflexis incomplete quadnloculatum Ovula in loculis solitana, oophoro medio affixa anatropa, micropyle deorsum directa Stylus filiformis exsertus, stigmatate bifido. fiacca (?) turbinato-globosa depressa, calyce ampliato cincta, incomplete quadn-loculans. Semina in loculis solitana peltata oblonga compressa mem-branaceo-marginata — Frutex ramosissimus in Ambango mdigenus: folus opposilis approximatis brevissime petiolatis, petiohs linea puberula

· ad ramulos decurrente junctis, cuneato-oblongis obovatisve, acutis v. obtusis integerrimis v. ad apicem remote serratis, membranaceis glabris; pedunculo terminali brevi, ex apice floribus paucis subsessilibus bracteis cinctis.

1. 'A. MICRUPHYLLA Blume 1. c. no. 406. f — In Arabango.

XIX. COHTOEA Rxb.

(Schauer in DC. Prodr. XI. 623. — [Wlprs. Repert. IV. 116.]

1. C. VELUTINA Wght. Illustr. of Ind. bot. II. 216. & ICOD. pi. Ind. or. IV. tab. 1479 B.— Foliis ovatis acuminatis utrinque glabris coriatis; involucri foliolis obovatis spatulatis, basi dilatatis & subcohaerentibus cupulam effluentibus flores includentem utrinque sericeam; umbellis quinquefloris; calycis denibus brevissimis obtusis. — In India orientali.
2. * C. TOMENTOSA Rxb. — Schauer in DC. I. c. no. 1. — Wght. Icon. pi. Ind. or. IV. tab. 1565. — (J. oblongifolia: *Congea azurea* Wall. — Wght. 1. c. tab. 1479.

XXIII. PEROHHEIFIA Jack.

(Schauer in DC. Prodr. XI. 626. — [Wlprs. Repert. IV. 3.]

1. * P. CANESCENS W. Jack. — Schauer in DC. I. c. no. 1. — Wght. Icon. pi. Ind. or. IV. tab. 1460.

XXIII*. CYAHTOSTEOIA Turcz.

(Turcz. Bullet, de la soc. des natur. de Mosc. XXII. II. 35.)

Calyx limbo campanula to post anthesin excrescente quinquelobo. Corolla calyce minor breviter infundibuliformis 5-loba subirregularis, nempe labio superiore productiore. Stamina 4 subaequalia, basi corollae inserta inclusa, filamentis versus apicem parum incrassatis, antheris oblongis filamenta excedentibus, lateraliter affixis, bilocularibus longitudinaliter dehiscentibus. Ovarium liberum verruculoso-villosissimum biloculare, loculis uniovulatis. Stylus filiformis, stigmatibus breviter bilamellato. — Frutices Australasici humiles ramosi viscosi glabri: foliis oppositis angustis, magis minusve denticulatis; racemis terminalibus ramosis, pedunculis oppositis 1—3-floris floribusque infra calycem bibracteatis, pedicellis glanduloso-pubescentibus; calyce post anthesin ampliato, utrinque pubescente, basi extus glanduloso, reticulatim venoso, pallide coeruleo; corolla amethystina pubescente, intus imberbi. Fructus ____? Genus calyce fere *Petreae*, affine videtur *Pityrodia* R. Br. at pluribus notis distinctum.

- * C. LANCEOLATA Turcz. 1. c. — Ramis indivisis; foliis petiolatis cuneato-lanceolatis grosse dentatis obtusiusculis vel obtuse acuminatis; racemi ramis inferioribus trifloris. — Habitat in Nova Hollandia, Swan River.
2. C. INTERMEDIA Turcz. 1. c. 36. — Ramis indivisis; foliis sessilibus linearibus planis, grosse dentatis obtusiusculis, apice subcallosis; racemi ramis inferioribus trifloris. — Habitat in Nova Hollandia.

- 3 C ANGUSTIFOLIA Turcz I c 36 — Ramis divide foliis sessilibus linearibus, margino involulis subnerviiformibus obtusis vel acutiusculis apice subcallosis, ratomi ramis omnibus unifloris — Habitat in Nova Hollandia, Swan River

XV(P R E M M Linn

(Schauer in DC Prodr XI 630 — Wlprs Annal I 513 — [Wlprs Repeit IV 93])

- 1 PR (*ftcmnos*) GLAUCERRIMA Wght Icon pi Ind oi IV tab 1484 — Undique cicepla mfloriscens villosula glaberrima folns obovato - oblongis abrupte acuminatis acutiusculis nerviiformibus, supra nudis, infra pallidioribus albidis, pinnulis terminalibus laevibus compositis, ultimis ramulis dichotomo cymosis, tunc campanulato obscure quinque-dentato breviter villosulo, corolla bifida, labio superiore emarginato, infero trilobato, tubo medio latione, fauce pilosa, sinuibus didymis, longioribus duobus exsertis, stylo stamina longiora aequante subclavato, ad apicem bifido — In India orientali (Courtallum)
- 2 PR HISPIDA Outh in Hooker, Niger Flora 485 f — Ramulis, cymis folisque pilosis hispidis, folns obovatis oblongisve acuminatis, basi angustatis, panícula cymosa terminali subsessili, calyce quinque-dentato, corollae tubo calyce longiore — Crescit in Siuira Leone et Senegambia
- 3 PR VJBURNOIDES A Richard, Tent flor Abjes II 171 — Glanduloso-tomentosa ramulis teretibus, folns oppositis longe petiolatis suborbicularibus acuminatis, basi truncatis, margine nunc apice, nec basi, subseratis, unneque glanduloso-hirtis, subtus pallidioribus, lloibus paucis cymam terminalem nudam, trichotome ramosam efformantibus, pedunculis pediculisque subferrugineo-tomentosis, calyce brevi campanulato tomentello obsolete 5-dentato, corollae tubo calyce paulo superante pubente, limbo 4 lobo subaequali, staminibus paucis exsertis, drupa ovoideo-oblonga, parum succosa, nuce ossea crassa durissima 4-loculari — Habitat in Abyssinae regno Lho
- 4 PR FLRUGINEA A Richard 1 cit p 172 — Fulvo-tomentosa ramis tetragomis, angustis obtusis, folns oppositis petiolatis ovalibus obtusis, basi truncato-obtusis, inaequaliter glosse et obtuse dentatis, supra hirsutis, subtus pilosis in nervis venisque leuoglymeo-tomentosis, lloibus minimis fenugineis subsessilibus junculatis in paniculam pyramidalam lamosam hexaspermam dispositis, glomerulis quasi verticillatis distinctis, calyce brevissimo subcampanulato 5-fido, Inarms uculis, tubo corollae pubentis tunc aequante, limbo paucis 5-lobis, lobis inaequalibus obtusis, staminibus stylo stigmatibus acute bifido-*eiscitis* — Habitat in Abyssinae provincia Chire

t Leones addendae.

- PR CORDIFOLIA Rxb — Schauer in DC 1 c 63J no 9 — Wght Icon pi Ind or IV tab 1483
- PR INTLGRIFOLIA L — Wght 1 c tab 1469 — (*Pi sen ah jo ha* L — Schauer in DC I c 632 no 8)
- PR TOMENTOSA Willd — Schauer in DC I c 634 no 20 — Wght I c tab 1468
- PR WIGHTIANA Schauer in DC 1 c 635 no 25 — Wght 1 c tab 1485 — (*Pr. thysoides* Wght mss)

XXVIII CAULICARPA Linn.

(Schauer in DC Prodr XI 640 - Wlprs Annal I 543 — [Wlprs Report IV 125 VI 692])

- 1 I TOMENTOSA Willd - Schauer in DC I c 647 no 28 - Hance, Diagn pi nov Austr Chin II 4 — Arbuscula ramulis pedunculisque cum inflorescentia, ramis p0*

tiolisque tomento densissimo cinnamomeo villosobirsutis, foliis oblongo-vel lanceolato-ellipticis breviter petiolatis, basi cuneatis, apice longe acuminatis, supra medium nervis serrato-dentatis, adnatis supra opacis, vix sublucis et sparse canopubentibus, caeleum glabrum, subulose pnesitum in venter venulisque prominulis pilis stellatis candicantibus dense tomentosis, utrinque minutissime glanduloso-punctatis, cum breviter pedunculatis confertis glomerulosis, calyce dense tomentoso-villosolubuloso quadrangulato quadrupartito, lacinis lanceolato-subulatis — Folia 9 poll longa (incl petiolo pollicem), 3¹/₂—4 poll lata Pedunculi petiolum subaequant Cymae ter quaterve bifidae bracteolae subulatae, pedicellos aequant, flores in apicibus inflorescentiae ramulorum densissime glomerati C-flores 2 lineas longus albo-villosus Corollae roseo-purpureae tubus glaberrimus, calyce inclusus, limbi exserti extus villulosi licinne obtusae Stamina longissime exserta — Species pulcherrima a Celeb *bchauei* m DC Prodr XI 64? inter recognoscendas legat, *C. ulluueuanae* Schr I molh Sieb ft Zucc et praecipue *C. Roxburyana* Wall affinis — Habitat in insula Hongkong Sinsium

f Icon addenda*

G WALLICHIANA Wlprs - (Schauer in DC Prodr XI 641 no 3) — Wght Icon pi Ind or IV tab 1480

XXV^a LADTNOCEPTAIUS Turcz

(Turcz Bullet de la soc des natur de Mosc XXII II 36)

Calyx profunde 4-partitus, lacinis linear-oblongis, lana densissima extus involutis Corolla calycem subaequans tubulosa aequanter 4-fida. Stamina 4 aequalia, paulo infra sinus corollae inserta, filamentis filiformibus breviter inclusis, antheris orbiculatis bilocularibus, longitudinaliter dehiscentibus Ovarium liberum 4-loculare 4-ovulatum villosissimum, disco hypogyno insidens, ovulis pendulis — Frutex multicaulis pube brevi stellata squamulisque rufescentibus tectus caulibus ramosis, joints opposite sessilibus paucis linear-oblongis obtusis crenulatis, inflorescentia cymosa divel trichotoma, ramis capilliferis, capitulo singulo e capitellis 3 paucitons bibracteatis constante

¹ 'L LEPHOTUS Turcz 1. c — Habitat In Nova Hollandia

XXX % KOIPHIA Jcq.

(Schauer in DC Prodr XI 647 — Wlprs Anna! I 544 — [Wlprs Rept IV 118 VI 6W1)

¹ *AE GRANDIFLORA Hook — Wlprs Rept VI 692 DO 1 - Van Houtte, Flore des serres IV tab 324

XXIX^a BECKBA Kltzsch. Sf Karst.

(Karsten, Auswahl neuer und schonblühender Gew Venezuela s Hit 2 31 tab 10)

Calyx liber turbinato-campanulatus. irregulariter quadrilobus, extus puberulus persilens, fructifer crescens, aestivatione valvata. Corolla hypogyna infundibuliformis, tubo calyce longiore intus

iannaceo-puberulo, quinqueparlilo, limbo lacinus patentibus aequahbus oblongis, apice rotundalis, aelivatione quincunciali Stamina qumque corollae tubo supra medium inserLa, longe exserta, filamenta filifoimia aequalia, anlhrae supra basin dffixae oblongae biloculares, nmis duabus longitudinaliter rntroise dchiscentes Ovanum uniloculare quadnovulatum, ovula hemianatropa, placentis duabus panelalibus bicruiibus sub apice afuxa pendula, micropyle infera, slylus teiminalis bisulcalus, longitudine lubi corollae, stigma bipaititum exseitum Iructus calyce cupuliformi aucto et mdurato cinctus, diupaceus siccus wdehiscens, umloculans lelia- vel aboitu In—monospermus. Semma quatuoi vel paucioia ascendentia, testa laevi Crustacea praedita, umbihco bas,ilan, embryo. .?

- 1 DR GRANDIFOLIA Klzsch ft Kmst 1 cit 32 f tab 10 — Fruix vel arbor 30—40-podalibus ramulis, peulis cum folioium costis medns, pedunculis et cymis pube tona subcanescenibus, cortice lamulorum et pagina inferiori loliorum verrucoso, folns opposius lanceolatis acutis 3—5-pollicanibus, in porvulo petiolo Va— % pollicis longo, angustaiis integerrimis conaceis, supra nitidis, subtus pallidis, inflorescentum cymosis axillanbus pedunculis rnmosis, peliolum vix excedentibus, flonbus pedicellaus aggregatis suavcoleniibus, pedicellis cahCis fere longiludmc, 3—4 lin longis, bractea mucroniformi (in flonbus laioialibus) sulTullis, aequae ac calyces verrucis conspersis insidenibus, corollis albis 4 longis — *Lycium grandifolium* Willd — *Aegiphila verucosa* Schauer in DC Prodr XI 650 DO 11 — Grescit in Caracas

XXXI CIERODEJVDROIV Linn,

(Schnucr in DC Prodr XI 658 — Wlprs Annal I 544 — [Wlpris Report IV 102])

- 1 CL PLNTAGOMJM Ilancc, PI nov Austr Chin diagn inedit I p 10 — SuffYuticosum eiectum, bl—tnpedalo ramis subteiragoms pubescemibus, novellis pube purpurascente tectis, folns petiolaiis 4—5-pollicaribus oblongo - Innceolatis iniegemmis acuminatis, supra glabus vindibus, sublus pnlidionhus, in veins hirtellis, utnnque glandulis improssis notatis, cymis axillanbus (axis foliis 4—5-plo bievionbus, pedunculis peliolos aequantibus, calyce 5-fldo liutello purpuiascentle lacinus ovat/s aculis, floufero 5-angulan, lacinus commvenibus fructifero patente fructum superanie, coiolla hypociainenmoipha alba pubeiula, limbo caljcom vix supeiante, gcuitalibus exsertis, staminibus adscendentibus, diupa subsphaenca saturate indigotica — Ins. Hongkong Clunonsium
- Z CL IIAEMATOCALX Uancc, PI nov Austr Chin diagn ined I p 11 — Arborescens, 8—15-pedalibus ramulis toiragonis canaliculatis cum folns cjmisque villosulo - pubentibus, folns peiolatis laic ovatis basi subcordaia vel truncatu acuminatis, leviier et irregulariter sinuato-senatis, cymis axillanbus et leiminalibus compactis plunflons folns utplunnum bievionbus, bracieis bracieolisque magnis florts subaequantibus sulTullis, calyce basi cbracealeo pedicellato laxo 5-fldo, lacinus ovalis acuminatis, sub anthesi lacio vindi connivente coiolla duplo brevioio, fructifero plus duplo ampliato songuineo stellato-patente, corolla hypocratenmorpha alba, extus glanduloso - pubescenie, lacinus oblongis, gemtalibus longcexseitis, stylo stamimbusque aequilongis, drupa baccante 4- vel abortu 3—2— 1-pyrna saturate mdjgotica, calyci aucto sanguineo eaque tnplio longion msidcnte — Hongkong Sinaum — Folia 4—6 poll longa, basi 3A—5 poll lata, petiolo 2—3-pollican Floros odon Calyx flonler 4—5 lin longus, fructiger fere uncialis Gorollae tubus 9 lin longus Affine videtur *Cl. canescenti* Wall et *Cl Cummigiano* Schauer
- 3 CL CORDIFOLIUM A Rich Tent flor Abyss II 170 — Ramis inermibus teretibus pubentibus, folns opposiis petiolaiis cofdaus acuminatis, margins inlegris, **supra**

glabns, subtus in nervis puberulis, -flonbus in pamcula Urminah ramosa pubenu dispositis, calyce campanulato amplo, ultra mediam partem quinquefido pubenu, lacinus aequalibus lanceolalis neuis, coiollae tubo cohcem vix superante gracili pubenti, stamimbus quaterms valde exscrlis ascendenlibus, bacca ovoidea obtusa laevi, soepjua aborlu monosperma, calyce non accieto aucta — *Volkameria cordifolia* Hochst. — Schbauei in DC 1 c 65? no 4 — Habitat in Abjssima

- 4 CL VERRUCOSUM Splitgrbr mss ex Vriese, Nederlandsch knudkundig Archief I 351 f— Ramis verrucosis obtuse tetragoms, folus ellipticis acuminatis, basi inaequalibus, inaequilateris glabns, pamcula terimnali, ciljcibus corollisque extus senceo-tomentosis — Crescit in Suunam ad margines fluminum
- 5 CL BETHUNLANUM Lowe, Hist of Dorneo 8c Hook Dot Mag Compan p 30 — Hook Rot Mag tab 4485 — Elatum iruticosum ramis 4-sulcatis, folus amplissimis cordalis acuminulatis obscuie serratis glabns, basi profunde bilobis, subtilis sparse lepidotis, pamculis termmalibus maximis thirsoideo-pyramidatis bracteatis, bracteis linean-spnthulaiis coloratis, calycibus magnis comets acute 5-nngulatis, limbo erecto 5-lobo, corollae (coccineae) tubo calycem vix superante, limbo 5-1 obo inaequah obhquo, lobis oblongis obtusis leflexis, supenore longiore, basi albo, stamimbus longissimis — In insula Borneo

t Ioone\$ addendae*

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- CL CAPITATUM Scium *Be* Thonn — Schauer in DC I c 673 no 66 — Hook BoL Magaz tab 4355
- CL INFORTUNATUM Linn — Schauer in DC 1 c 667 no 34 — Wght Icon pi Ind or IV tab 1471
- CL PHLOMOIDES Linn — Schauer in DC 1 c 663 no 20 — Wght Icon pi Ind or IV mb 1473
- CL SCANDENS Palis — Schauer In DC 1 c 662 no 15 — Hook Dot Mag tab 4354
- CL SERRATUM Spr — Schauer in DC 1 c 664 no 25 — Wght 1 c tab 1472
- CL SIPHONANTHUS R Br — Schauer m DC 1. c 670 no 45 — Wght Illustr of Ind bot II. tab 173

XXXV. CtmnEEiOrA *Ltan.*

(Schauer in DC Prodr XI 678 — [Wlprs Repert IV 97])

- ¹ GM RHEEDII Hook Bot Magaz tab 4&5 f — Subarborea inerms, tota molliter pu« bescens folus longe petiolatis rhombeo-cordatis breviter acuminatis, nunc tnlobis, basi (plunta recente obsoletissime) biglnndulosis, subtus cinerascenli - tomentosis, ihvrso muluflo, bracteis ovatis acutis brevissimis, calyce tomentoso subcylmdraceo-hemisphaenco acute 4-dentato, corollae extus pubescentis limbo amplo bilabiato, lobis ⁵ subaequalibus rotundatis, mfenore magis elongato, margimbus (omnium) reflexis — *Cumbulu* Rheede, Hort Malab I 41 *- In India onentah

t Ieonet addendae*

- ^GM ARBOREA Rxb — Schauer in DC 1 c 680 no 5 - Wght Icon pi Ind or IV tab 1470
- ^{GM} ASIATICA Linn — Schauer m DC 1 c 679 no 2 — Wght Illustr of Ind bot II tab 174

XXVII VITB X Linn.

(Schauer in DC Prodr XI 682 — Wlprs Annl I 545 — [Wlprs Repert IV 82 — Pyrostoma F W Meyer Walliutlua Rth , Casm ettoa Wlprs Repert IV 81 82 91])

- 1 V (*Fuagnus* £ /imm) FI OHIDULA Duchass GL Wlprs mss — Ramulis, petiolis, pedunculis calycibus rube subuliler pubemlis, foliis longe petiolalis infoliolatis (v ad ramuim basin pmus Ktwfoliolilis) foliolis elliptico-ovalis, utrinque acutis VLI ovilibus obusissimis» \el omnibus obovilo obcordalis, apice emarginatis, integemmis subconacco - incbiamcti') ghbns, subtus pallidionibus, cymis axillanibus pet/olo bievionibus tor quaoiwe dicboiomis diviricati* nudis, fioibus pedicellnlis, CQINCC truncato quinquangul in coiollac tubo cnycem plus duplo supcianu, Incinia medm labu infcnous nnjon — Pioxime accedil id 1 *Uvaucatam* Sw (Repeit IV 84 no 12 ft DC Prodr \l 691), sed oximie *dilXul* calvcilms tuincnlis quinquungulanbus loliolisque obcordatis, oblusis VLI in codem spccimine ncummatis — Petioh 1—l'A-pollicares, foliolium intermedium 4-pollicare 2—2% poll latum o\uiuin uirique aculum vel bipollicare obcordotum, l'₂—2 poll latum foliola latoialia bomomorpba plerumque subdupio minora nervus medius cl foliola juniore subtus tenuissime pubeiula Gvma laxa petiolo brevior ixillans, llores laleiales bractcola brevissima subulala decidua, calycem non acquanto sillTulu Cilyx cupuliforrois 2 Jin longus forollao tubus calyce subdupio lon^ior venirLO&us, inlia calycem conliactua, limbi laciniae ovaies obtusae crenulalit, inllina icliquis duplo major iotundaia, ad basin vix baibellata — Crescil in isthmo Pammcii&i
- 2 V (*ChiysomaUum*) CHIWSOCARPA Planchon in Hooker, Niger Floia 486 f — Foliolis 3—5 obovalis oblongiste, supia gibus subtus, lamulis, petiolis mlorescentiaque fciugineo-tomentosis, c^mis pedunculatis axillanibus, calyce fructifero brevissime podicellato late cyathifoimi, drupa dense tomentosa — Crescit in Afnea ttopica occidentali

f Ieones nndendae.

- V ALTISSIMA Linn fil — Schauer in DC 1 c bS5 no 6 — Wght Icon pi Ind or IV. tab 146b
- V LLU(OXYLON Linn fil — Schauer in DC 1 c 692 no 36 — Wght 1 c tab 1467
- V PUBESLLNS Vabl — Schauer in DL 1 c 685 no 8 — Wght I c tab 1465

Tnbus III AVICENNIEAE Meisn. — Schauer in DC. 1 c. 698.

XLII AVICEHnVI* Linn.

(Schauer in DC Prodr XI 698 — [Wlprs Repert IV 131 VI 693])

- 1 'A OFFICINALIS Linn — Schauer in DC I c 700 no 4 — Wght loon pi Ind or IV tub 1482
- 2 'A TOMENTOSA Jcq — Schauer in DC I c 699 no 3 — Wght 1 c tab 1481 [n]

Ordo CLXIV. HTOPORACEAE *Alph DC*

(*Ylph DC Piodr* || 70J — *Wlprs Annal I 545* — *Myoponnese R Bi* — *Wlprs Re-*
pert IV 135 VI 693)

VII RIYOPORUJII *Bnks. Sf Soland*

(*Alph DC Prodr XI 706* — *Wlprs Annal I 545* — [*Wlprs Reperit IV 135 VI 693*])

- 1 M DULCE *Bnlh* in *Mitchell Journal of tropical Australia* p 384 adn f — *Ramulis*
hevibus, folus angusto lanceolatis plums icutis uninervus, basi anguslatis, lacinus
tahcinis lineaii lanceolatis acuiis brevibus, corollae limbo imberbi — *Crescit in Au-*
stiaIn oriental! tropica

VIII EREOTOPHIIiA *R Br*

(*Alph DC Prodr XI 712* — [*Wlprs Reperit IV 139*])

- 1 1 MITCHELLI *Buth* in *Mitchell, Journal of tiopical Australia* p 31 adn + — *Glabra*
visciduln loins alleims lineanbus planis, coiolla albn, exius glabra, fauce ample, laci-
mti quituor superioribus subaequilibus, uiflma imjore retusa, stamimbus inclusis —
Ciescit m Australia onenlali liopica
- ? I⁴ CUNNINGHAMII *Cunmng*h mss ex *R Br* in *Stun, Cxpedit Centr Austr II App*
P 84 — *Aihoroscens folus therms linenibus mucionulo recuivo, sepalis fructus*
unguiculatis eglandulosis, corolla exlus ghbra — *Eiemophila⁹ arborcscens* *Cunmng*
mss 1817 — *Eicmodcndion Cunninghami DC Prodr XI 713* — *Deless Icon select*
V 43 tab 100 (ubi en or in num ovulorum)—*Aiboiea* — *Crescit in ISova Hollandia*
- ³ F STURTH *R Br I c 85* — *Pubescens folus anguste lineanbus, apiculo recurvo,*
coiolhs extus pubescentibus, limbo intus barbato, slamimbus inclusis — *Frulex or-*
gyalis (alyx 5-parlitus aequalis sepalis obovato - oblongis, basi angustionbus sed in
unguem vix attenualis, membranaceis umneivus venosis Corolla bilobiata, tubo am-
Plo recio, labiis ohluis, exlus puhescens, intus hine (infeuus) barbatn Labium su-
peuus inpartitum, lobo raedio bifldo (e duobus conllaio), lacinus omnibus obtusis,
labium infenus obcordalum bilobum, lobis roiundatis, densius barbalum Stamina
quituor didynima, ommno inclusa, fllainenli glabra Antherae reniformes, oculis
apice confluentibus Ovdium dense lanatum. btylus glaber. bligma indivisum, apice
styla vix crassius — *In ISova Hollandia centrali*

XI STfiSTOCHIIiUS *A. Br.*

(*Alph DC Prodr KI 713* — [*Wlprs Reperit IV 140 VI 693*])

- 1 **ST** PUBIFLORUS *Bnth* in *Mitchell Journal of tropical Australia* pag *73 adnot f -
Folns lanceolato - lineanbus ^elongatis Integernmis, apice subuncinalo, novellis rarau-
lisque tomentellu, mox glabratis ciljcis foliolis lanceolatis, corollae pubescentis m-
*»

- feme atenuatae lacinnis oblatis, inflma brevitei soluta — A *St longifolio* R Br non differre diciunt ((f R Or in Sturt, Exped Centr Auslr II App p 86) — Crescit in Austriaha orientali tropica
- £ ST SALICISUfc Bnth in Mitchell 1 c 251 adn f — Foliis lanceolato-lineanbus integerrimis ipicc subuncimto rumulisque canescentibus calycis foliolis brevibus Janceolatis coiolhc pubirulae infuuc ntlcnu il ic Ilcinus ubluis, inflma relusa vis caetens iThigs soluta - A i l *longifolio* H Dr non diffene illicitui (Cf R Br in Sturt, Exped Centi Ausli IF App p 86) — Cicscil in Australia orientali tiopica
- 3 SI CbRVIPLS Unili, in Mitchell 1 c 221 adn f — Glabei foliis lanceolatis integerrinn^ ba&i in pcioluin augu&niu*, pediceliis iecuivi*, calvcis foliolis lalis acummatis, coiollac glabrae vcnlncojic 1 minis acutis infcnorc ultr, (medium soluta — Vanetas *St maiuluii* Kei ts»L diului (Cf R Bi in Siuu, Exped Cenlr Auslr II App p 86) — Cicscit tn Au&tidlia orientali liopien
- 4 ST (*Platychilus*) UlfiiNOMAF t LORUS Bnih in Mitchell! c 386 f — Glaber viscosus folns longe hncoohiis lineanbusvp, ipicp subuncmalis, calycis foliolis latis acutis, corollne glmbiae ventneosae lacinus oblusissimis, inflma dilaiiala sublnlobata, vix caetens raagis soluta, staminibus vix exsertis — Crescit in Australia orientali tropica

Ordo GLXVI. LABIATAE *Juss.*

(Bnth in DC. Prodr XII 27 & 697 - [Bnth in Wlprs Reprt HI 483 ft 940 VI 657 ft 746])

Tnbus I OCIMOIDEAE Bnth in DC. 1 c. 30.

I. OCMIUJftI *Linn.*

(BQth in DC Prodr XII 31)

- 1 0 PETITIANUM A Richaid, Tent flor Abyss II 176 — Caule rdmosissimo erecto-piloso, foliis petiolalis ovahhus icutis, hasi sensim atpnuaiis el mtegnis, margine distanter serraus tenuiter membranaccis cillialis, supra punctulnus, sublus nisi in nervis pilosiusculis glabns, spicis termmalihus saepius terms, elongdtis, calycis longe pilosi pilis versus basin densis, dente supcnore suborbiculan obtuso. ciliato, dentibus caetens acutis, infeiiionbus longioiibus subulais, corollne tubo calycem excedentp, stamimbus exsertis, flamentis supenonbus supra basin appendice angusto linean valde piloso donatis — Habitat in Aby&sinia prov Tchtlikote
- 2 0 FLACIDUM A Richaid J c pag 179 — Annum caule herbaceo raraoso e'recto spuhamaeo hiriello foliis longe petiolalis lenuiier membranaceis ovnlibus acutis, ba^i sensim ac sensim angustatis, margine crenato-serratis glabnusculeis, llonbus mmutissimis breviter pedicellaus, verticilhstns approximalis, saepius sexflons, calyce fructifero nutante bilabiato, labio supenore obovali oblusissimo integro latiore, inferior* integro obtusissimo — Habitat JO convalle fluvn Tacazze prope Tchelalchekanne ID Abyssinia.

VI ORTHOSIPHOUT *Benth*

(Dnth in DC Prodr XII 49)

- 1 0 **PHYSOCALCINUS** A Richard, Tent flor Abyss II 180 — Caule basi suffruicenie, ramis virgins lurto - ferrugineis, folns petiolatis ellipticis acutis, basi sensim angustatis serratis, supra hirsutis, subius fenugmco - tomentosus, flonbus pedicellatis subverticillatis, paniculam ramosam teimmalmc efToimantibus, calyce hirtio longe tubuloso 5-dentato, corollae tubo recto, calyce longiore \ix implnio, labio inferiore oblongo conca\o, stylo eiserto simplici subdilato calyce fructifero mflato vesiculoso, apice 5-dentato — Habitat in Abjssmie prov Ouodgerate
- 2 0 **RRARTEATUS** Wght Icon pi Ind or IV tab 14⁸ — Suffruticosus erecius ramosus, versus nmorum apices tomentosus, folns scssilibusobovato-oblongis obtusis cianato-serratis, utrmque pubescentibus, infra venoso-reticulatis, racemis terminalibus brevibus, verticillnstris subtiiflons, antē antbesin bractea magna foliacea caduca mclusis, corollae tubo calycem tnplo superanie, labio supenore quam inferius multo majore mlobo lobo medio emargmato, labio mfenore inlegro, apice inflexo — In India orientali habitat (Sheiagherry hills)

X. PLECTRANTHUS *Hérut*

(Bnlh in DC Prodr XII 55 ft 698)

- ¹ **PL LYCOPIFOLIUS** A Richard, Ttn(am flor Abyss II 181 — Caule herbaceo, ramis erectis hirsutis, folns subsessilibus o>ali -oblongis acutis, basi obtusis aut subemarginato - cordatis, margme senatis supra subscabus, subtus in nervis birtellis, caeterum glandulis punctiformibus procmmentibus purpureis notatis, racemo terminali simplici elongato, verticillastns siistinctis pluuflores, flonbus confelHis bieviter pedunculatis, ral^ce campanulato 5-fido piloso - glanduloso, lacinnis lanceolatis acutis, suprema paulo latiore corollae labio mfenore basi unguiculato falcato, staminum filamentis distinctis glabns — Habitat circa Adoua in i egno Abyssinae Tigre

f *Leones addendie**

- PL** MACCAEI Bnth in DC I c 59 no 20 — Wght Icon pi Ind or IV tab 1430
PL WIGHTII Bnth m DC I c 5b nq 3 — Wght I c tab 1429

XI COIJEUS *Lour*

(Bnth in DC Prodr XII 70)

- ¹ **C TUBEROSUS** A Richard, Tentnm flor Abyss II 185 — Radice tuberculosa carnosa, caule herbaceo, iamis erectis crassis birtellis, folns sessilibns oblongo-Janceolatn acuiis, margme subduplicato - serratis, basi obtusissimis, supra pills rans brevibus conspersis, subtus, nisi in nervis hirtellis, glabns, glanduljs punctiformibus proeminibus onustis, racemo terminali simplici, flonbus pedicellatis, verticillasins muluflons, calyce parvo cnmpanulato glanduloso birtello, ultra medium 5-fido, lacinus Unceolaus acutis subaeuuloogis, suprema paulo lauore, corollae calyce quadruplo

longion> Inbio mfcnore concavo falcalo unguiculalo, slamimhus mclusis glabns monadelphis — Habitat in montosis Abjssmiac in pro\incus Clmc et Godjam

t Icones addendae.

- C AROMATICUS Bnih in DC 1 c 72 no b — VVghi Illuslr of Ind hot II lab 175
 C BAHBATUS Bnth in DC I t 71 no 2 — Wglil Icon pi Ind or IV tab 1432
 C SPICATUS lnth in DC I c no 1 — W^hil 1 c tdb 1431
 f WIGIITH Dnlb in DC 1 c 78 no 37 — Wght 1 c tab 1433

XV. AVISOCHII^US Wall.

(Bnth in DC Prodi. XII 80)

Sect. I. *EPICLINOCHILUS* Wlprs. mss.

(*Amsochilus* Bntb in DC 1 c 81 — Nomen generis in determmandis sectionibus nullo modo repetendum)

- 1 A PUnPUREUS Wght Iron pi Ind or IV tab 1435 — Caulo bosi piocumbente, rarnis ascendentibus v crectis sencco - villosis, foil is pctiolatis obovato - spnihulatis obtusjs \ Miborbicularibus inlegns carnis, spicis axili inbus terminalibusquT ieduntutis, hracteis hnccolntis aruiis pilosis calycem subacqumtibiis, flonbus purpuiⁿl's, LOIOIII miLCScenle lubulosl bilabi ita, kibio suprnoie creclo quadufldo, infenore integio deflexo, stamimbus exscris, calytis fiuctifcn labio infeioic minuto, supenoie majoic delle\o tndeniito — Uabilat in India ouenlali (Neilgherries propc Conoor)
- 2 A ALBIDUS Wghl 1 c tab 1436 — Caulibiis drcumbentibus, ramis ascendontibus senceo-villo^{is}, folns ses^{ilibus} obovatis spntliulaio -atienuntis versus basin, spitis axillaribus teiminalibusque, biacteis Iancoolaiis acutis onlycem subacquantibus, flonbus albis, corolla decidua tubulosa biliibiaia, labio supenoie quadufldo, infenore simplici, tubo intus MIOSO, slnmibus ex^{eiiis}, colycis fiuctifen labio suponoro deflexo tridontaio, dentibus apice icficxis — lldbnai in India onentnli (Neilgherucs. propo Conoor &c Kaitie)
- 3 A SUFFRUTICOSLS Wghl 1 c tab 1137 — Suffruticosus erectus ramosiis rami« junioribus folusquo donsc villosis, foliis bitvilei petiolalis ovato - lanceolotis, sublus prominulo-vonosis (cxsiccatls profundo reiiculatis inter venas), spicis numerosis longis pedunculiitis, vcisus ramoium apicps rongettis, coiold tubulosa, c basi dell ex n bila biata, hbio supcuore (ulobo, lobo nifdio JWIOII emaignalo, infonore integio obtuso, stamimbus corollam aequinlibns, CCCI^{CI}* fiuctifcn labio infenore minuto, «upenore niulio m.i|ore integro, apice rotundato dtllexo — llibilat in India oncnlali (Neilghenios)

t Icon addenda.

A DYSOPHYLLOIDES Bnth in DC I c 82 no 6 - Wghl 1 c tab 1434

XVII. IIYPTIS Jcq.

(Bnth in DC Piodi XII 85 & 698)

- 1 11 VILIS Knib tt Bourhe, Index sem in hort boi Borolin a 1848 collectorum p 13
¹¹⁰ *• — SuJTiuicosa crecta rami*» pilosis, folns breviter petiolaiis subrhomboideo*

oblongis acutis, basi rotundatis, vix cordatis, grosse crenato - serratis, supra ubique, sulcus non nisi in nervo medio et vix primis pilosiusculis, ciliis azilnibus pedunculatis subglobosis densifloris, folio dimidio brevioribus, bracteis involucratis 5—6 laruculis. pilose, capitulo bicoloribus, calycis quinquefidis lacinae subaequalibus bulbosis ciliatis rigidis luscis, corolla externa pilosa lobis dimidio brevioribus, ANTHUS glabris — Habitat ad Caracas in Venezuela

XX. *Stoechas* Tournefort

(Benth in DC Prodr XII 143)

- 1 *L. (Stoechas) SPECTABILIS* C Koch, Linnaea XXI 616 — Frutescens lanugosa, ramis ramis strobilatis elongatis, folia angustissime oblonga, ex margine revoluta, spicae longe pedunculatae oblongae lanugosae erubescens, demum sordide pollescentes, verticilli 10—12-flori, bracteae cuneatae aequaliter exsertae subrotundatae, interdum denudatae, deinde imbricatulae - nervosae, paululum minoribus quam caeterae subcylindricae flores calycibus multo superantes, corolla alba (nec alba) spicam aequans aut brevior — *L. Canensis* C Koch, Linnaea XIX 24 (nec Boiss) — In Olympo habitat
- 2 *L. (thactoslacha)* LAWII Wight Icon pi Ind or IV tab 1439 — Herbacea pubescens caulibus erectis basi foliosis tetragonis, folia obovatis pinnatifidis, lacinae inaequaliter serratis, apice saepe lobatis trilobis, floralibus basi dilatatis spatulatis acutis, terminalibus simplicibus compactis, floribus aequalibus solitariis — Habitat in India orientali (Satiira)

t Icon addenda.

L. DURMANI Benth in DC 1 c 117 no 16 — Wight 1 c tab 1438

Tribus II. *Saturejeae* Benth. 1 c 148

XX. *Pocosteae* Desf.

(Benth in DC Prodr XII 151)

- 1 *P. PATCHOULI* Pelletier-Santelot — Benth in DC Prodr XII 153 — Wight Report, VI 660 no 2 — Hook Kew misc I 329 tab 11 — Pubescens caulis suffruticosus, in nervis vix decumbentibus-ascendentibus, folia petiolatis rhomboideis ovatis obtusiusculis lobatis crenato-dentatis, spicis terminalibus sessilibus densis pedunculatis, inter nodos calycibus hirsutis bracteis ovatis duplo superantibus, denuis involucriis, nianntibus — *P. intermedium* Bull in Wall fat 2327 - (Cf DC Prodr. XII 156)

P. spicis elongatis laxiusculis subpaniculatis — *P. Heyneana* Benth in DC I c 153 no 8 — Wight Icon pi Ind or IV tab 1440 — Crescit in India orientali ad Silhet et var *P. m. Zeylana* et Java
- 2 *P. PURPURICULIS* D. Don in Hook Kew gener misc II 336 f — Caulis erecto suffruticoso purpureo nitido tenuissime pubescente, folia late ovata obovatis grosse duplatis - dentatis, in petiolum cuneatim attenuatis, utrinque leniter pubescentibus vel glabris, velicillatis dimidiatis approximatis, paniculis axillaribus terminalibusque pyramidalibus laxis, panicle ramis oppositis decussatis linearibus, bracteis exsertis

- nbus ovntis, inteiionbus lanceolatis, basin versus attenuatis, calycem aequantibus —
P plectraiiitlwidi affirm Folia 7-pollicana, 3½ poll latj — Habitat III India onentali
- 3 P PURPURASCLNS Dnl/ell 1 c 337 f — Caule berbnceo ictragono 4-sulcato, **pilis** patulis molliur tomentoso, folns petiohtis laic ovaiis aculis bnsi cunentis duplicato-serrniis rugosis, utnnque molliter villosis, \crlicilhtstns infenonbus in foliorum superiorum nxillis sessihbus mulnnoiiis dislantihus, suprnoriltiH termimlibus simpliciter spicfltis npproximatis, biactcis sub olycc ovuis acutis follows retirulato-venosts, subtus villosis, ralvceni aeqmntibus, cilycis penutgom bprbicci \illosi segmentis tmngulan -subulaus 3-nervns filamentis sivloque longe exsertis —Folia 4—5poll longa 2—2'A poll hta — Habitat in sylvis Concani in India onentali

f Icones addendae.

- P HIRSUTUS Dntb in DC 1 c 154 no 18 — Wghl Icon plant Ind oriental IV tab 1412
- P ROTUNDATUS Bnili in DC 1 c 155 no 22 — Wght 1 c tab 1441
- P SPLCIOSUS Dnlh HI DC 1 c no 24 — Wght 1 t tab 1443

XXI]>YSOP1IYIIIIJL *Blume*

(Bnth in DC Prodi XII 156)

- 1 D TETRAPIIYLLA Wgbt Icon plant Ind or IV tab 1444 — Dense pilosa caule ascendenlc simplici vel parr rarioso, **loins** quaterms **veicillalis** sessilibus linean-subulatis integns, margine icvolutis, floralibus lanceolalo - spathulatis pubescentibus, flores subaequantibus spicastnS clongitis, rilyce pnbesconte denlibus bre\ilei HCU-tts, flhmontis longis, pine evscrtn)nr<iti& — In Malabana
- 2 D TOMLMOSA Dahell in Mook Kew gaid misc. II 337 f—Told pilia patuhs mol liter toinenlosa caule repenle ramis pluubus snnplicibus (.leclii, folus 6—9-nu> vertitillatis lincanbus acutis, iilernodiis multo longionbus iilegeimnis, sublus glandulis conspersis, maigmibus tevolutis lloia)ibus confoimibu<, calycis tuberculalo - glandulosi densissime lomntosi denlibus tnangulari-ovdiis obiu^is, pilis mullo brevionbus — Caulos 10—12 poll lungi, folia 4—4¼ lin longa, scimlineam lain — Habitat in India onenluh m oryzetis prov Malwan
- 3 D ERECTA Dal/ell in Hook I c f— Caule erecto ramoso patenti - hi^pidulo, foil is 9—12- veicilliitis anguj>le lincanbu&, apicc oblusis, basi paruin angustalis, uliunque papilloso- scobndi2>, sublus ^lnnduloso-punclatis iilemodia acquanlibus, floralibus fli-formibus gios&ecl oblique cupil<UiscalycisJongUudine, coiollae **lobis** omnibus integns, caljcis villosi denlibus crccus obiu«is — lleiba eiecia 7—8-pollicans, folia 7—8 lin longa — Habitat in Indiae onentalis prov Malwan
- 4 D GRACILIS Dal/ell I c f- (aule erecto stneto 9-pollican, superne parce lamoso, pilis patulis mollibus hirto, Coins verticillatis septems anguste lineanbus aculis margine revolutis, internodio longionbus 4 lineas longis, V, lin latis, apicem versus dislanter et minute dentatis floralibus liiHinbus acutis denso cilntis calyce dupio longionbus corollaque superantibus, calycis villosi dentibus acutis, corollac dente supremo mmore integernmo — In Indiae onentdlis montibus Syhadrece

t loon addenda.

- D AURICULATA Blume — Butb in DC 1 c 156 no i — Wght Icon pi Ind oi IV tab 1445

XXVII *mSHSTTHA Linn.*

(Bnth in DC Prodr XII 165 ft 698.)

- 1 N RETICULOSA Hance, PI nov Austr Chin diagn inedit I p 7 — Pubescens caulibus eieciis *reiroraum* pilosis, foliis* rotundato - o^oalis subihombeis subrugosis, punctulis minutis impioissis notaiis, supra (cosla vcmsque primarus exceptis) atro-vmdibus, subtus passim purpureo - rubns costato - \enosis, basi m peliolum laminam adaequantem vtl ea parum breviorum cunento-pioductis, ulnnque praesertim in venis pubeniibus, grosse serrato-dentatis, rienlibus lads antrorsum v retrorsum subfalcato-pioduciis oblusis, venis purpureo-lubns subtus prominulis crebernmis anastomosantibus pulchre reiculatis, spicis axillaibus et termmalibu⁹ difTuso • subapproximalis cylindncis, bracicis ovaiis calyces aequantibus; flonbus roseis, cahtis extus villosi, m-tus subghbrali denlibus 2 intenoribus minonbus, coiollae tubo cal)cem aequante fauce villosa, limbi lacima¹ supenon emarginaia, gentalibus corollao tubum vix superantibus — In ins Hongkong a Sims cultn Tola heiba gratp odoia ,*rolha de m-fanu*¹ Lusildno-Macaensium.
- 2 M NIGRESCENS C Koch, Linnaea XXI 648 f — Pluncaulis simplex aut superne breviter ramosa caulis inferno glabnusculus, superno pubescens, folia oblongo-lanceolata, breviter peliolata, scrrdta, »upia glabia nigiescentia, subtus cano-toineotosa, spicae oblongae, ex apice comosae, earum longiludo latitudmem ter v quinquies superans — Crescit in Oriente septentnonali
- 3 M SIEBCRI C Koch I c. 649 f— Stncta, supernc taraosa tnpedalis cano-pubescens folia oblongo-lanceolata sessilia semiamplexicaulia, subtus candicantia, spicae tenues subcylindntae, brncieis mediocutei lonjis instructae — Crescit in moniibus Poniicis
- 4 M MICROHILLA C Koch I c 650 f — Multicaulis et saepe ramosa tomentosa folia ovato-lanceolata, saepe oomplicata sessilia serrulatd, spicn tenuis cylmdnca, infeme verticillis lemoimsculis instructa, biactee bieves, non comosae, calycis denies lubo brevioies — Crescit prope Tergesium
- 5 M ERIANTHA C Koch I c 650 f — Tomentosa stucla, ex apice ramis brevibus instrua, folia ovata, breviter petiolata serrata, calycis denies linear! - subuloti villosi, tubum corollao villosae paene superantes, stamina inclusa, capitulum subhemisphaecum. — Crescit in Chersoneso Taurico

XXVIII *EiYCOPIJS Tournef.*

(Bnth in DC Prodr XII 177)

- 1 L. DECRESCENS C Koch, Linnaea XXI 646 f— Rhizoma obliquum pluncaule, caulis simpheis8imu⁹ ascendens aut repens, debilis pubescens, folia oblongo-lanceolata, subtus pubescentia, supra glabra, serrata, ex parto mferiore mngi⁹ minusve incisa Tel plnntatflda, breviter petiolata, versus apicem caulis decrescencia, verticilli densi, calycis denies 5 lanceolato - subulati pungentes — Crescit prope Trapezuntium

XXIX. *CUIVIIIi* linn.*

(Bnth in DC Prodi XII 180)

- 1 " C MARIANA Linn — Bnth in DC I c no 1. - Torr Flor of New York II 66 † lab 76

XXXIII MÖFITARDEIiia *Bnth*

(Bnth in DC Piodr XH 133)

- † M CANDICANS *Bnth* Plant Ihriw 3J0 no 1911 — Annul erecia cnescenti-tomentella folns [eiiohtis mgiuste oblongis sulur legenimis bnclis exienonbus ovuis acuiins ulis calycis tubulosi deniibus bieubus muticis — Herln opposite ramosa pnucifolin | oihlis vel [MUO iltior umis subfastigi ins Folia 1—i-polhcam fere *olialissmm* sed bisi in pctiolum longiu&culum anguslata dpilula quam in cicicus s[ocibus munciosioi i el minon sompei ijmen teiminalia et ad apices ramcium sola tin Biacicie vno&ic pubescentes 3 Jm longae Cnljces apice dense villosi — (ics it in locis audis monium Califoiniae Siciamento

XWIV O11IG%1VI^I *Tournef*

(Bnth in DC Prodi \U 191)

- 1 0 AMUSIIFOL11)M C Koch, Linnacn \\1 661 +— Pubeiulum canescens aut lufescens | miculjio coiynbosum folia inguste elliplica denticulaia omnia pcliolita bia cK o Hlijiicio cilvte iciin pane lon^ioies concoloies et discoloies spiculae piivae < oi jinlios u lloros albi IOSCI et lilatim — Ciescit in Ouentc bore ill
- 2 0 GIACIII (Ko b I e f — I i ctuin can 11b | ilosus pamculatus folia o\aha gla bnuscuh tilntn, mnuli extoini mm biatlop elli| ticac stintac pilosiusculae pntenk*s, raltcc | lululuin |onyioros, cal\ x basin |io\ imae bricteac attingens, deniibus hn colitis, leiliam | utpin IOCU iculibus iltriKiuc coniuvenlil us 7 tubus corolhe pai\i(tlongnlie subiegulaus e\serlus — Ciescit in Grusia
- 3 0 AI BIFI ORUM C Koch I c 662 f — Iirlum tut hirlollum foln ovata oblonga aut (supciorn) tlliplica deniiculala aut inlrgii liacleae pillide vuescenes ellipticae uit ii pc70id<ac | ilosae calvct duplo longioies faucem cotoihe attingentes, caljx uiccohius tubum coiollinum diinidium pauluni supoians nut eum aequans, dentibus cioctis mstiuLlus — 0 vntrts Gu»eb Spicil II Rurael II 115 — 0 vulgme p. f Koch

P *unqistum* rami breviores, ilnrsum for mantes, biacteae pilosae — Crescit ~~etc~~ Uiuissim

- 4 0 PRUINOSLM L Koch 1 c 663 f - CTUIS pilosus ereclus, folia ovilia deniiculala omnia pciiohti ex margmt et ex nerus pnginac inlenons pilosa, cieierum glabia, bi icteie fiuina coerulsccente indutio ovnlcs calycem uiceohtum brevissime dentatum ex paito dimidii supeianies coiollae albae lubus inclusus rami breves thyrsum foirmnles — Habitat in Grusii

XXXV. THYMUS *Linn*

(Bnth in DC Piodr XII 197)

- 1 TH ROFGNERI C Koch I mrirea \\f 666 f — Sufftuticosus procumbens **rami** bievibus iscendentibus cipilulifens villosis, foln linejn oblongi supenora capitulum longe supeiantn, flores sessiles calycis labium supenus dentibus lanceolatis, extenonbus conniveniibus msliuctum, corolla rubro-lilacim, labium supenus mtegrumJ — Crescit in Taucna Chcrsoneso

- 2 TH PARVIFOLUS C Koch I c f — Sufruticosus diffusus caulis et rami puberuli, folia parva, sed (?) densiora oblonga glaberrima, sed (?) ad basin pilis longis saepe instructa, crassiora, superne, nequaquam subtus sparse punctulata, verticilli 4—6-flori, spicam brevem referentes binctis demum deciduis mstrucli, cilix nervosus glaberrimus, labium superius tuberculatum, dentibus brevibus triangulatis, medio majore, demum elongatis subulato labio inflexis labium superius superciliatis conniventes pecunalo-ciliati, corolla alba exserta — Crescit in Oriente boreali
- 3 TH RARIFLORUS C Koch I c f — Caulis suffruticosus difflusus, dilute canescens, folia anguste oblonga aut elliptica, suprema latiora sed breviora, igneo-punctata, capitulum ramulorum, lobum superius calycis dentibus subulatis inattractum, corolla igneis glandulis obsita, labium superius emarginatum, lacinae labii inferioris latae inter se aequales — Crescit in Oriente boreali (in valle Tschabautz)

XXXI SATUREJA *linn.*

(Dnht in DC Piodr XII 208)

- 1 * S HORTENSIS L — Bnht in DG I c 209 no 1

P *distans* C Koch, Linnaea XXI 667 f — Ramosissima ramis puberulis, folia linear-oblonga pilosiuscula, minus profundius punctata, verticilli distantes, pedunculi ex parte saepe in ramos elongatos transmutati, calycis dentes elongati subulati, tubo corollae paululum breviores, ad anthesin pauli — In Oriente boreali

- 2 S LAXIFLORA C Koch, Linnaea XXI 668 f — Ramosissimo diffuse puberula folia anguste sublinearia suboblonga, verticilli spicam laxam referentes, folia floribus aequilongi, cymulae 3—6-florae pedunculatae, flores pedicello longiore praediti, calycis campanulati dentes inaequaliter subulati, tubo vix longiores, corollae tubus longe exsertus — Crescit in Gmsia

XXXVa SOLIERA *Clos.*

(Glos in Gay, Flistor flsic de Chile IV [Dot] 489 lab 53 flg 2)

Calyx bibracteolatus subuloboso-campanulatus 13-costatus, exsertus profunde quinquefidus, lobis subulatis longe anastatis erecto-curvis pilisque horizontalibus dense albido-plumosis Corollae tubuloso-infundibuliformis pilosulae tubus angustatus calycis longitudinaliter, lobis subaequalis quadriduus, lobis tubus inferioribus subsimilibus, superiore ampore pauloque brevior obsolete bilobo, omnibus erectis lamina quatuor subdidynamia, corollae fauci inserta fertilia, inferiora subexserta, filamenta nuda. antherae ovatae biloculares incumbentes. Stylus filiformis exsertus, apice inaequaliter bifidus, stigmata minuta. Achaenia (!) juniora sicca laevia. — Herba Chilensis ramosissima subulobosa: lobis confertis obovato-oblongis v. raris ovatis, obtusis sessilibus; floribus axillaribus solitatis.

¹ "S PUI CHELA (Jos I c 490 t 1^b 53 flg 2 — Habitat in Chili, elevatione 11500 Pedum

XXXVII. HICROITUBRIA *Bnth*

(Bnih in DC Prodr XII Z12)

fecet I. *PIPC/iEILA* Bnth in DC I c. 213

- 1 *M OVATA* Until in DC 1 c. 9 no 31
 (i. *cmntn-tomrntosa* | Rich Tent fl Abjss II 189 — Suffrutescens caulo diffuse in uoso piumbenle, in urns tlongaiis nscerulonlibus Inrtis., folus niinimis ovali-oblongis, lpicc subiculis bicviSNimt puioiaus conaccis mugus, ulrmqmc hirlellis, lloiiibus pedicellate *m* axilh foliorum supicinorum fasciculatis, caljcc lubuloso 10-cosiaio hnicllo dentibus 5 subulais subinacqualibus. — Habitat in Abyssinia, in locis lapulouis piope Mtmsah
- i* *M QUARTILMAISA* Ach Kicliard, Tent (lor Ab)ss II 190 — Annuca caule erecto simpliuu<culo spnhimaio pubente, folns bievissimc peliohls cljpplicis obtusiu^culis, biti bonfim infustitis, utrmqmc cincnscenln - pubcnlibus sublus punctalis, fasciculis axilhnbus pLthinculatis 3—6- (Ions lloiiibus breviler pedicollntii, calyce tubuoso 10-cosiato pubcnlc, dcubus subulais — Ilabnat in Abyssinia moilosis lapidosis pi ope Dobn-Sina
- J* *M HIMPfKAG* Koch Linnaea XXI 69 + — Suffruticosa inulticaulis caulis simplicissimus canescens, folia elliptica subtanccenln infciiora Jttiora, ex margine, piicseitun snpenoie icvoJutn, cjinulac pcdnnculdae bi — quinqueflorae, bractcae pedicello!) piiNulo-j icquantcs, calycis denies laliludinem ejus vix suporanles, erecti nec patuli, faux villosissima — Grcscit in Oriente septcnlnniali
- 4 *M I ONGIFOLIA* Schecle, Linmca XXII 593 f — Caulis Truliculosus ramosissimus, idmi jscndenles vcl eiecli giaciles nppressc pubeiuli, folia caulina infcnoia ovato-oblongi, basi in peliolum mediocrem angusiata, media oblongo-lanceolata, supcnora el floraln subsessilia linoan -hnccolata, omnia appressc tl minute puberuld, margine revoluta iniegrnma oblusiuscula patentia, mferiota lemotn et internodio breviora, flor ilia iitcmadio *oi* florum fasciculis longioia, florum fasciculi axillares breviler pedunculaii piucilioii (2—4-flou) rjljces bractcis linoan - setaceis duplo longiores 13-stnati pubescentcb, denies subatqualcs linean -subulali ngidi eiecli, faux intus MIUSQ, cuiullie lubus mclusus — *Satuieja tenuifolia* Uoilcn non Ten — *Satineja tenuifoha* Ten (*Muiomoia* Umli) piovima diffTcl durum fasciculis densis multiflons, folns omnibus sessilibus u bincieis longionbus, *S paiviflora* Vis differt foliis omnibus lincnibus, pedunculis folia aequaulibus, dcnlibus calyctims forma et longiludine in-aquahbus folnsque glabns — Ciescit in insula Lcssma Dnlmatiae
- 5 *M SI HPYI LIFOLIA* Scheclo I cit 593 f — Caulcs fruticosi a basi ramosi ascendenles, nmi ascendenies oblus^nguli, denso tetrorsum pubescentcs, folia infcnora breviter petiolati subroiundo - ovoia venosa iniegernma oblusiuscula, basi iotundaia, nmr_p fine rtvoluli, sublus pnllidiora, supra sparse, subtus in \enis pubescentia, media ovato - oblongi majorn, summa oblongi parvn floras subicquanlia approximala, flolum fasciculi podunculau hvc paucillon secundi, pedunculi foliis floralibus multo brevioies, bricicac oblongo-lanceolatac pedicellum aequantes vel supernntes, calyces campanulaio - lubulosi iJ-stcnii pubescentes glandulosi bilabiati, podicello longiores, labu superions indentati denies e bast lata ovata lanceolato-acummati paienles, labn infouoiiis bidentati denies hnccolato - subulali duplo longiores eiecli, omne* longe cihaii tubo breviores, corollac pubescentis lubus calyce brevior, Umbus bilabiatuS, labium itifeuus tulobuin patens, lobis subacqualibus intcgiis — descil in Dalinatia.

Sect. IV. *PSEUDOMELISSA* Benth. in DC. 1. c. 224.

- 6 M (*CALAMINTHA*) *SPICIGERA* C Koch, *Linnaea* XXI 671 f—SulTruticosa cano-tomentosa ramosa folia ovato-oblonga petiolata, inlenora remotis denticulata, superiora integerrima, superiora minima lincana, cymulae breviter pedunculatae, spicam referentes, sed rarisioribus, cihcis urcolnti dentes nequales breves ranguaics, faux nuda, corolla alba (°), calyce duplo longior — Crescit in Onente sepienmonali
- 7 M (*CALAMINTHA*) *CANCSCENS* C Koch 1 c 672 f—Ramosa elata caulis villosus, folia ovata obtusiuscula petiolata pilosa supra nigro-, subtus albido-incana, cymulae breviter pedunculatae, folia floralibus parvis longioribus, spicam referentes, calycis puberuli labiura superius deniibus brevibus triangularibus mstrucium, denies labii inferioris longioris subuldi, faux villis praedita, corolla calyce plus duplo major — Crescit circa Brussam
- 8 M (*CALAMINTHA*) *BYZANTINA* G Koch I c f - Annua ? saepe pluncaulis stricta caulis albo-villosus, folia petiolata parva, margine crenato-dentata et subrevoluta ovata obtusiuscula canescentia, supra pube dense sed parva et pilis singulis albidis obsita, subtus pilis procumbentibus p~~er~~o tomentum referentibus alba, cymae canescentes, folia superantes; calycis canescentis labium superius drntibus paulis ranguin lanceolatis, mfcus contra subulatis mstrucium, faux pilis singulis obsita, corolla ut videtur alba — Crescit ad Dosporum
- 9 * M *ABYSSINICA* Benth in DC 1 c 224 no 54 — *Calamtha* * *Abyssinica* A Rich Tent Ilor Abyss II 191

t Icon addenda.

M BIFLORA Benth in DC I c 220 no. 36 — Wgbt Icon pi Ind or IV tab 1446

XXXVIII *CAIAMVNTWLA* Benth.

(Benth in DC Prodr XII 226)

- 1 C (*Calomelissa*) *MIMULOIDES* Benth Plant Jartw 331 no 1917 — Perennis (vel suffruticosa?) erecta elata, patenlim pilosa et viscidula folia petiolatis ovatis grosse dentatis, verticillastris laxis subsexfloris, pedicellis elongatis, calycibus elongatis pilatis, labio superiore subpatente, fauce intus parce pilosa — Affinis *C macrostemmae*, sed alius flonbus majonbus Habitu *Melissam officinalem* vel (*alammlham grandifloram*) refert Folia bipollicana rostrata, basi rotundata, cuneata vel subcordata Pedunculi communes cymarum nunc brevissimi, nunc 2—3 lin longi Pedicelli 7a—1-Pollicares Bracteae foliaceae pedicellos subaequant Calyx 8 lin longus, minus dimidiate bilabiatus quam in plerisque *Calammlhts* Corolla aurantiaca sesquipollicaris vel paulo longior — Crescit in locis umbrosis Californiae ad fluvium Carmel
- 2 C (*MalaciiUha*) *ASCENDENS* Jordan, Observat IV 8 f » 1 flg R 1—15 — Flores pedicellati in fasciculos axillares umbelliformes brevissime pedunculatos dispositi reclusculi unilaterales folisque opposite diicli, superiorum pattern caulis occupantes Pedunculi inferiores foliorum circum longitudino, intermedii superiorisque

) Nomen literarum transposition formalum *Uucalammlhas* comprehendens

breMssimi vel subnulli, cvlmdnci parum angulati leviter depressi, apice in romuloa tres rudnntanos divisi, intermedio umfloro, lateinlibus miiltiflons, cunctis itm pseudo-umbellam 8—12-floram simulantibus Pedicelli maequales calvcem aequintes eove longioros, eiectiusculi vel subdclinau Bractee hispidulae hnccolato - lineares apu-lissunac, basi ploniusculoe, nervo dorsali prorainulo Calyx supra pedicollum semper magis minusve inflexus, lubus cylmducus, supra basin evidentei mflatus versus malun-totem intusque veisus faucem pilis nlbis subinclusis veslitis, labium supenua ad duas tertias usque in lobos ires ovaies acummnlos paium concavos ciliatos ascendentes, numquam reflexos divisum, labium informs formatur a dentibus duobus basi ovalibus vel lanceolatis in ncumen rectissimum contraciis, parum curvatis apiceque commven-tibus longe ciliatis Corolla parva pnllide rosco-lilacina, eztus pubescens, tubus brevis cdlyrem parum superans campanulatus, supra tertiam partem superlurem Inflatus, basi angustatus, labium supenus rectum ovale, margimbus leviter cuivatis, apice bilobum, lobis pirvjs angtilo acuto separntis, Inbmm inferius rectum subhonzontale inaequaliter tnlobum leviter denticilalum, I obis laterahbus brevlonbus elliptico - oblongis, medio rolundato-obo\ato truncaio vel levitci cmaigmato Achaema (nuculae) obscure fusca ovali-rotundata tngona, eximie impresso-punctioulata, ad umbilici latus laminulis tri-bus minimis (nnullim 1 longis, %« millira latis) circulanbus gnseis instructa Folia mediocriR pubescentia saturate virentia ovalia breviter dentata, limbus ad basin valde oblique truncatus et in opicem pelioli pubescentis hemidiametrum trnnsversolem limbi superantis ottenuatus, folia inferiora obtusior'a ovali-rotundata, supenora parce dentata brevissima appliciia saepeque omnino nulla Gaules Inrsuiissiml quadrangulares ob-liquo ascendentes subflexuosi raims numerosis rectis Caudex crassiusculus obliquus, paium laternliter prolifcr caules pluios pane sua infenore brevissime prostratos et rndicantes gerens Tota planla /orlitei nec ingiate old — Habitat enca Lugdunum (>alioium — Proxime accedit ad *C officinalcm*, quacum eam libenter consociarem

- 3 C NEPHTOIDES Jordan 1 c 16. + lab 2 fig.D 1—15 — Flores pedicellati in fas-ciculos laxissimos axillares ramosos cymosos pedunculatos rectmsculos umlateialiter folusque opposite ductos congesli, caulis partem &superioiem occupantes Pedunculi infcnores quam folia multo breviores, supenores longiores pilosuli, cylindnci parum-per depressi, apice in ramos ires divisi, quorum inlermedius brovissimus umflo-IUS, laterales brevissime tnciotomi 3—6-flon, inteimedio semper umlloro, lateralibus lemotiu&culis Pedicelli maoquales divergenies calycc multo breviores Braueae ob-longo-lineries hispidulae acuusculac, j>upra pinnae, nervo dorsali piominulo Calyx primum rectiusculus, demum versus maluntaiem submflexus, tubus obliquus urceo-lato - tubulosus, ad maluritatcm medio inflatus, apice bnsique angustalus (praesertim ad basin), mtus ad ontlicium pilis aIbis crebns vestitus parum exsertis, labium supe-nus ad tres qunrtas tnlldum, dentibus ovali-lanceolatis acutis concaviusculis ciliatis ascendentibus, labium infcnus bifldum, dentibus lanceolatis acuminatis pilis rectis m-structis dentium latitudincm duplo superaniibus Corolla rosea extus pubescens, tubus calyce sesquolongior, versus tertiam partem supenorem inflatus curvatusque, labium supenus rectum ovale, loborum sinu rotundato, margines laterales demum paium extus dejecti, labium informs subhonzontale tnlobum, lobis parum inaequalibus mi-muissime denticulatis, laterahbus brevionbus ovali - ellipticis , intercrtmedio obovato-rotundato apice elegantler slnuato Achaema (Inuculae) pallide fusca elhplica trlgonapuncticulis impressis vix pcrspiciendis notata el ad umbilicum planitiebus parvis cir-culanbus parum inaequalibus (l'A raillim longis, »/4 millim lalis) gnseis instructa. Fola parva magis minusve pubc¢m, saope glabnuscule nitiilula vindia, ovalm acua serrato-dentata, limb us versus basin valde obliquus saepeque attenuatus, petio-lus pubescens dimuliam fohi lauiudinem subnoquans, folia infcnoia denlibus crebno-ribui instructa, supenora aculissime dentata Caules numerosi graciles, saope basi decumbentes ilexuosi leviter aicuati simplices vel parce tamosi, lamis patulis Cau-dox ramosus horizontal e caulium basi ladicante foimatus, radix parum crassa Ubiosa Plauta futta odorem graiissimum spoig/t — Habitat m Galliu (De*pai temeots

des Hautes-Alpes ft des Basses-Alpes). — A.C. *Nepeta* viz nisi inflorescentia laxiore foliisque parum argutius serralis difTorre videtur.

+ Icones addenda*.

- C. NEPETA Lnk. ft Hffmnsagg. — Bnth. in DC. 1. c. 227. no. 8. — Jordan 1. c. 12. f tab. 2. flg.A. 1-15.
 C OFFIGINALIS Mnch. — Bnth. in DC. I. c. 228. no. 9. — Jordan 1. c. 4. f tab. 1. flg.A. 1-15.
 C (MELISSA M. Bieb.) UMBROSA Bnih. in DC. 1. c. 232. no. 29. — Wght. Icon. pi. Ind. or. IV. tab. 1447.

XXXIX. CtARDO%IJI.% Rz. Sf Pav.

(Bnth. in DC. Prodr. XII. 235.)

1. G. SALVIAEFOLIA Colla, Memorie di Torino XXXIX. 2. + tab. 48. — Caule fruticoso erecto tomentoso rimoso, superno rnmisque tetragonis; foliis petiolatis cordatis ovato-lanceolatis acutis denlntls, subtus albo-tementosis reticulato-venosis lacunoso-rugosis, supra laeviusculii glabriusculis, floralibus sessilibua ovatis; spica terralnali verlicillata, verticillis remotiusculis sub - 6 - Doris; calyce lanato, dentibus subulatis subnequalibus, corolla flava dimidio brevioribus. — In Chili.

XLIII. POCTOGYIOTG Bnth.

(Bnth. in DC. Prodr. XII. 243.)

1. P. ZIZYPHOROIDES Bntb. Plant. Hartweg. 330. no. 1915. — Humilis: foliis floralibus ovatis, flores superantibus, dentibus calycinis parum inaequalibus, superioribus corollam subaequantibus. — AIDnis- *P. parviflorae*, corollae adhuc minores. Herba est 3 — 4 - pollicaris. Folia radical in parva, floralia inflmn subsemipollicaria in petiolum longiusculum angustata, superiors minora, cum bracteis linearibus rigide ciliaHs imbricata et flores fere occultantia. Corolla 2 lin. longa. Stylus more generis sub apice pHosus, lobo inferiore complanato superiorem brevioris basi amplectente. — Crescit in valle Californiao Sacramento.

XLIV. HTEIMEOIfcA Per8.

(Bnth. in DC. Prodr. XII. 244. ft 698.)

1. H. ACINOIDES Schcele, Linnaea XXII. 592. f — Caulis herbaceus erectus retrorsum pubescens tetragonus ramosus pedalis, rami erecti. Folia petiolaia obtusa, basi angustata glabriuscula, subtus pallida uninervia, nervo prominulo, inferiora ovato-oblonga, inaequaliter et obscure repando - dentata, floralia oblongo - linearin, floribus dujllongiora, summa Integerrima. Verlicillnstri axillares laxi subsexflori, brevissimo pedunculati vel subsessiles, inferiores longe remoti, superiores approximti, racemum terminalem elongatum formnntes. Bractee lineari - subulatae reflexne, pedicillos vii^{ae}quantas. Pedicelli graciles canescentes, calyce vix breviores. Calyx ovato-tubulosus basi gibbus 13-striatus nervis antrorsum pubescens quinquedentalus obscure bilabialis, lablum saperhis tri-, inferius bifldum, denies subulati ciliati, inferiores longiores. **Faux** intus pilosa. — Crescit in Texade prope Keubraunfels.

XLVHL. CŌīM̄TVSŌlVI* *Linn.*

(Dnth in DC Prodr XII 252)

1 *C CANADENMh Linn — Bnth in DC 1 c no 1 — Torr Flor of Now York II 65
f lab 75 a

Tnbus 111 *MONARDEAE* Bnth. in DC. 1. c. 260.LVII. SAX VIA *Linn.*

(Dnth in DC Piodr XIJ 262 ft 698 ft XIII I 738)

Sect I. *EUSPHACE* Bnlh. in DC. 1 c 263

- 1 S BLANCOANA Webb ft Helder Catal pi Hispanic Gienn no 308 Append — Caule bosi sulTiucoso pubosconio, pctiolis pubescentibus, folns ngidis ovaio - oblongis, basi rotiindalo-altpnualis acutmsculis crenulatis lugosis, subtus praecipue pubescentibus, viudibus, mflmis jumonbiiique uliunque cano -lomentosis lloialibus subnullis, paniculoc *mulat* glahcmnnc inmis di\anciiselongatis giacilibus, verticillaslms remotis 1—4-lions, calyubu* bre\iter podicellaiis campanulas vibcoso-lursulis, subaequahtci quiiquedentatii, denlibus luviusculis ovato - acummatis, corolla calyco subtnplo longiore, cxlus villosula — Afflnis *S Auchen* linlh di\toit folns oblongo - lanceolaiis minus rugosis, omnibus albo - tomentosus, infenonbus basi subcoidalis, caljcis Inovions longiusque pedicellaii acutius costali dontibus longionbus lanceolatis A *S Candclabio* Boiss longius distal folns rigidis, inflorescentia aliena, caljcibus subsessilibus, corolla minoi alusque notis — llabilnt in Hispaniae provincns Giennensi et Chorraderos
- 2 S iXYODON Webb ft Helder I c no 309 Append — Caule basi suffruticoso pubescente, pctiolis pubescenlibus, folns ngidis oblongis, basi altenualis, acutiusculis crenulatis lugosis, subtus praecipue pubescentibus, vindibus, infeionbus lomentosis, lloialibus paucis, pamculac nudaie glabornmao ramis divaucatis abbreviaiis, verticillastus temolis, 1—4-lions, pedicellis bre\issimis apice villosula, calycibus tubuloso-campanulaiis, jcute rostalis glandulosi* glabns, profunde et subbilabiate quinquedentatis, denlibus lanocolatis subulato-acummatis, coiolia caljcc subduplo longiore, extus jubescente — H ibitat in Uispamne provincia Giennensi
- 3 8 PLNTSTEMONOIDES Kntb ft Bouch Index sem in liott bot Bciol a 1848. collecloium p 13 no 13 — Caulibus herbaccis ereclis paniculato-ramosis, ramis scdbnuscuis, folns pctiolatis oblongis acuaio-submucronntis, in pctiolum decurrenlibus, obsolete et remote denticulaiis, supra scbnuscuis, subius glabns, vix pallidionbus, utnnque adipato -nmdulis, herbaccis, superioribus giadatim minonbus lanceolhis, floialibus sessilibus, ihysis terminalihus simplicissimis, veiticillis lemons sexlions, calycibus tuibinalo-campanulas amplis deccmcostatis, coloratis pilosiusculo-glandulosis, labio supenoie truncato - tridentato, infenore bilklo, latinus denlibusqu mucronatis, corollis calveem magis duplo superantibus, lubo recliusculo, superne paruin ampliato, inlus supra basin albo - villosus, galca emarginaia recliuscula pubescente glanduloso-punctulata, labio infenoie Va brevior tnlabo, lobis lateraiibus rotundaiis, sursum cuivatis, antlicris umlocularibus libens, connctivis postice spatbU lato - dilaiati* — llobitdt in Texade

Sect II *IYMEMSPIACE* Bnth. in DC] c. 271.

- 4 S SUBSPATHILATA LeHm in E Olto, Neuc ollgem deulschc Glnztng vr 457 f — Fruticulosa precM ramosissima, foliosa folus incrassatis obovato - spalhulans in petio- lum valde ciliatum altenualis lugosis, integrcnmis, ranus basi subcrenatis, apice ro- tundato - obtusis cum apicno recuivo, supra vindibui valde pilosis, subtus incanis, basi ciliaus, llonlibus subscsilibus braceisquc brevibus ovatis, racemis terminalibus simplicibus abbie\iaais \eiucillasins biflotis approximatis, calycibus villosissimis bila- biatis, post floiescentiam mulio majonbus memhnnaceo-dilatatis coloralis, labio supe- nore acute iridenlalo -sinuito lucostalo, infenoie bifldo, coiollis calyce inplo longio- nbus (coeiulcis), lahus divantato-hiantibus, supenoio brevioie, slamimbus mcluis, stylo longo eiseito — Habitat in Piemontono Bona0 bpei

Sect. III *DRYMOSPIACE* Bnth in DC. 1 c. 275.

- 5 S GUNDELFA f Koch, Linnaea XXf 653 + — Caulis villosus, supeine lerelmsculus, ramis oppositis patentibus, folia petiolo villos0 insiructa, subius villosiuscula, supra glubnuscula, hasldio - inangulaiu, supicma rhomboideo-elliptica, omnn cienulata, bractcae ellipticae reflexac, cahcis labium supenus inlegrum lotundntum infenus lobis b^{ms} rotundatis instrucium, flores nulantes — Crescit in Orienti boreni

Sect IV. *HORMINVM* Bnth in DC. 1. c. 277.

- 6 S GALATICA C Koch 1 at 653 f — Pluncaulis tomentosa folin oblonga petiolata crenila rugosa, floralia lata, acuminntn, calyce sublongiora, omnes splcae veilicilli appioximad aut inferus distins, calycis tubulom Inbium supenus tiuncatum, mcon- spicue tridentatum, hbu infenons denies lanceolati, tubus corollae inclusus, conne- ctivuni filamentjfoi me, cauda abbreviaia callosn, opico connexa — Ciescit in Galalia

Sect V. *AETHIOPIS* Bnth. in DC. 1. c. 278.

- 7 S ARMENA C Koch 1 cit 654 f — Caulis ex basi albo - lanotus, sesquipednlis, su- perne pamculatus, ramis spicigens, folia inferora patioloia, supenora sessilia cordnto, aut cordato- oblonga, densissime albo-lanata crenata, floralia lata, longe euspidata, supra glabcrnma, infra albo-lanuginosa, verlicilli caulini 4—6-, ramorum biflon, caly- cis campanulati him labium supenus dendbus tnbus comventibus subulatis instru- clum, denies labu infenons lanceolaii, conneciivum flamentiforme, couda rhomboideo- dilaiata, apice connexa descendente instructum — Ciescit in Aimonia
- 8 S*HILYCTIDCA C Koch 1 cit 655 f — Caulis inferne lana, supeino pilis brevibus horizontdlibus adpersus, folia supenora loiundato - elliptica i e ex npicc ct basi su- blto aticunnta, inferiora oblonga, omniQ pcliolata, supra bullis parvis rugosissima, subius argentea crenulata, floraln coloiata caduca, verticilli dislonlioies calyx pilo- sus urceolatus, Inbium supenus tridentotum, infenus bifldum, dentibus omnibus su- buloto - spinosis, labu supenons comventibus — Crescit in Grusia
- 9 *> OUBIA C Koch I cit 657 + — Elata pilosa, supeine glandulosa virgata, folia supe- nora coidata semiamplexicaulia irregularner dentato, suprema cordato - acuminata, denique reftexa, caljcis campanulati labium supenus iruncatum tridentatum, infenus blftdum, (lore* deciescentes, ex apice aboitientes — Crescit in Onente borcali
- 10 S LONGEPETIOLATA C Koch 1 cit 657 f — Simplex hirt0 -villosa folia radicalia 'ongc petiolata rotundalo -obiongi, apice rolundata, baai conlia magis tiuncata aut cor-

data duplicato - dentata, plana, caulina subbina, floralia lata acuminata, calyx uregplatus, dentes labii inferioris lanceolati, pungentes, labii superioris triangulares, lineam longi, medius paululum minor, antilicium connectivum filamentiforme, cauda abbreviata dilatata callosa — Crescit circa Drussum

- 11 *S. ARACHNOIDEA* Noë' mss in D. Webb f. Heldreich, Catal. pi. Hisp. Glenn. no. 310. Append. — Gaule spithameo herbaceo erecto simplici hirsuto pilis flavescens viscoso-glandulosus, foliis fere omnibus radicalibus, petiolatis, lanceolato-oblongis oblongo-lanceolatis, acutis eroso-dentatis, donubus minute et inaequaliter denticulatis, utrinque sed subius praesertim lomenio denso arachnoideo niveo velutis, sicut et floralium supercilicibus inlenor, adultia supra minus tomentosis rugulosis vinctulis, cauibus paucis, nullo ingustionibus bivertibus oblongo-lanceolatis minute inaequaliter denticulatis, flouilibus ovatis latissimis acuminatis viscoso-ciliatis, calyces subaequantibus, velicillibus sexfoliis, calycibus tubuloso-campanulatis viscoso-hirsutis, labio superiore subulnato, bivertibus dentato, inferiore bilobato lanceolato, demum omnibus mucronulatis, corolla alba, calyce multo longiore — Planta viscosa, 14—20 centum longi. Folia radicalia 7—11 centum longa, 2/3 — 3 lata. Calyx 12 millium longus. Corolla & *phlomis* Boiss. (non ASM), sed lobi labii inferioris omnibus partibus latiores et stili divisiones breviores — Plantae hinc *Salvia phlomis* Boiss. affinis est, sed major robustior, caulibus longe elongatis, foliis duplo longioribus lanceolatis, remote sinuato-dentatis, floribus violaceis, corollae labio inferiore omnibus partibus paulo angustiore. Si plania Doissenann non eadem ac Assoiana, uti suspicor ex specimen Valili in herbario olim Fontanesii nunc amicis tui Webbi asservato et icone Roemerii (Scept. pi. Hisp. et Lusit. p. 10. fig. 1) tunc novo nomine uti forte *S. Boissietia* vocanda — Crescit in Hispaniae provincia Giennensi.

Sect. VI. *PLETHIOSPHACE* Benth. in DC. 1. c. 288.

- 12 *S. CONGESTA* Ach. Richard, Tent. flor. Abyss. II. 194. — Caule herbaceo non bini ramoso denso, lamis erectis, vix pedem longis lanato-hirsutis, foliis inferioribus longe petiolatis lanceolatis obtusiusculis, basi sensim angustatis, margine crenulato-dentatis, supra hirsuta, subius subtomentosis, racemis simplicibus, verticillatis saepius bifloris distantibus, calycis hirsuti labio superiore latiore longiorique subconcano apice 3-dentato, dentibus conniventibus acutis, labii inferioris dentibus lanceolatis acutissimis, corollae calyce quadruplo longioris labio superiore omni falcato — Affinis *S. pralensis* — Habitat in Abyssinia.
- 13 *S. LACINIOSA* Jord. Graines n. collettées en 1849 au Jardin botan. de Grenoble pag. 24. no. 35. — Racemis dense nosis modice elongatis, verticillatis 4—6-floris disjunctis, inferionibus tantum distantibus, bracteis villosis cuspidatis calycem subaequantibus, calycis villosi-viscosi ad medium bifidi tubo campanulato pedicello baud duplo longiore, lobo superiore breviter dentato, inferiore bilobato, dentibus omnibus acuminato-mucronatis, corollae calyce quadruplo longioris tubo exserto, labio superiore falcato, achacnis sublaevibus ovalis, foliis intense vinctibus bullato-iugulosis, supra glabrusculis, subius pilosis, radicalibus caulibus miferionibus longe petiolatis ovato-oblongis oblongis acuminatis, basi cordatis, profunde et inaequaliter inciso-dentatis lacinalibus, cauibus intermednis brevibus petiolatis inaequaliter laciniatis vel pinnatifidis, raris submtegnis, superioribus sessilibus angustatis longe acuminatis, caule herbaceo villosi-erecto simplici vel superne ramoso — Affinis *S. pralensis* L. — Habitat in herbosis collium Burgundiae.

Sect. VII. *CALOSPHACE* Benth. in DC. 1. c. 296.

- 14 *S. GORIIFOLIA* Scheele, Linnaea XXII. 587. f. — Suffruticosa caulis erectus 3-4-pedalis tetragonus quadrisulcatus glanduloso-pubescentibus, & pedibus lamosis, rami oppositi

- siti erecti* Folia decussata conacca lanceolata-lineana anastomosantia subintegerrima, maiguo obsolete undulata mucronata, supra sobria, subtus glanduloso-punctata, basi in petioluni brevem attenuata. Racemus paniculatus elongatus Verticillastri 6—8-flori bidcaeu, infirmi remoti, icliqui approximati Bractae lanceolatae uninerviae acutae pubescentes patnussimae vel relaxae, pedicellis longioribus Floies pedicellanti, pedicelli villosi calyce brevioribus Calyx herbaceus campanulatus bilabiatus nervosus adpressus pubescens, labium superius integrum, apice rotundatum, inferius bifidum, dentibus ovatis — Crescit in Texade in pralis prope Neubraunfels.
- 15 S MICROCALYX Scheele 1 c 589 f — Caulis suffruticosus ascendens tetragonus glanduloso - villosus ramosus Folia longe petiolata opposita ovata reticulato-venosa rugulosa appresso scirata acula ciliata, supra appropinquata puberula, subtus ad nervos venasque puberula, scintillans incursus, petioli villosi folio dimidio breviores Racemi pauciflori Verticillastri secundi glanduloso-villosi biflori remoti Bractae membranaceae concavae oblongae villosae cuspidatae deciduae, calyce paulo brevioribus Calyces parvi pedicellati campanulati nervosi MUOSO-VISCOSI indentati, pedicello longiores, dentes apice subulati Corolla tubulosa coccinea, extus pilis glandulosis tomentosa, intus exannulata, calyce sexluplo longioribus, tubo elongatus longe exsertus subincurvus, superne pauisperis amplius nunc venosus, hinc bilabiatus, labium superius rotundum conovum longissimum, inferius triplo longius, inferius patens, lobus interior multo majori crenulatus, breviter emarginatus — Habitat in Mexico
- 16 S OTTONIANA Lehm. in E Otto, Neue Allgem deutsche Grnztng VI. 350 f — Herbacea caulibus stipulibus prostratis persistentibus longissime excurrentibus, foliis brevibus adscendentibus, foliis longe petiolatis oblongo-obovatis obtusiusculis, basi cordato-bistriatis, subtus praecipue molliter pilosis, inaequaliter crenatis undulatis, lobis subsinitis, floralibus nullis, internodiis simplicibus secundis, verticillatis subbifloris, paniculis campanulatis villosis valde glutinosi, labio superiore indentato, inferius bidentato, dentibus omnibus acutis, corollis calyce triplo longioribus (coeruleis), tubo 6\serto adscendente, medio ventroso, labio superiore ei eio galeolo obtuso, inferiore longiore quadruplo piano, lobis omnibus rotundato-obtusis, genalibus galea duplo longioribus — Habitat ?
- 17 S WARSZEWIG/HNA Rgl Floia (B Z) XXXII 184. — Planta suffruticosa caule erecto angulato sulcato pubescente (pilis eglandulosis), foliis longe petiolatis cordato-ovatis, basi in petiolum cuneatis acummatibus rugosis crenato - serratis, pilis brevibus adspersis, subtus pallidioribus, floralibus sessilibus, late cordato - acummatibus deciduis pubescentibus, margine subvillosis, verticillatis multifloris secundis, inferius remotis calycibus tubuloso - campanulatis, pilis singulis adspersis, trilobus, lobis late ovatis acummatibus, corollis calyce duplo longioribus, pulchre caeruleis, labio superiore erecto glanduloso - piloso, inferius duplo longiore — *S. wttcaefoliae* Linn. (Bnih* in DC I c 307 no 170) proximo accedit — Crescit in Guatemala.
- 18 S FARINACEA Benth in DC 1 c 302 no 152 — A. Biaun, Delect sem hort Furburg 1849 p 3 adn — *S. tuchastyla* Benth, Delect sera hort lieidelb 1847 p 4n & Ann. sc nat (3 Ser) IX 319 — *S. amabilis* Knuth & Bouché, Ind sem hort Berlin 1848 p 13. no 14 (*) — 6. *caesia* Scheele, Linnæa XXII 588.

19) S (*Calosphaea* « 6 *Enanthae*) AMABILIS Knuth & Bouché I c — Gaulibus herbaceis erectis, ramis adpresso-puberulis, foliis longiuscule petiolatis lanceolatis acutis, basi lineari-remoliusculo crenato-serratis membranaceis glabris opacis, floralibus squamatis caducis, thyrsis simplicibus terminalibus, demum alabibus, longe pedunculatis, verticillis multo-(sub 90-)floris, nudis, inferius remotis; foliis pedicellatis; paniculis campanulatis decemcostatis coloratis, molliter puberulis, limbo obsolete bilabio villosissimo-fimbriato, labio superiore acutiusculo, inferius vix bilobo, corollae tubo superiore inflato, calycem paulo superante, galea rectiuscula obtusa integra imputa, labio superiore duplo longiore convexo trifido, lacinis lateralibus parvis, intermedia obverse biflora, incinula interjecta minima, inhiens umlocularibus, connectivis postice Annans, stylo superiore barbato — Habitat in Texade

Sect VIII. *ECHINOSPHERE* Benth in DC. 1. c. 349.

- 19 *S. GOSSYPINA* Poir PI Harw 330 no 1908 f — Caule herbaceo erecto subaphyllo niveo-lanato, foliis radicalibus subsessilibus, utrinque lonalis pinnatifidis, lobis brevibus spinoso-dentalis, verticillatis in apiculum terminate conferlis, lobis floralibus calycibusque niveo-lanalis subsessilis, corollae tubo eiserlo, labio infero lobo medio fimbriato — Affinis *S. caulescens* et foito mra vanelis magis lanata et multo minus spinosa Folia omnia radicalia, quom in *S. caulescens* multo minora Caulis scapiformis pedalis Verticillatis minores, foliis floralibus minoribus vix spinosis Corollae majores corollae — Crescit in Californiae valle Sacramento

Sect. XI *NOTIOSPHERE* Benth. in DC. 1. c. 354

- 20 *S. HOLMSTRANDIANA* Schrad, Linnaea XXII 586 f — Caulis suffruticosus tetragonus erectus villosissimus ramosus bipedalis et ultra Folia opposita longe petiolata reticulata - venosa rugosa, glandulis parvis igneis sparsis obsita, utrinque pilosa, subulis canescentia, supra opnea, pilis tuberculosis sessilibus, infera in regulis pinnatisectis, segmenta plerumque petiolata, laevia valde inaequalia alterna vel sparsa ovalia irregulariter triangulata - dentata, basi subtruncata, terminale multo majus late ovatum lobo terminali crenato-dentatum, basi cordatum, apice rotundatum, summa siraplicia imbricatis - crenatis grosse et irregulariter lobata - crenata Petioli compressi alati villosissimi Verticillatis remotis sub 4-floris Bactene parvae oblongae mucronatae villosae pedunculatae vix aequantes Flores pedunculati speciosi puniceo Calyx herbaceus vix turbidus - campanulatus bilobus, basi nervosus, pilis albis et glandulis igneis obsitus, labium superius truncatum, dentibus commixtis brevibus bicuspidatum, inferius bifidum, dentes ovato-lanceolati, apice subulati lobum subaequantes Corolla tubulosa punicea longe exserta, calyce fere triplo longior, tubus superne amplius, infero late piloso-annulatus, extus puberulus, laciniae bilabiate labium superius erectum concavum emarginatum, inferum longius, inferius patens trifidum, lobi laterales rotundati - ovati patentes, medius lobus inversus latior denticulatus emarginatus — Crescit in Texada, in silva prope Neubraunfels

Sect XII. *HEMISPHERE* Benth. in DC 1. c. 357.

- 21 *S. SINAPIFOLIA* C Koch, Linnaea XXI 659 f — Pilis brevibus scabris canescens pluncaulis simplex folia oblonga, basi truncata crenata, supra pilis membranaceis decumbentibus ubique, infra nervis obsita, in petiolo parva minimo auriculata instructa, superius subsessilia, verticilli multiflori, minus distantiores, calycis tubulosi lobis superius lacinialibus, inferius bifidum, corolla calyce subduplo longior connectivum erectum, cauda brevissime producta deflexa instructum. — Crescit in Onie boreali (in valle Tsohabaniz).

t **Species non satis nota, ex calycis conformatione fortasse proprium genus effertensi**

- 22 *S. TURDI* A Richard, Tent flor Abyss II 194 — Fruticosa ramis virgatis incano-tomentosis siliosis, lobis oppositis petiolatis ovatis saepius; obtusis, basi cuneatis inflexis, caeterum crenatis, utrinque incano-tomentosis mollibus, flonibus in axilla foliorum aggregatis, pedunculo communi brevissimo subtulatis, caeterum sessilibus, bracteis linearibus saepius bimis sessilibus, calyce tubuloso arcuato 10-costato villosa, sensim ampliato bilabiato, labio superiore productiore latiore quam longo obtusissimo

3-nervio, inferiore obsolete et inaequaliter 4-dentato, 7-nemó. — Habitat in Abyssinia.

t f **Icones addendae.**

S. OPPOSITIFLORA Rz. & Pav. — Bnth. in DC. I. c. 325. no. 256. — Paiton, Magaz. of bot. XV. 53. (c. ic.) — Van Houltte, Flore des serres IV. tab. 345.

S. PATENS Cav. — Bnth. in DC. J. c. 348. no. 364. — Van HouUe i. c. V. tab. 503.

LVIIa. 8AJLVIASTRU1H Scheele.

(Scheele, Linnaea XXII. 584.)

Calyx turbinato-campanulatus profunde bilabiatus, tubus labiis brevior 10-nerviis, nervi pilis elongatis albis hirsuti, 5 primarii apice nudi in mucronem elongatum dentes terminantem excurrentes, 5 secundarii apice evanidi cum primariis alternantes; labium inferius profunde bifidum, dentes oblongo-lineares tubo longiores, nervo excurrente mucronati, pilis albis elongatis ciliati, labium superius tridentatum inferius vix aequans, dentes late ovati, nervo excurrente mucronati, margine longe ciliati, tubo paulo, parte sua cohaerente integra multo breviores, dentes omnes post anthesin membranaceo-dilatati pulcherrime anastomosantes; faux Calais intus pilis albis densissime barbata. Corollae tubus superne ampliatus, intus piloso-annulatus, limbus bilabiatus, labium superius erectum concavum integrum, apice incurvum, labium inferius patens trilobum amplum superiori plerumque duplo longius, lobi laterales rotundati, medius major transverse latior emarginato-bilobus. Stylus ascendens apice bifidus, lobi subulii, superior longior. Stamina duo prope faucem tubi inserta. Filamenta breviter horizontalia, apice cum anthera articulata. Antherae dimidiatae. Connectiva elongata linearia transverse cum filamentis articulata, postice sub labio superiori corollae ascendente et apice loculum linearem fertile adnatum ferentia, antice deflexa loculum difformem crassum gerentia, libera. Nuculae ovoideo-triquetrae siccae glabrae laeviusculae. — Herba perennis: caule herbaceo ramoso; foliis oppositis sessilibus simplicibus; verticillis bifloris bracteatis racemoso-spicatis; bracteis tero ad basin pedicelli; floribus caeruleis, spicis apice bracteis elongatis coma Us. — Genus in herbarum structura et calycis fauce intus barbata insigne, hac pota a *Salvia* et *Audibertia*, illa nota a reliquis *Labiatarum* generibus prorsus recedit.

*. *S. TEXANUM Scheele, Linnaea XXII. 585. — Crescit in Texade.

LVIII. nOSMJJftJLm US Tournef.

(Bnth. in DC. Prodr. XII. 360.)

[1. *R. OFFICINALIS Linn. — Bnth. in DC. I. c. no. 1. — *Salvia Rosmarinus* Schleiden, Hdbch. der med. pharmac. Bot. I. 265. — „Propriam generis *Salviae* sectionem" *Lyperosphenen* efflcn.— Notavi hoc synonymum, ne incognitum periret.]

LXI. ZIZYPHORA Linn.

(Bnlh in DL Piodr XII 364)

- 1 *L SPIGATA Ca\ Ann lusi mi madr IV no 12 p 254 — Bischoff, Del sem hort Heulell) 1849 p 4 — In De Cind Prodi syst nat legn veg pane XII inter species hujus gneiib a clai Henihinio enumeraias dcsideialur Beams Vablius earn ad Z *HispanKam* peitmeie suspitatus est a C Spiengchuj. re ^Cla (mSjsi veg I p 55) ad jlliim tinxit Cum tamen Z *Hisjanica* apud Benlhamium sub \$ 2 „anlheiis ba*i non .ipperuliculatin" mililet, planla nostra autcm, in dngnosin I s||calae (in Vahn Fnum plant I p 216) bene quadians, anlhens bas appendicula couspicua (i e loculo iotundo tabesconle) praedilis gduddti, speciem a Z *Hispumta* distinclam, ad \$ 3 „anlheri6 ban appndiculalis' (Bnlh 1 t p 366) leftrendam efOeore dtbel

Tribus IV. NEPETEAE Bnth. in DC 1. c 368.

LXIII UTEPKTA Bnth

(Ruth in DC Prodr XII 370 a 699)

- 1 & (*Catana*) MAIXOPIIOHA Webb a Hold) <»tal pi Ilisp Gienn App no 313 — Ascendens liumilis, tola molluer tomenoso - lanaia folii^ptiolatis ovoto-lanceoUtis, basi ttunralis subcordalis>c, apice obtusis, Into ci obtuse cronntis, rugOMs, snpciionbus et lloralibus subsessilibus, raccmo teiminh secundo conlra clo, cunis subs(s<;ilil)us 3—4-fions, caljcibus sessilibus bractcold linean duplo longioibus, dense cjaueo-villosis, abbreviotis rectis campanulaiis, dcnlibus lanccolatis acutis, duolms <up(rionbus paulo longionbus, corollue calycc subduplo longions cynncae tubo exserto, extus villosulo, in foucc pilose — Species i\ *Mussim* llacnk mngm nfflms, nb oa difTcit siatura humilion, coule pnrnm difTuso, tomento undiquo densiurc n mollitei lanalo, foliis ovato-lanceolatis (nee ovatis) basi truncate vel \n trunedtis, cienatuns ludonbus, flonbus minonbus, colyce breviorc etc — Habitat in Hispamae prov Giennensi monte Conico de las Mentirns
- 'Z. N PALLIDA G Koth, Lmnaca \l\ 675 f — Liectd vix podalis, e basi ramosa humulis pubesceiii> folia pallidioia canstentia pubeiula petiolata, ovata, sed basi i,aepe tiuncalu, crenata, suprema minima, spitae vrticilh inlenoies dislintioiespedunculati, omnes mullillon biaciaeae subulatac, pedicellob Mipeiantl*: llos singulus in dichoiomia<longe pedicellatus, calycis denies lubo brtviores, infenores duo mi no res subulati incuivi, superiores mnjores lanceolati, suprcmus maxnnus, corollae vix exsertaB libium supenus bilobum, lobis rotundalis — Crescit in Onente septcnlnonali (Liiwan)
- 3 N BALLOTAEFOLIA Hochst mss. in A Richard, Tern flor Abyss II 196 — Caule erccio aspero piloso; folns subsessilibus ovilibus dcutis aut obtusis, basi cordatis, mnrngino serraiis reticulato -venosis Inrtis, supernc rugulosis, VPIiticiJastris muluflores densis appioximaus, cnlyco arcuato tubuloso 15-costato hirtello, dentibus inaequalibus, corolla calyce duplo longiore hirtellu, tubo sensim amphato — Habitat in Abyssinia provincia bemiene
- 4 N (A/cici(»i<i<fn) VIIU.ATA C Km h I « fito -J——f*nli<iruln Niilicanoseona arm in o IIIINI ruinla nn< OIHIMIIIUIN vli ffillw IIMIIIIIII foln lulu tuitliiii nut nviiln bnni liumntn, peliolo acquilongo mliuctd, ramoium laussunu jinnoiu, sujucmu liuonrj-elijpuca bra-

cteiformin, bracteae lmean - ellipticae, in anstam brevem desinentes, cymulae 3—6-florae, modiocnier pcdunculatae, minus distaniores, racemum rferentes, calyx ex apice coloratus, tubulosus subcurvalus, ore obliquo, dentes supenores ovati, sed acutissimi, infenoies lanccolnti, in anstam brevem desinentes, corolla plus duplo calyce longior, tubo lenui instiucia, semina brunnea — Crescit in Onenie septentnonali

- 5 N RARIFOLIA Q Koch 1 c 676 f — Erecta ramosa puberula subcanescens folia inlenora longe petiolata omnia Idle cordata, ciasse crenata, supcuora rara breviora minoraque, supreme brdcteiformm, biacteae lineares, pedicellum aequantes, panicula* ample, cymulae dittanies longe pedunculatae 3—6 flonbus breviter pedicellalis instructae, calyx ex apice coloratus tubulosus subincurvus, ore obfiquo, dentes supenores oblongi, infenores lanceolati, coiolla tubo tenui instructa, vix cahce duplo longior, semina mgrescentia jsubfunnosa — Crescit in Onenie septentnonali
- 6 N SULPHURrA C Koch 1 c 677 f — Erecta ramosa puberula folia sessiha oblonga cienata, supreme anguslissimn, lineana bracteifoi mia, pedunculo cymigero vix majora , peduntulus iteatim bifldus, in bifurcutione utraque flos brevissime pedicellatus, cy muhe 3—b-florae, cnljcis dentes tubo aequilongi elliptico-lanceoKiti aculissimi, exmedo solo vii ides, tubum corollinum vix excedentes, corolla sulphurea medicns, neutiqunm parva, semina subtuberculalo - punctata — Crescii in Onente boreali (Ilcrasclnn)
- 7 N PONTICA C Koch 1 c f — faults erectus ramosus scabrmsculus, folia inlenora oblonga petiolata, supenoia late lineaua, basi retusa, apico rotundata, sestflia, omma pubciula, suprema subulata, pedunculum brevem aequantia, pedunculus iteratim bifililus, in bifuicatione utraquo flos smgulus, cohçcis dentes lanceolali, nervo viridi Lxcftnente insirucu, tubo vix aequilongi, corollae sulphuieae tubus subtonuis, paululum dtntibui* caljcinis longior, achaema glabcnma, superne papillose — Grescil in moilibus Ponucis

LXVI. li^IiliEMAIVTIA Ftsch. if Mey.

(Bnth in DC Prodr XII 404)

- 1 L SULPHUREA C Koch, Linnaea XXI 679 f — Basi ramosa, pilis brevibus reourvis canescens folia infera ovata cienata, media oblonga crenata, suprema sublinearla •nlegra, biacteae oblongae subcuneiaieve, dontibus onstiformibus longissimis 7 instructoe, caljcis dens suf>rcmus oblongus, reliqui lonceolati, omnes cuspidali, flons Sulphurei lubus inclusus — Crescit in Armenia Rossica

Txibus V. STACHYDEAE Bnth. in DC. 1. c. 407.

LXIX. BRtTSTXXIiA Tournef.

(Bnth in DC Prodr XII 409.)

¹ "MI VUI T.AniS Linn — Hnlh In DC I c 410 no 1 — Wjrlu Icon pi Ind oi IV lab 1448.

LXXI SCUTEIIIARIA Linn.

(Bnth in DC Prodr XII 412)

- 1 SC PONTICA G Koch, Linnaca XXI 701 f — Humilis caulis canescens, folia inferiores oblonga crenulata glaberrima ciliata Integra, spica paucillora, flores sulphurei — Crescit in Ponto

+ Ieones addendae.

- SC INTEGRIFOLIA Linn — Bnth in DC I c 423 no 53 — Torr Flor of New York II 71 f tab 78
 SG MAIRANTHA Fisch — Bnth in DC I c 424 no 56 — Hook Bot Magaz tab 4420 — Von Houtto, Flort des scies V tab 428 — Morren, Ann de la soc dagnc de Gand V 51 lab 238
 SC PILOSA Michx — Bnth in DC I c 423 no 51 — Torr 1 c 70 f tab 77
 SC RIVULARIS Woll — Bnth in DC I c 426 no 61 — Wght Icon pi Ind or IV tab 1450
 SC VIOLACLA Heyne — Bnth in DC 1 c 418 no 29 — Wght 1 c tab 1449

LXXII v THERESA Clos.

((Jos in Ga), Ilisiom de Chile IV [Bot] 496 tab 54)

Calyx campanulatus brevis, ore subaequali tiunculus integerrimus, hinc bifidus subbilabiatus, demum profunde bipartitus, clausus, labio superiore ad basin elevato-gibbo, post antheram fornicato-galeiformi et subtridentato, infuore scutellato Corollae longe tubulosae sensim dilatatae glabrae, vix bilabiatae lobis brevibus, superiore inaequaliter lobato, infuore majore integro Mamma quatuor didynama geminali in approximali, infuora basi corollae insuta longiora, omnia fertilia, exserta, filamenta campanulata (?) nuda, apice inuassata, antherae biloculares Stigmata valde inaequalia, superiore punctiformi, inferiore aculo Achacnia sublaevia

- 1 TH VALDIVIANA Clos 1 c p 497 f lab 54 — Folis sessilibus late ovatis basi-quo cordatis obtusis levibus (lenticularibus, supra glabro-veinosis, subtus subto-mentosibus — Crescit in Chilensi provincia Valdivia

LXXXV. » B ^ A » O M I M A Enyelm. y Lr

(Bnth in DC Prodr XII 434)

- 1 BR HOGMORIANA Schcckle, Linnaca XXII 590 f — Caulis herbaceus tetragonus sulcatus glaberrimus nemosus dorsalis Folia inferiora oblongo-spathulata irregulariter denata obtusa obscure lepidota, superiora oblongo-linearia remote et argute denata acuta, basin versus angustata, basi ipsa dilatata ampliuscula, floralia minor et major late ovata lanceolato-acuminata Inflorescentia spicata pubescens Flores solitarias oppositas breviter pedunculatas, pedunculi apice crassiusculi, calyce multo breviores.

Verticilli inferiores remoti, superiores approximati Calyx late campanulatus profunde bilabintus, per anthesin inflatus, post anthesin declinatus e surrectione labii inferioris clausus indistincte multilocularis irregularis vixosus, tubo labii brevior, labium superius breviter trilobum brevissimum, post anthesin incurvum — Habitat in republica Texensi in pratis prope Austin

LXXX SIDERITIS *linn.*

(Roth in DC Prodr XII 436)

- 1 S GEORGICA C Koch, *Linnaea* XXI 69* + — Folia anguste oblonga petiolata, tunum densissime tomentosa cinereo-alba subintegra obtusa, caulina lanata ciliata acuta, inferiora dentata, superiora integerrima, verticilli approximati, spicium continuam reterentia, bracteae virides villosae, rotundato-nervatae, a calycis dentibus longe superatae, longitudo calycis ejus latitudinem bis et ultra superans — In Georgia
- 2 S STACHYDIODES M Willk *Dot* VIII 78 f — Suffruticosa, tota mucronata caulibus superioribus dichotome ramosis, (ramis oblongo-spathulatis, basi angustatis obtusis inaequalibus, inferioribus ovato-subrotundis, limbo ovali-subrotundo, lobis cordato-trifloris dentatis flores superantibus, verticillatis in spicium brevem dense congestis 6-flores, dentibus) corollae acuminatae deltoideae acuminatae, corolla purpurea — Ciesii in flumine rupium in monte septentrionali montis californici Sierra de Maria provinciae Almeyensis ad alt arc 5000 ped in Hispania

LXXXI MARRUBIUM *Benth.*

(Benth in DC Prodr XII 447)

- 1 M ANISODON C Koch, *Linnaea* XXI 696 f — Herbosum, tomento albo aut griseo olitum folia subrotundata trapezoidea aut breviter oblonga, subrotunda in petiolum attenuata, crasse cretacea dentata, verticilli densi globosi, bracteis subulatis, apice recurvis et pungentibus instructi, calycis lobulati dentes maculati 6—9 pungentes, ex apice recurvi et glaberrimi, bracteas vix superantes, labium inferius lacina media latissima, magis minusve complanata — Crescit in Oriente boreali

LXXXIV. COLICHOSE *Wall**

(Benth in DC Prodr XII 457)

- 1 C COCCINEA Wall — Benth in DC I c no 1 — Hook *Dot* Magaz tab 4514

LXXXVII BUTOVIA *Tournef.*

(Benth in DC Prodr XII 459)

- 1 B MACRANTHA C Koch, *Linnaea* XXI 683 f - Pedalu, saepe ascendens villosa simplicissima folia radicalia minora et longe petiolata, omnia cordata, subtus pallidiora ciliolata, verticilli pauci, subnulli, capitulum densum formosum, terribiliter saepe distans, calycis tubulati dentes lanceolati, breviter antherae, tubo multo minores, corollae tubus elongatus, inferne curvatus, labium superius et inferius hirsutum, antherae loculi subparallelis subbivalves — Crescit in Oriente boreali

7 a GLADRATA C Koch I c 684. f — Sincn, saepe ramosa* caulis pilis reversis ob-
silus, folia inforioin glabia lanceolaia, basi liuncaia inaequali, lanssime subcoidala
denlato-crcnaia, supenora supra pilosiuscula, subius glabriuscula oblongo-lanceolala,
suljiema angusta clongnia domain, vcniulli omnos aepaiuu, scd jpicam referentes,
calyx glabnuscus lelicuhlo - venosus, corollne tubus longus canescens, labia duplo
supcians — Crescii in sylvis Mingrciae & Imcnac

LXXXVIII. STACHYS Linn.

(Unlh in DC Prodr XII 46^ ft TOO)

Sect. I. DASYSTOMA C. Koch, Linnaea XXI. 684.

Calyx supeinc curvulus, ore obhquo apcito, vllis albis longjs clau-
sus, 10-nciMus, labia coiollae c\tus villosa, supeius oiectum Iruncatum
subbilobum subplaiiuin, lacunae labu infenoris c\ medio, ncc ex ejus
basi onentcs, bicves acque longae ac lalae, lacinia media vix dimidio
majores. Ileibae perennes, ihizomate plerumque rcpentc mstiuctac
lanalae.

- 1 ST TIIRKHI C Koch 1 c 685 f — Cincico-aut albo-lanata vel fomejtfosa, crocla ant
adscendens folia pculo aequilnngo instruct! oblongn, sed ad basin allenuata cienu-
lata, supenora lintau-oblonga, so^silm, supromn tinngulnna, spici incrupta, caly-
cis denies ovato-subulali pungnlcs, dcniqne patonUsbimi, coiollae lubus longe ex-
sertus — Habitat enca Biussam
- 2 ST SICDERI C Koch, Linnaea XXI 685 f — Tomontosa orccia simplex folia infcnora
cordalo-ovala cienala, subtus migis albidn flora ha infcnora oblonga, suprcma cor-
daia Integra, calycis denies ovato-lanccolali anstati, bractcac lincan-lanceolatae,
calycis tubo breviores, veilicilli mfenores magis distantes, calycis denies patuli, la-
bium supenus angustum — Crescii in Ononte

Sect. II. EIUOSTACHYS Bnlh. in DC I. c. 462.

- 3 ST CORDIFOLIA f Koch I c 685 f — Uulis ereclus pilosus, superne glandulosus;
folia coidata, supia pilosa rugulosi, subius glandulosa et lacunosa, crenato-serrata,
floralia tantum sessilia submlegia, veilicilli distanics dcnssissimi, biactea◇ lanceolatae,
calycis longiludmc, denies calycini lanccolali anstati, iniei sc aquales, sed supeuo-
res allius oili, corollae tubus VK exsertus, labium supenus crenulatum, extus villo-
sum, infeiiions extus euam pilosi lacinia maxima lotundata — Crescit in Oriente. »
- 4 ST DYZANTINA C Koch 1 c 686 f — Caulis ex rhizomato longe lepenle ascendens,
pilis adpicssis obsiius, folia mfenora minora oblonga, peliolo scmiamplexicauli op-
posito connato insiructa, crenulata aut subintegra, subtus albo-tomentosa, supra pi-
losa, sed vindia, suprema ovata; calycis denies patentes, apicc recurvi, lanceolato-
tnangulares anstati, tubus corollae parvae mclusus, annulo piloso denso instructus,
spica brevis oblonga coniinua. — Ciescit cuca Djzaniium »
- 5 ST ELATA C Koch I c 687 + — Erccta elaiia ramosa, pilis mollibus obaiia. folia
infcnora coidato-clliptica seirala, superne plana et vindia, infei ne canescentia, nervis
etiam margmalibus conspicuis, floralia ovato-lanceolata cuspidate, verticillis longiora;
braciae hneares, tubum caljcinum vix curvulum aequanics, denies calycis subulati
subaequales, lacinia media labu infeiiions corollim obcordata, aequilonga ac lata,
stamina dirndium labium supenus attingentia — Crescit in Onente boreali

- 6 ST HYPO! EUCA C Koch 1 c 688. f — (nulls erectus villosus, folia elliptica, supenora otatio hnceolata, supromi ovaio - acuminata, omma plamusculn, supra villosa vindia, sublus ilbula crenato-seiran, supremn Integra, verucilli minus densiflori, spicam inferne interrupting leferentes, bracteie linean - lanceolaiae linpwbus et minonbus iniermixK, calycis denies lanceohti, mmime pungentesom austati, labium supenus el inferions lacima media crenuhia — Croscil in Grusia
- 7 *ST GERMANICA Linn — Bnlh In DC I c 464 no 10
 a *genutna* G Koch 1 c 687 f — Dense Janata, denies caljcini iriangulan-
 anstati
 P *alpigena* nigrescenti-lanata, bracteae elongatae, calyx campanulatus, dentibus
 tngularibus brevibus in<uructus
 Y *Banatica* foln tenuiora angustiora (lonlia linean - lanceohta elongita, bra-
 cteae calvcibus sublongiores, denies calvcini ovato-lanceolali — *S polyilachys* Rchb —
 In Banalu
 &• *Tauuca* densissime villosa, folia elliptica, basi cordata, denies calvcini duo
 mfenores apice incurvi
- 8 ST HYPOLFUCA Hochsi m«s in A Richard, Tent Hor Abvss II 197 — Suffiuti-
 cosa ramis virgati? albido tomeniosis, folns \ix peliolalis lanceolalis acutissimis, basi
 rotundatis, superne vmdibus hin&llis sublus nlbido - tomentosis reliculnto - venosis,
 maigine integris, flonbus bieviter pericellatis, in ixillis foliorum supremorum aggre-
 gaiis, caljce campinulato albido-lomentoso 10 co<tato 5-deniato, dentibus acutis sub-
 aequalibus, corolhe exierne pubentis lobio supenore erecto subquadraio, apice bifido
 — Habitat in Abyssimae provmcia Semiene in monte Taber

Sect IV *STiCHYOTYPUS* Dumort — Bnlh in DC 1 c 468.

- 9 'ST PALUSTRIS Linn - Bnth in DC 1 c 470 no 34
 P *clongata* C Koch, Linnia XXI 689 f — Caulis retrorsumhispidus, foln ellip-
 lica, praesetlim subtus mollia, sublanala, spica elongate
 Y- *angustifolia* C Koch 1 c —Caulis letrorsum lupidus, folia sossilia anguste
 lanceolaia praeseuim subtus seuceo lanata, disiantia
- 10 ST UMBRO^A Scheele, Linnia XXII 595 f — Annua caulis debilis a basi ramosus
 tetragonus sulcatus piloso - hirus Folia vnldē remota peliolaia ovalia grosse crenata
 utnnque vindia, sparse pilosa, sublus pallidiora, nervis piloso-hirta, basi subcordata,
 apice roiundata, floralia ovata mucronaja, basi truncate, flonbus multo longiora Pe-
 tior piloso-hirti longiludme decrescentes, infimi elongau folio longiores Verticillasri
 axillares remoti 1—2-llori, pedunculi calyce breviores Bracteae nullae Calyx tubu-
 buloso-campanulatus 10-nervius pubescens, obscure bilabiatius, fructifei inflatus, labium
 supenus tnfldum, infenus biQdum, denies omnes aequales lanceolato - subulati ciliati
 spmescentes erectmsculi, lubum suum subaequantēs lubo corollino longiores Corolla
 roseo-alba parva tubus inclusus extus pubescens, intus transversim piloso-annulatus,
 limbus bilabiatius, labium supenus minimum inclusura erectum emarginaium, infenus
 glnbrum multo longius, calyce dimidio longius, patens inlobum, lacima medio maxima
 Integra, apice rotundata — Crescit in Texade prope Neubrainfels
- 11 ST PYCNANTHA Bnlh Plant Harlw p 331 no 1922 — Herbacea erecta piloso lus-
 P'da folns petiolaus ovatis oblongisve obtusis crenatis, basi subcordatis, floralibus
 sessihbus lans, calyces aequantibus, veriicillastris sexflons in spicam densam con ft.r-
 »s, calycis caoipanulalii dentibus lans acutis subpungentibus, corollae tubo incluso,
 labns breviter calycem superantibus — Ab afflnibus *S Macraet* et *S ojugoidi* differt

inprimis inflorescentia et corollis mmonibus Galea hirsutissima sed etiam in 5 *ajugoidi* pilosus est — crescit in umbrosi* montium Cirmel in Colifoinia

- 12 ST SHIRATA ClosinGiy, Hisiom de Chile (Rot) I\ p 500 f—Herbncea piloso villosa ramis teretibus longitudo flucudis, folus longe et icriiiter petiolais subhnceolalo-oblongis angustis, grosso el nequ IIIII serrili>, floiilihui stsilibus Imcaribus, suprenns tiljci -)Lr|uilon^is VPIIIIII sins SPXIIIIIS, itifen nibus n mous-iinis, caljcis campanuhn dentil us hnceohio icuiii ^ubspinosus, toiolhe piibnuhe limbo solo exseilo — Ciescil in (hilcensi piovmua Coquimbo, Aiqucios, Rivaduvia etc

Sect VII CHAMAESIDERITIS Rehb — Bntli in DC 1 c. 483

- 13 ST M[FR\MM\ C Koch I c 690 f — Annuca caulis erectus, c bnsi nmosus, pilis bnvibus subennsrens, folia inolln crenn, omnia etnm infuori ln* i ntienuaia oblongn, fluinln supiem i exceppei, confoimn, \erticilli k Ron, ciljces dentibus hnceolm-s instills insini u, corolh pirva t denlihus cilycmis minime cxstria, lubiun supmus coiOllmum truncalum, sed cmnigimmm — Crescil circa Riussam
- 14 ST ADriSOCAUX C Kocli I c b9i f — Anm (') ciorta nmosn, ex pirtemfenorl gljbornmi suporion conti I puboiuh cl ghndulosi, foln ohlongn aut o\aln, infenora crenntn supenoi r(m)U dinnti, su|i<mi inio^i », ciljx glanduloso - pubescens, denlibtis hnceool ms nMiiis, voiuicilli sub 6 fion corolhe tubu^ mngniludino cahcis dtntibus pi ipditi — CKSLII in Oionie boreili (Radsclnh)
- 15 ST ATIII ROCAr ^X (Kodi I c'691 f — Hun cipen nut ascendens elnti nmosa foil i inkioi i OI)IOIH,T, bisi iitonuili sin in pdiohti, supenon an^usus oblongi, neuin cl iisinn sonnhn stiprr mi sul Imeirn, (lot ill i o\ n o - hnteo hn iiiNlnla inle-gi i \Liticilli disniiii IPS sub S-Iloii, nljcis dmus hucpohu iul subulaii, longe niistui luliurri sii| PI InIc», lubus coiollmus exseilus, sed deniibus ohcims minoi, labium supct ms nxlciue | ilosiim — CM sul in Ciutnso
- 16 ST SIDCUIDOIDI S C Koch I c b9^ f — HnM plminulis ciules sincti simphees, foli i lincuin sts<|iiipollicmi ex pnrice Miptnou I inlpm sciiuhn, vtriciilli npproximi sub 6 lion a ft Ins Hoi ilibus ipicuhlis sup iiti, cnhris denK s elonpiu hnceohli, &ed in nustim long mi c\CIIIicutes lubo inulmm mi|ores, tub is coiollmus LTSCIIUS, sed (kniibiis caljtiuis mulio bievioi — Cttscit in planuic Dobiubcte ad osiia Danubn
- 17 SI I INrARIFOI IV C Koch I c B92 f — Perennis eiecta, nut ascendens ramosa, pilis ndpiessis obsiln folia anp^usiissimL oblong nullinenna, Hoi ilia ovnio Innceolaia, veriiddli 6 — 8- flou, d< n^nm spicnin e\ bnsi solum intciiuplirn rcfpiPnies cahcis dpni< s I iicpohlo instill lubo cimpinuhto vix lon(,ioies, lubu^ coiollmus rxserlus, Incinia medn labii infeiions amjta, lacmne laleiales paivulae — Crescit in Oriente borcali
- 18 ST IYCOPSIFORMIS C Koch 1 c 692 f — Ascndons difTusa, ramis patentissimis, pubescens lolia oblongo - lanceolnta senuhta, infenota bi eviiei peiolati, florulia verlicillis 4—6-flons longiora, cnlycis denies lanceolau subnnslati, tubus corollinus vix pxserius, hbium superius emargmaium, floies puipurascentes (') — (rescit in Ouenle boieali
- 19 ST CAUCASICA C Koch I c 693 f — Procumbens, ramis erectis out ascendens ciuli9 (aues allernatim pilosac, foln oblonga in peliolum aitenuaai, 9 crenatn, pilosa, flonlia ovito-hnceoldia inKgn ghbra, suprema \eriicillis minora, spica 1—2-polhcans, \erticilh sub 5, mfttiorts dislanies, supiem i densi sub-6-non, cahxghbnusc ulus, deniibns inangulanbus sed ansiaia, lubo coiollino paene duplo minor — Crescit in Caucaso

LXWIX. GAIIEOPSIS *Linn.*

(Ontb in DC Prodi XII 497)

- 1 G SULPIUREA Jord Cit du jard deDijon1848 p 19 — Verticillnstris in summo caule ramisquL npproximatis dmse mulufions, C>DCL> dentibus ix basi angusle lanccolala longt subulato-spinosis, lubum YIX supcianubus, coiollae sulphurcoe lubo calyce subduplo lonpMOie, a btsi ad Uriarn parlem supenorem lineau-cjlinduco, superno amplinto, labio supenore tubum dimidium aequanic cicclo ovato convexo obsolete tnlobato, apicc acute doqgculalo, labu mfenoris lobis patulo-dcflexis, lateralibus ovaiis subdentalis, inteimedio longioic obovato quidiato denliculato, carpellis ovaiis Itie acque longis ac latis folus lnete vnentibus sparsim pubescenlibus late ovato-lnteolaiis longe dcuminalis, basi roiunditis in petiolum dimidium limum aequantem contiaclis, margine serrato-dmtaiis, seiratuna ovaiis subacuiis, caule hispido sub gemculis m-cra&salo — Planta annua — Habitat prope Lugdunum
- 2 G PYRCNAICA Bartl Index semin horl Gotting 1848 pag 4 adnot — Mollissime pubescenti-villosa caule sub gemculis aequuli, folus ovatis crenalo-serratis, bisi subtruncatis — Afflnis *G Ladano* sed terlissime diversa — Giescil in monlibus Pyrenoicis onenlolibus
- 3 G GLANDULOSA C Koch, Linnaea XXI 681 f — Ramosa ramis b'rachialis glanduloso - pubescenlibus, folia oblongo-lanceolata pubesceniia, floiulia quoquo circumserlata redcxa, calycis denies pungentes tubi paenc longiludine, corolla longe exseila, tubo pallido, cacierum violacea, labu mfenoris Lacuna media area ochroleuca crispa instructa — Crescit in Taunca Chersoneso

XC IiEOHnjRUS *Linn.*

(Dnth in DC Prodr XII 499)

- 1 L DISCOLOR C Koch, Linnaea XXI 680 f — Caulis angulis puberulus, coeterum globnubculus folia palmalo-parliia mcisa lobis lanceoldlis, supreme tuparliiH, omnja glnbuuscula, supra Mndn sublus glauca, bractca magis minusve reflexn, calyx viudi-pilosus, lobi laterales labu infeuous coiollim lotundali — Crescil in Aimenia Rossica
- % L INTCRMEDIUS Diduchsen, Ind sein hort Haumens 1849 p 14 — A sectionis *Curdmae* speciebus dilFeit lubo recto sen&im dilaiato el lobo medio labu infeuous bilobo, ab us scclionum *Lhaiiun* et *Pameitae* labio supenore subplano et tubo lotus OnnuUio INuces glabrae — lahui

XCI ITIEIJEMA ^^IA *Fisch. if Mey.*

(Bnth in DC Prodr XII 503)

- 1 ' W ORIENTALIS Fisch & Mey — Bnth in DC 1 c no 1 — Fisch Sert Petropolu I tab 4

XCII. IIAMIUJH *Bnth.*

(Bnlb in DC Prodr XII 503)

- 1 L *{Galeobdolon}* HETEROPIYLLUM Scheele, Linnaea XXII 594 f-(Flora IB Z]1843. p 567) — Caules basi piocumbentes, rami ascendenies sjmplicos angulau subpedales

pilis reflex is sub nodis villosi, caeterum glabrusculi Folia longe petiolata venoso-nervosa vincta, utrinque glaberrima, margine compressa ciliolata, infera minora late ovata, glosse duplicato-incisa - dentata obtusiora, basi truncata, media longiora ovalo-oblonga acumata duplicato-dentata, basi cuneata, summa lanceolata simpliciter dentata acumata, basi cuneata verrucillos longe superantia Yerticillas in axillares remoti pauci-(2—5)-florum fructae lineam-subulatae reflexae MX puberulae calycem dimidium vix aequantes, tubo calycino breviores Calycis sessiles turbinato-caulpanulati puberuli, dentes calycini 5 lanceolati, apice subulato-angusti inaequales patentes, tubo suo breviores, superiores longiores Corollae rubrae tubus inclusus, mltus oblique annulatus, sub annulo contractus, supra annulum dilatatus, fauce parum dilatata, limbo* bilabiatus, galea oblonga elongata mucronata Integra, basi angustata, calyce plus duplo longior, apice crenulata barbata, labium inferius trilobum subreflexum, lobi laterales ovati acuminati, medius longior Antherae glabrae exsertae — In Dalmatia

XCIV. *LIACTOCHILUS* Bnge.

(Benth in DC Prodr XII 514.)

- 1 L GLABERRIMUS G Koch, Linnaea XXI. 679 f — Caulis ascendens glaucescens ramosus, folia (vulga, dentes subquadrifidis obtusis, petiolata, spinae in axillis nullae, vici licilli approximati, spicam brevem aut capitulum inferentes; bractea ellipticae, in acumen subpingens alienariae, achaema ex apice glabra. — Crescit in Taunus Cheisoneso

XCVI. *BALISOTIA* Benth.

(Benth in DC. Prodr XII 516)

- 1 *LI* ROTUNDIFOLIA G Koch, Linnaea XXI 697 + — Ascendens lamosa, dense et gremio-lanata folia rugosiuscula rotundata aut biciliata ovata et cordata, breviter petiolata crenata, vici licilli densi, bracteis & subulato-lineamibus laevibus, sed apice brevissimo glaberrimo et pungente insuavis, calyce minoribus instructis calycis dentes subulati, apice glaberrimo et pungente excepto villosi dimidium tubo vix aequantes, ~~serius~~ patentes subaequales — Crescit in Oenone boreali

XCVII. *OTOSTECIA* Benth

(Benth in DC Prodr XII 522)

- 1 0 TOMENTOSA A Richard, Tent flor Abyss II 198 — Folia brevissime petiolatis parvulis unguiculatis obovatis obtusis, basi obtusis aut subcuneatis, margine subrepandis, utrinque cinereo-tomentosis, subtus leucotatis, foliis 1—2 in axilla foliorum subsessilibus, bracteis lineamibus, calycis tomentosi tubulosi labio <superiore vix prominulo lobo, obsolete 5-dentato, dentibus macqualibus obliquis mucronulatis, intermedio et lateralibus minimis, intermediis latioribus, labio inferius productio lato oblongo, latiori quam producto obtusissimo subemarginato (!) — Habitat in Abyssinae provincia Ouodgerate

XCVIII LiEUCAS *Bnth.*

(Bnth in DC Prodr XII 523)

- 1 L (*Loxostoma*) NATALENSIS Sonder, *Linnaea* XXIII 85 f — Cnule heibaceo erecto retrorsum adpresse piloso, folns petiolatis ovatis grosse paucidentatis, utnque pilosiusculis, verticillasins sub-10-flons, bracleis minulis spinosis, cnlycibus pilosis, ore obliquo mfia.produco, deniibus 10 subulatis, infenonbus lationbus — Port Natal
- 2 L (0) *tholeuca**) COLLI^A Dnlzell in Hook Kew gard misc II 338 + — Suffruticosa erecta ramis letragonis adpresse tomemoso-\illosis, folns petiolatis ovato-lanceolntis acutis, basi cuneatis grosse crenato-serraiis, supia mollitei pubescentibus vindibus, suluus adpresse lomentosis canescentibus, verticillasins 10-lions, hracteis cilialo-hirsulis hneanbus vel angusle spathulalis calyce dimidio brevionbus, cniyce tomentoao turbihato-tubuloso, ore aequali, dentibus erectis subulntis, alternis brevioribu* — Folia 3 — 4 - poljicana , 1 — 1^l, poll lata — Habitat in Indiae orientals distinctu Concano
- 3 L. MALAYANA Hance, PI nov Austr Chin dingo ined I p 15 — Herbncea caule letiagono adpresse pubetulo, folns brevier petiolatis lanceolatis intpgernmis vel obsolete paucidentntis, utnque sparse pilosis, subtus pallidis, verticillastns plunflons mpimiis, bracleis subulatis pilosis rahcem nequantibus, calycibus tubulosis subincurvis pubenti-villosis, ore subaequali, dentibus 8 brevibus triangulaiis rectis acutis viz innequalibus — llnb in ins Singapur — Herba seimpedalis \el ullru Folia iy_a—2-pollicaua, utnquo angustata, floralia parum angustiora Verti cilia sin ad apices ramouum sohtaiii 12—20-(Ion Corollao tubus intus transversim annulatus, galea pilis albis dense obsita Antherae aurantidco-laiermae

f Iconet ftdendite*

- ^l LANCEAEFOLIA Dsf — Bnth in DC I c 529 no 30 — Wght. Icon pi Ind or IV
b
-
- ** ROSMARINII-OLIA Dnlh in DC I c 528 no 26 — Wght 1 c tab 1455
-
- SUFFRUTICOSA Duth m DC I c no 25 — Wght r c tab 1454
- J* TERIMFOLIA Dsf - Dnlh in DC I c 529 no 28 — Wght I c lab 145J
- L URTICIFOLIA R B r - Bnlh in DC 1 c 524 no 2 - Wght 1 c tab 1451
- L ZLYLANICA R Br — Bnlh IDDCIC 531 no 38 - Wght Hlusir of Ind bot II
lab 176

CL PHIIOHUS *R. Br.*

(Bnlh in DC Prodr XII 537)

- 1 PHL (*Oxyphiomis*) GHILANENSIS C Koch, *Linnaea* XXI 698 t- Folia anguste ellp-
llc a crenulaia, pilis stellatis sed brevissimis obsita, supra vindia, subtus cann, Ooralia
«e» silia aubliaearn Integra, veilicilli 6-8-Don, sub-3 aequidisiantes, broctae sub-
laiaio, sed muuusculae, pilia longis flavescentibus dense obsitae, calscem vix aequan-
lea» denies calycis villosi, ovato longe acum.nat., tubum corollinum ex longiludine
su Perariies, |_Bb.um supenus complanatum, ex apice truncaium, labn inferior.* aequi-
Jⁿ«« lacinia media obcordaia, laterales inaequalier bifidae - Crescit in alpbis
Gh^hlanicis

- 2 PILL SUPERIU r Koch I c 699 f - Stucia, pill* stellalis elongalis don«e obsita folin oblongo nigosa, sublu* palliriioia el iciicuhlo-venosa cienulata \crtiulli multi-flon, IimciciG subulaiao |iungenio», calycom ex longiludme aequantes, denies caljcmi ovau complunati, scd in Ionium acumen snbuliloime excunentes, corolla magna (lava, labium supenus ex npicc bidentaium, infenus ascendens clongalum, lacinia medii obcoidui lalcralibub hilohis paivis insiructum — Cicscil in Kuidi&lama

Tnbus VI. *PRASIEAE* Bnth. m DC- 1 v 550.

LV GOUPIF OSTEMHA Wall

(Bnth in DC Piodr XH 550)

- 1 ' C^T "RYNEANUM Wall, — Bnth in DC I c. 557 no 3 — Wght Icon pi Ind or IV lab 1456
- 2 * G OBLONGUM Wall - Bnlh in DC 1 c no 6 - Wght 1 c tab 1457

Tnbus VIII *AJVGEAE* Bnlh. in DC. 1 c. 571

CXX TfilTCRIUHI Linn.

(Bnlh in DC Prodr. XII 574 a 700)

- 1 T (*Scoiodonta*) FULVUM Hance, PI nov. Austr Thin diagn medit I p 5. — Suffrutescens crectum ramis potiolisqne dense fulvo - tomentosis, folns peliolalis ovati> crenato - «sciiniis tomenloso - velulinis, sublus pnllidis, raccmis laxis secundis, caljc* purpurnscente villoso, labio supenore latiorc, corollne dilute roseae cxtus subvillosaO tubo cnlyce incluso, slamimbub basin versus tomentosis, antlicn* lalcntiis — Hong' kon; Chmonsium
- 2 T (*thamauhus*) MJCHCNSC \$ Koch, Liinaea XXI 704. f — Canescens ramis elon* gdlis simpli(IUNCUISJ (olin ovata crtnaio- senata, sultilo in peliolum inplo breviorcID tianscuntia, fuln lloralin mfcia hicc acquantu, media apicc Uuncalo dcnlato, ^{sU} picma biloba, \crlcilli quinqutloii, folia subacqmiles, caçcis denies subaequal* triangulaiej), bicvitei ncununali, tubo plus duplo nunores — Ciescit in Orient' boreali
- 3 T SYSPIREISSE C Koch 1 cit + — f.inescens minis semipednlibus simpheissirnUi folia oblonga crenato -scinta, subtus pallidioia, in peliolum bievcm ailenuata ^{Obtt*} • siucula, floialia inlenora ex pane supenore sola crenulala, supenora integia, ^{omni} verticillo 4—6-floio minora, prdunculus cnlyce vix minor denies caljcini lanceolati, albo-lanaio maigine lhstrucli, lubo dunidio majores, ilores inlense purpurei — ^{Cree} cit in Grusia
- 4 T SCHOIHCULATLM C Koch 1 tit 705 f - Fiutescens lomrs diffusis ^{ramulosi} ^ supcine pubescnubus, folia oblonga pubescentia, subtus pallidioia el tenuiter s^{croi} biculau, supeme rugosa, marline levuluto cienulaio, flornlia jsubintegra, ad basin st apicem ntenuala, \eiticilhs billons bre\ioia braceifoimia, pedunculus vix cal)C« ^ Uculnto mmoi, denies calycim ^ubacuales ovato - lanceolati, floies ^{purpurei} . Crescit (in* Oriente) ?

- 5 T (*Pohum*) SPICIGERUM G Koch 1 cit 706 — Tomentoso - conescens folia oblonga, et parte superiore crenulata, margine subevoluta, bracteae lineari - oblongae, flores spicam brevem et densam referentibus ut superantibus, dentibus calycini tubulosis curvulis oblongis obtusis, lobis purpureis. p. labio v. c. — Crescit >

t Icon addenda.

- S TOMEMOSUM Heyne — Benth in DC 1 c 582 no 37 — Wight Icon plant. Ind or IV tab 1458

Ordo CLXVIII. GLOBULARIACEAE *Undi*

- (Alph DC Prodr XII 608 — *C. lobulnrac* Lam — Wlprs Recept IV 174 — M WILL-
*OMM_r Recherches sur l'organisation et la classification des Globularides Avec
quatre planches coloriées, dessinées par l'auteur Leipzig 1850 4. p 32)

I CARBADORIA A. DC.

- (Alph DC Prodr XII 610 - Willk Recherch Globul 16 tab 1 fig 2)

Calyx pentamerus subaequalis **Corolla** 16-nervea bilabiata **Labium**
corollae superius monomeium inferius trineuro brevius **Nectanum**
nullum **Stigma** pinnatifidum — **Herba** caespitium clivacibus **Globu-**
larium, sed ab omnibus partibus characteres generis capitulis vere
terminalibus distincta **Flores** caespitiae (**Character** emendatus)

- 1 (INCANESCENTS Alph DC 1 c no 1 — Willk 1 c — *Globulmia alpina minima*
Montf. Tournef Inst p 467 — *G. incanescens* Yv Fl Ital fragm fasc I p 2
P 3 — Cimbesspdes, Ann des Sc natur IX p 15—31 — Wlprs Recept IV 175
J^o 3 — Ruchenbach, Icon IX p 4 Fig 1079 1089 — Crescit in locis montosis
in rupibus marmoris Cnirarum alpinisque Appuams

II OLOBULARIA Tournef

- (Alph DC Prodr XII 611 — Willk Recherch Globul 16 tab 1—4 — Wlprs Recept
IV 174)

Calyx pentamerus subaequalis aut bilabiatus, labio
superiore inpartito, inferiore bipartito paulo longiore **Corolla** plunmis
inferioribus, plerumque bilabiata. **Labium** superius semper bipartitum,
inferius plerumque nullo longius inaequum. **Nectanum** annuallie **et**
herbaria **glandula** antica hypogyna. **Stigma** bilobum — **Capitula**
semper pedunculata axillares, numquam caulem vel lamum lumi-

nantia. Squamae paleaeque enducac vel persistentes. Flores coerulei.
— Herbae perennes, suffrutices et frutices.

Seel I UODULAMAE TYPICAE.

Capilula sohlana pedunculos Jongos cauli- vel scapifoimes e rhizomate vel caudice lienoso prostrato prodeuntes, mapis minusve bracteis alternis plerumque foliaceis instructos terminantia — Herbae aut suffrutices 1 olia ad apicem ramorum rlnzomatis vel caudicis abbreviatorum congesla, saepe dense rosulata, distincte petiolata.

a Coiolla distincte bilabiata, 45-novia Labium supenus infenore brevius

' Hubae

- 1 GL TRICHOSANTHA Fisch & Mey — A DC 1 c no 1 — Jaub ft Spach, Illustr. pi oicnt HI 75 lab 259 D — Willk 1 c 17 f ml) 1 flg 3 — Fohis obovato - spatulniis glabnrnmis, podunculis usque id apicem bracieatis, bracteis in peliolum bre-Mssimmm nngust iis auiminoiis, cnpiulis eieclis, squnmis involucn poleisque inner-MIS, illis i blongo - hncoolntis long* ticuminaiis, his lanceolaiis aculis, calyce subaequnli quin(i]cpaiiio, scgmniis pitentibus lnnceolaio - subulalis, tubo tnplo Ion-gionltus, coiollie LIHO ifilcnote tnpaitito, segments angusle linearlius u»quc medium tncivjis, labii supeiions sp,Mncniiscapilhubus — *Globularia vulgmu* (3 *DilliycaGri** seb — (yjescit in Asia miiion
- 2 GL \ULGARIS Linn — A DC 1 c no 2 — Willk 1 c 18 f tab I fig 4 — Folus obovatis pculatis quinquenprvus vel quintuplinervus nudis, pedunculis pleiumqufi usque nd apicem biactealis, biacteis oblongo - lanceolatis acuminatus sessilibusj capitulis ereclis, squamis ovato-lanepohus dcuminaiis tnneivns, paleis lanceoluti8 uninervus, calyce piofunde qumquefldo, lncinus subaequnlibus lanceolalo - acummatis PIecus, lubo dnpio longionbus, coiollae labio supenoie brevi, sogmentl* acuiusculis, infenore multo longiore profunde (npnitio, segmontis linearibus obtusi^ basi umetvns, caelcrum umnciviis — *Ihllis toerulea caule folioso* (, Bauh — *Sett' hwsa lhlhdib folio humilts, Globularia dicta, caule folwto* Morison - *Globularia vul-gai* is Linn — *Fauna normally* folia bipollicarin, limbo obovato - spalulato, **integr^o** vel emarginato vel breviiier indeniato Pedunculi semipedales, usque ad capitulud¹ laxo brncicati, bracteis ovali - innteolaUs Capiiuln 6''' laia Corolla calyce sem^e longior — *loimae abnormes puncpalpt*
OL latifolia p<dunculo subnudo, limbus folioium 1'' latus Pedunculi grac/JA virgati puucibracteaii vel supeine phnenudi, bracteis minulis 3—6''' longis. Capl' tula mediocria — (*Gl vulyaus* € *caule non fohoso* Roem)
p. microcephala angustifolia, folia ovali- spalulala, 3—6'' laia Capitula 3—^h
lata Pedunculi paice broclenu
Y squamosa pedunculi dense bracleali, bracleis magnis subimbricatis Capi^{ulif} majusculn
5. *subacaulis* pedunculi 'a' longi et breviores Folia 2'' longa, limbo obov^{to} vel ellipiico mlegcinino [*Gl vulgmis p. tubacaulis* A DC] — Crescit in rupe<in>^a poscuii>que npncis Europae fere totius (insults Dnianmcis regionibiisque polanbus excfip' Us) atque Asiae minons In alpbis non ultra 2500 ascendcre videtur
- 3 GL PALLIDA C Koch LinnaeaXXII b54 f—Radicans glabemma folia radicaHo <Pⁿ thulatn umnervia, apice emargmaia et denticulate aut integruscula, caulis secufldji^{er} flongeri distantia, oblonga acuminata sessilia, involucn phjlla (aut bractee) o^lij mteriora angustiora ovato-lanceolate, calyce duplo breviora hirsuliuscula; c^{Bl} lacimae anguste lanceolatap auslnlae hirsuto - uliulne, lubum toiollinum longe ^{sup^a}

iantes, lacimve corollinae pallidae (albac am sulphureae), linqares, 3 duabus duplo longioies — Habitat in Ponio

- 4 GL SPINOSA Linn — Alph DG 1 c 612 no 3 — Willk 1 c 19. f tr,b 1 fig 1 — Folsn ellipuco - spnlhulalis, ipice 3—7-deniatis, quintuplmervus lepidoto - punctntis, pedunculis usque ad apicem braciealis, bractei* lanceolulis acuimnais acutis&imis, capiulis spocioajs erectis, squamis evtenoiibus ovato - acuminatis neivobis paleisque lanceohtis umncrvus oculissimis, caljce bilabialo, segmenlis labu supeuons connivenbus infenons patulis, omnibus hnccohlo - acummalis tubo bievionbus, labu colloiae bupenous segmentis angustis, versus npicem dilatulis interions supeims longitudine semel superanus segmenis linearibus oblusis, basi innervns, caeterum umnervns — *Gl tpinosa* Tourucf»

a *minor* foliorum limbus petiolo semel longioi, 10—14 longus, 5—7 latus apice 3—5-(rinus 7-)dcmatas, dentibus inucionatis sub»pinosis Cnpitulum 8—10 latum bquamae 4⁴, paleae Z%—3, calyces 2—2%, corolla 3'A-5 longi.

P *majoi* foliorum limbus pcliolum subaequans V/i—2 longu* 10 — l>/_a latus, inlegemmus, mucronaius vel npice profunde trideniatus Capitulum 14 latum omnibus ptitibus ilorahbus majonbus quom in forim a — Grescit vnr p in Hispania et in monlibus uisuhc Mallorca prope Eiporlas, Lluch etc, var a in montffms cegm Granatensis, et —quod maxime muabilt — in insula Oelandia

" *kufliutices*

- 5 GL VALENTINA Willk 1 c 21 f tab 2 — Foliis obovalo - spatbulatls muctonatlis in — quintuplinervus, margmeundulaio-crenulaiis, peduncuds laze bracteatis, supeine nudiusculis, brncitis lanceolaiis pungenli-acuminatis, capiulis cernuis, squamis exterioribus late lanceohtis acummalis innervns, paleisanguste lanceolatis in apicem Ion-gum subulalum acutissimum pioduclis uninerviis, calyce bilabiato, segmentis tubo brevioiibus lineai i-subulaiis acutissimis labu supenons commveniibiis, mfenoi is palulis, segmentis labu corolhe supenons ingustissimis fliformibus, \ersus apicem dilatatis, oblusis, labu infenons gracilibus fltxuosis, anguslc lineaiibus oblusis uninerviis — *Gl sptnosa* Kunze (non Linne*, nee Miller, nec Laimik, nee Cambess6dcs) — *Gl spinosa* A DG (ex |>) — Grosct in monte calcaieo Sierra de Clma ditto prope urbem ^alentnm, ubi in pascuis SICCIS apricis locisque glareosis ad alt cue 3—4000 crestit

- 6 GL COROIFOLIA Linn —Alph DC I c 612 no 4 —Willk 1 c 22 + tab 4 flg 1 — Folsn spaihulntis, apite pleiumque coidaio- emarginalis uninerviis, pedunculis nudis T^ol paucibracteatis, bracieis minutis scanosis deciduis, capitulis ceinuis, squamis exturionbus obovno -oblongis mucronato-acuminatis, basi atteouatis, 3—5-nervns, Paleis duplo angustionbus lanceolatis, in basin angustatis, mucronato-acuminatis umnervjis, caljco bilnbialo, segmenis tubo longionbus lanceolato-acuminatis, labu supenons erectis, jnfenons patulis, labu corollae supenons segmenis lintanbus angu-^{8t}»«, apicem versus dilatatis oblusis, infenoris supenus semej soluin longitudine superaniis profunde tnfdi linearibus acuiustulis, usque ad tertiam partem uinerviis, caeterum uninerviis — *Dclis coeiulea montana frutscens* Daub — *Globulaua minima* ViU — *rorma noimalis* folia 2 longa spathulata, apice cordato - em a r gin a la vel l^r'dentata l>edunculi 2—3' longi Squamae obcoi dalo - oblongae Labium corollae 'nferius profunde tufldum Hie speciei lypus per inumeras formas iniermedias transit 'n vaneiajtem

P *nana* omnibus partibus mmoribus, folsn anguste ipatbulatis, plerumque in-^{le}8ris acuus, pedunculis abbreviatis nudis, squamis ovato - acummalis paleisque obovato-lanceolatis muicis, corollae labio infenore usque ad tertiam solum pm tern inQdo, lobis usque ad medium trinervns — *Gl myntana humilhna repens* Tourn — *Gl nana* Lomark (excl, synon) — *Gl tepens* Lamk — *Gl punctata* Lapeyr — *Gl bellidifolia*

Ten — *Gl. coidifolp f> nana* Cambess — Crescit in Europa media*australique atque in Asia pane mximo onentali

b *Labium corollae supenui rudimcnlale aul plane nullum Labium tferius profunde Uijidum*

' *Heiba*

7 GL NUDICAULIS Finn — Alph DC 1 c 613 no 6 — Willk I c 23 f tab 4 fig 3 — Fohis obovuo - oblongis, in peiolum longi&sime angustus, oblusi* Inlogns unmoivns, podunuilis |o| piucibiactcitis, brictcis minimis lanceohlo -acummalij. \el plane nudis, c^ipiulic CM otis, squ inns PMMIOMIHI* o\ato - ocumimiis nervosii, paltis inlenonhiis hncpohiis atuminaiis tncr\ns, cnl\ee bilabiito, fiucc nudn, segmentis tubo brovionbus en cm o\ a o inimmoiis hhn mferioiis brevioiibu*, corolla 9-ncivia, labu infmois I uinns line inbus icuimsculis uinnenfis — *Ilrlis coaulea caule nudo* C B luhin — *Globulaua fjunuita, folio oblongo, tattle nudo* Touinef — Crescit in Europa media in luptstibus et umbrosis monuum edilioium

" • *Suffrutex*

8 GL ILFIFOI IA Willk I c 24 f tab 3 — Folus oblongo- vel obovato-cuneatis spinoso-dentiiis tM-*quintu| Imci MIS, pedunculis bnrlcatis, bi icteis lanceohlis altenuaiis acumm uii neutissirms 1—3-nu\ns>, cnpitulis globosis ceinius, squamis exteiionbus hnci ohtis in n\iitem longum neuiissimum prodiiciis lunerviis, paleis ant?ustr hnceohlis siibnl do - icumimii'j snbspinosis unmuviis, ciljce bilabiuo, fiuce \illis chusi, segmoniiis hnceohto acummaiis iculit>simii, labu snpciluns conniveutibus., infiiions puulis, coiold umhbiui 15 ncivu, hbio profumlc lnfldo, lacimis hneaubus aculiusculis uninciMis — *Delhi spinosa floic glohuso* C Bauhin — 6/ *spmosa* Tournef? — *M spviosn* Linn6? et MIIMI 7 — fiescit in Hispama auslrnli in glaieosis andfs lupiumque fUusus monlium calcaieorum

Sect II GLOBULARIAE ABNORMES.

C<ipitula bieviter pedunculata ant (pnmo inluitu) siibsessilia. Pedunculi ex axilhs ^quamularum vel foliorum rameonim prodeutes, bracteis ^cono^is vcshti — Suffrutices ct fiutices Folia bre\iler peliolata vel suJjstssjhd, sparsa vel fasciculata e nodulis ramorum prodeuntia

CapUula vciisus apicem ramomm feitilium racemoso-congesta subse^iha *Coiolla bilabiata, labus subaequalibus*

9 GL ORITNIALIS Linn — Alph DC 1 c 612 no 5 — Jaub a Spach, IUusli plant ouenttl III 74 tab 259 A — Willk I c 25 f tub 4 flg 4 — Folus caudicis Tascuhtis, lamornm feriiuim sparsis, i lis oblongo vel obovalo - spalhulaus, his lnnceohns acuminatis, siiperionbus mmuiis, omnibus umnerviis, capitulis parvis in racemum spicifoimem bisi inienupium dispos-itis, squamis ovalibus vel ellipticis acummaiis unncivns concavis adpippisif, paleis obovatis ocumimiis tuncr\ns, squamas supeiantibus cnljce bieMlei bihibmo, lubo huca nudo, labns subaequalibus, segmentis del-touleis,, corolla 15-ncr\m piofunde bilabiata, hbus suhaequilongis, hbio superiore fere ad bnm usque bipailito, irifcuore ultra medium tufldo, lobis Imeanbus oblusis, u«que ad ipicem tnnervns (Dngnosis e\liacta e descuplione cl Jaubert et Spach) — *Gl ontnlalis, flonbus pa caulim spaibis* Tournef — Ciescit in Asia minore

b *Capitula sohtana pedunculum brevissimum plerumque sub apice ramorum wsertum tummanha ideoque pmo inlmtu termaha*

10 GL AMYGDALIFOLIA R Webb in Hook Niger Flora 143 f — Caule fruticoso, foliis lanceolatis ovato-lanceolatisque in petiolum brevem attenuatis uncinatis divaricatis nervosis, ciliatis ad apicem ramulorum azillariis approximatis subumbellatis*, pedunculis folio vix brevioribus pilosis, bracteis paucis oblongis distinctis, involucri squamis oblongis acutis ciliatis, calycis tubulosi dentibus in se lanceolatis*, apice subulatis ciliatis bracteola sublongioribus, corollae calicem paulo excedentibus labio superiore subnullo, inferiore tuffido, hinc in limbo», genitalibus corollae longitudine vel breviter exsertis — Habitat in insulis ad Caput Ynde

11 GL ALYPUM Linn — A DC I c 613 no 7 — Willk 1 c 26 f tab 4 fig 5 — FOLIIS vel apice mucronatis et turn obovato-oblongis, A el liideniatis et turn subcuneatis, in petiolum brevem angustatis uncinatis, bracteis pedunculorum ovatis mucronatis nervosis imbricatis, in squamis aequiformibus sed majores sensim iransistentibus, receptaculo gibboso obtusissimo in superius angustato, paleis angustissimis linearilanceolatis* subulatis uncinatis, calyce profunde quinquefido subaequali, lacinis linearibus patentibus, corolla 15-nerviis, labio superiore rudimentali, inferiore huiusmodi breviter trifido, lobis ovalibus acutis, medio interno, lateralibus binerviis — *Gl Alypum* Lamne — *Thymelaea loins acutis*, *capitulo Succsac, stve Alypum Monspehensium* Daub — *Alypum Montpehensntm s futev leinbths* J Bauh — *Alypum Montis Celt* Lobel — *Empicium phacoides* Dulch — *Hippoglossum Valentinum* Clus Hist — *Globularia fruticosa*, *MyiU folio indentato* Tournef — *Gl TwbUh* Lamk — *Cre?* in collibus prius Europae aubiralis, Africae septentrionalis et Asiae occidentalis

12 GL ARABICA Jaub 8c bpach, illustr pi onentul III 76 tab 60 — Willk I c 27 f lab 4 fig b — Foliis spaiuhlo- vel cuneato-oblongo, in petiolum brevem attenuatis iniegi nervosis vel liideniatis uncinatis, ciliatis subglobosis, bracteis pedunculorum brevissimorum squamisque obovatis vel subrotundis acuminatis mucronatis deciduis, receptaculo stipitato conico fere cylindrico acuto, paleis tuspido-acuminatis, exterioribus lanceolatis, interioribus linearibus spatulatis, calyce quinquepartito, segmentis scilicet subulatis patulis, corolla 11-nerviis umbellatis, labio ligulaeformi breviter trilobato, lobis uncinatis — *Gl trichocalyx* Sleud ex Wlprs Repeil. IV 175 — *Gl Alypum* Oeil — Crescit in Aegypto ad rupes prope Alexandria et in Arabia petraea ad montem Sinai et montem Seibal.

c *Capitula sohtana pedunculot e fohorum rameorum axillis prodeuntes laxe biacteos terminantia*

13 GL SALICINA Lam — JHph DC 1 c 614 no 8 — Willk 1 c 28 f tab 4 fig 7 — Foliis sparsis lanceolatis integerrimis acutis uncinatis, bracteis pedunculorum ovato-oblongis scanosis deciduis squamis bracteis sumilibus paleisque oblongis nervosis mucronulatis, calyce quinquepartito, segmentis aequalibus e basi dilatatis setaceo-subulatis patentibus, corolla calicem longiludine semel superante, profunde bilabiata 15-nerviis, labio superiore rudimentali, inferiore limbo bifido, breviter trilobato, lobis ovalibus acutis uncinatis — *Gl longifolia* Ail — *Alypum SoUmdn* Quorund — *Alypum salicifolium* Fisch — Crescit in insulis Canariis et insula Madeira

Ordo CLXIX. BRUNONIACEAE *R Br*

(Alpb DC Prodr XII 616)

I BRIJVOjiri% 5m.

(Alph DC Prodr XII 616)

- † Dn SIMPLIX Lindl in Mitchell, Journal of tropical Australia png 82 adn — Pumila folns undique scnpisque longitudinaliier senceis, villis appressin, capliulis subsimpli<tibu*, bracteis mojonbus oblougis, indusio extus piloso — Crescit in Australia orientali iropico

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Ordo CLXX. PLUMBAGINACEAE *Lindl*

(Boissier in DC Prodr XII 617 — Wlprs Annal I 546)

IV. STATICE *Willd.*

(Doissier in DC Prodi XII 631)

- 1 ST (*Troptdct*) PYCNANTHA C Koch, Lmnoon \XI 716 f — Perennis stnpus ex npicc rnmous, rmi pnttnles, raniuli breves glomerulis forum obsiji et glomeiulus in axilla, in rmi et senpus terclimculi et glabernmi, flores brnelfi« pliinbus instrueli glabenmi, folia oblonga einnrginni glabernma petiolata — Crescil in Orienie septenlnonali

t Ieonen nddendae.

- bT FRUTJCANS D Webb — Doiss in DC I c 636 no 4 — Von Ifoutte, Flore des aerres IV tab 325
 ST IMMUCATA 0 Webb — Doiss in DC 1 c 638 no 8 — Van lloulte I c tab 320 321
 ST &>IU(KSHI HOIHB in DC I c 664 no 9i — Wght llusti of Ind bot II tab 178

V. ARMERIA *Willd.*

(Boiss in DC Prodr XII 674)

- 1 A DURIUSCULA Dabington in Jardine and Sflby, Annals of nitilr^pristory (Ser 2) IH pag 436 — Foliis linearibus obtusiusculis uninerviis sublnquetns, superne sub-

conniculaiis, facie Inferiori obtuse carinatis pilosls, scapis pubescentibus, involucri phyllis dorso late herbaceis, extenonbua triMigulari-ovatis acutis, reliquis lulls oblusis ei scarioso-marginatis muticis, pedicello caiycmum tubum aubaequante — Habitat in Britannia

- 2 A CURYIFOUA Colla, Memone di Torino XXXIX 5 f- Herbacea glohernma foliis lineanbus plams unine^viis obtusis incarria, scapo lerefi nltissimo, involucri foliolis OVno - lonctolatis obtusia, capitulo duplo brevionbua, petalis cuneifoitnibus — Ludu inter ^4 itilgarem *Be fataculatam* — Chili

VI PLUMBAGO *Tournef*

(Doisi In DC Prodr XII 690)

- 1 PL TOXICARIA Bertol Illustr di pianio Mozamhichesi I 4 f lab 1 — Coule erecto itnato, folris oblongo-Innceolatfs, mrgine cnspulia 8iibglaucesceniibu9, petiolorum aunculis nnnularibus amplexicaulibus, calycibus angiiRie tubulosis, costis crebre inaequaliier glandulosis — Habitat in Mozambique

t loon addenda.

PL ZFYLANICA I inn — Boiss IITDC I c 692 no 5 — Wght Illust of Ind bot II tab 179

I\ VALOR %DI % *Hochst*

(Bois« in DC Prodr XII 694)

- 1 * V PLUMBAGINOIDEFS Boisi in DC I 695 no i - Hook Bot Mngaz lab 4487 — ftanchon in \an Houiie, Flore dos !serres V p 532b c ic xjlogr — *Plumbago Larlienlae* Lindl Gorrin rbron 1847 p 73^ c ir xylogr — Paxton, Mug of bot XIV p <257 (c ic) — Lemaire in Van Houite, Flore des serres IV tab 307 — Mori en, Ann de la 800 d ogncult do Gand IV 137 tab 191 —

Ordo CLXXI. PLANTAGINACEAE *Lmd.*

(Dene in DC Proclr \MI 1 693 — *Vlanlaymeac* \cnl — Barne'oud m Wlprs Reperl
IV 177—192 \I 659, Annul I 546)

I PJ,%1V TAGO *Linn.*

(Dene in DC Piodi.XIH I 694)

Species scqiuunc*; in Prodrómo Candolleano desiderantui •

- 1 PL LA(INIATA Willk in Schlebld Hoi /ing VI 413 f — Prrennis loins l, mceohlis acummilis lunomis subpinnitifliti* hrimi* hncpohiis neulis integns \tl inciso-dentatis, scif is robushs loins duplo lungionluis, spicis cjlmidiicis densis longis — Radix liou/uril illi (iis(Csctii^ \11 siis collum incnsisili multirpps Fohn nmneiosa paluh J—4 - pollic uii cunosuli gl iin i iini,Mrio b<ci< albi* till in nlnnque tuberculin IIIIIIIU albidis ubstitii nui,piri(in 3 \<1 I I turn is.'A—1 pollicpm lungds. 3 Imcis latas int(o,r'ris \cl uno iliPioit < nu in mtjul in - subtihto insirucins flssi, bisi viginantta Sc i>i |<diWs cicell Kicles HJJHSSSL pubescenlc> Spicio 3—5 poll longae tanesrtnics Di icto |o f,lilnao tiljco |)Tiilo IIPVIOUS ovnifl iLiiimmiap albic subscanosne, cuma I iti MIKII dihs p.utilioncb exienon* conciciao, caclens puolo longiores, omnes cliipiicic obinsio ilbao substanosap canm uinles mnigine ciliaine Coiollae tbn<i raro pilosnlus Inrinne o\ ito icuminatne ncunssimne glabrac Anlherae ignoiac Sugina longissimum mD'fioscens pnpUosum Cnp<uln qtiath io\ulol.i disperma, semibus pnr'i>> IUSLIS oblon,M> facie mnhilituli disiinle excavitis — DifTert ab omnibus sptcKbus *LanLijohaium* fulns profnde Intirnalis — (resell in Haelica prope Dalnea opjudi Ljnjon loci* aigilloMS s.ilsis liumulis mici Juncut
- 2 PL inGltOPIII ASirudel Flora (II L) \ \ \ \ \ 403 — \rnulis folnsrodicahbus oblongis obinsis MX iiculis (,hbns ICIM m pciolum longissimum altenuais lonuibs pellucidis 7—l-nciMis> inlPi IILIVON rtiuuhis (dim petiolo 4—5- polliciti pedalibus el ultra, nmgin icmole gros&msult brevuir dennus dtiiiibus saejubsine (sub-) lutldis, scapis pilo>iustulis foln sup(nulibu'j (u<<ni bipddihlnis, spitis olongatis (6—9-polliciribut) b>i lon^c inicj i upus tl Kiviuatulis, sursum subdensiflous, bracteis caljce bic\ioiibu*> ear (CM uni siuilibus liujus laciuis ovntis oblu^is, imrgino scanosis corollisque glabris, lununr hcmiis toriinvenliltUb diicictia e ba>i o\lta Janceolatis acuminalis, ^Liiinlibus jntliiMs, tdpMil ic lotulis di*-pci mis aemimbus pun is ovaiis compicssis — I'tiinnisi — Cuacil ad lobsaruin niaigines Quillota in Cliri
- 3 PL LEOM MS Sipiulcl I (*404 — Acaulis icneia annua radice flifoimi-fibiosa, folns Imceolilis in peliolum ba^i membianJCLO-dilanium dturreniibus, seluloso-pilosu. innervii's inc,r'erMinis 8—12' longiN, 2—3 lnu>), scapo lonui setoso-pilosu brc\ioiibus, spiea cjilindca (1/J—y<<- pollicau) demum laxmscula, flonbus solnarns <illernis, bracttib caljce bievioubus similibus ejus lacinnis ovaiis, ninrgiñe Inlo scanosis piloso- luyib, (oiullac litmus paicnlibus vel lefle&is ovaiis brunncis, gemialibus longe cxserlis, capsulae glabenunae oculis monospnnis, semimbus oblongis llaveacnubus ad umbilituin fo\colaiis — *IH Uuncata* Bcrl ? — Crescil in pascuis irnguis ad ladicem mootis La Leona prope Rancaguam m Chili

- 4 PL MACROSPERMA Steudel I c 405 — Radice Wnui - fibrosa annua; folus paucis angustissimis Imeaihus ereciis s«»riceo-pilosus, apice tnlosulo - oblusiusculis, scapo solnano tenui adpresso piloso (2— 7-pollican) multo brewoubus (vix ulna 'A'' lat-s), spicis (prauseiura jumorihiis) sericois, ohlon^is vel ovalis imbritalis, bracteig rolyce bruionbus, caetmim similibns ejus locinns o\atis oblusis margme albo-scauosis, coiollae launns caljemas longiludine feie tequantihus onputte lancoolalis acummaiis albis, Insi medio fu»co - fci mg-iiiis, cnpsulis tumidis o\alis caljcem longe exccden- (ibus (apice dilute piupuiasrqnihus), locnlo nlicio uionosiu'tmo, semnic (m geneie) iriixiino oblungo ingic^cenip, Inkif timlulicni t\< iwito, alicro cunicxo ttui-ruguloso — *PI lusjndula* Brri — Cic&ut in motile Li Leon i Rancaguae in Chili
- 5 PL RANCAGUAE Stoudrl I c 405 — It idice tenui pmum fhiosa nnnua, scapos solianos |c| pimps snbnnsi itos.os pumilos prufnonte, loins angu^litsime linennbus plamusuilis \cl suhenmliculalis scncois, apice suhcdllobit, scopium (loientem subncquanlibus, dinium co breMoribus, scapis lereibus pilose ('/i nd summum 3-pollicennbiis), spica subcopilata pnuci - (2—4-)floia", braciets ciljco bieviorbus, smnilibua, Imjus Incinns o\oiis oblu^iuscnlis, mnigine lalo albo-sc.ino«>is, parte heibaoea pilosis, corollac bievius Incinns oblongis nculis pallne biunnei>, undique concolonbus, cal)ce tuplo biCMoribus, cipsula tumiduh (opitu fusco-puipurascenie) dis|>ormn, semimbus fuscis angusto oblongis, Iatre umbilicali excavaiis, allcro convexo rulido laevi.— *PI palagonua* Brit — Gie^cil in Chili
- 6 PL PACI^EURA Sleudel I c 40fi — Ariolis prrennis ibi/omate breM crasso sublignoso, folus radiculibus expansis membranaceo - subconarois o\alo - lanceolatis in petiolum biMem atlennaiis, mnrigin gios«<iuscule remote dentads, dentibns basi quandoque donliiulo noiaais, subtus exscne nu\osis, uintiquu glabns, scapis folia supe-lanlibus nexuosis glabns (b.isi fusco-purpunscontibu^)^ opitem versus rhnchique pilosis, splc i (1— 2-pollican) basi hxmscula sursum donsa cjlinduca, bincteis cahee bievionbuh, cactcium similibus, rjus lacirnis o\as obtusis \el aciitmsculis, margme scariOM>, taunn heibicci glabiis \pl pilosis rorolho glabnp k< inns conrnventibus aculi^*, gemi ilibu-j incluM> vel siigmaic >i\ oxseilo, rapsula dispcona, semimbus mar_ninalis_t facie uinbiluali fo\ooh notalis — Crescil in Chili
- 7 PL ODESCURA Steudel I c 407 — Acanlis ihizoraate sublignoso - incrassato valide fibroso vaginis foliorum einortms tecto, apice lomentoso-pilo>o, loins ovalo - lanceolaiis intogns vel obtuse undulatis el remolissime obscure denlatis subsenceo - hirtis fusco - vindibus, tunciMis cum nervis 2 margmalibus lenui-ssimis, basi in petiolum altenuatis (3 — 4 longis, 1/4 et ultra lais), scapis foln duplo supeiautibus luitis, pilis suisum et in ihachi densionbus, <pra bnsj llonbiis Mibsolit.irns lemotis valde mtorruptio, apice dense cjlindnca; bracteis cnlyce brevronbus, caeieium con<iimilibus, hujus lacinus ovatis oblusis maigine sennosis, dorso herbnceis hutis, corollne fuscorubiae lacinus eicclis ovaiis bieviter acutis; siigmalibus longe expsitis, capsula ? — Ciescit in pascuis sjlvaticis Valparaiso in Chili
8. PL CLAUSA Steudel I c. — Acaulis annua (?) radice perpendiculari parum fibrosa tenui, fohs ladiculibus basi dilaun equitanlibus lancoolatis (3 — 4 •longis, 3 — 4'' laus) tiinemis cum scapis srtuloso-pilots, demuin glabuscciiibu<>, scapis plunbus (3—4) ex eadem radico, nuda parte folia ^ubaequniuibus, spin elongnla (inpollican et ultia) laxiuscula, ibachide wHoi), biacleis paivis* heibaceiN caljce multo brevioribus, liujus lacinus ovalis aculiu>cylis, margme scauosis, doiso herbaceo piloso, corollae glabrae licinns connivenlibus acuininalis», gemlalibus inclusis, capsulis caljce breuoubus 2—3-speimib, semimbus marginalia, facie umbilicali fo\eola notatis — Crescjt in nronosis saxosis secus flumen Cuthapual prope Rancagm in Chili
- 9 PL. MARGINATA Sleudel 1 c. 407 — Acaulis pumila (vix bipollicans) annua (?) radice perpendicular! simplieuiscula, folus lanceolatis hirlis intogns in petiolum bosi scanoso-membranaceo-marginatum decuirentibus; scapis folia vix aequantibus hirlis;

spicem scapo nudo longiore confertiflora cylindrocea, bracteis calyce brevioribus hujus lociniis conformibus, ovariis, margine vix scanosis obtusiusculis hirsutis, corollae glabrae laciniis conveniens acuminatis, stigmatibus vix exsertis, capsulae loculis monospermis — *Crestia* in pascuis declivibus collium pi ope Valparaiso, Chili

- 10 PL BERTLONIANA Steudel I c 414 — Acaulis perennis rhizomate crasso sub lignoso, apice immixto-piloso, foliis radicalibus longe petiolatis ovato-oblongis obtusis, apice callosulo-acutiusculis? cum petiolo scapoque, luteo-cinereo pilosis, integris vel obscuris subrepente remote denticulatis scapo (3—4-pollicibus) non raullo brevioribus, apice basi incipit (pollicibus), summis laxiuscula, imbricatis bracteis*que dense, laciniis litmus doris hirsutis suis, margine scanosis, laciniis (?) ovalibus acutis subconveniens niibus genitalibus inclusis, capsulae loculis monospermis, seminibus oblongis lemniscatis umbilicatis, ad umbilicum immixtis vix foveolatis — *Plantago* Linn proxima, si d cult densa — (resert in pascuis apris collium Quilloya Chili*)
- 11 PL DONAHILLIANA Steudel I t 408 — Radice lignescente perpendiculari in cauditeru breviter extensa, foliis diuisis linearibus subcoriaceis, basi basi valde amplius laticiusculis laciniis ampliusculis PI hac parte glosse latis ol margine pilosis, scapis incipit, (2—3 pollicibus) tenuibus, apice densius pubescentibus, foliis longioribus, spicibus denticulatis (pollicibus), bracteis ovatis ceteris brevioribus pilosis laciniis laciniis subdenticulatis adpressis pilosis hirsutis obtusis aordide vix, immixto angustis *scariosis*, laciniis (?) ovatis acutis ex albo Jevier brunneis, ubique coloribus, vel vix una basi diuisis laciniis, capsulae dissepimentis semibus laciniis oblongis tuca umbilicatis pilosis sultans, nigrescentibus glabris — *Ciescit* ad ULMOS AMIS
- 12 PL (?) HIWKII Steudel I c 409 — Radice simpliciter fibrosa, brevissime (1—1.5) et usrens foliis lingulatis lanceolatis, internodiis vix in pilolum angustatis, basi basi dilati in nervis laciniis (2—5 longis, 1—2 latis) aculis 3-4-angustatis nervis incipit (laciniis) laciniis, margine piacertim scapoque longe denticulatis, laciniis glabris scapo tereti (6—8-pollicibus) ex axilla foliis solitaneis, apice raris laciniis pilosis, spica muluosa, bracteis subfoliatis laciniis laciniis angustis (1—2 longis, vix 1 latis) pilosis, laciniis ?, capsula — *Ciescit* in civitate Ohio
- 13 PL MISSOURIENSIS Steudel I c — Acaulis radice perpendiculari basi fibrosa, foliis sublinearibus internodiis in pilolum brevem basi dilatatum cum reliquis equantem decurrentibus, (oblongo-) ovalibus (laciniis lanceolatis) obtusis vel rotundatis, utrinque glaucis* (laciniis pulchris pubescentibus) et scabris-pilosis (lamina 1'longa, 1/2-1/3 laia) indurata obtuse cl remote denticulata, scapis arcuato-umbilicatis, dense setuloso-pilosis (4—5-pollicibus), spica oblongata (2—2 1/2-pollicibus) laxiuscula, sursum densiore laciniis calyce brevioribus, hujus laciniis oblongo-ovariis obtusis, margine vix laciniis, undique laciniis, laciniis laciniis ovato-lanceolatis aculis pallide laciniis concoloribus, laciniis laciniis exsertis, capsula — *Plantago* Rielii — *Ciescit* in com pascuis et ad vias prope St Louis civitatis Missouri
- 14 PL MULTILINARIA Steudel I c 410 — Acaulis radice basi fibrosa, foliis longe petiolatis, laciniis basi valde dilatis vaginantibus equantibus, lamina ovata vel oblongo-vel subrotundo-ovata glabra laciniis laciniis (2—8'1' longa, 1—1 1/2' laia), laciniis inaequaliter dentata, nervis laciniis non e basi, sed e nervo medio laciniis, scapo glabro laciniis longiore (usque pedali), spica laxa vel confertiuscula (2—4-pollicibus) laciniis, basi magis laciniis laciniis, laciniis calyce sublongioribus laciniis ovatis obtusis glabris, laciniis laciniis ejusdem formae margine laciniis, laciniis (?) laciniis ovatis obtusis, laciniis laciniis exsertis, capsulis ? — *Ciescit* in com laciniis pi ope St Louis Missouri
- 15 PL OVALIFOLIA Steudel I cit 412 — Gaulescens depressa ramosa laciniis laciniis radice perpendiculari descendente laciniis fibrosa, laciniis laciniis laciniis laciniis

- (1—3 - pollicaribus); foliis e basi amplexicauli petiolatis oblique ovatis sericeo - pilosis, apice acutis subcalloso-mucronulatis; pedunculis (scapis) axillaribus folio brevioribus, aequalibus vel parum longioribus; spicis (oblongo-) ovatis densis (% non excedentibus); bracteis ovatis, margine vix scariosis, calycem aequantibus hujusque laciniis pilosis; corollae parvae patentis laciniis e basi ovatae per lanceolatis acuminatis, margine ciliatis; capsula disperma; seminibus oblongis marginalis glabris, ad umbilicum foveolatis. — Crescit in regione Huaraffbiae petraeae.
16. PL. ELATA Steud. Ircit. 413. — Radice lignescente horizontali crasse fibrosa; foliis radicalibus lanceolatis tenuibus, inaequalibus vel binae denticulo minimo notatis glaberrimis 5—7-nerviis longissime petiolatis, petiolis (8—10 - pollicaribus) lamina (6 - pollicari) longioribus; scapo erecto sicco angulato - sulcato glabro vel vix in aulcis vix pubescente, folia superante (iripedali); spica cylindrica ex omnibus partibus glaberrima (tripollicari), dense imbricata; bracteis calyces aequantibus ovatis obtusis, apice emarginatis, margine late pellucido - scariosis, nervo medio fusco bifido, partionibus in excavationes excurrentibus; calycis laciniis ovato-lanceolatis medio (latius quam in bracteis) fusco-rubris, lateribus albo-scariosis; petalis (?) patentibus ovatis acutis, medio vix ferrugineis; stylo longissime exserto; capsula...? — Proxima videtur *Pl. Schottii*, sed differ! sutura aliore, foliis longissime petiolatis, bractearum carina non semilunari nee apice pilosa, sed bifida glaberrima. — Crescit in Abyssinia.
17. PL. ADYSSINICA Hochst. ross. ex Sieudel. 1. c. — Radice subligoescente fibrosa, apice subbulboso - incrassata, ibique pilosa; foliis basi dilatata in pseudobulbo equitantibus petiolatis lanceolatis dentifolialis vel integris 3—5 - nerviis sparsim subfloccoso-pubescentibus (longis 2Va" longis, 1A—3" latis); scapis ex axillis petiolorum ascendentiibus curvatis (longis 6" longis) pubescentibus; spicis oblongo - ovatis vel cylindricis crassiusculis (4—8" longis); bracteis subpeltatis membranaceis calyces aequantibus (ante florifloras superantibus), horum laciniis ovatis obtusis margine pellucido - scariosis, carina viridi, glabris; laciniis corollae potentis ovatis obtusis pallide brunneis concoloribus; seminibus oblongis latere umbilicali fere ex toto longitudine sulcatis, latere convexa substriatulis. — Crescit prope Adoam in agris Abyssinae.
18. PL. RUGOSA Hochstett. mss. ex Sieudel. I. c. — Pumila caulescens: radice tenui perpendiculari parum fibrosa; caule ramosissimo (1—4 - pollicari) rumisque setulis minutis retrorsum scabris; foliis angustissime linearibus flexuosis elongatis pilosis (1—2" longis, vix 1/16" latis); spicis ovatis paucifloris densiusculis; bracteis infimis subfoliaceis linearibus elongatis, spicas superantibus; calycis laciniis late scariosis, dorso anguste herbaceis, undique pilosis; corollae brevis laciniis ovatis acutis; capsula rugulosa calyce longioribus dispermis; seminibus oblongis, latere umbilicali ex toto sulcato, altero nudo glabro. — Crescit prope Adoam Abyssinae.
19. PL. INTERMEDIA Sieudel I. cit. 414. — Radice perpendiculari crassa, apice late subbulboso - incrassata; foliis subcarnosis lanceolatis integris vel binae inde denatis aliquot nunc erectis nunc reflexis muoitis, trinerviis glabris vel binae inde sparsim setulosis (minime hirsutis - canescentibus, 2—5" longis, 2—3" latis); scapis subhexuosis bispidulis foliorum longitudine; spica erecta cylindrica non interrupta (1—1-pollicari); bracteis ovatis calyce brevioribus, hujus laciniis oblongo - ovatis, margine parum scariosis, fructu ciliatis; corollae calycem parum excedentibus, laciniis ovalo - oblongis obtusiusculis pallide brunneis; capsula...? — An *Pl. hispida* R. Br. var. *denudata*? — Crescit in Nova Hollandia.
20. PL. ERIPODA Yorr. Ann. of the Lye. of New York II. 161. — Dene, in DC. L. c. 736. no. 202. — Steudel, Flora (D. Z.) XXXII. 415. — Radice: petiolis basi longe longissima ferrugineo - brunnea vesitiis; foliis late lanceolatis (fere 1; longis, 1" latis), utrinque attenuatis longe petiolatis glaberrimis integerrimis acutis quinquenerviis; scapo tereti glaberrimo folia superante; spica cylindrica (3 - pollicari); floribus remotis sparsis et fasciculatis; staminibus stylisque longissimis; bracteis late ovatis obtusis, margine scariosis; capsula biloculari, loculis 5-spermis. (Diagn. emend.) — Crescit in America boreali.

- 21 PL TALLOSA Colla, Memorie di Torino XXXIX p 6 f — Annullis folijs radicibus lineariibus planis nervis ruginosis-pubescentibus, basi in pedicellum attenuatis apice nigrescenti - callis, scapo «olitario» (bis duplo longiore tereti bispidulo sub spica involucris - laniato, spica cylindrica breviuscula, bracteis? ovalis pilosis apice callosis — Perennans? — A film a *PI hispidae* R. f. t. P. sed differt callo — (Dtno in DC 1 c 712 no 98) — In Cbili ad Francigua

t Icon Addenda.

- PL MAJOR L. § *Asiatica* Dcno in DC 1 c 604 no 1 - Wght Illmtr of Ind bot II tab 177

Ordo CLXXII. SALVADORAGEAE Lindl.

- (Meim Gen p] vascul I 315 II 227 - Fndl Gen pi p 349 - Wlpr Anna! J 547 — Planclion, Ann sc nului [3 Soi] X 189—192)

2177 S%LV%DOHA Linn.

(Linn Gen pi no 163 — Wlprs Annal I 517)

- 1 S INDICA Vnght Illmtr of Ind bot II W tnb 181 — Arborca folijs late ovalibus obtusis glabris, paniculis terminalibus axillaribusque distichis, floribus longe pedicellulosis bracteatis, subsessilibus, bracteis calyce subduplo majoribus rubris, corolla marcescente involuvis — In India orientali
- 2 S STOKSII Wght 1, c S29 ft Icon pi Ind or IV tab 1621 — Folius ovalibus mucronatis, paniculis terminalibus compactis, floribus breviter pedicellulis, corollis deciduis, filicibus calycem persistenticum teque excedentibus — In India orientali (Sciode).

t Icon addenda.

- S PERSICA Linn - Wlprs I c no 1 — Wght Icon pi Ind. or IV. tab. 1621.
-

Subclassis III.

MOJVOCHLAltYDEAE *nc.*

(Heisn. Gener. pi. vascular. I. 442.)

Ordo CLXXIII. POLYGONACEAE *Lmd*

(Lindl. Introd. 211. (edit. 2.) — POLYgoneae Juss. — Meisn. Gener. plant, vascul. 1. 316. II. 227. ft 368. — Endl. Gener. jrthnt. p. 304, Suppl. I. p. 1377; Suppl. II. p. 34. ft 1⁴; Suppl. III. p. 64; Suppl. IV. fasc. II. p. 44. [exclusis Eriogoneis.] - Wlprs. Annal. I. 548.)

1986. POIiYctOlinjUI *linn.*

(Meisfic Monogr. Polygon, prodr. JSenevae 1836. 4. — Wlprs. Annal. I. 548. — Endl. Gener. pi. SuppleIV. II. p. 45. [Synops. specferum.]

§. 1. *Bistorta* Tournef.

1. P. GARNEUM G.Koch, LinnaeaXXII. 197.f— Goulis glabernmus triqueter elevato-striatus subtetraphyllus; folia omnia etiam sublus glabra, ovato-aut cordato-lanceolate, inferiora petiolata, superiora sessilin, e vagina clousa longn enaia, sensirodecrescenlia; spica cylindrica saturate carnea; bractee oblongae, subito et longe acuminatae; antherae violaceae; oculae opacae.

%. 3. *Perdicaria* Tournef.

2. P. ABYSSINICUM A. Richard, Tent. flor. Abyssin. II. 225. f - Caule horizontal! repente, in aqui* seminante; ramis erectis emersis sesquipedalibus glabris; foliis unguis lanceolatis acutis sessilibus pallidulis subglaucis, subtus punctatis, in nervis hinellis, margine in^egris cilia Us; ochreis truncatis viz unam unciam ailia, internodio multo brevioribus, apice setoso-ciliatis sericeisque; spicis gracilibus subdistantifloris subpaniculatis; bracteis vnginamibus cucullatis billons, mnrnine setoso-ciliatis; pedicellis bracteas aequantibus; calycis posside rosei sepalis 5, ovalibus obtusissimis glabris; stamlnibus 5 inclusis; stylo fere usque ad basin biporlito, sligmaibus binis capitatis; acbaenio leniculari - tumido, apice opiculato nitente. — *Lequareba* Incolarum. — In Abyssinia prope Adoua.
3. P. SETOSULUM A. Richard I.e.227.f— Caule erecto; foliis ovali-oblongis longe acuminatis, basi angustatis et in peiolum brevem attenuatis, superne glabriusculis aut pilis setosis brevibus raris conspersis, subius praecipue in nervis eorumque romifticationibus pilis longiusculis netosis onustis, margine setoso-ciliatis; ochreis internodia fere aequantibus, ore truncatis setoso-ciliatis, pilis adpressis longis hirsutis; spicis terminalibus subpaniculatis; bracteis cucullatis obtusissimis breviter ciliato-setosis,

- 2—3 flous, sepals oblongis obtusiusculis, stylis bims longis ima basi coalitis, stigmatibus capitatis, achaemo lenticulan tuigido laevi nilido — Habitat in margine rivulorum provinciae Chire Abyssiniae
- 4 P GUMMIFERUM Weddell, Ann des scienc. natur (Ser 3) \IH 252. — Annura caule uni — hpcdali simplici robusto fistuloso, erecto aut ascendente hasiqc radicante, stnato gin born mo Folia lunceolnta palmarla, longe acuminata, deorsum attenuate, margine scabnuscula, rosta petioloquo brevi puberulis Ochreae amplae, humorem gummosum scatentes, interuodia supenora ex integro vesticntes, laeves, margine brevissime denticulato • setosae vel inuticac Spicae in ramo axillan foliorum comā superato 5—7, erectae cylindricae, ochreolis glabns inttgerrlmis glabnusculi* Flores pedicellati, pallide rosei, pedicellis ochreola vix longionbus penanthioad basin usque quinquepartito, lobis ovatis obtusissimis Achaemum lenticulare, abrupte acuminatum niudissimum, pcanthio paulo bre\ius — Crescit in Brasiliae centralis inundatis, provincia Matto - Grosso
- 5 I¹ FERRUGINEUM Weddell 1 cit 252 — Herbaceum caule 4—5 dcm alt subsimpliu erecto sinaio glabro Folia anguste lanceolata 16—20 cm, longa, utnnque attenuate vel apite acummata, breviter petiolata, supra laevluacula, subtus tenuissime puberula, in acio stabra Ochreae laxae, internodia supeftonbus saepius aequales, membranacae, demum ferrugineae, utplunnum inuticac Spicae 4—6, erectae exiles cylmdraceae, ochreolis glabns sub-b-flons Flores breviter pedicellati ex ochreolis successive emergentes heptandn, pciianthio profundo quinquepartno Achaentum lenticulaie mudum, bicvitei aiuminatum, pciianthio inclusuin — Crescit in Brasiliae provincus Minas Gcrats et Pernambuco
- 6 P PARADUAYENSE Weddell I c 253 — Herbaceum caule podali simplici erecto crasso hirsuto Folia lanceolata vel ovato - lanceolata palmana acummata, basi abrupte attenuata, utnnque pubescentia, tosta petioloque pollican hirbutis Ochreae magnae, internodia supenoia subaequantles, laxae, dense pilosae, margine ciliatae Spicae pleiumque ires in ramo axillan folia subaequantle erectae exiles subcylindricae, ochreolis setoso-pilosis 2—3 - flons Flores albicantes pedicellati, pedicellia inaequalibus, longiore ochreolam superant, penanthio profundo quinquepartito subcumpanulato, staminibus quinque subsexitis Achaemum inquelrum niudissimum, perianthium aequans, faciebus lotundato-ovatis acuminatis, transverse concavis — Crescit in inundatis Brasiliae, juxta flumen Paraguay
- 7 P BETIGERUM Weddell I cit — Herbaceum bipedale caule ascendente aut roctiusculo, simplici irosso fistuloso laevi, glaberrimo vel infra nodos pilis quibusdam brevibus vestito Folia lanceolata, 12—15 cm longa, anguste acummata, inpetiolum brevem attenuate, utnnque scabra bicviteique pilose Ochreae angustae, caul em arete vestientes, adpessae pilosae, longissime setoso - ciliatae Spicae 4—5 in ramo axillan pubescente cylmdraceae aicuutuo, foliorum comam superantcs ochreolis ciliatis subquinquellois Flores pallide roscae pedicellati, pedicellis ochreola longionbus, penanthio subinfundibuliformi profunde 4 - rarius quinquelobo, lobis ovatis obusis, staminibus sex, eiseriis Achaemum lenticulare — Crescit in inundatis Brasiliae juxta flumen Paraguay
- 8 P FLORIBUNDUM Weddell 1 c — Herbaceum, vix ramosum caule erecto aut ascendente subcylindrico, fistuloso laevi glabro scu juxta nodos piloso Folia lanceolata, 10—15 cm longa attenuato - acummata, basi acuta, brevissime petiolata, utnnque pilosiuscula, jumora aubtus sencea Ochreae internodiis breviores, pilis adpressis vestitae, ore longe setoso - ciliato Spicae 3—5 in ramo pubescenti folia superantie cylindricae erectae, ochreolis pilosis lunge ciliatis 8—10 • flons Flores simul emergentes pedicellati, penanthio profunde quadnlobo, lobis late ovalis; staminibus sex, anlhens exsertis Achaemum lenticulare, angulis acuiusculis — Crescit in Brasiliae ausiralis provincia Rio-Grande

- 9 P EPILOBIOIDES Weddell) c 254 — Herbnceum bipedale ramosum glaberrimum
 coule deluli, basi longe denudato geniculmo, nodis ut plurimum paulo incrassati*
 Folia lanceolata, 6—10 cm longa, 1—2 cm lata acumata, in petiolum brevem aue-
 nita Ochreae angustae longe ciliatae Spicae 2—3 filiformes laxissimae, ochroleis
 2—7-flores, flonibus pedicellatis 6-angulis, perianthio quinquelobo albicante Achaemum
 tinctorium — Crescit ad ripas fluvii Paraíba in provincia Pernambucana Matto-Grosso

S 4 *Echinocaulon* Meisn

- 10 P CHAMISSOANUM Weddell I c — Caulis herbaceus debilis subprostratus, basi
 radicans angulatus fistulosus ruber, lateribus hispidus Folia lanceolata 6—8 cm
 longa, 10—12 mm lata acuta, basi hastata, auriculis obtusis, cilia petioloque brevi
 bipida Ochreae laxae ad basin usque filiformes, breviter ciliatae Spicae 3—4 brevis-
 simae pauciflorae, pedunculis diffusis ochroleis ciliatis unibifloris, flore altero pe-
 dicellato Perianthium roseum quinquepartitum hexandrum Stamina quinque inclusa
 Achaemum tinctorium perianthio brevius — Crescit in paludibus humidis provinciae
 Minas Geraes

S 7 *Aviculana* Meisn

- 11 P FLAGELLIFORME Weddell I c — Caulis basi lignescens elongatus procumbens
 striatus, sub lente minutissime puberulus Folia imbricata setacea, internodiis paulo lon-
 giora, margine revoluta glabra subsessilia Ochreae internodiis breviores, longe ciliatae,
 mox lacerae Flores breviter pedicellatae, 2—3 in angulis axillaribus, lacini perianthii
oblongis Achaemum tinctorium — Crescit in Brasilia australi provincia Rio-Grande
- 12 P RETICULATUM G Koch Linnaea XXII 200 f — Caulis ramosus ramulis striatis
 ramulis ramulosis glaberrimus folia oblonga vel lineari-oblonga, apice abbreviata
 quinque nervis, ochreae lobis ovato-lanceolatis deinde imbricatis, breviter
 lanceolatae, nervis longitudine, perigonium fructiferum nuculam arete includens,
 ex angulis praesertim elevato-reticulatum — Crescit in Asiae minoris distr Sibir
- 13 P PLURIFLORUM Koch I c 209 + — Procumbens aut ascendens ramosus mul-
 tinodus breviter puberulus, folia oblonga acuta, breviter pennata, margine subrevoluta, cras-
 siuscula, ochreae lobis ovato-lanceolatis integris, deinde inter se lacerae, flores 6—9
 aggregati superantes, perigoni nuculam aequantem longe includentis longitudo
 lacini denique superans — Crescit in Georgia
- 14 *P AVICULARE L — Endl I c p 48 no 119 — C Koch I c 203
 a *latifolium* procumbens aut ascendens, folia distantia oblonga
 (1 *angustifolium* procumbens aut ascendens, folia minus distantia minora ob-
 longa aut oblongo-linearia
 Y *densifolium*
 8 *agrianum* ascendens aut erectum, ramis patulis, folia oblonga distantia
 8 *grammifolium* Wierzb procumbens aut ascendens, folia oblonga linearia
 C *sabulosum* procumbens, folia crassiuscula, supra avena linearia, margine
 subrevoluta, (lores solitari sed in ramulo brevissimo densi et breviter spicati —
 Circa Berolinensium locis arenosis
 i) *tenuescens* prostratum dimorphum, ramis sub-S-sulcatis, folia angustis-
 sima crassiuscula, supra et subtus avena, margine reflexo, ochreae lobis lanceolatis
 plurinerviis, denique lacerae, flores solitarii distantibus rubescentes
- 15 P PROVINCIALIS Koch, Linnaea XXIV 204 f — Procumbens ex basi ramosus,
 internodus abbreviatus, folia crassiuscula, supra avena oblonga aut lineari-oblonga,
 • ochreae lobis ovatis acutis, denique minus lacerae, flores ex ochreis cernentes subterro,

- pengomum sub ore constnetum, nukulom o pi cam striatulam omnino includens —
Croskil in Gilloprovincia
- 1b P HUMIFUSUM Dr Mork mss ex C Koch I innca XXII 205 f— Glaberrimum, ex
basi ramosum ramis pioslraais aut ascendennbus, folia oblonga in petiolum sensim
atlcnuaiia, alierna et opposita, florts nggregati sessiles et brevissime podunculau,
ochrca brevi ciicumdiu nuculae laevos nitidac — Creacit in Sibma ad npas flumi-
nis Lena
- 17 P TROPICUM C Koch 1 c 205 — Divincato-ramosum procumbens aut ascendens
folia lincari - oblonga, scd basi sensim ingustati , apice obtusa punclulata, ochreae
lohi o\in cilnto-1 icen, lloies 3—6-ni pulunculati, nuculae triangulates mgrescentes
mtidissimc — Crescil in Scntgumbia
- 18 P MFYFNII C Koch 1 c 205 f— Procumbens glaberrimum ramis erecto-curvatis
Hlifomnbu subsimphcibus, foln oblonga phna subavema crassiuscula, ochreae lobi
lanccolaii, senus integn aut bilobi, (lores purvi carapanulali soliiarn exserli — *PI
aviculare* Wlprs — Crescit in China
- 19 P STRIATUM C Koch I c 206 — Suffruicosum globenlmum ramis niiformibus
simplicibus curvnto-descendoniibus, folia oblonga plana, supreme angusliora, mar-
gine revoluia nvenia crassmscula, supra sirus ctevatis longiudinalibus, subtus contra
nervo m<dio ad basin nevis duobus latorahbus paientibus piaedito, ad apicem magis
incon<picuo insliucta, otlucao lobi oblongi senus submtegu, flores aggregali exserli
campanuhli, spitam biaclcitim icfcienles — fiescit in Chili
- 20 P (HILLNSLC Koch 1 < 20b f — Glaberrimum folia oblongo-lineana sessilia
ciassiuscuh, supra cl MILIUS subpaiallelo nervosa, ochiac lobi oblongi plun-
ncrvii dfinum laceri, dimidium folium ex longiludme VIX supeiantes, flores enmpa-
nulau subteirn, longius pcdunculau, nuculae mlidissimac laevissimae — Crescit
in Chili
- 21 P BRASILIENSI f Koch I c 206 f— Glaberrimum ereclura ramis virgatis sub si m-
plicibus, folia plana oblonga supmim Imeari-oblonga subnvema, ochrene lobi lan-
coolali, doni(lue laceri, flores sessiles, solilam aut him, ochreis tecli, nuculae brun-
neae laeves mtidulae, angulo lortio minus cont>picuo cum facibus duabus planitiem
concavnm reluunic — Crescit in Brasilia
- 22 P RUIIANUM C Koch I c 207 f — Glnbornmura ramosum ramis patulo - erectis
sulcato subangulatis, folia ignoia, ochioac lobi arch nervosi, demque laceri, flores
aggregali exserti distantcs, nuculao dilute brunnao laeves nitidao — Cr<<scit ID
Hispama?
- 23 P UUSTATUM Lngtlm & Gray, Boston journ Y 259 — Caule herbaceo volubliH
angulaio-sinato, loins c basi subcordita vel truncitn tnangulanbus acuminalis mar-
gine <cnbris (lobus in axillis folioium glomeratis sou in spicas folhiceas lai< dis-
po^ilis, flonbus octandiii, sligmatibus 3 sessilibus, lacinus pciigonu frucuferis tribus
extenonbus cristato-alatis, alis crenato-incisis, nucibus parvis trigonis nilidis — ^n
ropublica Texensi

t loon addenda.

- P CUSPIDATIM Sieb *Ik Zucc* - Wlprs Annal I 548 no 2 — Paxl ft Lindl. Flow,
gard I 137 fig 90

1988 OYYGO1VUJH *Burch*

(Eiuil Genei plant buppl IV II p 50 [Synops specicr])

- 1 0 ZEYHCRI Sonder, Linnaei XXIII 100 f - Suffi uticosum glabrum caulibus erecti*
tereiiibiH, ramis alterms angulaiis, ocbreis setoso-ciliatis, folus trifidis vel p~~unna~~Ufid¹

lacinnis hneanbus mucronaia integerrimis subdentatisve, spicis terminabus interruptis, pedunculis soliiams eglandulosis, flonbus hermapluoditis — In Promontono bonae spei (Magilisberg)

- 2 0 CANESCENS Sonder I c f — Suffruticosum pilis brevissimis reversis canescens cunilibus* crpclis terciusctilic^o rnmis alterms angulnlis, oclneis SPToso-ciliatis, folns pinnanfldis vel subbipmnatfldis lacimis lineanbus SPIB terminotis subJentatis, spicis termmalibus iniprruptis, pedunculis scmtanis eglandulosis, flonbus hermapbroditis — In Promontono bonae spei (Aapjcsi ivier)

1990. COCCOIOB* Jcq

(Jacq Amenc tab 77 78 — Endl Gener pi Suppl IV II p 50 (Synops specter] — Wlprs Annal I 551)

- 1 C GCIANENSIS Meisn Linnaea XXI 264 f — Ramis glabris, novellis ochresisque rufo-puberulis, I Ins ngidiuscule COIMCPIS oblongis subncnmmiuis basi obtusis obliquis rnuusve subcordaiis, iitnnque glflbeiumis mtidis, tenuuer reticuloiis, venis primarns supin ^ubim|)ressis, subttis acute prommenubus, accnndoms utrinque pio-minulis potiolo glabio quam ocliipa longioie, spicis solilarus gcmnme (nliera brevior) simplicibus lemnbis, folio subnoquilibus subsossilihu^, ihachi glahrn, bracieis membranocis parvis subrolundis, flonbus subsessilibus, calycis lobis tubo longionbus paiuln, siaminibus ex^enis, fruci ?
P ? s|)icis folio plunes longioubus (semipedalibus) breviter pedunculatis — An Jufius an var consians? — Proximo accedit ad *C leptoslachyam* Dnlb, quae lecedit petiolis oclnnsque paulo longionbus, folns lauoubus (2—2% poll latia) baud nudis, venis pnmuriis utnnsecus tantum 4—6 et bracteis minoubus — Afflrus quoque videtur *C luadulae* Bnlh quie dilTert peiolo voginis brevioie (,rnro 2 lin longo') racemis brc\ibus (l/a—2 poll longis), nee non *C mvear* Jncq, quae abhorrei folns semipedalibus et eel — Cicsui in fiuuceiib pi ope Paramo* ubo et in (oyenne
- 2 C SCIOMBURGKII Meisner 1 c 265 f — Rnmis strgtis, junionbus minutissime puberulis, ocbreis obliquo truncatis diu persistentibus, petiolo brevi sublongionbus tomenioso - puberulis, folns crasse conaceis glabernmis mtidulis ovalibus oblongisve (rarius subrotundis) obtusissimis, basi mogis minute cordaiis, supra minute impresso-leiiculatis, nervo medio venisque primams subtus modjee prominentibus, versus margines apicemque evanescentibus, venularum reticulo obsolete vel plane inconspicuo, spicis lateralibus icrminalibusque subsolitariis subsessilibus, folium subaequiinlibus dprisjilous, ibachi broctesque puberulis, flonbus subsessilibus, atamimbus subexsenis ? — Crescit, in Guiana Anglica ad Roraima
- 3 C MACROPHYLLA Hook Dot Magnz tab 4536 — Paxt & Lindl Flow gard I 141 fig 94 — Subaiboiea elata erecia glabra stricta caule subsimplici sulcato, folns cordato-ovQlm acutis amphs sessilibus seminmplexicaulibus reiiculaiim venosis buliato-rugosis, ochreis magnis intlatis vaginnlis membranocis, demum fusers rocemodensospicato elongnio simplici terminali, flonbus copiosisoimis (rubus), peianthiis 4—6-lobis, slimimbus 8—12 — *C macrantlia* Steudel mss — In Ameuca calidlon (ubi?)
- 4 C PERSICARIA Weddell, Ann des scionc nat (3 Ser) XIII 256 — Frulex 3—4-metralis ramis palulis brunneo-clnereis, ramulis sinatis glabrls Folia ovato-lanceo-Jata, 3—6 cm (mm ?) longa, 15—25 cm lata, acutiuscula, basi aitenuaia rolundata aut subcordata ngidula, pagma suppnore glabr, subtus (in venis praesertim) minute puberula, costa petioloque (5—6mm long) tenuier pubescentibus Ochreae membrnaceae vel subscanosae, ramulos jumores vaginantes, oblique aut subboiizontahter truncatae Racemi solitaru in apice ramulorum breviter pedunculati, folns breviores, *Polygon spioas* referentes, an glabro, bracteis bi—inQons, alabaslus ocbroolis vesicularibus

cordata rigida glaberrima, Ten is primarlii vix prominulia; petiolo brevissimo tenulter puberulo. Ochreae breves trunoatae. Racemi foliis breviores, plerunike terminates, breviter pedunculati, rhachi gracili pubescente; bracieia mlnimis subunfloris. Flores pedicellos subnudos 1 mm. longos subaequantes; perinnthii tubo breti, lobis 6vatls patentibus; nnteris breviter exsertis. Frucius ... ? — Crescit in prov. Bahia Braailiae littornljs.

11. C. OCHREOLATA Weddell I. c. 259. — Frutex scandens? ramulis - flexuosis, leviter sirialis cylindraccis glabris. Folia rotunda aut rotundato-ovata 6¹/₂—9 cm. longa, 5—8 cm. lata, obiusissima, rarius brevisaime acuminatn rigidula iindulata glaberrima, costa venisque paginae superioris imp res sis, subtus prominulis. Ochreae membranaceae, oblique truncatae basin ramulorum floriferorum laxe vaginantes, brevi tempore persistentes. Racemi folia subnequantes, in apice ramulorum breviter pedunculati, patentes, axi bracteisquo (2—3-II or is) glabris. Florum pedicelli patentes 1—3 mm. longi, ochreolis quam in nliis speciebus conspicuioribus infundibuliformibus, apice bi — trifidis involucrati; perianthii tubo basi ntenuato, lobis ovatis patulo - recurvis; staminibus exsertis. — Crescit in prov. Bahia Brasilia* marilimae.
12. C. SALICIFOLIA Weddell I. c. — Frutex scandens: ram is cylindricis verruculosis, ramulis flexuosis tonuiter sirialis glabris. Folia numerosa lanceolaln, 6—10 cm. longa, 20—25 mm. lato, leviter acuminla obiusiuscula, basi breviiier attenuate, membranacea glaberrima, venis vix prominulis. Ochreae membranaceae internodils breviora, raax deciduae. Racemi grnciles flexuosi, folia suboequantes laxiflori, rhachi tenul striata glabra; bracieia ov|tis, 1 mm. longis bifloris. Flores breviiier pedicellati, pedicellia ochreolis longioribus; perianthii tubo brevissimo, lobis ovatis; antheris vix exsertis. Frucius... ? — Crescit in Brasiliae prov. Rio de Janeiro.
13. C. CUJABENSIS Weddell I. c' — Frutex scandens? cortice cinereo; ramulif cylindricis npice striatis ramulisque glabris. Folia ovato - oblonga aut oblonga, 6—10 cm. longa, 3—6 em. Iain, basi cordnto-subpeltata submembranacea, supra glaberrima, vonia et costa subtus mmuiissime puberulis, axillis ejusdem barbatulis, petiolo 15 mm. longo, superne villosa. Ochrearum vesigiia tantum in apicimine auppetunt. Racemi solitarii rnmulis brevibus patenlihus subdislichis continui, foliis dimidio circiiier breviores, axi ferrugineo-tomentoso; bracteis ovatis villosis. Flores...T Fructus pisi-formes, perianthii lobis conniventibus coronali, in pedicellis recurvis 2—3 mm. longis. — Grescit juxta Cuyaba urbem in prov. Bf alto - GroAso Brasiliae.
14. C. ALAGOENSIS Weddell I. c. 260. — Frutex? ramulis striatis glabris, pallide cinereis. Folia oblonga, 4—8 cm. longa, 3—4 cm. lata, obtuse, basi breviter attenuata submembranacea, in axillis venarum subtus barbatula, cneterum glaberrima, venis primariis aat exilibus. Ochreae Inxiusculae, petiolo breviora*, vix oblique trunoatae, juxta petiololum ad basin usque flssae. Racemi solitarii, terminates pedunculati, foliis longiores graciles, rhaobJ atriatu glabre; bracteis 3—4-floris. Flores breviter pedicellati; perianthii tubo brevissimo, lobis late ovatis patentibus; staminibus exsertis. Frucius . . . ? — Crescit in prov. Alagoas Brasiliae septentrionalia. ~
15. C. GOUDOTIANA Weddell I. c. — Frutex? ramulis erectiusculis, cortice albicante rugoso-strialo vestitis. Folia ovnto-oblonga, 9—11 cm. longa, 4¹/₂—7 cm. lata, breviter acuminata, basi rotundato-subpeltata rigidula, supra glaberrima, subtus juxln coatae basin minute villosa, venatione nequuli. Ochreae internodiis nullum breviores, rnmulos nrcie vaginantes, aubhorizontaliter truncatae, diu perslstentes. Racemi solitarii elongoti, ramulis continui, foliis multo longiores graciles denaiflori, versus apicem aitenuati, rhachi angulata subglandulosa; bracteis subrotundis, aubbifloria. Flores subsessiles. Perianibii tubus oohreola flssa involutus, demum pedicelli elongotione exsertus, lobi rotundali subconnivenles; antheris tubo latentibus; stigmatibus subexsertis. Fructus immaturus oblongus, breviiier pedicellatus, pedicello ochreola persistente basi involucrato. — Crescit in Nova Granata juxta San-Louis.

- 16 C STICTICAULIS Weddell 1 c. — Frutex scandens ramis dongatis valde flexuosis subvolubilibus cylindroceis, corlice lenticellis numerosissimis albicanibus noloto, eissicaio sinuto-sulcato Folia oblonga, 6—10 cm longa, 3—5 cm lata, breviter acuminata, basi obtusata aut acutiuscula, coriacea, supra glaberrima (sicca glaucescentia), subtus tenuissime puberula, venis primariis cassis pinnatis intra marginem anastomosantibus, secundariis? elegantibus leucis Petiolus 10—15 mm longus Ocreae breviter, oblique truncatae, mox evadunt Hicemi flexuosi, folia longiora, ramulis axillaribus breviter tonnentibus, lenticellis laxifloris, internodiis siliquis, pedicellis pinnatis perennibus bicoloribus, bracteis minimis? Mibillouii Flores 2 mm vix meliora, in internodiis inclusis, siliquis subscissis Perigonium fructiferum ovoideum, diametro 4 mm Acabacum subglobosum, obscure turgens — Crescit in Brasiliae prope Minas Gerais
- 17 C POLYSTACHYA Weddell 1 c 261 — Arbor 3—4-metralis truncata gracili erecto, ramis palmaribus ciliatis, basi brunneo-cinereis, apicibus vtrius herbaceis Folia omnia rotundata ovata vel superiora oblonga - ovata, 1—3 dm longa, 8—12 cm lata, aut unguis, breviter mucronata, basi cordata, membranacea, supra glabrata, subtus ciliata et vix uniusque paginae ponit 15—35 mm longo pubescentibus Ochreae foliaceae laxissimae, internodiis junctibus muhi longiores, exclus pubescentes Racemi in apice ramorum numerosi (11—30) pinnulati graciles, axillaresque ovatis subbifloris pubescentibus Flores breviter pedicellati videscentes Perianthium tubum brevis ocreae rupia laxa involucrotus, siliquis exsertis Fructus. ? — Crescit in Brasilia in centrali, prope Malto-(JIUSSO)
- 18 C RUGOSA Desf — Weddell 1 c 261 — Arbor 6—8-metralis glaberrima ramulis crispis profundo sultans acutangulis, ciliatis medio lacini vestitis Folia maxima pedalia deltoideo-ovata aut obovata-obovata, obtusissima siliquis cordata subamplexicaulia, indomodum ciliata bullato-undulata, costis vix supra profunde impressis, sublim prominentibus, magis magis minusque revoluta Ocreae foliaceae 4—6 cm longae nervosae oblique truncatae, folia discretae Racemi solitarii folia longiora, ramulis continuis pedunculatis vix nullifloris, rachis reclinata seu arcuata striata, bracteis brevissimis mulullis Mores fasciculati pedicellati, pedicellulae longis gracilibus patentibus, ochrolepis minimis membranaceis basi suffultis, perianthium tubum brevi subinfundibuliformi, lobis ovalibus obtusis, summis exsertis Fructus (&icis) ovatus, obscure triquetris, nucha pallide cinnamomea, superne nitida, perianthium tubum superne lobisque ejusdem adpressis vestito — Crescit in insulis Su Thomae et Porto - Hico

1990/. KIÜHULI^{••}HirBECKIA Meisn.

(Endl Genera et Suppl. IV. II p 51 [Synopsis specter] — Wlphs Annal. I 552)

- 1 M (*Eumuhlonbeckw*) TILIAEFOLIA Weddell, Ann des scienc nat (Sci 3) XIII 255. — Frutex scandens ramis crassis liliifloris globosis, internodiis decimetris. Folia ovata, plerumque 10—12 cm longa et 6—8 cm lata, acuminata, basi cordata membranacea, ulnque puberula, costis pinnatis (26—30 mm long) pubescentibus Ochreae magnae, 2—3 cm longae ad basin usque flosne membranaceae puberulae Racemi dense paniculati, pinnatis cum ramulis brevibus subbifloris patentibus continuis, rachis tenuiter puberula Flores in nodis laciniis plures, singulis fasciculis bractea ovata acuminata suffultis, perianthium profunde quinquefidium demum aucti tubo brevi, lobis ovatis obtusis Achaemum .⁹ — Crescit ad pedes montis Iuimani in Bolivia
2. M (*Andtma*) RUPESTRIS Weddell I c 256. — Fruticulus dense ramosus subcaespitosus ramis ramisque elongatis flexuosis piosirato-dijunctis, basi saepe radicanibus angulatis cylindraceisve, denudatis seu reliquis ochrearum vestitis, supra

dense foliatis brunneo-rufesceniibus, apico viridibus. Folia oblonga vel obovato-oblonga, 10—15 mm. longa, 6—10 mm. laia, obiusa acute rariusve emargionta, saepius apiculata, in petiolum brevissimum attenuate, carnosiusculo, pmlirie vitenia, sublus glanduloso - punctata, venis immersis. Ochreae laxae, oblique vei horizontaliter truncatae, membranaceo - subscnrjosoe ferrugineae iniegrne aut demum flssae, internodila ut plurimum vix breviorc*. Flores virencis in axillis foliorum superiorum solilarii aut bini, rarius plures, pedicellai, pedicellis ochrea parum longioribus; perianthii profunde quinquolobi lobis ovalis rotundaliv'e, oblusis crnssiusculis, sub anthesi patentibus. Stamina ocio perianthium subaequantia. Achaenium obtuse triquelrum nitidum, basi rotundatum, brunneo - nigrum, perianthio aucto inclusum. — *Polygonum fruticosum* Wlprs. Plnml. Meyen. 408.

(*J. nivahs*: foliis minoribus ac in typo. — Crescit in rupibus raontium altiorum Boliviae.

1993. RUMGEX

(Endl. Gener. pi. Suppl. IV. II. p. 51. [Synops. specier.] — Wlprs. Annal. I. 552.)

1. R. (*Lapathum*) TUBERCULATUS C. Koch, Linnaea XXII. 208. f — Stride erectus, inforne hirtellus: folia oblonga hina, supremn lineari-oblonga aut Innoeolala; spicae patentli-ascendentes nuda; sepala interiora ovalo-deltoidea denticulate retioulata, unum calliferum, callo tuberculato. — Crescit prope Trebisond
2. R. DENTICULATUS C. Koch I. c. f — Erectus divaricato - ramosus glaberrimus: folia oblonga, mnrngine crispulo, petiolo paululum minori insiruda; verticilli, supremfs exceptis, folio lulti, disiantiores, sepala interiora ovnto-oblonga denticulata reticulata cullifera, collis duobus obiiicratis. — Crescit in planitie ad fl. Araxen.
3. R. DAGHESTANICUS C. Koch I. c. 209. f — Stride erectus glabprimus: folia radicalia et cnulina inferiora cordato-oblonga, suprema lineari-oblonga aut lanceolata; spicae simplices ex axi paene omnium foliorum, patulie nuda, supremae pauculam lineari - oblongam referemes; veriicilli deusissimi, floribus pendulis; sepala interiora ovato-oblonga, uno alterove dente instructa, reticulata, callifera, callo uno majori. — Crescit in Daghestan.
4. R. ARMENUS C. Koch I. c. f — Caulis stricte erectus sub-4-pedalis, glaberrimus sulcatulus; folia radicalia longe petiolata duriuacula, e basi cordata, ex medio aequilata, ex quarto pario superior] oblonga acuta, 2'/i—3 poll, lata, 1 ped. longa, caulina brevissimo petiolata aut sossilia cordato - oblonga aut lanceolata, erecta, cauli paene adpressa, omnia glaberrima, subtiliter albo - ot crispulo-marginata; panioula lanceolata, ramis erecto-patulis, folio lineari - oblongo fultis, cdeterum nudis; perigomum fructiferum ignotum. — Crescit in Armenia.
5. R. (*Acelosa*) HORIZONTALIS C. Koch I. c. 211. f — Glaberrimus erectus; folia inferiora hastato - oblonga, longe petiolata, superiora hastato - lanceolata rainora, saepe cauli adpressa; paniculae mininae; rami et ramuli horizontales; (lores foeminae* ex pane minori fertiles; sepala interiora cordato-orbiculata integerrima, callo deflexo instructa. — Crescit... ?
6. R. PUBESCENS C. Koch I. c. 211. f — Crispulo-pubescens: caulis divaricatus; folia inferiora cordato - liostna longe petiolata, superiora minora panduruciformi - hastaia; stipulae pellucidae lasceolatae; sepala interiora cordato - orbiculata, iniegerrima. — Crescit in didrictu Sber Asiae minoris.
7. R. DRUMMONDII Mcisn. in Lehm. Plant. Preiss. II. 272. f — Foliis oblongo - lanceolatis aculis, basi obtusis, margine minute undulato - crispulis, inferioribus longe petio-

Intu, summis lineanhs, racemis fongis, suhsimplrcibus, npice nphxllis verticillis disci elis 8—12 -flons pedtccellis prope basin noduloso-incras'aiis, fruciiferis deflexis catyce longionbus incrassatis, apice tuihinntis, sepnlis interionbns (valvis) exteura Oblonga adpressa duplo superantibus ovatis subulaio - ncuminalis ulnnque 1—2 - setosis reticulahs obsolete gramfens — Habitat in nova Hollnndia ad fl Cygnorura

- 6 R (*Rumastra*?) STEUDELII Hochst mss in A Rich Tent flor Abyss If 229 — Perennis caule erecto, pamculatim ramoso, strntoangulaioglabro, foliis oblongo - ellipticts, npite saepius obtusis, margine undulato-cnspit, mine ba&i anguslatis et in peiio-lum sen si m ac sensim desinenubus, nunc abrupte cordatis, utrinquo glabns, flonbus pedicellaiis conglomeratio -vertitillaus, ramis florfjens elongntis panjculutis, culycfg fructifen sepalis inierms late ovalibus obiusis, margine mciso • disseclis, lacinus lineaiibus acutis convolutis — Habitat in Abvasinia provincia Ouodgerate incacumino inonlis Sellouda
- 9 R (*Rumastra*?) TOLIMENSIS Weddell, Ann sc natur (3 Ser)VIH 262 — Perennis caule erecto crasso stnato glabro Folia radicalia oblongo - lanceolate, 2—3 dm longa acu(iuscula,basi cordata margine undulata subrevoluta, supra glabra, subtus paberula , costa crassa, petiolo decimetiali Folia caulina ovata acuia, basi rotmndata subcorda-tave, margine unduluto -dtnuculnta Ochreae membranaceae petiolo multum longiores nacemi axillaies lermiolesquo pamculati FJores verlicjllali pedicellati, podicollis su-porne incrassatis, lacinus pengomi interionbus obovatis mtegemmis nudis, achaemum acute tnquetrum vestieniibus — Ciescit in monte Tolima reipublicae Novo - Grnna-tensis

1993A. POIiYGOntJBlIiA Michx.

(Engelm Dost Journ of nat hist V pag 231 adnot — Endl Gener pi Suppl IV II p 53)

Flores diojco-polygami vel hermaphroditi Pengonium pentaphyllum petaloideum, phylhs senei extenons 2 immutatis, fructifens reflexis, senei interioris 3 erectis plants, post antbesin ampliatis conniventibus iruclum tnquetrum includentibu[^]. Stamina 8, filamenta dimorpha, nempe tna phyllib pengonii lntcrionbus opposita inferne dilatata et saepe bidentata, caetera subulaio-setacea. Styli 3, stigmata capitata. Embryo m axi album in is reclmsculus — Fruticuli ramosissimi glabn in planitiebus andissimis Amer. Dor Orient cahdonbus Mgentes lamis hornolims berbaceis foliosis ocbreatis (oclu eis bievibus nudis unidentatis), loins trassiusculis parvulis lineanbus spathulatis^e subsessilibus spaisis vel in axillis pi m fasciculatis, flonbus (albis vel roseis) parvis spicato-racemosis, ibachi dense et appresse lmbncatim ochreato-bracteata quasi articulata, pedicel I is sohtarns articulatis, fructiferis pen-dufis, racemis saepius pamculatis

Sect. IEUPOLYGONELLA Endl. 1. c.

- 1 P POLYGAMA Engelm I c 331 adn — Foliis cuneato - Im9aribus spathulatisve, flr-lbus dioico-polygonns, sepalis ovalibus ad anibesin subacqualibus filamentis tribus basi ovato - dilatatis vix out ne vix dentatis, stjllis bievissimis — *Polygonum polyga-mum* Vent Hort Cela t 65 - *Polygonella jtamfoha* Michx Flor Am bor II 240 — *Polyijnum gractle* Nutt — Habitat in arenosis faroiinae, Georgiae, Flondae

Sect. II. *GONOPYHUM* Fisch. 8k Mey. Endl. 1. c.

2. *P. ERICOIDES* Engelm. I. cit. — Foliis linearibus vel angustepalulato-linearibus fasciculatis; floribus (an semper?) hermaphroditis; sepalis orbiculatis, interioribus subcordatis exteriora viridi - carinata ad anthesin superantibus; filamentis tribus basi valde bidemalo - dilatatis quasi obcordatis; stylo longiusculis. — *Gonnityrum Americanum* Fisch. ft Mey. — Habitat in republica Texana.

1993/2. *THYSAITEIA* A. Gray.

(A. Gray, Boston Journ. V. 232. adn. — Endl. Gener. pi. Suppl. IV. II. p. 51)

Flores dioico-polygami. Perigonium pentaphyllum petaloideum, phyllis omnibus erectis, margine scarioso eroso - fimbriatis, duobus exterioribus cordato-sagittatis post anthesin auctis, interioribus minoribus ovato-lanceolatis pectinato-fimbriatis. Stamina 8, filamenta filiformia perigonium adaequantia. Ovarium (infertile) trigonum, styli 3, filiformes, stigmatibus simplicibus. Fructus? Semen? — Herba ramosa glabra (bipedalis) in arenosis Georgiae vicens: caulibus virgatis strictis; foliis anguste linearibus elongatis striatulis sessilibus; ochreis truncatis, selis capillaribus longissime barbatis; floribus (incarnatis) racemoso-spicatis; spicis solitariis vel geminis, paniculatis, dense imbricatim ochreato-bracteatis; ochreis oblique truncatis in acumen aristiforme productis; pedicellis in medio articulatis.

1. *TH. FIMBRIATA* A. Gray 1. c. — *Polygonum fimbriatum* Ell. — In Georgia, Florida.

1995. *ATRAPHAXIS* Linn.

(iamb. fit Spach in Wiprs. Annal. I. 554. — Endl. General. Suppl. IV. II. p. 54. [Synopsis. specier.]

- J. A. *DENSIFLORA* C. Koch, Linnaea XXII. 212.f — Frutescens erecta: ramis patentibus; folia glaucescentia nervoso-reticulata, rotundata aut elliptica, basi subito attenuata, inferiora 4 lin. lata, 5 lin. longa; ramuli abbreviati 6-8-flori approximati, racemum densum referentes; sepalis interioribus orbiculatis, basi cordato - subcuneatis. — Crescit in Asia minore (in districta Penneck).

1997. *TRIPLARIS* Linn.

(Endl. Gener. pi. Suppl. IV. II. p. 55. [Synopsis. specier.] — Wiprs. Annal. I. 558.)

Sect. I. *EUTRIPLARIS* Endl. I. c.

1. *TR. BONPEANDIANA* Weddell, Ann. de scienc. natur. (Ser. 3.) VIII. 262. — Arbor: ramulis glabris. Folia . . . ? Inflorescentiae rami horizontaliter patentes bracteaque pubes-

- centi - pilosi Pei inniliuin fructiferum 2 cm longum, tubo suborbiculn extus et intus piloso, pilis magis minusve adpresvis, lacinnis exienonbus oblongis obtusis pilis raris utrinquo inupersis, basi distaniibus dcme lato rectiusculo inierposito, lacinnis intenoibus lmeirihus achaomo mullo bie\ionbus pennnlhii bisi adnatis, uinnque pilosis Achnenium Inie ovoto - triqictum, mbi longiludine, pllide brunro - olivaceum, ficiebus sulioilucuhribiis nilidis, c Insi ad upicem leviter (Inhelliitini sulcalis — Crescil m provincia Maranon Peruvio
- 2 TR FLLIPEN&IS VUddell I cit 283 —Arbor inmulis luborculnto - stnatis glabratis, lato flstuloais Folia ovato-ellipticn 3 dan longa 12—15 cm lata nculmscula, breviter acumindlu, basi in peliolum brevem nierfuata mlegcrnma frmula uinnque pilis brevibus inspmsis, costa venisque puhescniibus, margine breviter cilialis Inllorescentla (in specunibus Auppctenlibus) folns bievior, ramis pateniibusbincteisque dense pilosis Peiianthium frucuferum 20—23 mm longum, tubo o\uto-triquetro acliaemo adpiesso, eztus longe piloso, mtus pubescentr, InciPii* oxtenoribus oblongo-lanceolatis, apice rotundalis, sinu nngustissimo basicoeuntibus, uinnque pilohiusculis, pilis inferne crebnonbus, lacinna interioribus lanceolato -spaihulalis, basin slyli vix ollingeniibus glabernmis, penanihii inne basi mntummodo adnaais Achnenium tuqueirum, lubum penonihu nequans, alienualo - ocuminatum cmnmomeiim, faciebus ovalo - lanccolatis plaruusculis nut sulco superficnli notatis — Crescii in pro\incia San-Felipe reipubhae Venezuela, ad aim 320 mclr
3. TR NOLI-TANGERE Weddcll I c 264 — Arboi 3—6 - molralis trunco erecto nudo, corucp Inevinsculo vestilo, i unulis slrntis glabns, Into Hsiulosis Folia oblongo-lanceolaln, U—JO cm longa, 8—12 cm hm, uinnque aruti, aut apice le\iter acuminatu, mlttgeiima (Irinula, subius juxia cosiam puberula cacterum glabernma, peuolo 1cm lougo In(loret>eniia leimirjulisi folns longior, lamis bori7onialiler poienlibua bractjsquo dense vclulino-jiiiosis Pcnanihiim fructiferum ^5—30 mm longura tufescens, tubo lato ovnto subimpullaceo, extus iniusque molluer pubescenti-piloso, lacinnis extenonbus Innccolalis oblusiusculs, basi sum subroiundo sejunctispubescenlibus, pube supeine brevi adpiessi, inferno ul inipsotubo, larinus inienonbus linean - lanceolalis, stjlorum apicom ntungentibuf, basiet costa pilosiusculis, penanthio libens Achaenium ovato - triquctium, pprianthn lubum nequans, breviter acummatum, pllide olivaceum, faciebus angusio ellipuco-ovalis, planiusculis aut sulcis iribus longiludmnlibus superficiahbusque notais — Crescii in sylvis pnmaevis humidiusculis provinciae Molto-Grosso Biasiliao occidentalis
- 4 TR GUAYAQUILCNSIS Weddelt 1 c — Arbor ramulis stnatis glabns Folia oblonga, 2—3 dem longd, 8—11 cm hla, breviler acummala, basi attenuata vel rotundata subcouacca, uiiuquo ghbenuna aut subtus juxta costam parce villosa costaque juniorum pillii nritsimis cons)cr<>i, pctiolo vix ceniunciiali Inflorescentia foln longior, rainis paicntibus brevitei pubescenli-tomeniosis biacteisque cum podicellis eodem pube etiam \cstuis Peiianthnum fiucuferuia 4'/^—5'/i cm longum, tubo spbaeroideo, extus pubescenii, intus pilosiusculo lacinnis exienonbus lanccolatis obtusis, tubo bis longionbus, utnnque sporsim pilosis, basi sinubus obtusiusculis separalis, lacinnis interioribus linca-lanceolatis, ncbiomo brfvionbus, penanihii panou basi adnatis, inferne tereli-tubulosis pubescentibus, suporne complanalis extusque adpresse pilosis Achae-nium late tnalatum miidiusculum pallido brunneo - olivaceum, faciebus late ellipucis, abrupte acuminans, o basi versus apicem fastigiatim nervosis — Crescit prope Guayaquil
- 5 TR POEPPIGIANA Weddell 1 c 265 - Arbor' ramulis ghbns Folia oblonga, 2-3 cm longa, 8—11 cm lata, acuminata breviter petiolatn subconacea, utnnque glnborrma cosinve juniorum pilis quibusdam longis adpiessis instructa Inflorescentia foln* longior ? i amis paulis puberulis, bracteis extus adpresse pilosis, pediceftii dense for* rugineo-tomentosis Penanthium fructifeium 5—6¹/_a cm longum, tubo obloogo, ~~W~~

- ii)tu«?«ue ndpies^c pubesrenti-piloso, hcinus exlciiorihus lanccolntis obrusig, ulrinque pilosuifculis sinu Into basi separatis lacinnis mlcrionbus lanceolatis, fructum aequantibus, quisi disci etis, pagmi interiori fermgineo - pilosjs Achnomum innlntum, in spenrmnc unico suppccnti tubo muko brevius, fariebus o?ato - oblongis ncuminatig — Crescit in piovincia Maynas Peruviae
- b TR GARDNERIANA Weddell 1 c — Arbor » ramujis stnotis glabns Folia ovato-oblonga, 8 — 15 cm longi, 5 — 7 cm Inln, bicviur ncnminain, basi viz attenuate integerrima subroembranacen, glabra am pilis rarnsimis conspersa cosiaque suhtus adpresse pilosa, margine cilintn Inflorescentia folns subaequalis, ramis paulo patentibus bracieisque pubescenti - pilosis Pemmhium fructiferum 15 — 35 mm longum, tubo ovato, exlu? pubescenti-piloso, inius ghbriusculo, lacimis extenonbus Innceolato-spthulatis obtusis, smu lineau basi sejunctis, uinnque leviter pubescenlibus, lacinus iniononbus lineau - spitbulaiis, achaenu apicem baud attingentibus, penanlhii basi adnaus, in feme pilo^iusculis, caeterum glabns Achaenium late ovalo-tnalaium pallide cinnamomeo-olivaceura, faciebus ovatis acuminatis, transverse profunde concavis, e basi ad apicem fasiigiatim costulatis — Crescit in provincia Ceara Drasilrae septcnlnonalis
- 7 TR TOMENTOSA Weddell 1 c — Arbor lamulis gtriatis glabns Folia ovata 10—15 cm lanturamodo longa, 4—7 cm lata, apico ittenuita ncula, basi emarginato-subcordan, intpgrnma comcta, pilis mollibus tans supra in«?persa, subtus dense pubescnu - tomentosa, costa peioloque (supra) pubescenti pilosis Tnflorescenua maxima folns intermixta, ramis patenubus, bracteis ovatis pedicellisue tomentoso - pilosis. Penantbium frucuferum 3¹/₂—4 cm longum, tubo ovato, exlus tomentofO>|Hibefleenti, inius pilosiusculo, hiciniis exlerionbus tpothulaio-lanceolfln obtusiusculis, sinubus acuiis basi disjuncts, utnnque tenuiter pubescenubus, lacinnis intenonbua* lmeMribos apicem styloium attingentilm*, penanthli lubo e basi ad mediam longitudinem circitei adnatis, sirperno uinnque adpresso pilosis Achaomum late trialaium brunneo-olivaceum, vix nitidum, fanebus obovatis, abruptic acuminntis laevibus — Ciescit in provinciui Diasiliensi Oahia ad upas flumims ban-Franrisco
- 8 TR LINDENIANA Weddell 1 c 2b6 — Aibor nmulis stuatis glabns Folia oblongo-lanceolata 2—3 dcm longa, 8—10 cm Intn, angustc acuminata, basi ailenuata membranacea, sublus juxta costam ferruginco-villosa, coeterum glabernma, petiolo 10—15 cm longo Inflorescentin (ermmalis folns longior, ramis bracteisue (ovato - lanceolatis) pubescentibus Penanthium fructifeium 4—5 cm longum, tubo oblongo - ovato, uinnque pubescenie, lacinus extenonbus linean - lanceolatis oblusiusculis, utrlnque tenuissime pubesceniibus, sinubus laiusculis basi disjunctis, lacinnis intenoribus lineanbus, achaemo paulo longionbus, utrlnque pubescenti-pilosis, pfla adresss, e basi ad tertiam circner longiudinls partem lubo adnaus Achaenium tnalatum nitidum, pallide brunneo-olivaceum, (aciebus ovatis altenunto-acuiis, laevibus aut obsolete fastigiatim stnato - costulatis. — Crescit in provincia Rio - Hacha Nova - Grana-teosiuin

Sect II. *RUPRECHTIA* C. A. Meyei — Endl. 1. c. — Wlprs. 1. c.

- ⁹ Ttt (*RUPRECHTIA*) APETALA Weddell, Ann des scienc natur (3 Set) XIII 268 — Arbor 4-metrabs lamis patulis, ramulis apice puberulis Folia plerumque ovata, ranus oblonga aut obovaia, 3—6 cm longa, 2—4 cm lata, acuta vel obiusa, in petiolum brevem attenuate ngidiuscula, Integra nut sinuaio-crenata, supra pubeiula, mox fflabra, subtus in vems pubescentia Inflorescentiae numerosae axillaies, folns Paulo longiores, ramulis pubescentibus Penanthium fructiferum 3 cm longnin, lubo campanulato⁹ iimidio achaemo brevion, tenutte pubescenti, pedicello gracili, 1 cm. loogo, alis oblongo - Janceolatis obtusis uincrvns, glabns aut margine et costa cilio-

lads, lacmns intouoribus nullis Achaonium superne tnalatum, alia jnforne inciassaiis subbilobu, fcieibus sulco profundo longuudinnli iaraiis. — Ciescil in sylvls bumilibus Boliviae justioliv, juxtñ Pilcomayo Jlumims npa*

- 10 Til (HUPRECHTIA) MOMIS Weddrll I c - Fruix 3-meiralis ramulis patulis apice puboscenubus, demum glibratis Folia ovata 6—8 cm longa, 3—4 cm lota, acuta seu Icvjter aenuata, pguolo brevi instructs, jniegernma aut sinuata membra-nacca, «upn glabra, subtus mollitor pubescenlia Inflorescentin racemoso-pamculaia, folia vlx acquans Peunnihiium frucuferum 15 mm circiter longum, oxtus intusque pubescens, tubo brevi ovnto, lacmns exlenonbus ohlongis obtusis, interioribns nullis Aclnennm lanccolnium, supcine inalaium, alia ciliatis infeme incrassaiis toi ulosis, faciebus sulco longiudimli inaequali — Crescu in provincia liolivjae cisandinae In-quisivi dictn, ad alt 1800 raetr

Tnbus III. *POLYGONEAE SPURIAE* Endl. Gen. pi. p. 310.

1999/? *PLIEUHOPTEBUS Turcz.*

(Turcz Flora [D 7] XXXI 714)

Calyx tubulosus quinquepaititus, lacinus Iribus extenonbus cannato-concavi^, dorso alahs, alis in tubum et pedicellum excurrentibus, fructu matnescente excrescenlibus, lnlennonbus duabus planis minonbus. Corolld nulla Stamina 7—8, filamentis brevibus calyci insertis, an-thens laleiahbus subglobosis biloculanbus, longitudmahter dehiscenlibus. Ovanum triquelium uniovulatum, ovulo suslenlo fiiniculo longmsculo 6 basi orlo et sub apjce reverso Styli duo brevissimi, stigmatibus loti-dem crassis subpiliformibus superati. Achaemum acule tnquetrum mtidum monospermum, semine ereclo, funiculo sustenlo. — Herba Chinensis glabra: folns allerms petiolatis cordalis acutis; ochreiS truncalis, pamculis axillaubus ramosis — Genus *Polygoneum* e tnbu *Spuriarum*, *Podoptero* characlenbus nonnullis afnne, sed ovulis stipitatis, lacinnis pengonu 5 nee 6, stigmatibus duobus et loto habilu alienum.

1 *P CORDATUS Turcz 1 c — Crescit in China boreali

Ordo CLXXIV. ERIOGONACEAE *Wlprs.*

(ERIOGONEAE Dumort. — Meisn. Gener. pi. vascul. I. 317. II. 229. — *Wlprs.* Annal. I. 558. — POLYGONAEUM tribus I. ERIOGONKAE Endl. Gen. plant, p. 305. tt. Suppl. IV. II. P. 44.)

1982. EWIOaOHRUBE *L. C. Rich.*

(*L. C. Rich.*, in *Michi. Flor. Dor. Amenc.* I. 246. tab. 24. — *Endl. Gen. pi. Suppl. IV. II.* p. 44. [Conspectus specierum.])

1. *E. ATRORDBENS* Engelm. *Skтч. of the bot. of Wislic. expod.* 24. adn. + — Perenne: folia radicalibus petiolatis lanceolata elongatis villosis; caulis glabri glauci internodiis superne tumidis clavatis; caule iteratim dichotomo, ad bifurcationes bracteis subulatis pilosis instructas involucrum alare elongato-pedicellatum gerente; involucra campanulatis quinquefidatis, margine pilosis, multifloris. — Uabitat in Nova Mexico (Cosibuirachi).
2. *E. LINDHEIMERIANUM* Scheele, *Linnaea* XXII. 149. f — Gaulia herbaceus erectus teres arachnoideo-tomentosus ramosus. Folia caulina subterna oblanceolata in petiolum angustata integra apiculata, supra cinereo-, subtus albo-arachnoideo-tomentosa. Umbellae terminatae dichotomae multiflorae, radii albo-tomentosi. Inflorescentia centripeta. Dracae ires parvae ovatae albo-tomentosae, ad basin radiorum aequae pedunculorum. Pedunculi albo-tomentosi palentes involucro longiores. Involucrum campanulatum albo-tomentosum 6-fidatum, 10—12-florum, dentes brevissimi transverse latiores obtusi. Flores in involucro pedicellati. — Crescit in Texade in pratis arenosis ad flumen Guadeloupe superius.
3. *E. TEXANUM* Scheele I. c. 150. f — Caulis herbaceus sotidus erectus teres striolatus minute puberulo-tomentosus, superne ramosus, interne aphyllus, basi squamula elongatis lanceolatis foliiformibus vestitus. Folia caulina alterna crassa lanceolata repanda, basi in petiolum attenuata, supra obscura minute puberula, subtus cinereo-tomentosa, fasciculi foliorum minorum in axillis. Petioli compressi basi dilatati. Paniculae rami subfastigiatim dichotomi, apice aibractinosi. Rhachis ferrugineo-tomentosa. Dracae tres parvae ovatae ferrugineo-tomentosae ad basin pedunculi. Pedunculi patentes remoti ferrugineo-tomentosi involucrum campanulatum ferrugineo-tomentosum octoflorum. Flores in involucro pedicellati. — Crescit in Texade in regionibus altioribus prope Neubraunfels.

Ordo CLXV. NYCTAGINACHAE Undi.

(Choisy in DC. Prodr. XIII. II. 425. - [Wlprs. Annal. I. 559.]

Tribus I. *MIRABILEAE* Choisy in DC. 1. c. 427.

VI. ABROFITIA *Juss.*

(Choisy in DC. Prodr. XIII. II. 435. — Wlprs. Annal. I. 560.)

- I. 'A. UMBELLATA Lam. — Choisy in DC. 1. c. no. 1. — Van Houtte, *Flore des serres* V. 425c. (c. ic. xylogr.) — Morren, *Ann. de la soc. d'agric. de Gand* V. 131. tab. 249. — Paxton, *Mag. of bot.* XVI. 36. (c. Ic.)

Tribus III. *BOERHAAVIAE* Choisy in DC. 1. c. 438.

XII. PISOWIA *Plumier.*

(Choisy in DC. Prodr. XIII. II. 440. — Wlprs. Annal. I. 561. — Schlichtd. *Linnaea* XXI. 603. sq. XXII. 868. sq.)

XV. BOEBHAAVIA *Linn.*

(Choisy in DC. Prodr. XIII. II. 449. — Wlprs. Annal. I. 559.)

1. B. GRANDIFLORA Aeb. Richard, *Tent. dor. Abyss.* II. 209. f — Caule elongato subscandente ramoso tereti subhirsuto; foliis petiolatis late ovalibus acutis, basi truncatis, rarius ovni-oblongis, supra subtusque magis minusve dense hirsutis; corollis majusculis umbellulatis, umbellulis axillaribus longe pedunculatis; pedunculis pedicellisque ferrugineo-hirsutis; calyce infundibuliformi pubenti aperto; staminibus exsertis; fructibus obovoideo-oblongis clavalis 5-costatis, pilis glandulosis conspersis. — *B. dicholoma* Hochst. mss. (nee Vahl). — Habitat in Abyssiniae prov. Cbire.
2. B. PEDUNCULOSA A. Rich. I. c. p. 210. f — Caule erecto pallido subglauco pubenti; foliis breviter petiolatis ovni-uctis, margine integris, basi truncatis, utrinque birtellis; umbellulis multifloris axillaribus longissime pedunculatis; pedunculo siricto robusto; floribus majusculis breviter pedicellatis erectis; calyce infundibuliformi supra partem inferiorom induratum et persistentem, apice 5-glanduloso angustato et postea sensim ampliato, externe glanduloso; staminibus longe exsertis; fructu oblongo obconico, apice truncato, et glandulis 5 crassis coronato 10-costato glabro. — Habitat in Abyssiniae locis arenosis provinciae Cliolio et Tselikote.

Ordo CLXXVL AHARANTACEAE R. Br.

(Moquin Taodon in DC. Prodr. XIII. II. 231. 8t 462. — [Wlprs. Annal. I. 561.]

Tribus I. CELOSIEAE Endl. Gen. pi. p. 304.

IV. CEL.OSIA Linn.

(Moq. Tandon in DC. Prodr/ XIII. II. 2^7.)

1. C. (*Lestibudesia*) LEPTOSTACHYA Benth. in Hooker, Niger Flora 491. f — Caule herbaceo (diffuso?) glabro; folia petiolaris ovatis acutiusculis glabris; spicis elongatis gracilibus interruptis; floribus per 3 — 5 glomeratis trigynis; sepalis vix acutiusculis unioerviis; utriculis ovoideo-gibosis. — Crescit in insula Fernando Po.
2. C. (*Celosiella*?) CORYMBIFERA Didriohsen, Ind. sem. hort. Havniens. 1849. p. 13. adn. — Herbacea succulenta glabra: floribus corymbosis majusculis; calyce bracteli duplo majori, capsula subglobosa breviori; stigmatibus stylo brevi. duplo longioribus. — Serra d'Ealrella.
3. C. (*Celosiastrum*) TEXANA Scheele, Linnaea XXII. 148. f — Caulis basi suffruticosus sulcatus globosus ramosus, rami patentes. Folia alterna remote subrhombica-ovata, in petiolum cuneatum abrupte angustata uninervis anastomosantia cuspidata, minute et irregulariter crenulata, utrinque globosa. Stipulae subfalcaiae. Spicae axillares pedunculatae ovatae breves densae multiflorae. — Crescit in Teiade prope Sao Antonio.

Tribus II. ACHYRANTHEAE Endl. Gen. pi. p. 302.

XIX. PTILOTUS it. Br.

(Moq. Tandon in DC. Prodr. XIII. II. 281. — [Wlprs. Annal. I. 564.]

1. PT. LATIFOLIUS R. Br. in Slurt, Exped. Centr. Austr. II. Append, p. 88. — Capitulum gibosum; bracteis propriis calycem superantibus; foliis ovatis petiolatis. — Herba diffuse, ramosa inoana. Folia alterna, petiolata late ovata integerrima. Capitula ramosa terminantia, solitaria vel duo approximate. Bractee laterales scarlosae sessile* late ovatae nerviae. Perianthium foliolis subaequalibus, lana implexa alba basi tectis, ante expansionem ungue nervoso tunc brevissimo, post anthesin limbo scariosam nerviam fere aequante. Stamina 5 untherifera, filamenta basi in cyathulum edentulum connata. Antherae biloculares, loculis utrinque distinctis medio solum conjunctis. Ovarium monospermum glabrum. Stylus filiformis glaber. Stigma capitatum parvum. Utriculus ovalis ruptilis. — in Nova Hollandia centrali.

XXII. eOWLOTBICHJE Turcz.

(Turcz. Bullet, de la soc. des natur. de Moso. XXII. II. 37.)

Bractes latissimae membranaceae mucronatae, dorso pilis nodoso-articulatis dense vestitae, marginibus glabrae. Perigonium 5-phyllum,

foliolis 2 exterioribus majoribus, omnibus oblongis herbaceis in appendicem niveam denticulatam expansis, extus totis pilis densissimis nodoso-articulatis teclis. Stamina 2—3, filamentis inaequalibus liberis, antheris minutis bilocularibus. Ovarium uniovulatum villosum. Stylus brevis, stigmata obtusa. Fructus ignotus. — Herba perennis sesquipedalis, tola tomento stellato pilis simplicibus paucis intermixtis albicans: caule usque ad inflorescentiam indiviso; foliis alternis obovato-oblongis in petiolum brevem attenuatis, mucronulatis, utrinque albotomentosis; floribus capitatis; capitulis ovalis in ramis paniculae terminalis subracemosis; bractea exterioribus majore et latiore; perigonii foliolis exterioribus bractearum interiores superantibus.

1. * *G. TOMENTOSA* Turcz. 1. c. — Habitat in Nova Hollandia.

XXV. *ACHYRANTHUS* Linn.

(Moq. Tandon in DC. Prodr. XIII. II. 309.)

1. *A. (Pandiaka) ANGUSTIFOLIA* Benth. in Hooker, Niger Flora 492. f — Gaule herbaceo clongato subramoso, appresse pubescente; foliis lineari-sublanceolatis strigoso-pubescentibus viridibus, subtus pallidis; capitulis ovatis oblongisve obtusis; floribus albidis; sepalis bractearum laterales subaequalibus enerviis, dorso dense pilosis. — Crescit in Africa tropica occidentali.
2. *A. (Achyropsis) ABYSSINICA* N. ab E. Del. sem. hort. Vratisl. 1850 coll. p. 3. adnot. — Caule rarisque patulis tetragonis pubescentibus; foliis longiuscule petiolatis oblongo-ovatis, utrinque acutis, supra pubescentibus, subtus villosis-sericeis argenteo-nitidis; spicis in ramis terminalibus solitariis oblongis densis; floribus nitidulis staminodiisque roseis; bracteis aequalibus setaceo-acuminatis albidis, calyce brevioribus; sepalis glabris; staminodiis spatulatis, apice dense subulissimeque penicillato-fimbriatis. — Stamina purpurea. Staminodiorum lamina terminalis, nee dorsalis. Ovarium depresso-urceolatum veluti operculo stylogoro planiusculo purpureo clausum. — Habitat in Abyssinia.

XXX. *SANTALIA* Br.

(Moq. Tand. in DC. Prodr. XIII. 325.)

1. * *S. PAPPOSA* Moq. Tand. 1. c. — Choisy in Schleichl. Bot. Zeitng. VIII. 912 — Synonymon *Seddwa intermedia* Hochst. 8c Sleud. mss. ex Choisy. in DC. Prodr. IX. 440. no. 2. ad hanc plantam relatum delendum est.

XXXI. *CYATHULA* Lour.

(Moq. Tand. in DC. Prodr. XIII. II. 325.)

1. *C. NATALENSIS* Sonder, Linnaea XXIII. 96. f — Caule debili ramisque pubescenti-scabris; foliis oppositis brevissime petiolatis obovatis vel oblongo-spatulatis, basi obtusis, apice cuspidatis vel breviter acuminatis adpresae pilosis; capitulis terminalibus solitariis binisve densifloris; sepalis lanceolatis extus sublanatis; staminodiis hirsute glochidibus calyce longioribus aureo-flaveo-aurantiis. — *Pupalia Natalensis* Sond. mw. — Port Natal.

XXXII. PUPJLIA JUSS.

(Moq. Tand. in DC. Prodr. XIII. II. 331.)

1. P. (*Desmochacta*) DISTANTIFLORA A. Richard, Tent. flor. Abyss. II. 217. — Ramulis virgalis subscandeniibus obtuse quadrangularibus, dense birtis, striatis; foliis oppositis ovolibus, basi apiceque obtusis, rarius basi abrupte anguslatis, membranaceis integris, utrinque hirtis; capitulis perpaucis distantibus sessilibus interrupte spicatis trifloris; bracteis ovali-oblongis, longe subulato-acuminatis, dorso lanatis; floris hermaphroditi sepalis oblongo-lanceolatis aculis trinerviis lanatis; florum sterilium sepalis oblongo-lanceolatis Bcutissimis, apice rigidiusculis uninerviis glabns; glochidibus numerosis apice uncinatis; achaenio obovali - compresso apice apiculato. — Habitat in Abyssinia regione Ghoho.

Tribus III. GOMPHRENEAE End]. Gen. pi. p. 301.**XL. AIiTSRHTASTTHfiRA Moq. Tandon.**

(Moqu. Tandon in DC. Prodr. XIII. IF. 350. ft 462. — [Wlprs. Annal. I. 561.]

1. A. VILLIFLORA Scheele, Linnaea XXII. 149. + — Caulis procumbens ramosissimuf, rami ascendentes angulati villosi. Folia opposita longe petiolata obovata vel elliptica spathulata mucronata inlegerrima glnduloso-punctata, sublus ad nervum venasque appresse pilosa, supra glabra. Petioli villosi apice dilatati folio broviores. Floras axillares glfmeroli; glomeruli solitarii alterni villosi - lanati, interdum basi brncteis albo-scariosis breviesiniis ovato - subrotundis transverse lationbus mucronalis suffulli. — Crescit in Tezade, in foro oppidi San Antonio.

XLII. OOJHPHRKHTA Linn.

(Moq. Tand. in DC. Prodr. XIII. II. 383, ft 463. - [Wlprs. Annal. I. 563.1)

1. 'G. PDLHELLA Mut. - Moq. Tand. in DC. 1. c. 405. no. 54. — Van Houtte, Flore des serres V. tab. 451.

XLIII. FROEXICHIA Much.

(Moq. Tand. in DC. Prodr. XIII. II. 419.)

1. *FR. GRACILIS Moq. Tond. in DC. 1. c. 420. no. 1. — *Hoplolheca Texana* Al. Braun, Del. sem. hort. Friburg. 1848. coll. p. 2. adn.

OrdO CLXXVII. SALSOLACEAE *Moqu. Tandon.*

(*Moq. Tand. in DC. Prodr. XIII. II. 41. & 460. - CHENOPODEAE Vent. - WIprs. Annal. I. 505. a 1001.*)

Subordo 1. *CJ[C]IJOIJOJBEAE C. A. Mey. - Moqu. Tandon in DC* 1* c. 49.*

Tribus I. *CHENOPODIEAE Moqu. Tand. 1. c.*

I. *RHAOOIHA R. Br.*

(*Moq. Tand. in DC. Prodr. XIII. II. 49.*)

1. RH. ESCIISCHOLTZIANA Fenzl. Dnkschrfl der k. k. dstr. Akad. (Math, naturw. Classe) I. 257. i.—Caulis basi suJfruticosus (vcrosimillime disiorie rmosus); ramis hornolinis adscendenlibus vel crectis hoibocis patule ramulosis; folia alterna tenue petiolata ovaia, basi subtruncata vel subrhombea sinunlo - dentala vel subhastalo - triloba, lobis paucidentalis vel iniegris, cnulina mnjora subdimidio vel triente fatiora fjuam longa glauca, ramulorum minora parum longiora quam lata purpurco- fannosa, omnia apice oblusissima vel rolundata mucionaia, dentibus inaequalibus Iatis obtusia vel acutiusculis, suprma subinlegra vel Integra rhombea vel oblonga obtusa vel cuspidato - mucronota; florum glomeruli minuii, dense spicati; spiels copiosis racemose vel paniculatum compositis omnino aphyllis; perigonii laciniae dense farinosae, fructiferae vixcarinatae; stjli duo basi coaliii perigonio dupio longiores, sligmalibus papilloso-hirtis; pericarpmm perigonio omnino inclusum carnosulum, dense ac grosse npiliosum semini adhaerens; semen depressiuscule globosum, integumento crustaceo ruguloso atro nitidulo. — In insula Oahu Sandwicensium.

HL B E T A *Tournef.*

(*Moq. Tand. in DC. Prodr. XIII. II. 54. Be 460. — [WIprs. Annal. I. 565.]*)

1. B. STRICTA C. Koch, Linnaea XXII. 180. f — Radix pluriceps; caulis angulatus erectus strictus, 5—? uncias altus, pnueifolius simplicissimus; folia oblonga, radicalia in petiolum aeqmlongum attenuate, floralia brevissima sessllia; flores 3—5 glomerati, spicam laxam formantes. — Crescit in Schirwan, alt. 1000 ped.

VIL CHE1VOPODIUM *Moq. Tandon.*

(*Moq. Tand. in DC. Prodr. XIII. II. 61. ft 460. — [WIprs. Annal. I. 566.]*)

1. CH. TENUE Colla, Memorie di Torino XXXIX. 9. f tab. 50. — Caule herbaceo erecto striato ramisque tenuissimis; foliis lineari - lanceolatis pinnatifldis dentatis integrisve tenuibus glabris: floribus axillaribus aessiUbus 2—4 glomeratis. — In Chili.

2. *CH. AURIGOMUM* Lindl. in Mitchell, Journal of tropical Australia p. 94. adn. f — *Tortura glaucum fariuosum*: caule strieto; foliis petiolatis oblongis subhastatis lobisque posticis obtusis, supremis lanceolatis; spicis compositis nudis aphyllis glomeratis multifloris tomentosis. — Crescit in Australia orientali tropica.

Tribus II. *SPINACIEAE* Dumort. — Moqu. Tandon. in DC. 1. c. 88.

XV. *ATRIPE. EX Grtnr.*

(Moq. Tand. in DC. Prodr. XIII. II. 90. & 460. — [Wlprs. Annal. I. 466.]

1. *A. RETUSAGAY*, Historiade Chile (Bot.) V. 240. f — *Fruicosa dioica incana glabra*: caule ramosissimo cylindrato; foliis petiolatis obovati - oblongis integerrimis obtusissimis, apice retusis crassis; bracteis deinum rhomboideo-rotundatis obtusis obsolete carinatis. — Chile.
2. *A. CHILENSE* Collo, Memoire di Torino XXXIX. p. 7. frfab. 49. — *Caule fruticoso ramisque torluosis pulverulento - cinerascentibus; foliis alternis petiolatis ovatis integris hastatisve obtusis; spicia terminalibus simplicibus densissimis; valvis fructus ovatis integerrimis submuricatis.* — Habitat in Chili.
3. *A. . . .* Colla 1. c. p. 8. f — *Caulis frutescens 3—4-pedalis; flores haud visi. Species igitur etiam pro genere dubia. Alii characters a specimine meo deprompti, sunt: caulis angulosus, angulis obtusis odmodum prominulis, carnosus, ut petioli ferrugineus; folia alterna approximata petiolata ovata 2 poll, longa, 1 Jala, obtuse sinuata nervosa glabra, superne flavescenti-viridia, inferne pallidiora mollissima, petioli lineares pleni carnosuli laminam subaequant.* — In insula Juan Fernandez.
4. *A. NUMMULARIA* Lindl. in Mitchell, Journal of tropical Australia pag. 64. adnot. -f — *Caule sui fruticoso glabro ramoso; foliis alternis ovato - subrotundis integerrimis petiolatis, basi cuneatis, utrinque argenteis; floribus monoicis; spicis longis pendulis; bracteis subrotundis dentatis, basi connatis.* — Crescit in Australia orientali tropica.

Tribus III. *CAMPHOROSMEAE* Moq. Tandon in DC. 1. c. 122

XXVIII. *PASTBESRIA Fisch. sf Mey.*

(Moq. Tand. in DC. Prodr. XIII. II. 124.)

1. *P. DIVARICATA* C. Koch, Linnaea XXII. 186. f — *Annua ramosissima, ramis poene, ramulis exacte horizontalibus pilosa: folia lineari - oblonga, floralia floribus paululum majora; nores singuli aut bini, spicara densam referentes.* — Crescit prope Erzerum alt. 6000 ped.

XXXVI. *KOCHIA. Moq. Tandon.*

(Moq. Tandon in DC. Prodr. XHI. II. 130. & 461. - [Wlprs. Annal. I. 567.]

- * *K. THYMIFOLIA* Lindl. in Mitchell, Journ. of trop. Austral, p. 56. adn. f — *Fruticosa ramosissima: ramulis intricalis pubescentibus; foliis carosis obtusis teretibus fructibusque glabris.* — Crescit in Australia orientali tropica.

2. *K. LANOSA* Lindl. In Mitchell 1. c. 88. adnot. f — Ramis strictis foliisque linearibus acutis cinereis toroentosis; fructibus lanatis; calycis laciniis elongatis. — Crescit in Australia orientali tropica.
3. *K. VILLOSA* Lindl. in Mitchell 1. c. 91. adR. f — Ramis erectis foliisque linearibus villosissimis; fructibus glabris. — Crescit in Australia orientali tropica.

Tribus IV. *CORISPERMEAE* Moqu. Tandon 1. c. 138.

XLI. *ALTTHOCHIAJFTLIR S FNZL.*

(Moq. Tand. in DC. Prodr. XIII. II. 142.)

1. **A. POLYGALOIDES* Fenzl. — Moq. Tandon 1. c. 143. no. 1. — Jaub. & Spack, Illustr. pi. orient. III. 143. f. tab. 299.

**Subordo II. *SPIMOIJÖJBEAE C. A. JKEYER.* -
JUOQ. TANDON I.E. 158. •**

Tribus VI. *SUAEDEAE* Moq. Tandon 1. c.

XLVIII. *SCHATFGINIA C. A. MEYER.*

(Moq. Tand. in DC. Prodr. XIII. II. 153.)

1. *SCH. TRIBRACTEATA* C. Koch, Linnaea XXII. 188. f — Glaberrima erecta ramosa annua: ramis divaricatis et patulis; folia crassiuscula linearia; flores glomerati, cum folio florali pedunculo brevi insidentes, tribraeteati; perigonium immutatum aut paululum inflatum, totum utriculum includens. — Habitat . . . ? (in Asia minori?)

L. *SUAEDA* Moq. Tandon.

(Moq. Tandon in DC. Prodr. XIII. II. 155. ft 461.)

1. *S. TAMARISCINA* Lindl. in Mitchell, Journal of tropical Australia pag. 239. adnot. — Fruticosa ramosissima: foliis brevibus cylindraceis imbricatis oblongis; axillis lanatis; floribus solitariis sessilibus. — Crescit in Australia orientali tropica.
2. *S. LONGIFOLIA* C. Koch, Linnaea XXII. 188. f — Fruticosa erecta aut ascendens ramosissima glaberrima; folia praesenim inferiora paene peltata, ex superficie superior! plana acutiuscula; flores terni aut singuli, sessiles, ex parte fructiferi, distantes; perigonium serius immutatum; utriculus laevis nitidus rubro-brunneus. — Crescit in peninsula Tainan.

Tribus VII. *SALSOLEAE* Moq. Tandon 1. c. 169.

LXI. *SALISOLIA Grtnr.*

(Moq. Tandon in DC. Prodr. XIII. II. 179. ft 462. — [Wlprs. Annal. L 568.])

1. *S. PULLA* C. Koch, Linnaea XXIX. 190. f — Annuæ erecta glabra: ramis oppositis simplicibus; folia crassa, sed ex pagina superior! plana oblonga sessilia; bractæae fo-

lio florali multo iniores; flores bini aut terni, alis amplis explanatis pullis serialis. — Crescit in districta Kagbysman in Asia minore.

2. S. CANA^m C. Koch l. c. 190. f — Fruticosa? erecta, pilis adpressis albida: caulis et rami teretes; folia alterna pollicaria iriquetra linearia, ex pagina superiori plana acuta; bractee folio florali iniores; flores singuli aut bini; alae nigricantes mediocres. — Crescit in Armenia Rossica ad flumen Araxen.

LXII. HIRSAEOSTELES C. A. Meyer.

(Moq. Tandon in DC. Prodr. XIII. II. 194.)

1. II. HIRSAEOSTELES C. Koch, Linnaea XXII. 192. + — Hirsuta: caulis erectus aut ascendens, ex basi ramosus; rami simplices alteri; folia longa, uni- saepe bipollicaria, plana acuta alterna; perigonium pentaphyllum glabrum; stamina 5, antherae appendiculis valde exsertis ovatis praedictae. — Crescit in Caucaso occidentali.
2. II. PYCNANTHA C. Koch l. c. 193. t — Pilosa aut pilosiuscula, inferne ramosissima: ramis simplicibus alternis patulis; folia crassa, ex pagina superiori plana alterna linearia obtusiuscula; flores glomerati; bractee folium florale, etiam ex magnitudine aequantes; perigonium pentaphyllum glabrum; stamina 5) antherae appendiculis ovalibus praedictae. — Crescit in districtu Pennek in Asia minore.

ORDO CLXXVIII. BASELLACEAE Moq. Tandon.

(Moq. Tandon in DC. Prodr. XIII. II. 220. tt 462.)

XI. UBEROSUS Lozano.

(DC. Prodr. III. 360. — Moq. Tandon in DC. Prodr. XIII. II. 462. tt 221. — *Mellocia* Lindl. — Moq. Tandon in DC. l. c. 224.)

1. U. TUBEROSUS Lozano. — DC. l. c. no. 1. — Moq. Tandon l. c. 462. — Van Houtte, Flore des serres IV. p. 406 c, (c. ic. xylogr.)

Ordo CLXXIX. PHYTOLACCACEAE *Endl.*

(Moq. Tandon in DC Prodr. XII! II. p 2 ft 459 — [Wlprs. Annal. I 571J)

XIII. PMYTOIiACCA *Tournef.*

(Moq. Tandon in DC. Prodr XIII II. 31. ft 459)

I "PH DECANDRA.Linn. — Moq Tandon in DC. I c. 32. no. 3 — Torr. Flor of New York II 157. f Mb 94.

Ordo GLXXXII. LAUREAEAE *Lindl.*

(Lnull, liirotluci [edit. 2] 200. — *Laurineae* Veni. — Endl. Gener. plant, p. 315, Suppl. I p 1378 Suppl IV. II p 56. — Meisn. Gener. pi/ vascul. I. 324. II. 237. — Wlprs. Annal. I. 574.)

Tribus III. *PHOEBEAE* N. ab E. Laurin. 93.

2026. *PHOEBE* N. *ab E.*

(N. ab E. Laurin. 98.)

- 1 PH CINNAMOMIFOLIA N. ab E. Linnaea XXI 488. f — Foliis oblongis, utrinque modice auricatis, subtus in juveniuto ramisque juvenilibus puberulis, aetote glabrescentibus, nervis costalibus inferioribus suboppositis, axillis barbatis; perianthii pubescentis laciniis subaequalibus ovatis, sub fructu patentibus; bacca ovuli. — *Per sea tinatnomifolia* II. et Knth. — *Laurus Hundensis* herb. Willd. — *Phoebe elongata* N. ab E. — *Laurus elongata* Vahl. — *Laurus triplinervis* Fl. Per. ed. Ruiz. — Crescit prope Mariquita in America aequinoctiali.
- 2 PH. RUIZIANA N. ab E. I. c. 489. f — Foliis ovato-oblongis, apice magis obtenuatis, acumine obtuso, basi acutiusculis inaequalibus, adullis glabris, axillis venarum costalium aequalibus, inferioribus barbatis; paniculis axillaribus terminalibusque subfasciculatis foliisque floralibus parvis deciduis, floribusque canescenti-subtomentosis. — *Laurus heleranlicra* Fl. Peruv. ed. Ruiz. — In Andibus Peruvianis.
- 3 PH. SALICIFOLIA N. ab E. I. c. 488. f — Foliis oblongo-lanceolatis acuminatis subiriplinorviis membranaccis glaucis, subtus pallidioribus paniculisque subtorninalibus corymbosis gracilibus in medio divisis glabris; floribus cymulosis longe pedicellatis. — Habitat in Mexico

Tubus IV. *PERSEAE* N. ab E. 1. c. 120.

2027. *PERSE A Grim*

(N ab E Launn 123 — Wlpis Annal I 575)

- 1 *P. (Gnesiopeisea) PACHYPODA* N ab E Linnaea XXI 490 +— Folin* clliplito-oblongis obtuse cuspidalo-acuiis, basi aculiusculis, supra glabn* mlidisque, subtus opatis ramulisque pubescenlibus, pedicellis fructu* inciassatis obconicis rcciiis, peiantfm fructus lac mi is acqualibus ovatis acutis paieniissimis bncca ovali — Similis *Poiseac macrop94ae* II ft Knth — Habitat in Mexico.
- i P (Enodaphne) AURATA* Hiqu Linnaea \XII 805 f — Ram u I is, petiolis et iulores» centia rubigmoso-hirsululis, foliis (suinmis suboppositi:*) lanoeolalo- vol subolhptico-oblongis obtusiuscule subpiculaus, basi rolundatis moiginibusque levitei convexis, conaceis, supia subarachnoideo - villosulu glabrescentibus, sublus aureo - senceis, vems costalibus circiter sems patule ascendentibus, panicuhs axillanbus subspicalis, folia superanlibus subsessilibus, ramulis brevissimis, infctioubus tnflons, suponoubus umfloii3, summis flonbus fere sessihbus, pengonio jilus et exlus fusco-husuto, lobis ovatis, 3 extenoiibub quam intenoits duplo tuplove bievioubus — Lroscu in Brasiliae provincia Balua.
- 3 *P SUBGOROATA* N ub C Linnaea XXI 4« f — Foliis ellipticis, ulunque **obtusis-** **»MS,** was 1 subretusis inaequalibus rciiculatis, costis venisque subtus prominentibus n,r» hiiwuifs, interslitiis glauns glabrluscuhs, penanthu rufo-hirsuli lacinns ovatis extewoiibus paulo brevionbus — *Lawn subcoidata* Rz ft Pav mss — In Peruvia ad Chinchao

2031 *HUFEIiAI^DIA* N. ab h.

(N ab E Lauun 187)

- 1 *^H f SULCATA* N ab L Linnaea XXF 494 f— Foliis cllipticib obtu^is, ba^i atulis A el subaculis, pamcuhs slncis, bacca oblonga, pedicollo apice nudo — *Uujtlandiu lo- vaiensis* Kl ft Kisln mss — *Lamus sulcata* Rz ft Pav — Habitat in lepublica Co luinbia

Tubus V *CRYPTOCAHYEAE* N ab E 1 c 191

2033// *BICTYODAPJOHE* Bin me.

(Blumo, Mus boi Lugd But p 270)

rioies heimaphroditi. Pengonium rotaium, sexpartitum, ima ctrcum- scisso-deciduum, iacinns inaequalibus crassiusculis, tnbus exterioribus majoribus et magis patentibus. Staminodia nulla. Antherae Ires sessiles, lauci jnsertae, limbi lacinns majoribus oppositae, ovato-tnangulares, comventes crassae stibvelutmae, biloculaies, extrorsum laterahter val- xuhs totidem ascendentibus delnscentes. Ovanum globoso-ovoideum, nonmhil gibbum uniloculare unio^ulatum. Stigma sessile obtusum. Bacca monospeima, pedicclo hand mcra^saio insidens. — Arbor archi-

pelagi Indici. li^{no} duro rubescente, folus allcnus oblongis conaceis utiinque icticulalo-venoMS glabris, gemmis parvis incompletis, laccmis axillanbus bre\ibus simpheibus v. parum ramosis pauciflons ochraceo-vclutinis, pedicellis brevibus, memo mmule bibracteolatis unillons, fiuclibus cyhdnus.

1 * D RUBESCMS Illume I c no 599 f - In Archipelago Indico

2036. CRYPTOCARYA *II. br*

(N ab E. Launn 205 — Wlprs Anna) I 575)

1 in LATIFOLIA Sonder, Lmnaea XXIII 100 f— Rufescens lamulis pubciulis; folus bitutci pcliolalis oblongo-ovatis oblurs, basi acutiusculis, supra glabris, subtus palidionbus pubescentibus penmneivus, basi trinervna, paniculis axillanbus folio tnplo bievioubus, pedunculis lionbus pubescentibus — Port ~~Natal~~

2039 MESPIIiOBAPHIVE *J. ab E.*

(N ab E Launn. 235)

1 M BALANOCARPA N ab E Lmnaea XXI 495 f — Folm ovah - oblongis, acummc obluso, bnsi acutis glabris concolonbus punctato-rciiculalis, ramis costalibus I emu bus venosis , fru^{nbu}s obovato - pyriformibus gnseo - verrucosis, limbo s'jbmciso , bncca apice impressa subprominula — *Laurus balanoearpa* Fl Pcruv ed Ruiz — Crescit in Andibus Peruvianis

Tnbus VI. ACRODICLIDIA N. ab E. 1. c. 243

2040. AYBSSSTBROST *N. ab E. Sf Mart.*

(N, ab £. Launn. 245)

- 1 AY ACIPJIYLLUM N ab E Lmnaea XXI 496 f — Folus ovali-oblongis angustissimc longc cuspidatis, basi acutiusculis, utrinque reticulatis mcmbi anaceis, subtus glauce*-ccntibus lamulisque novellis pamculisque pubescenti-scabus, flonbus nutntibus mcams — *Ay firmulum* N ab E — Crescit in Guiana Ontanmca ad fluvium Pomeroon
- 2 AY RIPARIUM N ab E I c 497 f — Folus ovah - oblongis breviter cuspidatis, basi icuiis tenuibus, sublus, ramulis juvemlibus pamculisque subpulverulento-canis, flonbus nutantibus — Pei simile *A firmulo*, differt ram is el onga us flaccidis, folus lationbus icnuioiibus non acutis acurainatisve ted evidenter breviterque cuspidatis, cuspidc in plensque acuta, flonbus dimidio fere minonbus — In Guianm Anghca ad flumen Pomeroon
- 3 AY. GLAUCUM Klizsch ft Karsten mas eiN ub L. I c f— Folns Innceolato-oblongis obtusis, basi acuta in petiolum Jntum decurrentibus, conaceis, sublus glaucis ramuhsque angulosis glabris, raccmo fructifeio cernuo, bacca ovala — Aftlne *A firmulo* ot fonassi8 ejusdein vnctas, diffTct impiimis racerao Iruclifeio fere pendulo ct folus pro Intitudine longionbus, apice angusUonbua oblucmque, noc^{ero} aubcuspidaiis — ~~Crescit~~ in Columbia
- 1 AY RODUSTUM Kitzsch & Karsten msj, ex N ab E 1 c f — (olus oblongis oblusi* cum |Q| sine cuspidulo bievi^{suno} oblusoquo, basi obtu^a in petiolum dcsinentibiu*

coriaceis crassis, jliTenilibus subtus puboscentibus, adultis cum peioliis canaliculate brevibus ramisque verrucosis glabris; ramulo florifero racemisque subterminali-aggregatis strigoso-sericeis; floribus nuianlibus, cupula profunde verrucosa, ore lacero-dentata; bacca subglobosa. — An varietns *A. jirmuU'i* — GrosCit in Columbia.

5. AY. MUCA N. ab. E. I. c. 498. f — Foliis lanceolato-oblongis, obtuse cuspidolls obtu-sisve, basi acutiori in petiolum acute desinenlibus coriaceis glaucis romulisque glabris; pedunculis fructuum infraapicali - axillaribus brevibus puueifloris rigidis glabrinsculis; cupula fructus hemisphaerica rugosa et verrucosa, limbo crenato. — Species disiuncta at sedis insertae propter flares defcientes. — *A. glauco* baud absimilis, cupulis ilifTeri duplo majoribus. — *Laurus Muca* an *DoTbonia* Fl. Peruv. ed. Ruiz ? — Crescit in non-libus Andium Peruviansium prope Pozuzo, Cuchero etc.
6. AY. HOSTMANNIANUM N. ab E. I. c. 499. f — Foliis oblongis acutis cuspidaiisvc, cuspidate obtusa, coriaceis in petiolum teretiusculum obtuse desinenlibus glubris; ramulis apice tomentosis, pedunculis infra gcmnam terminalem tomentosam uggrega-lis, basi bractea brevi suffultis, pubescent!-subtomentosis griseis.
 - a. Foliis longe cuspidatis; paniculis folio brevioribus. — Crescit in Surinam.
 - p. Foliis subcuspidatis simpliciterve acutis, acumine obtusiusculo; paniculis folia aequamibus vel excedontibus. — Surinam.

2042. ACRODICLIDIUM N. ab E.

(N. ab E. Laurin. 286.)

1. A. OPPOSITIFOLIUri N. ab E. Linnaea XXI. 600. f — Ramulis quadrangularibus foliis-que oblongis argute cuspidato - acuminalis, subtus pulverulento - puberulis opposite; tubo calycis oblongo. — Crescit in Guiana Britannica ad ripas fluminis Wayna.

Tribus VII. NECTANDREAE N. ab E. 1. c. 275.

2044. HnECTASTDRA Rottb.

(N. ab E. Laurin. 277. — Wlprs. Annal. 1. 575.)

S- 1. Pomatia N. ab E. 1. c.

1. N. FURCATA N. obE. Linnaea XXI. 501. f - Foliis oblongis, mrinque parum atienuatls, acumine npicls obtusiusculo, utrinque laevibus rigidulis ramisquo angulatis glabris, rnmis costalibus tenuibus, infra marginem discrelis; panicnlis dxillnrribus, folia aequan-libus rigidis subtilissime tomentosis a medio divisls; floribus in rminorum 'paniculao • npicibus subcapitatis; anllicris suborbiculalis. — *Laurus fwzata* Fl. Peruv. cd. Ruiz — Crescil in sylvls Andium Peruviue, prope Cuchero et Chinchao.
2. N. LONGIFOLIA N. ab E. I. c. 502. + — Foliis ovoli-oblongis aenminatw, basi acuta in petiolum decorrenllbus (rariusvo basi obtusis) ramisque acute angnlatis glabris coria-ceis; paniculis axillaribus corymbifloris folio brevioribus pulverulento - lomentosis rigidulis, ramulis compressis, plexu nervorum costalium submarginali obsoleto; an-Uieris triangularibus. — *Laurus longifolia* Ruiz. — Crescil In Peruvia et Chili.

P. Foliis basi oblusis neque in petiolum decurrenlibus; cupulis iructus ulbo-verrucosis; bacca subglobosa dimidio immerse. — *Laurus hngifolut* Ruiz. — Crescil m sylvls Andium Peruviae.

- 3 N MOIUTIANA Kltzsth mss ex N ab L 1 c 503 f — Foliis elliptico - oblongis ovulivae obtuse et breviter cuspidatis, basi »cutiusculis obtusis rugosis reticulatis, junioribus subtus, ramulis paucis subbirsoides folis brevibus fulvo - tomentosus supra nitidis, vetate et subtus nivenibus, in costis et vasis prominentibus hirsutis, antheris subrotundis — Crescit in Columbia,*pi ope colomam Tovar
- f 'N DRLDEMEYLRIANA N ab E I c 505 f — *N Willdenowiana* N ab E Syst Laurin 290 — *Lamus saliafoha* Willd Herb no 7783
- 5 N LAUREL Kltzsth mss c* N ab L I c 505 — Folus oblongo - ovalibus acuminatis, basi obtusiuscula in petiolum desinentibus sublus iamuliscis rufescenti - tomentosis paxu nivoium costulium submarginati tenui, petiolo phno, margibus angustis levolutis, pedunculis axillaribus corymbifloris, lilio brevibus, antheris triangulatis — Crescit in Columbia
- u N CAINLSCLNS N ab E Syst Launn 280 *P dmersifolia* H ab E Lmnaea XU 501 f — I olus inonibus 4—5 poll longis, 1—1'A poll Intis confertis, superius acuminatis, ocumino modo aiguto obtusiusculo, inferioribus obtusis, recte venarum sublus minus prominentibus, lamis costatis 6—7 — Calyces giossiflori globosi, lacinus perianthii Antherae omnino ut in specie principali Pubescentia subtilissima \n specues distmca? — Habitat in republica Columbiensi

§. 2. *Porostema* Schreb — N. ab E. Launn. p. 298.

- 7 -iN ILUrVMMAIS ab L Sjst Laurin 310 ft Linnaea XXI 507 f
 a paucis folia subacquantibus magis patulis — *Lawus Tihua* 11/
 P paucis brevibus densibus paucifloris — *Neclandia Uucantha*
 N i b t Sysi Launn 310
 Y paucis laxioribus giacilioribus
 8 panhulis aggregatis brevibus* depauperatis — *hectandia Jlodtati* H Sthouib in Hook Lond jouin of bot III 626 — Miqu Stnp Sunn select 197 f tab 58
- 8 N PIS! Miqu Stirp Surimms select 199 f tab GO — Folus oblongis vel ellipticis, raro sublancoatis, neuminatis vel aculis, basi subcuneo-acuta revolutis, saepe intiequilatris conacoo-chailaceis, utrumque cum lamulis pulveulento-pubeulis, costis .scnis laio qumis, inferius piessitum in axillis barbatis, ihyrsis in .mlis superioribus solitius pedunculatis, taintu tuoliolomo-ramulosus, pulverulento-tomentellus, lloibus phrumtjut terms, exclus bjius, mius antherisque spongioso-lomenicellis — Ciescn in Surinam
- ' iN A^UTA^GULA Miqu Lmnaea XXII 800 + — Ram is ramulisque cinssis inaequaliter 5 vel sub - 1-angulatis, fere penlaquetus, angulis acute peritactis, faciebus cuniculatio - demissis, cum folis subtus IOIC glauco evanescenti suffusis, folis subovato-ellipticis breviter acutiuscule acuminatis, basi acutiuscula in petioli canaliculati margines protrahit, conaceis, supra nitidis, imprimis in costa subtusque universe petioloque tencie subsingillosis glabrescentibus, vems costibus qumis soplcnisque subpaulis prominentibus reticulatis, paucis axillaribus compositis puberulo - canulis, perigonu rotundis lobis ellipticis, exclus appressepilosis, marginibus papilloso-subciliatis, intus glabus, tubo mius paice piloso — Crescit in Biasilme piovmcia lialia
- 10 N PUNCTATA Kltzsch mss ox N ab C Lmnaea XXI 509 f — Folus ovalibus breviter et obtuse cuspidatis, basi obtusiusculis laxe reticulatis glabris conacis concoloribus, costis \n latis, pedunculis fructus axillaribus brevibus paucifloris, pedicellis (fructus) obconicis crassis erectis — *Lawu6 pundata* Fl Peruv ed. Rui? - Ciesnt m sjlvis piovinuae PciuMann Mufid

11. N. LIMBATA N. ab E. I. cil. 509. f - Foliis oblongo - lanceolatis, utrinque attenuatis, acumine obtuso, basi acutis coriaceis arcu reiculis glabris concoloribus; pedunculis axillaribus folio brevioribus validis oligocarpis; cupula fructus magna hemisphaerica tuberculosa, limbo duplici, exteriori crenulato, interiori integerrimo. — *Laurus* Æmfcá Fl. Peruv. cd. Ruiz. — *Laurus Puchery* FJ. Peruv. ed. Ruiz. — In Peru via.
12. N. PALLIDA N. ab E. 1. cit. 510. f — Miqu. Stirp. Suqn. select. 198. f tab. 59. - Foliis oblongo - lanceolatis, apice attenuate, acumine obtuso, basi acutis, utrinque, ramis paniculisque axillaribus patentibus pulverulento - subtomentosis costalis, axillis cosiorum subbarbatis | baccis oblongis. — Crescit in Guiana Britannica.

t Icon **addenda***

N. GUSPIDATA N. ab E. Laurin. p. 330. — Miqu. Stirp. Surinam, select. *00. tab. 59. It.

Tribus VIII. *DICYPELLIA* N. ab E. 1. c. 341.2047. *PIEIJROTHYRUS* N. ab E.

(N. ab E. Laurin. 349.)

1. *PLMACKANTHUM* N. ab E. Linnaea XXI. 512. f — Paniculis axillaribus rigidis, basi foliosis rufo - tomentosis; foliis oblongis acutis, basi brevi spatio in petiolum acute decurrentibus, sublus canescentibus, subtilissime tomentosulis. — A. *PI. ctneifolio* differt paniculis rigidioribus axillaribus, ad basin folio uno et altero reliquis minoro praediiis; pedunculo communi parialibusque crassioribus rufo - lomentosis. — Crescit ud Qutnen Amazonum et ad pedes Andium Pcruviensium.

Tribus IX. *OREODAPRNEAE* N. ab E. 1. c. 353.2050. *AJOVX3A* *Aubl.*

(N. ab E. Laurin. p. 362.)

1. A. *DENSIPLORA* N. ab E. Linnaea XXI. 513. f — Paniculis confertis multifloris scabriusculis. — Differt ab A. *Guidnenni* foliis multo amplioribus, 9 poll. Jongis (oblongis), apice baud attenuatis, sed brevissimo obtusoque acumine terminatis crassioribus nitidissimis, paniculis brevioribus multifloris (ramisque) 3—4-fldis ad apices ramorum congestis, pedicellis calycibus hrevioribus. — Grosclt in Demerara, et ad ripas fltunis Surinam prope Joden-Savanna.
- ? A. *TENELLA* N. ab E. 1. c. 512. f — Paniculis ad basin rami axillaribusque geminis oppositis glabris graoillimis, ramis apice cymoso multifloris curvatis. — Surinam.

2051. *OBPPERTIA* N. ab K.

(N. ab E. Laurin. p. 365.)

- ¹ G. *REFLECTENS* N. ab E. Linnaea XXI. 514. f — Ramis junioribus lamentosis, adultis glabrescentibus; foiiis oblongis acutis, supra glabris, subtus molliter pubescentibus

(arcto reticulatis), filamentis antheris subquadrata brevioribus; perianthii laciniis reflexis. — Sicut in *G. hirsuta*, differetia foliorum reii densiori, venis costalibus tenuioribus, paniculis laxioribus (hirsutis), floribus minoribus. — Crescit in Guiana Britanica.

1. 6. DYSODANTHA N. ab E. 1. cit. f — Glabra: foliis ovatis cuspidatis, basi acutiusculis reticulatis; floribus strigilloso-canalicatis; antheris ovatis filamentum aequantibus, lacinii ordinis brevioribus mucronulatis, infra apicem bilocularibus, loculis orbiculatis. — *Laurus dysodantha* Fl. Peruv. ed. Ruiz. — Crescit in Peruvia, Macara.
3. G. MULTIFLORA Miqu. Siirp. Surinamens. select. 203. f — Foliis breviter petiolatis, oblongis vel obovato-oblongis, breviter acuminalis, acutiusculis vel obtusiusculis, basi acutiusculis, marginibus revolutis, costulis fere octonis, subtus incano - subhirsuto - tomentosis, supra molliter pubescentibus et cum ramulis petiolisque in nervo medio rubiginoso - hirsutis; inflorescentiis ad ramulorum vertices axillaribus pedunculatis composito particularibus fusco - pubescentibus - hirsutis, ramis primariis suboppositis vel alternis ramosis, racemoso- vel fasciculato-floriferis griseo-hirsutis; floribus breviter pedicellatis extus hirsutis campanulatis, limbi lobis reflexis glabris fuscis, tubum superantibus. — Crescit in Surinam.

2052. OREODAPHNE N. ab E.

(N. ab E. Laurin. p. 380.)

1. 0. (*Acriphracta*) SUBLANUGINOSA N. ab E. Linnæa XXI. 515. f — Foliis ovalibus laxè reticulatis, supra præter costas glabris, subtus costisque ramisque rufo-hirsutis; paniculis folia aequantibus angustis attenuatis tomentosis; ramis paniculae brevibus; floribus in ramorum (ramulorumque) apice congestis. — *Laurus sublanuginosa* Fl. Peruv. ed. Ruiz. — Crescit in Chinchao et sylvis aliis Andium Peruviae.
2. 0. GLOMERATA N. ab E. I. c. f — Foliis oblongis acutis in petiolum acute desinentibus, subtus glaucis paniculisque strigilloso - pubescentibus; floribus in ramis paniculae glomeratis. — Differt ab 0. *opifera*, præter notas indicatas, paniculis minus compositis angustioribus, floribus circa apices ramorum (ramulorumve ramorum inferiorum) subsessilibus aggregato - capitatis. — Crescit in Guiana Britanica, Savanna prope Pirara.
3. 0. MORITZIANA N. ab E. 1, cit. f — Foliis oblongo-lanceolatis, utrinque attenuatis, apice obtusis, basi in petiolum latum acute desinentibus, supra glabris nitidis punctato-reticulatis costis pubescentibus, costis rufescentibus - hirsutis; ramis angulatis, apice rufo - tomentosis; paniculis folia aequantibus longe (pedunculatis angustis incanis; floribus in ramulis paniculae glomeratis. — *Ocotea Caraeaana* Klzsch. — Crescit in Columbia.
4. 0. (*Agriodaphne*) GRANDIFOLIA N. ab E. 1. c. 517. f — Foliis oblongis brevissime cuspidatis, basi cuneiformibus, dense reticulatis concoloribus glabris, supra nitidis, multico-statis, axillis costarum subtus eporibus; ramis acute quadrangularibus; petiolis brevibus; paniculis infraterminalibus, folio brevioribus divaricatis pubescentibus - scabris; floribus in apicibus ramulorum cymosis canescentibus; fructu ...? — Crescit in Peruvia, in sylvis prov. superioris Maynas.
5. 0. (jgii)EIFOLIA N. ab E. 1. c. 518. f — Foliis obovato - cuneiformibus obtusissimis, laze obiterque reticulatis concoloribusque; ramis angulatis glabris; axillis costarum "flubtusjeporibus; petiolis longiusculis; paniculis axillaribus et infraterminalibus, folio brevioribus patentibus glabris; floribus in apicibus ramulorum cymoso - aggregatis nantibus; fructu ...? — *Laurus cuneifolia* Taffallft. — *L. obovata* Ruiz. — Crescit in sylvis Peruvianis, ad Pueblo nuovo, Chinchao, Macara et alibi.

- b 0 OHLONGO-OBOVATA N ab h I c f — Folns oblongis obiusobicvilcique ruspidalM basi cuneifoimibus laxen(evidenter reticulais concoloribus mud is romisque Bubangulaiis glabris, ramorura costalium nngulis subtus barbulaiis eponbus, peiolis longiusculis paniculis infrateiminali - axillanbus aggregaiis, a bisi fere dmsis, folia subaequaniiibus peiantluisque ghbns, flonbus in apicibus ramulorum cjmulosis ereciis; frttitu ? — *I minis oblongo - oboiata* Ruiz — Ciescit in sylvi* Andium Periiutnsium
- 7 0 SCHOMIURGKIANA N obE 1 c 519 f — Foliis ovalibus angusie longiusculo cuspidalis, cuspidate obtusu subinde acula, basi auitiusculis obtusiusculisve, subtus lax< leticulaus glabns ngidulis supn glaucscenubus<, axillis vcnarura costalium subins eponbus concolonbus, petiolis brevibus paniculis axillanbus brevibus pauciflons in pamcuhm terminalcm patulam, demum foliis decrescentibus orbalam abeuniibus flonbus in lamulorum pmlPtium pamculao apicibus temls bre\iter pedicellatis — Crescit in Ocmeraia Guianae Bntannicie
- (S. *tpmsifloia* rncemulis parvis subsimplicibus sparsis pauciflons, Iructifens subuniflons longionbus — Ciescu ad ripas flumims Rupunum in Guiana
- 8 0 CAUDATA N ab K 1 c f — Foliis CMall -oblongis longe cuspidalis, cuspidr nngusia obiusiuscula subfalcata, Insi aculis, supra laevibus, subius reticulatis pubescenti - scabns, axillis venarum cosialium subtus eponbus paniculis axillanbus divancatis scabus gracilibus, lamulis reflexis iriflons — Crescit in Guiana Omanmca ml ripas flumims Pomeroon
- 9 0 CRASSIFOLIA N ab E) c 520 f - Foliis ovalibus subcuspidatis, cuspidate obtu^t, basi obtusiuscuhs arete reticulais glabris rigidis, axillis venarum cosialium subius eponbus, petiolis brevibus crassia trigoms, pamcula terminali sessill brevi decomposita ghbra, ramis rigidis, flonbus cernuis nggregatis — Grescii in Guiana Dntannicn prope Roraimo
- 10 0 LEPTODOTHA N ab E I c f- Foliis ovalibus onguste cuspidatis, cuspidate obtusiuscula, basi bre\ilci acutis reticulais \(.nosi^quo glabris concolonbus, axillis lamorum costalium subtus eponbus, paniculis ad basin ramorum nudis, summis nxillanbus folio brevionbus divaricatis composilis glabns, flonbus longe pedicellalis glabris, lacinnis periantbii inangulaubus obtusiuscuhs, fiuctu ⁷ — *Laurus Uplobolia* Fl Peruv — Ciescit in sylvis Andium Pcruvianensium
- 11 0 COSTULATA N ab E I o f — Folns oblongo - lanceolatis exquisite acuminatis, basi acutis, subius, ramulis noyellls pamculisque folio brevionbus a medio divisii subtilissime singilloso-scabns, costis terms — subsonis, axillis eponbus — Crescit in Guiana Bntannica
- 12 0 FASCICULATA N ob E 1 c 521 + — Foliis lanceolatis in acumen obtusum attenuatis subtiliter venulosis laevibns glabris, paniculis axillaribus terminalibusque in gemma brevi fasciculatis — Ciescit ad ripas flumims Rupunum Guianae Britanmcae
- 13 0 BENTHAMIANA N ab L 1 c f— Polygama(?) foliis oblongis breviter cuspidnus, supra glabris, subtus, petiolis, costis supra ramulisque pubescentMomentosis inollibus axillis venarum eponbus, paniculis infraterminDlibua axillanbus, folio suo florali longionbus, tnflidis patulis laxis, laxe puboscentibus, flonbus in ramulis cymosis glabris porianthn subrotall lacimls ovalis — Habitat in Mexico
- 14 0 MAROWYNENSIS Miqu Stirp Sunnamens select 201 f — Ramuhs, peiolis, inflorescentia flonbusque puipureo-fuscis, foliis elliptico - oblongis in acumen lanceolato-lineare rectum vel falcaium longum desinentibus, basi acuta vix In petiolum decurlentibus, praeter imam basin petiolumque juvenilium subpuberulum glabris chartaceis, margine subundulato- inQexis, vents costalibus quims vel senis patule ascendenlibus anastomosnntibus, thysis pamculotis axillanbus subpjinmidniis, folio brevionbus vel

subnequalibus lacinis alieirm |el suboppositis, ramulis tnflous vel umflotis , pengoniis bieviter subgloboso - campanulas* glabns, lobis ovam — Crescit in Surinam ad Huvium Mnrowvne supenorem

- 15 0 HOSTMANNIANA Miqu 1 c 202 -f — Ramulis, petioht, foil is ulnnque in nervis ac inflosconun puberulis, folus modice peulatis oblongis acuminatis, basi aculis, tenuiter chartaceis, veins costalibus quimis vel senis arcuato > ascendontibus reticulatisque racemis composius vel simplicibus oxillanbus, folio brevionbus, laxis penduhs, pengonio semigloboso intus ad basin hutello, caeterum glabro, &taroiimbus extenonbus pengomum subaequantibus, anthens filamento brevionbus, vnlvulis infenonbus oblongis majorihus — Habitat in Surinam
- 1b 0 (*Cti amojthoi a*) CARACASANA N ab 1 Linnaea XXI 522 f — Folus oblongid obiususculis, in pciolum nlatum margimbus reflexis attenuatis reticuiatis, subtus ramulisque crassis angulatis pubeseentibus, axillis venarum subtus eponbus nudisque, paniculis axillanbu^ ihyrsoideis pedunculatis strigilloso - griseis, folio brevionbus, penanthio infundibuliformi — *Hufelandta Caracasana* Kl fir Karsten — Crescit in Columbia
- 17 0 KLOTZSCHIArsA IS ab E 1 c 523 f — (Hermaphrodite) folus oblongis acuminatis reticuiatis, utrinque glabns, subtus in axillis venarum cos tali urn pulvinato- inflatis tojntentosisquc, paniculis axillaribus brevibus densis strigilloso - oanescensibus, penanthii campanulati la^iniis ovalis — Crescit in Mejico

2054 OCOTEA *Aubl*

(N. ab E Laurin p 471)

- 1 0. OOTRYOPHYLLA Kl ft Karsten mss ex N ab E Limiaea XXI 584 f — Glabta folus oblongo- lanceolatis, utrinque acuus reticulato - scrobiculatis, racemo in ramis terminati, penanthii lacinus sub fructu reflexis — Crescit in Columbia

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Ordo CLXXXV. NTSSACEAB *Juss.*

(Meian Gennr plant vascular I 326 II 239 — bndl Gener plant p 326)

I (2086) HTYSSA *Linn*

(Linn Gen pi no 116)

- 1 * N MULTIFLQRA Wang — A Gray, Manual of the bot of the N Am Unit Staates p 397 — Ton Fior of New York II 161 + tab 95

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Ordo* CLXXXVIL SANTALACEAB jt. Br

(Lndl Gener pi p 324 [ex p], Suppl f p 1378 , Suppl II 31 ft 105 , Suppl IV 11 58
- Meitn Gener pi vascul I 328 II 240 — Wlprs Annal I 680 ft 1002)

2070 HMJWSSCnAWLAMAWJM Juss

(Juss Gener plant 75)

- 1 QU BRfcVIFLORUM Pi *1 Tpioioliae botanicae p 246 f — lous flifoimibus mucronatis, calycis dentibus ovato tngulanbus acutis, corollae lacinnis oblongo-lanceolatis mucronulatis, tubo nequilongis, basi trinervus — *Q Chilense* Dei lei o — Habitat in pascuis et fruticulis ad Quilloti in Chile
- 2 QU ELEGANS Prsl I c p 246 f — Folns fliformibus elongalis mucronalo-aristatis, calycis dentibus ovato- tngulonbus inaequilibus, raajonbus acuminatis, minor#us acutis, corollae lacinus oblongo-lanceolatis mucronulatis umnerviis, tubo longionbus — Habitat in Chile

2072 TflnBSIUin Lttn

(Linn Gener pi 292 — Wlprs Annal 1 580)

- 1 TH SCHIMPERIAMJM Hochst mss in°Ach Richard, Tent flor Abyss 11 235 — Cnule frutescente a bast ramoso erecto, ramis elongalis virgatis angulatis glabns, folns alterms confertis anguste lanceolatis acutis, basi sensim angustatis, margine glanduloso-subcuhatis, utnnque glabns, llonbus oxillaubus solitaius pedicellatis vindibus sat magms, calyce tubuloso-infundibuliformi crasso, apice 5-ft do, mferne glabio, lacinus oblongis acutis valvatis, stamibus dimidiam lacimaruin partem attingentibus, stigmatate subezserto — Habitat in Abyssinia regno Tigre
- 2 TH RADICANS Hochst I c p 235 — Caulo nano bast suffi utescente ramoso, ramis glabns angulatis subglandulosis, folus lanceolato-lineanbus subsessilibus crassiusculis plants npico mucronatis, flonbus parvulis solitarus subsossilibus, ramulos lermmantibus, folus 2 — 3 subverlicillalis brevibus cinctis, calyce ovoideo - oblongo sublubuloso limbo 5 - dentato eiecto, fruclu ovoideo fere globoso, opice coronato — Habitat in Abyssinae piov Ouodgerme

t loon addenda.

TH AUREUM iaub ft Spach — Wlprs Annal I 581 no 4 - Jauh ft Spach, Illustr pi orient *ill* 151 f lab 300

2072A. HBHTSIIiOWIJL Blume*)

(Blume, Mus boi Lugd Datav 242)

Hores abortu monoici. Perigonn tubus cum ovano connatus, hmbus superus qmnquefidus, lacinus praefloratione valvatis patenlibus. Sta-

*) Neo Wall , aims genus homon^mum ad *Cmptoonmn* Bl pertmet (cf Wlprs Re-
Pert. V.675)

inina babi laciniaium inseita usque breMora, filamenla subulata, antheiae inliorsae didymae, dorso saepe barbae, locuhs divergenhbus, rima subtrunsvi saíl dehiscentjbus O\anum inferum, disro a stylo peiforalo obtectum uniloculare, ovula bina prope apicem locuh appensa anatropha, stylus brevis, stigma oblusum v sublobalum, Drupa baccata limbo peiigon coronata, putamine crustaceo v. osseb extus fasciculis librarum obvolulo monospeimo. Semen m\ersum laeviusculum v lobatum Fmbno in a|i albuminis carnosi orthotropus fusiformis, tolyledombus bievissimis, ladicula clavata supera — FruticcbArchipelagi Indici, |i6Ci spccitbus non absimile*? et codem modo supra aibores parasitice crescentes glabn ramis teretibus, jumonbus angulatis, folns alterms subsessilibus \ bie\ilcr peliolatis obovatis v spalhulalis integemmis neivosis funiib, pedunculis axillanbus breubus um- v. pauciflons, (loibus pjivis vindulis, alabastns masculis subglobosis, foemineis turbmatis ^ clavatis

- 1 II UMM LLATA Blume Mus but I ugd Bnta\ p 243 no 52? f — Folns obovato-oblonia spathulalisvo (1— 2¹/₂, poll longis VJ—IS poll latis), apice rolumhto-oblusis, pedunculis um-\el siepius ex npice uinbellnto - piuuffloris, pedicellis sub flora ebiacicolais, cliupis turbinalo - globosis — *Ilusium spalhulatum* Blume, Dijdr 646 — *^tscum umbellatum* 01 — DC Proizr IV 279 — *Tupcja umbellata* Bl Fl Jnv Lor tab 27 — In sylvis primoovis Arclwpclogi Indici
- 2 H RI TUSA Blume I t no 523 + - I olns spathulatis (1 — 1¹/₄ poll longis, V₂— y poll l)Us) ipico lotundntis \cl sacpe iciusis, pedunculis umflons sul| flore biacteo⁴ lalis diupii ellipsoidco-globosis, punraine osseo luberculato-iugoso — In Java
- 3 II PAUCIII ORA Blume I c p 244 no 524 f — Folns obovatis vel obovato-oblongis (1—2 poll longis, V«—1¹/₂ poll lalis), apico obtusis vel sacpius rotunchiis, podunculis um-\cl spicato-pauciflons, sub flore ebracteolatis, drupis subglobosis, puamine tesiacco sluato — In Java insula
- 4 II VARIANS Blume I c no 525 £ fig 43 — Folns ellipticis vel obovatis spathulatisve (1—2¹/₂ poll longis, «/4—i¹/₂» poll Inlis), apice obtusis vel rotundatis vel mterdum acutis, pedunculis unifloris, sub flore bracteolatis, drupis ellipsoidco - globosis, puamine ossoo rugoso-sulcalo
P *aatsifoha* folns crassionbus obsgleio nervosis — In Borneo
- *5 II CASSIALFOLIA Blume I c no 52b f — Folus ellipticis vel cliptico - oblongis (3—b poll longis, V/t—2¹/₂, poll latis), apico obtusis vel rotundais, pedunculis uni-vel spicito pauciflous, sub flore ebractcolalis, drupis ? — In Borneo
- (> II HI lIN\|RL>TIANA Blume I c no 527 f — Folns obovatis (1 — 3¹/₂ poll longis, 8 lin — 2¹/₂ ad 3 poll latis) apico rotundais, floribus axillaribus subsessilibus vel lapsu foliorum subtrccmObis biacteatis, drupis elongato-ovoideis, puamine teslaceo stnaio — *Jupcja Rcinwaultiana* Blume, Lor Jav t 28 — In Jaia
- 7 If SPICAI A Blumo I c ifo 528 f — Fohn^ ellipticis spathulatisve (1-2 poll longu V—1 poll htis) apico acutit vel rotundato-obtusis, spicis axillaiihus pauciflons — In Aichiplago Indico
- K II BUXIFOLIA Blumo I c no 529 f — Folns obovatis (3—8 lin longis, 3—6 lin hitis) apice loiundatis, pedunculis uni-vol ex apice pauciflons, sub floie biacleolalis diupis globosis, putamine ossco lugoso — In Archipelago Indico

2078 OSYRIS I inn

Linn Gen pi no 1101)

- I 0 AIASMNICY Ilochst m** in Ach Richard, Tenl floi Abjss II 236 — Caule lig-
^{111s1} lumoso lamis angulatis glabus, folus alternis breMtei petiolalis clbpticis, apico

acutus aut subinucronatis aut elliptico-lanceolatis, basi acutis, conacejs labns glaucis, flidibus subdioicis paivulis vindi - luteis, masculis numerosionbus, racemos ramosos axillares, folio longiores et Tormantibus, foemineis subsoliarns axillanbus breviter poditellotis majonbus, cnlycis limbo 3-pailito, Idcinns latis tnangularibus acutis, drupa oloidea coronati parce succosa — *Fusanus alternifoha* R Br — Habitat in Abvssimae montosis et locis saxosis circa Adoua

2079 SPHAEROCARYA Wall

(Wall in Rxb Flor Ind II 371)

- I &PII MOSCHIFERA Blume, Mus bot Lugd Bat 245 no 530 f — Spinescens folu> oliplicis acuminatis, supia glabns, subtus pubescenubus, pengonn limbo 5—6-fldo, diupae mice rugosa — *Iiukum* Sundaicorum — Java

(?) 4578 MASTIXIA Blume

(DC Piodr IV 275)

- 1 M CUSPIDATA Blume, Mus bot Lugd Bat pag 256 no 566 — Folus allerms brevitei petiolalis e basi acula oblongis vel lancoolnus (3—5-poll, $1\frac{1}{4}$ — $1\frac{1}{2}$ poll latis, pctiolo 4 lin longo) longiter abrupto acuminatis venosis conacois glabemmis, corjmbu ramoso, flonbus pentandns — In Sumatra
- 2 M ? HETEROPHYLLA Blume 1 c p 257 no 567 — Folus alternw bre>iuscule petiolatis, e basi acutiuscula elliptico-oblongis (5—7-poll, $2\frac{1}{4}$ — $2\frac{3}{4}$ poll latis, potiolo 5—7-lm) abrupto acuminatis vol retusis subparello venosis mombranaccis glabris, subtus in net vo medio vemsquo puberulis — In Sum a tin
- 3 M * CUNEATA Blume I c no 568 — Folus alterms brevitei peiolatis o basi cuneata oblongis v<l lanccolatis (3— $5\frac{1}{4}$ -poll, 1— $1\frac{1}{2}$ poll latis, pciolo 2—3-lin) cum acumme biovi obtuso, vonosis conaceis glabns — In sylvis montanis Javne
- 4 M TRICHOTOMA Blume — (DC I 9 no 2) — Blume I c no 569 — Folus oppositis e basi acutiuscula oblongis vel elliptico - oblongis { $\frac{1}{2}$ — $4\frac{1}{2}$ }-poll, $1\frac{1}{2}$ —2 poll latis, petiolo 6—8-lin, stirpis jumoris 6—9 poll longis, $2\frac{1}{2}$ —4 poll latis, pedolo pollicari) obtusiuscule acuminatis subconvergeati-venosis conaceis, supra glabns, sublus puberulis, corymbo tnchotomo - composito flonbus tetrandns — Habitat in insula Java
- 5 M LAXA Blume 1 c no 570 — Folus oppositis e basi acutiuscula vel obtusa ellipticis vel oblongo-ellipticis (2— $4\frac{1}{2}$ -poll, 1—2 poll latis, pciolo 7—11 lin longo) obtuse acunfnatis subconvergenti-venosis comccis glabns vel in nervo medio venisque sublus puberulis, corymbo ramoso laxo, flonbus letrandris — *Maslitia tricholomn* (ex p) Herb Blume
P *angustifolia* folus anguslionbus ($1\frac{1}{2}$ —2V<-poll, Va—1 poll latis, petiolo 4—6-lm) — in sylvis prlmaevis Javae
- 6 M ACUMINATISSIMA Blume 1 c p 258 no 571 — Folus oppositis e basi acula \cl obtusiuscula lanceolatis (3—4-poll, 1—1 Va poll la Us, petiolo 6—8-lm) subulalo acuminatissimis parnlele venosis conaceis glabns, corymbo tnchotomo ramoso laxo, flonbus tetrandris — In Sumatra
- 7 M KIMANILLA Blume 1 c no 572 — Folus oppositis e basi acutiuscula vel subrotundata ellipticis (2— $5\frac{1}{2}$ -poll, 1V<—2A poll latis, petiolo 6-11-lm) acutis costatovenosi< in axillis ^enaium subtus depiesso-glandulo^is conaceis glabns s in neno

modio venisque subius senceo - puberulis, corymbo ramoso Idxo, Oonbus tetraodris, fructibus ellipsoideis — In sylvis montans Ja\ae insuloo

- ♣ N C A" ESI A Dlume 1 c no 573 — Folus oppositis o basi acuta elliptico-oblongis lanceolate ($2\frac{1}{4}$ —5-poll, $1\frac{1}{2}$ — $2\frac{1}{2}$ poll laiis, peulo 6—11-lin) obtusiuscule acuminatus costato venosis conaceis glabns subius caesus, corjumbo ramoso laxo, flonbus tetrandns fructibus elongato-ellipsoideis — In Java occidentali
- 9 M ROSTRATA Blumo I c no 574 — Folus suboppositis lanceolaiis ($2\frac{1}{2}$ — $3\frac{1}{2}$ -poll V«—I/i poll laiis pctiolo 6—10-lin) longe abrupte acuminatis divergenti-venulosis aubcoriacoisglibus, in norvo medio subtus pube sericea appressa, coiymbo subramoso laxo paucifloro, flonbus teirndns fructibus elongato - ovoideis — In sylvis Javae occidentals

Ordo CLXXXVIII. ANTHOBOLEAE *Dumrt*

(Moisn Goner plant vascu) I 319 II 240 — Endl Gener pi p 328 — Wlprs Annal I 581)

2088 EXOCARPUS *Labill*

(labillord Voy I 115 lab 14 - Wlpis Annal I -581)

- 1 E OVATUS Dlume, Mus bot Lugd Dntav p 181 no 413 f flg 36 — Caule fruticoso, folus petiolnii9 ovalis ocutis vel oblusis nervosis, spicis breviasime podunculalu axillanbus — *Saicocalyx mimatus* Zipp — In Nova Guinea

CXCII. PENAEACEAE *Knth*

(Knth Lmnaea V 676 — Endl Gener plant p 334, Suppl IV II jk, 72 — Neisn Gener plant vascul I 329 II i.i\ — Adr Jussieu, Annales des sciences mufirelles [3 Ser] VI 21)

Calyx lubulosus, limbo quadnlobo, lobis aculis in praefloratione valvatis v reduplicatis Stamina tohdem cum lobis alternantia summo tubo inserta, filamentis bre\ibus crassis, anthens biloculanbus, loculis basi et faciei internae connectivi carnosi dilatati elongatique adnatis, longitiorum dehiscentibus Pollen ovoideum 6—8-sulcum Ovanum libeium quadnloculaie, loculis cum staminibus alternantibus, ovuhs m quo\is loculo saepius binis collateialibus ex anguh interni basi ascendentibus, rauu^ quaternis angulo mterno circa medium insertis, duobus supenonbus ascendentibus, duobus inferioribus pendulis Styli quatuor in unum coalih teiminalem simplicem ant apice quadnfidum, singw''

stigmatibus terminate stigmatibus in unum plus minus manifesto 4-lobum confluentibus, demum solubiles cum loculis alternates. Capsula intra calycem persistentem recondita quadrisulca loculicide quadrivalvis. Semina in loculis bina, quaedam interdum abortiva, ascendente ovata, integumento duplici, externo testaceo minute scrobiculato, interno membranaceo, funiculo brevissimo ad hilum basilarem incrassato carunculaeformi, rraphe lineari discolori extrorsa. Embryo absque perispermio ovato-conoideus, radícula maxima infera, cotyledonibus minutissimis sub forma duplicis labioli, chafazam superam spectantibus. — Suffrutices Capenses sempervirentes: ramis junioribus tetragonis; foliis oppositis decussatis et saepius imbricatis inlegerrimis, planis v. rarius acerosis et ericoideis coriaceis, minutissime stipulalis. Flores axillares solitarii v. cymulosi, saepe ad summa folia in bracteas transeuntia eMde quasi in spicas terminales confertas dispositi, pedunculo brevissimo insidentes, bracteolas gerenti duas laterales v. plures geminatim decussatas squamelloideas, interdum setiformes tantum v. etiam plane evanidas, flavi v. sanguineo-rubentes.

I. PEWAEA Linn.

(Linn. Gener. pi. no. 138. [ex p.] — Adr. Juss. Ann. sc. natur. [3. Ser.] Vi. «. lao. 1. ng. I.)

Calycis tubus vix limbo longior. Praefloratio valvata. Filamenta brevissima, antherae loculi connativo multo breviores, margine valvarum fimbriis crebris ciliato. Ovarium laeve, loculis bivulvatis. Stigmata quatuor complanata cruciata, singula secus stylum inde tetrapterum in vittam membranaceam decurrentia. — Suffrutices: foliis planis, summis in bracteas abbreviatis et coloratis; flonbus inde in glomerulos paucifloros terminales congestis. ,

1. *P. MUCRONATA Linn. — Vent. Malm. 87. — Meerburg, Icon. 51. — Adr. Juss. 1. c. taja. 1. flg. t
2. ' P. DREGEI Endl. Gen. pi. Suppl. IV. II. p. 73. — Species indescrpta. (Drege, Herb. no. 8160.)
3. * P. AFFINIS Endl. 1. c. — Species indescrpta. (Drege, Herb. 8159.)
4. * P. OVATA Eckl. ft Zeyb. mss. ex Adr. Juss. 1. e. p. 22. — Species indescrpta.
5. * P. INTERMEDIA Eckl. ft Zeyh. mss. ex Endl. 1. c. — Species indescrpta.
6. *P. MYRTOIDES Linn. — P. *Cneorum* Meerb. Icon. 51. — ¹ P. *myrtilloide* B Thnbg.
7. *P. MYRTIFOLIA Endl. 1. c. — (Drege Herb. no. 8155.) — Species indescrpta.
8. P. ACUTIFOLIA Adr. Juss. 1. c. f — Foliis lineari-lanceolatis acutissimis, utrinque ad basin 3—4-setuliferis. — Rami jnniores acute tetragonl, demum teretes, folia Jin. 3 — 6 longa, 1—2 lin. la la, nervo medio subtus prominente, setulis 3—4 utrinque ad insertionem pro stipulis instructa; flores ad summa folia axillares solitarii, Us subaequalee, pedunculo brevissimo sub flore bibracteolato, bracteolis lateralibus fiore triplo brevioribus lineari-lanceolatis. Calycis tubus subcylindricus, lacniis limbi triplo longior, antherae laciniis viz breviores, connectivo subquadrato flammemum breve terminante. — P.^o *myrtilloides* Herb. Berolin. — In Promontorio bonae spei.

:?:

t ftpeclea exelusae.

P. ACUTA Thnbg. = BRACHYSIPHON ACUTUS Adr. Juss.

P. BARBATA Endl. = STYLAPTERUS BARBATUS Adr. Juss.

P. ERIGOIDES Endl. = STYLAPTERUS ERIGOIDES Adr. Juss.

P. FORMOSA Thnbg. = SARCOCOLLA FORMOSA Adr. Juss.

- I» I RUTICUI OSA Linn = STMAPTERUS FRUTICUI OSUS Adr Juss
 l> (UrVTAIchm = BR YCIYSIPHON IMBRICATUS Adr Juss
 P IMDRICATA Giah = BRAt IYSIPHON IMBRILATUS Adi Juss
 P LATI RIFLORA Thnbrg = ENDONI MA THUNBERGII Adi Juss
 P MARGINATA Linn = GLISSOLOMA MARGINATUM Adi Juss
 P SARCOCOI A I = SRGOLOI I A LINNAEI Adr Juss
 P SQUAMOSV Aucioi BR VCIYSIPHON IMBRICATUS Adi Juss
 P TETRAGONA Bcig — bVIUOCOLLA LINNAEI Adi Juss
 P TOMI \TOSY TJinliig = GLISSOLOMA TOMLNTOSUM Wipis

If STYLIPTERUS *Adi Juss*

(Adi Juss Ann sc naturiles [3 Soi] VI 23 tab 1 (Ig 2 - *Penacae* sect 2 *Stylap-taws* Endl Gen phnt Suppl IV II p 73)

Calycis tubus limbo paulo longior, praefloratio valvata Filamenta brevissima antherae loculi connectivo multo breviores bivalves, margine valvarum fimbriae crebrae ciliatae Ovanum ^{cr} ^{uc} crebrae scabrum, loculis biomilatis Stigmata quatuor complanata cruciata Stylus tetragonus — suffrutices folia planis v. acciis-encoides, florus in & lomerulos paucifloros terminales confertis vel axillaribus solitaneis

1 »ST FRUTICULOSUS *Ath Juss* I c 23 tab 1 fig 2 — *Penaea fruticulosa* Linn

i ST BARBATUS *Adr Juss* I c 23 — Caule ad axillas dense barbato, folia acerosa subtus canaliculata, florus solitarii axillaribus — *Penaea barbata* Jndl I c — Ramuli juniores letiagoni, angulis serius hebetatis teretibus Folia acerosa 9—4 lin longa, supra plana, subtus canaliculata ad axillas utrinque poncillum pilorum longum densumque (pro stipulis) proferentia, caule inde interrupte barbato Flores ad summum folia axillares usque subaequales solitarii, pedicello brevissimo setulis 4 brevibus coronato (calycis tubus subinflatus lacinus paulo longior, stylus bievus tetragonus, cujus anguli e stigmatibus decurrunt cum totidem angulis ovarii veiruculosi alleinames — In Promontono bonae spei habitat

J ST LRICOIDES *Adi Juss* 1 c — Gaule glabro, folia acerosa, subtus canaliculata, florus solitarii axillaribus — *Penaea ertcoides* Endl 1 c — Ramuli juniores letragoni, angulis serius hebetatis 8c evandis subteretes Folia acerosa 3 lin longa, supra plana, subtus nervo medio alte impresso marginibusque utrinque inflata canaliculata Pro stipulis selulae nonnullae bievae fasciculatae ad folii insertionem angulosque ex ipsa decurrentes Flores ad axillas foliorum summorum solitarii pedicello brevissimo insidentes, utrinque in pulvulum fuscensens cicatriciforme (bractearum rudimenta) extenso, setulis brevissimis nonnullis introrsum marginatum Calycis tubus 2 lin IOD-gus, 8-cosatus verrucosus - lucidus, lacini brevibus angustis acutis Stylus brevis tetragonus, cujus anguli e stigmatibus decurrunt cum totidem angulis ovarii glabriusculi alleinames, apice quadrifidus — In Promontono bonae spei

III BRACHYSIPHOST *Adr Juss*

(*Adr Juss* Ann sc natur [3 Sc*r] VI 24 tab 2 fig 1)

Calycis tubus limbo vix longior, praefloratio valvata v. saepius ieduplicata - valvata Filamenta brevissima, antherae loculi connectivo

mullo" hieiores bivalves, margine integro. Ovarium laeve, loculis bio-
\ulatis. Stylus gracilis teres, stigma parvum. — Suffrutices: foliis
planis v. ericoideo-acicularibus; floribus in glomerulos paucifloros ter-
minales conferlis vel solitariis axillaribus.

1. OH. EKICAEFOLIUS A dr. Juss. I. c. 24. — Foliis acicularibus; floribus axillaribus so-
litariis. — Rami glabri, angulis o foliis docmreniibus tetragoni. Folia acicularia semi-
pollicem longa acutissima, stipulae minutissimae mucronuliformes. Flores ad summa
folia axillares brevissimo pedicellari, pedicello ulrinque in pulvinulum setuliferum (bra-
ctenrum rudimentu?) inflato, 4 lin. longi. Tubus calycis oblongo-ovalis, lacinae ere-
clae acutae planae. Antherae sessiles. Stylus filiformis subexsertus. Stigma cru-
ciaio-quadrilobum. Ovarium oblongum quadricoslatum glaberrimum. — Habitat in Pro-
montorio bonae spei.
2. * BR. IMBRICATUS Adr. Juss. I. c. 25. tab. 2. Og. 1. — *Penaea imbricata* Grab, in
Curtis, Dolan. Magaz. tab. 2809. — *Penaea squamosa* Auctor. — *Penaea fucata*
Lehm. mss.
3. * BR. AGUTUS Adr. Juss. I. c. 25. — *Penaea acula* Thnberg.
4. BR. RUPESTRIS Sonder, Linnaea XXIII. 102. f. — Ramis glabris; foliis brevissime pe-
tiolatis planis obovatis carnosissimis glabris; floribus terminalibus peduncululis umbellato-
congestis; bracteis obovatis foliaceis subcoloratis*, perigonii laciniis tubo oblongo sub-
duplo brevioribus late ovatis aculis; filamentis brevissimis antheras subaequantibus;
stylo filiformi. — *Sarcocolla rupestris* Eckl. et Zeyher. mss. — In Promontorio bonae
spei.
5. BR. MUNDII Sonder I. c. 102. f. — Ramis glabris; foliis (parvis) petiolatis ovatis mil-
licronulatis crassis, supra planis, subtus cuneatis glabris; floribus terminalibus pe-
duncululis subsolitariis; bracteis foliaceis subcoloratis; perigonii laciniis tubo oblongo
triplo brevioribus late ovatis aculis; filamentis brevissimis antheras subaequantibus;
stylo filiformi. — In Promontorio bonae spei (Zwellendam).
6. BR. SPECIOSUS Sonder I. c. 103. + — Ramis glabris; foliis dense imbricatis obovato-
cuneatis rotundato-obtusis, mucrone callosissimo subrecurvo terminali, margine cartila-
gineo denticulatis; capitulo multifloro; bracteis coloratis fimbriatis; perigonii laciniis
acutis tubo duplo brevioribus; antheris sessilibus; stylo filiformi. — *Sarcocolla
spectosa* Eckl. et Zeyher. mss. — In Promontorio bonae spei.

IV. SARCOCOLLIA Kntk.

(Knth. Linnaeo V. 678. [ex p.] — Adr. Juss. Ann. sc. natur. [3. Ser.] VI. 5. lab. 2. fig. *)

Calycis tubus oblongus, limbi multo brevioris praefloratio reduplicato-
valvata. Filamenta fere antheras aequantia, quarum loculi connecti vo
subaequales bivalves, margine integro. Ovarium laeve oblongum, locu-
lis 2—4-ovulatis. Stylus gracilis oblongus teres, stigma quadrilobum
capitato terminatus. — Suffrutices: foliis planis, supremis in bracteis
coloratis ampliatissimis, saepe resinifluis; floribus terminalibus solitariis v.
paucis congestis.

% 1. *Eusarcocollia* Endl. Gen. plant. Suppl. IV. II. p. 73. — Ovarii loculi
biovulati. Stipulae verrucaeformes atratae.

1. 'S. FORMOSA Adr. Juss. I. c. 25. — *Penaea formosa* Thnberg.
2. * s. LINNAEI Adr. Juss. I. c. tab. 2. fig. 2. — *Penaea Sarcocolla* L. — *P. squamotta*
Linn. — Bot. Regist. lab. 106. — *Penaea tetragona* Berg (?) — *Penaea fucata* Linn. (?)

Itniu i I njfUiu Mc(il) k 51 Suicoi ilia jumlu tndl ijtn || &ujj>l IS II
 † 71 — *Oiuncs Inijus b'ciui>> loittst ul hanc sptciom icfcicndu*

§ 2 <lwht>n>lh(1 ndl I t p 74 — *Ovam lomli quad)io\ul ill*
 Mijutu mucionifoimcs

† S 11 SSMITIANA Adl luss F i 26 — folns imbnctis ovatis marginals Mipiemis
 itijonbus COIOQU"*; nec ^luimosi pcilunculis dicholomis — Itmi dicioloim, angu-
 lis ciislQLfoinihus Il) msirlione folionun decunentibus icingom laeves Folia de-
 t ussila mlci noilus sesqmlincam longis, imbnctata ovati (1^A poll longa, V*—7a poll
 hta) sessiln, ncivo medio supra impresso subtus pronuncule, marginal! couacoti
 siipriorn irnjoia tenuion coloiati (nee glutinosa?) btipulac nunuiissimae cum an-
 gulis nun decurrentibus continuac Pedunculi termmtlos bicves dichotomi biacteos
 dnnbut coloritis oblongis angustis Mtlaefoimibus ad dichotomias ct paululum infra
 llorun quemlilict insti ucti Flores pollicaics lubo tosus quaiuor prominentibus no-
 mo linear 9—10 longo, limbo quadnildo piacflonlione leduplicativa quasi quadnalaio,
 heinus onlis cum cosiiis tubi allemantibus Filamenta ciassa brevia, oniherae cor-
 dno-ovalao, loculis oblongis, connectivo veiiuculoso subaequalibus eidemquo inroi-
 sum adnius Ovanum oblongum opico sensnn altcnualum in stylum flifoimcm sta-
 mina vix supontucin, siigmaic obsolete quodnlobo lenninalum, quadnlocaic, loculis
 oblonffis bingulis enen medium tx ingulo mtcino 4-ovuligens, ovulis gcmmtis col-
 lheranibus, duobus supenoiibus ascendentibus, duobus infenonbus pendulis rlnplic
 in omnibus cxlrorsa — Habitat in Promontono bonao spei

† ~~Specie~~ exdusae.

S HI I/OIDES Lckl ft Zcjh = LINDUNCMA IILTZIOIDES bonder
 s KU>j STRIS Fckl ft /cyli = BIUCIHSIPHON RUPLSTIHS Sondei
 s SPI < IOSA Ctkl a Zcyh = UnArilYSIPIIUN SPECIOSUS Sondei

V ENDONEMA *Adr Juss*

(*Adr Juss Ann sc natur [3 Scr] VI 2b tab 3*)

(alycis lubus vahatus (?), limbi mullo LreMons piacfloratio valvata
 Ijhmtnla bicua, pnmum picala, in anthesi erccta ct facioi anticae
 inlhca(affi\ a, loculi conneccho vi\ breviores, margino integro Ova-
 ium Iie\c, loculis quadrioviihtis Stvlus oblongus giacilis teres, stigma
 paMum quadnlobum *) — tiutices folns plani<? imbnctijs, flonbus
 solitarius axillanbus

1 I flIUNDF RGII *Adr Juss 1 c 27 tab 3* — *Pcnaea lalerxflora* Thnbrg Magaz Berlin
 mtuil Fiounde I lab 3 fig 2 — In Piomonlouo bonae spei

> I RI r/OIDrs Sondei, Lmnici XXIII 103 f — *Rimulis tetragoms folusq^e snssili-*
bus lincanbus, marginc levoluus glabus, flonbus solilams axiUfpibus podunculalis,
bracuis 4 imcqualibus, inlcuoubus mnjoubus liuncitis, extenoriSus acutis, peigoun
lacinus lubo 4 plo bicvionbus, flamenlis mllicns duplo superantibus, stylo fliforinn
 — *Snrrocolla id ionic** Ickl ft. /o\h — In Promoniono bonae spei

) In hoc (i in pnocodento guicie stvlin ab ouctore oblongm diciiur quem fliformem
 I(M (lopixi

f *Genus anomalum.*VI. GEIGSOEIOHIA *Lindl.*

(Lidvl. mss. ex Kntli. in *Linnaea* V. 678. — *Adr. Juss. Ann. sc. natur.* [3. Sei¹.] VI. 27. tab. 4.)

Calyx quadripartitus, bracteis squampsis bifariam imbricatis ipbique oppositis slipalus, praeffloratio convoiuliva. Stamina 8 imo calyci inserla, quatuor cum ipso alternant[^], oppositis paullo breviora, filamentis longiusculis nec lamem calycem aequantibus, antheris introrsis versatilibus bivalvibus, connectivo vix manifesto. Ovarium quadrilobum quadriloculare, ovulis in quovis loculo binis collateralibus ad apicem pendulis. Styli 4 e summo apice loculorum orli in unum pyramidato-oblongum (in icone simpliciter pyramidato-acuminatum nec oblongum depictum), in stigma aculum desinens coadunati, facile solubiles, demum a basi bifissiles. Capsula conflata e carpellis quatuor axi comnrami et lateralibus inter se coalitis, ad apicem altenualis et dislinclis, sutura dorsali dehiscenclibus, endocarpio ligneo inirorsum indebiscenle et apice perluso. Semina ovata laevia lucida, ex apice pendula.— Frutex: foliis planis; floribus axillaribus solitariis.

1. *G. MARGINATUM *Adr. Juss. J.* c. 27. tab. 4. — *Pcnaca marginala* L
2. 'G. TTOMENTOSUM *Wlprs. mss.* — *Pcnaca lomentosa* *Thnbrg. Mngaz. naluiT Ficundn* Berl. I. tub. 3. fig. 3. floribus lubulosis differt forinssequo proprii genoiis typus.

Ordo CXCIV. DAPHNOIDEAE *vent.*

(*Endl. Gener. plant*, p. 329, *Suppl. IV. II. 59.* — *Wlprs. Annal. I. 582.* ~ *Thymeluvut: Juss.* — *Meisn. Gcner. pi. vascul. I. 330. II. 242. 368.*)

Tribus 1. *PIMELINAE* *Endl. 1. c.* — Slamina perigouii laciniis pauciora.

2092. PIMJBIiEA *Bnks. <y Soland.*

(*Endl. Gcner. plwtMfrppl. IV. II. p. 60.* [*Synops. specier.*] — *Wlprs. Annal. I. 58J.*)

1. P. MODESTA *Meton. in Lehm. Plant. Proiss. II. 268. f* — Foliis oppositis sessilibus lanceolatis obtusiusculis, internodio longioribus, subvenosis ramulisque glaberrimis[^] involucralibus capitulo terminali pedunculato multifloro demum dimidio brevioribus, herbaceis Inte ovalis acutiusculis subenerviis glabris; calyco gracili inarliculnlo, tubo modio viloso, supra infraque pube rariore ot brevioris pilosiusculo, limbi tubo iriplo brevioris lobis/tblongb acutiusculis genitalia subsuperantibus. — In *Nova Hollandia* ad fl. Cygnorum.

lilamenus e fauce oxseitis — *Pimelea Schlechtendaltana* Meisn in Schlichtd Bot Zeitung VI 394 f — Grescil in Nova Hollandia australi

JL FLAVA Endl I c 61 no 15 — Meisn in Schlichtd Bot Zeitung VI 395 f (Diagn tmcndat) — Ramis gracilibus iterato-dichotomis glabns jumonbus ndproso pub(nilis dtmse foliosis, foil is opposius sessilibus couaceis ovnlibus suboibiculatisqiu obtusis vel subicuiis planis immarginatis umnemis subavenus glabernmis, internodio longionbus (subunguicularibus) semipatulis (exsiccatione coeiualescentibus), involucre libus-confoimibus paulo mnjonbns cipitulum 10—20-floium pnun superantilms, re teptaculo sessili >el subsessili hemisphaenco tomentoso, calj.cc cnno-senceo conti nuof, limbi lobis ovalibus oblusis tubum dimidium acquanubus gentalibus submclubis (e tubo breviter vel vix prominulis) — *Pimelea dicholoma* Schlichtd — *Pimelea (lava* R Br — Crescit in Nova Hollandia lusrali et ins Diemen

p *diosmaefoha* foliis ovalibus minonbus (2½—3 Jin longis, l'A—2 1m)ati> involucralibus lauonbus sed vix longionbus — *Pimelea diosmaefoha* Schlichtd — Crescit in solo calcaico-arenoso Deihamae in Nova Hollandia occidental!

- 3 G SULPHURCA Wlprs mss — Ramis gracilibus subsimplicibu? vel apice corymboso-vel fastigialo-ramosis tamulisque glabernmis, foliis oppositis sessilibus comceis ovalibus suborbitulatisque, obtusis vel neutiusculis plants immarginatis unineiviis avcnns glaucescenli-vuidibus (haud coeruleascentibus) glabernmis internodio longionbus feubunguicularibus) semipatenlibus mvolucralibus confoimibus vix mnjonbus, capituluoi muluforum subaequantibus, calyce senceo-piloso, demum tenuiter pubescente, tubo cylindnco orticululo, limbi lobis ovalibus obtusis 2—3-plo longiore, filamentis styloquut longe exserus limbum subaequantibus — *P flava* Meisn in Lehm Plant Preiss I 605 (nee R B r) - *Pimelea sulphured* Meisn in Schlichtd Bot Zeitung VI 396 + — In Nova Hollandia occidentnli
- 9 C ? TRICHOSTACHYA Wlprs mss — Annuu foliis allerms- lineanbus, pilis pauci^ adpressis, spicis laxis terminalibus villosissimis — *Pimelea tnychostachya* Lindl in Mitchell, Journ of tropic Austral pag 355 adn — Crescit in Australia onentali tropica

Tnbus II *THYMELINAE* Endl. gen pi. Suppl IV. II. p 61 —
Stamina pengonu laciniis numero aequalia vel dupla

2102 OITIBIA Linn

(Endl Gener plant Suppl IV II p 61 [Gonspect specier])

- 1 ON INVOLUCRATA Steud mss in A Richard Tent flor Abyssm n 234 — Caule fiulicoso bipedali ramoso, ramis terelibus glabns, foliis alterms, anguste lanceolate acutis, basi/brevissime petiolalis pallide vindibus subglaucis, margine miegiis glabns capitulis teimmalibus pauciflons involucralis, involucri foliolis saepius 5 ovalibus aut obovalibus oblusis glabns, flonbus 10—12 m\olucro longionbus, pilis longis albi> intermixtis, calyce tubuloso gracili valde sericeo, limbo quadnpartito patente, lacinu* oblongis angustis subobtusis, glandulis exserlis bifldis — Habitat in Abyssinia saxo sis provmciae Chirè^s

2102½ DICRAXOIiEPIS Planchon,

(Wlpris Annal I 588)

- ^ D DISTICHA Planchon - Wlpris I*c no 1 - Hook Niger Flora 497 f tab 4b

2106/7. DAPHNE *Lmn*

(I mil dcuci plain Suppl IV II p G7 [Nynop* specier] — Wlpis Amial I 582)

- f *b* (*I am cola*) ANGUSTIFOUA (Koch, Linnaea. XXII 611 f— *Fiulox ramosus la miilis*» numeiosia olongatis glabernmus folia linean-oblonga acuta, in pcuolum bit vibsimum Qitcnuata, polliccm longa et ultra, subtus glaucescentio, ramoium suprenia squamaoformia scucti, flores teiminalcs aggrogoti sessilcs, peiigonium oblongum llrmdo- tincieum lacinns ovatis rellexis, nux (bncca siccissima) a pengomo inclusi pilis jlbis atcumbentibus dense tecta pynformis — Croscit in Asia minore, in di stuttii Nighdshenan
- i *b* SOPHIA Klnczk Bulletin dc la soc imp d natur dt Moscou XXII pag 311 (Pars I) tib 3 *f* — Floijbu* iciininalibus umbellalo-capilulalis bracieatis subscsilibus numciosis, tubo pengonn cylindnco, pilis minuti9 albidis ereclis adperso, lacinus ovalo-acutis glabns, lubo tnplo brevioubus, capitulo umbellulnto basi bracleato , Ji jctcis gemmateis ovato-acuussiims concavis leticulaio-vtnosis, lubum dimidio subatqunnlibus flavo - vnidcscentibus persistentibus, loins glabi'is supra laete vindibus submiidis, sublus icticulato-venosis glaucis, deciduis oblongo-obovatis, basi cuneato-otlonuius subobiusis, broviti mucronatis, bacca mntura succosa pedicellala ovaloglobosa subacutn rubro-mminta monospcinin, semen ovato - aculum, apice curvotum fuscscens — Habitat in moniosis calcarcis Gubernii Kurskensis et Gharkoviensis
- { M) CAUCASIGV Pall — Lndl Gen plant Suppl IV. II p 68 no 9
- f) *cognula* C Koch, Linnaca XXII 611 — Flores numerost in apice lamoium loiininalos — In Grusia
- > ' D PONTICA I inn — fendl 1 c no 11
- p. Szowitm G Koth 1 c — Flores distaniiores gemini, ut folia floralia pedunculo duplo tuplovo breviores — Imcievia
- 1 U (*Daphnantht* <t) GLOMLHATA Lam — M Dich Fl Tauric Caucas I 299 — C Koch I c 612 — Reports caules crecti dodrantalet flt ultra gfabernmi simplicissimi, folia bpathulato-elliptica glabeinma (in sicco slatu) lovitcr dccidua, flores numerosi lermimles demum Integrales quim, podunculo communi acqulongo insidenlos 8c bracleis bims fulu, perigonn tubus lacinns lanceolatis duplo longioi
- P *mvalw* rcpena aut crecta lamosa rami aut caules secundaru nudi sed cicatncibus dense obsiu, ex apice dasyphylli, saepo ramo uno alterovo mstructi abbiaviato , folia elliptica, ad basin magis attenuata glabernma deciescnda, floras subterni pedunculo brevi in&identes et biacleis duabus fulu axillarcis, pengomum cylindncum, lobis 4 ellipticis, tubo plus duplo brevioubus — Habitat in montibus Ponlicis.
- b 1) IMLRICA C Koch 1 c 613 f — Dodrantalcs erecta aut ascondens, parce ramosa, nmis patcntibu!*, glabeinma folia spnthulata aut elliptica corucea, basi attenuata, flores iciminalcs solitam aul (inferorcis) icrni subsessilcs, capitulum referentes, bracieas htc oblongas paululura supcrantes, pengonu tubus lacinns ovato - lanceolatis duplo longior — Habitat in Iinena ad Radscham

t Icon Addenda.

- 1) MLZTRLUM Linn — Endl I c no 1 - Van Houlte, Floro des seircs VI 187 tab 1392 (Var *Mi is* atiopurpurcis)

2106/10 IiAGETTA *Jim.*

Ludl Genor pi SuppK IV ^ p. 69)

- 1 L LINILAIILA I mi Illusii gen tab 289 - Lndl I c no 1 - Hook Bol **Magad** i\b 4502 - Lindl.a Puxlon, Flow gaid I 41 flg 24

Ordo CXCIV. PROTEACEAE R. B.

(I lull Genei plant p 33b, Suppl I p 1379, II p 361, HI p 65, IV II p 74 — MUMI
Gen pi viscul f 331 H 243 369 — Wlpis Anml F 589)

Subordo 1. *STITCAMUJXTTJICXiAJE* Endl. C*en. pi. p. 336,

(Frucius indehiscens)

2121 *PETROPHILA* It. Bu

(Endl Gen pi Suppl IV II p 75 [Synops specier])

I P SHUTTLE WORTH I AN A Moiss in Lehm Plant Preiss II 246 f — Foliis plams
nervoso - stnatis tnfldis lamisque ghbris, segmenlis divancatis lanceolatis decurrenti
bus, mucronoto-ncuminaiis, peliolo cuneato suboequolibus, laterolibus inaequidiiter In
fldis simplicibusvo, terminali subbreuiore in fid o, lacinus indivjsis, intermedia bicviore,
sirobilis trmmalibus, breve pedunculaiis oblongis c\lindncis, squamis ovaus acuti*
senceis, calycis glabn lacinus acutis, nucibus ovaio-lenliculanbus, utnnqc comosis
— In Nova Hollandia ad fl C\gnoium

^ P COLOR AT A Meiss in Lehm I c 246 f - Foliis biternatis ramulisquo gla-
bcirimis, segmentis petjolo aequalibus vel saepius longionbus, lacinus lineanbus
pungenu-aculis, capiulis axillanbus sessilibus ovalis, squamis (sangumeis) acummalis,
vix rigidis glabns, inferne ciliatis, flonbus senceis, st\lo inferne puberulo, stigmatē
glabro articulato, e basi turbinatn crassiuscula sulfito subulato-altenuato, articulis aub-
aequilongis. — In Nova Hollandia ad fl Cygnorum

2122. *ISOPOOBT* R. Br.

(Endl Gen pi Suppl IV II p 76 [Synops. specier] — Wlprs Annal I 589)

¹ * I ATTENUATES R Br — Endl 1 c no 100 — Hook Botr Mag tab 4372

2124. *IEUCOSPEHIIUM* R. Br

(Endl Gen. pL Suppl. IV II p 76 [Synops specier])

¹ L* ROCHETIANUM A Richard, Tent flor Abyss II 232 — Arboreum Coins alteims
ellipticis acutis, basi sensim attenuatis et brevitor peuoFatis conaceis integne, utnnqc
glabris, 5—6 uncias longis, vix 2 uncias latis, capitulo teiminali elongato denso tereii
^ — 4 uncias longo, unain unciam crasso, involucro caduco, flonbus sessilibus con-
fertis, calyce tubuloso, sepalis omnibus apice (introrsum anthenfero) libens caeterum
¹¹bus inter se connatis, uno tantum libeio externe scripispis, anthons oblongs i\mp

inuci onaiio •• npiculatis, loculis inlrer^is ptiallelis angustia, ovano scssili globoso ilo
 BILSO soinco et pihs longis scricois pei sistrniibus cinrto st\lo subulato — Ihibitio
 in Alnssima id radices montis Li Malmou

2125/, > OROTHAKtSriTS *Pappo*

(Pippe mss ex Hook Dot Nag tab 4357;

Involucium mm ci sale membranaceum pohphyllum corollaceum calico-,
 (pcugonia) et stigmata superans Receptaculum commune planum
 palcis fiJifoimibus teclum Calyx (perfgonium) corollinus distincte qua
 dripailitus regulans, laGinns staminifens basi coalilis. Stylus subulato
 fihformis, stigmatate anguslato cylindraco deciduo Nuxsessilis ven-
 tncosa, immatura tenuissime puberula . f — Frutex Capen<us
 ((,—8-pedahs) erectus lamis purpurascenlibus villosfc, folns alternis
 lamealibus sessilibus imbncatis numerosis ellipticis interns membrana-
 naceis, exlus convexis, intus (supra) concavis obsolete venobis pellucido-
 punctatis glabns purpureo-margmatis (1 — 1 y_a - pollicanbus), acumine co-
 lorato reflexo teiminalis, capituh ad apices ramorum sohtarns, binis
 termsve nulanLibus braceatis, mvolucn foil is Labi dislmclis petaloideis
 loseis, cxlciiionbus majonbus oblongo-obovatis obtusis, intus glabns,
 txtus maigineque villosis inlenonbus acuminatis villosissimis, bracteis
 folns non dissimilibus mibucatis oblongo-lanceolalis intus glabns, extu*
 margineque villosis, calycis lacinns ullosis apice baibatis, stylo parum
 inewonbus "tylo deciduo filiformi ^labro, stigmatate apiculato glabro

- 1 *O /I YIIIFRI Poppe mss ex Hook 1 c f -)m Hoiitte Hoie des serres IV n>
 33b —Habitat in Promomoiio bonae spci

2132 COIYOSPER1HJM *Sm*

Endl Gnoi plant Suppl IV II p 80 [Synops specier] — Wlpis Annal f 590 y

- 1 G SPUACFLATUM Hook in Mit^liell, Journal of tropical Australia p 342 adnot f —
 Folns Imennbus subhlciiis sp acelato-apiculatis moJliler incano-pubescentibus, inferDe
 longe attenualis uninervus, pimculis pedunculatis cor^mbosis, flonbus brncteisqu<
 sencois — Cie&ui in Au^tnlia onennh tiopita
- i C DROWNII Meisn in I dim Phnt Preiss II 248 f— Glabernnum caule fruticoso
 infernc confciic folioso supernc simphcissimo apb^llo, folns sessilibus lanceolate
 teutis cuneato-attenuatis plants subglaucis venosis, subirmervus, nervis lateralibu*
 margmi approximate oinescentibus, capitulis pauciflons, m racemum termmalem
 brevem congestis, bncteis ovatis ncuinatis (coeruleis) flore brevionbus, ca YP*
 glabn limbo lubuin subaequante — In ^va Hollandia aq fl Cygnorum
- 3 C MARGINATUM Meisn I c f - Caule gracillimo tereti glabro, a basi ramoso, al:
 apicem usque spaise folioso, folns longe petiolatis lanceolatis planis, callo cqi*
 aculo apiculatis glabeinmis uninervus venosis raarginatis, capituh ramos terminanti-
 bus, racemosis |e| sohtarns, bracteis ovatis acutis, calycis tubum aequantibus pedun-
 cuhsque puberuh, calvcis glabn limbo tubum angustum superante — In Nova Hoi'
 lndia ad fl Cygnorum
- 4 C LUPULINUM Endl mss ex Meisn I c 249 + — Folns longe hncaii-spnt^{nulall}
 (polhcem longis, lineam latis) abruptim sphacelato-mucronatis, integer!imis glabern*
 mis uninervnsiigidio, jumonbus in vetustomm axilhs fasciculatis, peduncuhs r*ai*>^{ulo}

ixilhes bievisimus tcimiinnlibus flongaiis (pedalibus), pedicellis lacemoso-coijm
 bosis smctis, npice monosiathjjs, spica (pollican) c\lindnca lupulina, bracleis set
 IIOSIS rigid is imbncatis, floie multo longionbus, pcugomi hbio antico tripanuo, po-
 sh co emarginato scmilunnn — In INo\ Hollandia id fl Ctgnorum

- » C POLYCI PHALUM Meisn I c f — fiule clongaio bisi folioso senceo, superne
 suhapylo pimculalo - ramoso glabro, folns lereti - fliformibus clongms lacvibus gla-
 bus, pimculae amplac ramis patentibus, braclea subuhia subfoliacei suffulus, mfe-
 noribus laccmoso-pleioccephalis, capilulis hemisphaericis inuliiflori? bracleis late
 obovatis cuspidnlis, floro dimidio brevionbus rhachique puberulis calycis glabn
 limbo tubum angustum supcranie profunde bilabiato — In Nova Hollandia ad fl
 C>gnorum

- b c CANALICULATUM Meisn I c 250 f — Caule fruiicoso subsunplici glabro, laxius-
 cule folioso, folus longissimis semueietibus glabns, supra canaliculatis laevibus
 dorso convexo subslnalo-iugulosis callo terminali comco aculiusculo spbacelato sub-
 iccurvo, pedunculis lerminalibus el e summis axillis elongniis aphyllis, supia medium
 Janatis a racemoso-pohstaclijs, spicis podunculaiis hxiusculis, bracteis late obo-
 "vatis floie subtnplo brevionbus, lanalis, cuspede brevi glabra, calycis lannii lobis
 hrcvibus apice glabns — In Nova Hollandia ad fl fygnorum *

Subordo II. *WOMdJLICVMdAMUS* Knndl. Oen. pi. p. 340.

(Folliculus conaceus vel ligneus, mono — polyspermus)

2143 OREVUiIiBA n Br

(Incl Gener plant Suppl IV H p 83 [Synops specier] — Wlprs Annal I 591)

- 1 GR (*Lyssostylis*) HAKEOIDES Meisn in Lehm Plant Preiss II 252 f — Ramulis
 apice senceo-puberulis, folns subtereti - filiformibus integernmis mucronulato - acutis
 laevibus glaucis glabns, sublus bisulcis, corvmbis axillanbus termmalibusque multi-
 flons, rbachi brevissima, pedicellis flores gl[^]rrimoa demum subaequantibu9, calycis
 limbo globoso, dm clauso incurvo, quam tubus tenuis duplo brevior, glandula hy-
 pogyna obsoleta, stylo demum breviter exserto, stigmati terminali nuiante orbic-
 ulari subconvexo, ovario breviter stlpitato — In Nova Hollandia ad fluvium
 Cygnorum
- 2 GR (*Enostylis*) UMBELLULATA Meisn 1 c 252 f — Ramulis apice cano - senceis,
 folns patulis subulato-lineaubus mlegerrimis mucronato-acutis, margine revolutis,
 supra coi>vexis laevibus glabns, subtus nmsulcis yel canaliculatis sonceis, racemis
 axillanbus termmalibusque subglobosis subsessilibus; pedicel 1 is calycem subaequan-
 tibus ferrugineo - puberulis, calyce incurvo, demum 4-partito pistilloque sessili parum
 longiore dense albo - lanalis, stigmati oblique laterali ovali subemarglnato com-
 planato, obsolete umbODato — In Nova Hollandia ad fl C}gnorum
- 3 GR (*Calothyrsus*) CIRSIIFOLIA Meisn 1 c 253 + — Folus petiolatie, linear! - lan-
 ceolatis, remote moiso-serratis, supra venosis adpresse pilosis, demum glabns, subtus
 avenns ramisque senceis, racemis axillanbus, pedunculatis senceis, demum laxiflons
 folium subaequantibus, bracteis laneolatis caducis, pedicells flore longionbus calyce
 dorso flssp umlabiatim deflexo, laminis valde inaequahbus cohaerentibus stigma reti-
 nentibus, ovario sessili piloso, stylo sepala aequante complanato glabio, stigmati
 verticali heraisphaenco, antice umbonato — In Nova Hollandia ad fl Cygnorum

- † MI IHA* IVSI V< HVA MUM) I < 2J4 | - Rums apitC < mo |ibiuli> IOIIN HI
 nisl(lino mime mlc,'0imnis K utilise ulib inucionul His lio\i)ms Dlilm mii^im i«
 v JUIIS supn obsolete slintis subtus Imulcis necmis lonnin ilibus subs* ssilibus
 IIMMIS donso mullillois puberulis peditollih biovissimis colveo n_iicih limlx
 loboso dm ilmsi i((ui\> sljlmn dimidiim piixuni supcimu pislillo siipil do
 ghbio slignnit* I itoi ill ON ill complin no — In Novi llohndi i tll II <)Dnoiuini
- † (rR RR\ (TIO^A Moisn I « | — Rmnis ipiro peduiculisqut tdpiessi pubeiulis, lo
 Ins inrush Imoinlms inti_nimmis glabns ipicc splnccl lto iciiiiisculis supra con
 \p\h iinuicisi IIIIIKUIII li<\ibiis inugmibiis icule icfnciis sublus bisulcis, laccmis
 ivilldiibiis iMiniiihlms(lii(bioibus densifions, bndeis dm pcislenlibus, palulis
 iiumlii IIIIUIS oho\ iis un^uiculatis, ciljcc mijonbus (lonbiia bievc pedicellalis gh-
 bniunib t il\tii> m ic inllexi huiinis din globoso-cobaci entilms, stylo demum exseio
 duplo longioio o\ano long* siipinio, tiigmiw hienh anyusw panduincformi com
 pl uiio — In ^ov1 Holhndii ad fl Cjjoimn
- < (A\ Tb\{ rilOHV Mtisn 1 c 255 + — Hnnii^ ipice]>uboiulis, folns icielibus sul
 < nlo - fnifjilulis ^labns ngidis scniLi ifhli^, latimia siibnoqnnlibiis spmestonlibus diy-
 IKUIO inddis inlnniedn ploruiqno mdivisa, conmbis in summis nxillis subsessilibus
 hiovioubns donso mulnnons pedicellis cnljciusquo glabnuscuis, pistillo stipitalo
 n_h)io stylo Illilomii exscio, sugmie latenli ovili obliio mngindtu antice convo-
 vmscnlo — In No\ i llohndn id 11 (yu:norui
- i (A\ (MutujUsui) OR^iriIOPOD\ Mcisn 1 c 25b f — Glabcnima folus cuncifor-
 mibus lon_{DC} itlenmlo - snbpoiiohiis pl mis inplincrvns apicc Infldis, lobis subaequi-
 longis »n_u*>lo hncculais inu get rums spmc scnti - mucronatis latcialibus recuivo-
 subhlrilis ntemis pednncuhiis infrmo mnosis sl\Io basi flhformi — In Nova
 Molhndia ad II Cjgnonim
- K (It ((noijynt) BIU VICUSIMS Mcisn I c f — Ramulib angulais glabns, folus se-
 iiii illdis, lobo micimedjo sunplici brevi iccurvo, Inlcialibus cunealis tnfldis, lacinus
 hltnlibus divuiqglis sunplicibus vel (idiins) 2—3-lldis, inlormedia duplo longionbus,
 omnibus lineanbus atenuato - mucronotls pungonlibus, niargino iccurvis, supra sub-
 encivus glabns, sublus unincivns adptesso pubcruhs, racemis axillanbus termindh-
 busque bievibus ghbcriinns, stylo Illiformi bre\i subpeisistenlc, slgmate teimi-
 mnh comco, folliculis cornuis obovalis dense venuculosis - In Nova lollnndia ad
 II Cygnorum
- » (JR LCPTOHOTHYS Mcisn I c t— Ramis gnullimis glabrni^rulis, fohis bipinnaii-
 pdruis, pciolo longo semiicicii, scgmniis pumnnis alteims uuiljugis, secundanis
 1—4-jugis Imiaribns pungenti - acuus, maigino rvolutis, supra a\enus glabns, subtil
 nnindMis MISMISVL subsencois, necmis nxillaiibus lerminnlibisque folia aequanlibus,
 hxis podunculo rli irhique clongilis flifoimibus, ipicc pubeiulis, ppedicellis capillan-
 bus, cdlxco incurvo cano - pubeiulo, demum 4 pirlito, pistillo slipitato glabro subae-
 qu Hi, sDgmaic terminal! comco — In Nova Hollandia ad fl (>gnorum
- 10 GR PLTROILOIDtb Mcisn 1 c 257 f — Ramulib apiet gommisque puberulis,
 inox tola tjabcuima folns tupinnaiim pnititis, sogmentis omnibus lereibus reciis vel
 divcigentibus, supra umsulcis vel subcamliculalis, apice sphacelato mucronulatis, de-
 mum muticis, piimaius pttiolo longionbus 2—4-jugia, secundarus 1—2-jugis indivisis
 vel 2 — 5-flidis, spica lamum superne aphyllum gemmulicrum terminante oblonga
 dense multi/lom ebriem, caljcc subsessili gracili clavato recto, pistillum aequante
 demum 4-pariito, laminis lanceolatis acutis, ovario bre\iler stipuato, stylo capillari
 recto siigmate torminali subulato - comco olongalo acuto — In Nova Hollandia ad fl
 Cygnorm
- 11 OR SIHJTTLK WORTHIANA Meisn 1 t 258 f - Ramis tertibub, apice puberulis
 loins bievc pctiolatis cunealo-obovalis jntegermms, ulnnque nervosis reticulalisque

inarginatis glabris, apice acuto recurvo sphacolato niutuoimluto, JUCUIUH teiniinalibus folia superantibus creclis giacilibus, bnsi laraosis, denso mulnnois, obracteis giberimis, pedicelli* uiljce icguluu ICCIO duruin 4-partuo dimitho bievionbus; gloudula hypogjna siibnulla, pisulio subsossili talyccm M\ supciante, siigmate comco oblusio, folliculis crecus glabris, apico lolundalo - \entutosis mucionulati*, maigine sljlau depifssio siilxnnnato — In Nova liolluinlii ad II ()^rnoium

U (JH UFOHMIS Moiss. I t f- Haniulis fionduque bifoim junioie biib&cineo-pubcuius loins hrc\c peliolatis inlegcunnis plants, l.mioium slunlium uinuiio -ohovaiis liincivus, apicti acmo ICCUIMS, ierlilium anguslc clong.iio - lnieaiilms aculis, ulunque ucivoso-slnatib, inccmis leiimiiiali.Jjus cicctis giacilibus siibMinpliubub, dciibillons (biactealis glabeuimis, pedicelhs oaljcc icclo (i.iuli icgulau dtmum 4-pnrlito tnpl) bievionbus glonduln liypogjna subnlln, pi»ullo siipitaio cahccm pnulo supcinnio, siigmaio rylmndiaceo-tonico oblusio, basi aimulo tcnui cinclo — in Nova Hoilandia ml II Cygnoruin

U Gil. (*nuipcvillpa*) sTLUTII 11 Hi m Muu, Cvpedii. Cenli Australia If App p 20 f — Foln» indnisis (nonnullib laio bitldis) jngiisto lincanbus olongalis unineivns, inargiuubub aicco icvolulis, uuemis oblongis c\Imdrnccis\c, ihaclu, pedicellis penanlluisque mexpn^is glulinoso-pubescernibiis; ovno sessili, stjlo glabro — Aibor 15-juudabb (Stuil) Itinii iciuics, pubc aide adpiessa pciai&leiui mcani Folia b—10-polliccs longa, M\ in >, lineas hii, sublei pulicgtcnlia intaiia, super landcm glabrain Tbyisus Icimm.ilis 2—4-untialis, lbaclu pcditellisque pubu eiccla nee appressn sectione gluiinota inuinnxla Fluiois auiaiiUaci. — In ^ova Jloilandia centiuli

II GH (*jr.ycloiHna'**) LINLATA R Di I o 87 f — Folus Indivisis linean - cnsiformibus onoiivis, subim sluis deccin pauciuibus flevnlis uniforimbus inlcrsliua bis teive laliudino supcianiibus, cicatiico nibcctionis Jdtiro quam longn uiinquo oblusio, inconnis iciininalibus altein/s, pislillis semiuncja brevionbus, siigmato toruco.— InNo\A Uulldiida ad II C\gnoium

•f *Suliunu non mdicalac*

15 Gil MITCUELLI Iluok m Mitchell T Journal of uopical Ausiialia p. 2b3 aduot + — Appiosso-subsoritta. folus pinnatildis bipinnaliiuhsquo, Jacuuis angusussime linranbus clongaiis, niaigimbus aicco reflexis, subtus concolonbus; raccmis elongatis secundis den&illons, (loubus subvcilicillaiis, poiianllius pcdicellisquc lomenlosis, lolliculis oblique ovuiit tomentobis sessilibus, slylis glabus — Alfnis G» *chiv&odendion* — Ciescil in Australia orientali iropica.

16 GR LOMISTYLA Hook in Mitchell 1 c 313 adn f — Ilmms puboscentibus, folus longissime lincaibus nculis, basi allenualis, margine snbievolutis, supia glabris, sublus albo-iomentosis; lacemis oblongo-ovatis; puiiibus glandulosis, ovaius scmiglobosis slipiiati^s sencco - lursulissimis; stylo longissimo glabro — Ciescil in Australia orientali nopica

17 GR JUNCIFOLIA Hook, in Mitchell I c. 341 adn f — Raini* angulatis pubescenh-suceis/folus ugidis aïgu&Lisbime lineanbus elongatis semiteietibus aculis glabris, luaigimbus levolutis, lacenus ovalis mulliflois, peditellib pcnanlbusquosenceis, o\auis sessilibus longissimo albo-senccis, stjlis glabris, folliculis oblique ovalis sericuo-lorncnlosis — Ciescit in Australia orientali tiopica

2144. H A H E A *Schrad.*

(End! Gener. plant Suppl. IV II p 85 [Synops. specier])

f II. AMBIGIH Meiss in Lehro. Plant l'ieiss H 260. f — Romis villosio-tomentosis, io-Ins ^essilibus Innceolaiis mtgenimis, sphacelalo-apiculdlis pldrus l/inervns, leticulalo-

venos. s glabns, la&utulis axillanbiis sessilibus, capsulis solilarus breve pedunculatis semiovaio-oblongis allcnuato-rosiratis ccalcaraiis laeviusculis, semims nucleo obovato verruculoso, bine angustc nlato, alam terminalem oblongam oblusiusculam \alva anguliorcm aequinnic — In Nova Hollandia ad fl Cygnorum

- 2 II MULTILIMATA Meisn 1 c 261 f — Folns lingulotis plants integcrnmis, lenuilei stuaiis lacvibus, ipicc submutico sphacelalis ramisque glabns, coryinbis axillanbu* brovissimis, capsulis in pedunculo brevi crasso subfasciculatis ovalis oblusiusculis, ccalcar. iiii Inrvibus, infm apicem compressum nodoso -turgidis, secus suluiam acute bicaunniis, scmimi^ nucleo obovato laeviusculo, hinc angustie alato, quam ala lermi-
nalis ovata obiusa sublongiore — In Nova Hollandia ad 11 Cjgnorum
- J H LONGICUSPIS Hook in Mitchell, Journal of tropical Australia pag 397 adnot — Iligida glaberuma ramis jumonbus subpubscenlibus, folus bi — liiuncialibus tcrcti-
flifoimibus ngidis stnctis longo mucronatis, peiiambus glabns, capsulis subobliquit
ovalis lignosis glabns brevilei acummatis — Ciesut in Austialia onctah iropica
- I II PURPURA Hook in Mitchell I c 348 adn f — Folus lereti-Mifoimibus ngidib
mflidis, segmentis simplicibus furcalisve mucronalis glabns, flonbus puipureis pedi-
cellisque glabns, capsulis obovatis acutis lignosis slipitatis subtuberculatis — Crescil
in Austialia onctali tropica

t Icon addenda.

- II (UHHILATA H lit — Lndl I c p 86 no 569 — Hook Not Mag t 4528 — Paxt
<i I null Mow gaid I 125 fig 85

2145 LIAMBERTIA Sm.

(Lndl Gcnei plant Suppl IV II p 86 [Synops specter J)

- I L NAHIFLORA Meisn. in Lebm Plant Pieiss. II 263 f— Ramis pubcruli^, folus tci-
mms subscssilibus lineanbus indivisis oblusis acutisvc submuticis, utrinque glabns ic-
ticuliitis, nrmigino leviter recurvo subundulato - denticulatis, involucii ramulos bieves
uriiinanlis uniflon squainis lineanbus, calyce medio tomcnloso mullo bievionbus,
sijlo infeinc pubscntc, stigmato tenui continuo subulato, folliculo Incvi, lunc ro-
tundato, inde lostro reclo aequilongo terminato — In Nova Hollandia ad fluvium
fygnium

2150. HELICIA Loin

(Lndl Genci plant Suppl IV II p 87 [Synops. speciei] — Wlpis Annal I 592)

- (H CUMINGIANA Prsl Cpimeliae boiamcae p 246. f — Glabernma * folus sparsis sub-
sossilibus oblongo-lanceolalis breviler acummatis, apicem versus remote et mucronalo-
senalis, basi angustato-acuiis, laccmis axillaribus solitariis, bracteis bractcolisque
ovalis acutis ciliolatis minutis, glandulis hypogjnis ovato-subrotundis fldpicssis, ovaiio
sts&ili glabeinmo — Habitat in provincia Caya\an insulae Luzon
- i H LOUANTHOIDS Pr^l I c j> 247 f — Ramulis novellis compressis lolnsque juve-
nilibus racenusque fciruginco-lomcnlois, loins opposilis sparsisque peliolatis obovalis
oblusis inicgrumis, in peiololum angustaiis, demum glaberumis, lacemis axillanbub
tolio tnplo longionbus, bratlcis ovalis acuiis concavis adpressis pedicellum aequonli-
bus, pengomo extus toinenloso, glandulis hypogjms ovato - subglobosis paientibus
o)9iio hit suusuono — Habitat in insulae Luzon piov Albaj

- 3 If SALICIFOLIA Prsl I c 217 f— Ramulis novellis angulatis, folus sparsis pctiolau^
hnceolaus obtuse acummalis iniegernmis lainulisque glnbemmis, inpeiolum angusta
lit, raccmis axi'lanbus folium aequantibus, braclcis lineanbus acutissimis pateniibus
pedicellos aequanubus perigomoque tomenlosis, glaQdulis hipogymis ovio-aubrotupdi*
planiusculis adpressis, ovano lursutissimo, stigmatelongitudinalitci octosulco — Hn
buat in Maitaban ad Maulnune

2156. STEHTOCARPUS R D,

(Lndl Gen p) Suppl IV II p 88. [fcynops specier J — Wlprs Annal I 592)

- I NT CUNNINGHAM Hook — Wlprs I c no 1 — Paxton, Magaz of bol \IV p I
(t ic)

2157 BAHTKSIA Linn

(Lndl Gen pi Suppl IV II p 88 [Synops specier])

- 1 li UARBIGLRA Meisn in Lehm Plant Preiss II 264 f — Gaule decumbente vel a»
cendene abbreviato tomentoso, folus sparsis pctiolalis oblongis, giosse sinuaio-den-
tatis pinnatifldisque, sinubus obtusis, lobis divaritatis tnangulanbus integns acuii
muticis, utnque leviter costnto - venosis, subius obsolete reticulatis, lacinus albedo-
tomentosis, amento o\ato-oblongo, folus ipso multo longionbus obvnlJaio, bracteis
involuciantibus elongaus linoan - subulatis, villosissunis, calycibus stylo glabro tenui
pirum brevionbus, ungbibus pubescentibus, laminis dorso glabrls apice longe rufo-
barbatis, stigmatelongo - capitato obtuso subangulalo — In Nova Hollands
ad fl Cygnorum

f Icon addenda.

- » OCCIDENTAL IS R Dr — Endl I c no 661 — Lindl ft Paxtoo, Flow gard I 179
lab 35

2158. DRYAHTDRA-rt Bt

(Endl Genei plant Suppl IV II p 59 [Synops specier])

- 1 DR PRALMORbA Meisn in Lehm Plant Preiss II 265 f — Ramulis lomonlosis,
loins cuncato - obovatis oblongisque sinualo-dentutis, apice trunculo v omargmato
muticis, supra glabris subnervus, subtus coslato - venosis, obsolete reliculalis albedo-
lomentosis, sinubus acutiusculis, dentibus inangulaiibus pungenti-aculis, capitulis
terminalibus folus obvallatis, sessilibus, iivolucn (loribus quadruplo brevions bracteis
acutis, exterlonbus tomenlosis, intoiionhus longionhus oblongo-Imoabus, cxlussou-
ceis, uitus glabris stnatis, calyce gracillimo, unguibus pilosiusculis, laminis villosa-
barbtitis, stylo calycem aequante tenui recto glabro, slgmate vix ciassiore, subcon-
tinuo cylindraco obtusmsculo sulcato — In Nova Hollandia ad fl Cygnoruin
- ^ DR CARLINOIDS Meisn I c 267 f— Gaule subcorymboso - ramoso, apice lomenoso
folus subpetiolatis lineanbus pungenti - mucionatis, bnsi attonuatis, iniegernmis pas
simque itpice paucidentatis, maigine revolutis, supra oneivus glabi is punclato-scabnus
tulis, demium laevigatis, subius niveo - lomentosis leticulatis, capiulis tcinunalibu^
loin* obvallatis, sessilibus involucris squainis evtenonbus foliifoimibus (lores supe-
lantibus, inienoibus bicvioibus ^ubulais seiaceo-acurainati^ plumoso-cijl<m& apict

glibrau», caljco gl iberamo demum stvlu <upcialo stigmaic cylmdrdcco obtuso Icvilti sulcaio — In Nova Hollandia ad (I Cygnomni

- 3 MI DRUMMOMHI Meisii I c f — (aule ibbicvi iio, (oliit puiulalis clon^ato oblon-
pis pinn iipn tills , lobi> tin.11 icilis m mgulalii -oblongis dotuirentibus , pungenii -
acutus supia enemis gbbiifl, subtus tonvcigenti - irmemis lenuitci relicuhtis lonen
tosts, (kmiiin gliibatib, c,ijulula inter iolia stssilibus, globosis, involucln squnmii
Imc.iiibus, cxlus villosissimib, intus gljbus sublualis, nutibvib suborbitulanbus
obli(in-> j) ibns nitidis, ladiatim icnuiler sulcalis, maigine conil)icbbissini& —In No\ 1
Hollandia dd 11 C)g-noiuiij

Ordo CXGVI. ARISTOLOCHIAEAE *i.uuii*

(Meisn (JOILT plant vascul I 332. II 24b — Wlpi*. Anna! I 593 a 1002 — AHib'IO-
LUCMIKAL Juss — Lndl Genci planiai p 344 , Suppl I p. 1379, Suppl II p 37,
Suppl IV. II. p 95)

2100. ASARUM *lout ml*

(Linn Cenci pi ml no 589)

- I A LANAURNSL Linn — A day, Manual ul Ibu bol ol llic Noilb Ainui Unilul
Staalcs p 374 — Ton FI010 of New Yoik II 131 + lub 9Z

2162 ARISTOLOCHIA *lournef.*

(Linn (.enci pi no 1022 — W Iprs Ann I G91)

- I \ hOTsrilYI llotlisi mM III A nlnuin), Irul flor Ali)iri II 2J7 — Cnulo lioiuuu
fiii in luuioso ^..IIMO siiiilo <ostiJlu, IOIM < iulnlis loiffrills aculisi glnluis glucis,
iiiiigini> uo*is7 Hoiibus axilliiibiis soliUuiis breviler pedunculaiis, basi binlra lale
<oid U 1 ubliiM siiHullis, ciljto lubuloso supra o\ HIUIII globoso mfloto, cloindoangusto
a lignl 1 oblnjin b.isi Inlion* obiusa snpuino alio - sangumen el pilosi terminnlo, cap
Mfln ^lobosi oxiienuKin digili aofjunnlc — Habitat in Abyssirwac provmcia Glnc
- 2 \ MA(11ADLMA Hook Ilol JUag t 4167 — Scandciib glaboimma. folns sublongi
pcioJaiitf coidaio-ba>iaii^, binu piolundo lato, Jobis roluudatis, pedunculo axjlliiri soli-
lao unilloro ptliolo bublongioie, puiinnllm umlabiali Uibo basi inflaio slriiito, limbo
ov.Ho, luiubui 1 clcxijf, Mijiu ttitucularis glandulo^iK, glandulis uiagnis globotis slipi-
tus — Heal del Mout;
- 3 A PLATYIOIA Gike Linnra XXII 6S f— Volubilis glabifl folus pcliolalis discolo-
ubub inlobis, lobis obiusissimis aequajibus vel medio paululum longiorc, lalciolibiib
pateniisiiims, siijuha nullis, pedunculis millions, penanlbn tubo brpvi cyUndnco
levner iruuiivo (baud infiacio), Junbo bilabiaio, lobiis exappendiculatis longitudino sub-
aoqualbio, ctlicio <>\ili, alicio c basi lincau tanaUculaia inlaminamspulhulniamdensi
ituculuaiain extcn^o - ^OSCH in fiuicelis prop" Laane \an TOUHOIMK in ^11
iunm

- * A PICTA Krstn Ausw schSnbl Pflmn Venezuel Heft 2 p 34 flab 8 — Van Howie, Flore des serres V tab 521 — Lindl a Paxton Flow gaid I 9 flg 1 — Volubilis glmbia folus pciolais exsiipulniis oblongis, profunde cordaio - sagniaais, apice acutis pedunculis axillanbus solilaius umflons, pengonn tubo obovalo, fauce ctindnea limbo paicnte e bast ochracea airopurpurco, pallido reticulalo, ovali, laiere uno cord-no, ihcio rotundalo mucronalo, col)ledonibus embryonis minimi inocqualibus — (rescit in Venezuela, *provincia Caiacas et conflmbus
- » A I ONGIFIORA Lngolm a A Grny, Boston journ V 259. — Radice Illiformi elongin, caule liumili adscendente lamoso, lolus longe lincanbns utnnque acutissimis subscsihbus glabus, flonbus axillatibus pedunculalis, bnsi umbraelcatis, oxtus pubescentibus, limbo e basi-cordata valde producio lmeun ocuminato, tubo angusto multo longiore — In republics Texensi

+ **Icones addendae.**

- A ANGUICIDA Jcq — Hook Dot. Magaz tab 4361 — Van Houtte, Floie des serres IV tab 344
- A GRANDIFLOtA Sw — Hook fiot. Magaz lab 4368 ft 4369 — Van Houtte Flore des seires IV tab 351 352
- A SEKPLNTARIA Linn — Torr Flor of New Yoik II 130 tab 91

2162/., **STRAKAEA Prsl**

(Prsl EpimeJ botanic p 221)

Gdl>cis lubus elongatus lineans quadrangulus cum ovario connatus, lmbus quadn— tnpartilus, lacinnis late o\atis concavis, demum deciduis aelivatione valvatis Pelala nulla. Stamina duodecim—•ovem, uno ralyus limbo inseita, in globum congesla, filamentis bievisisimel ^el ^ubnuJis, anthers ovalibus exlroisis, filamento in apiculum excurrente, longiludinaliter delnscentibus Ovanum quadriJocular, oculis bi — quadnovulatis, ovulis cylindricis angularis c\ angulo cntrah pendulis. Stylus brevissimus crassus angulatus Stigma Jatum peltalum radiato* tingulatum, supra leviter umbonalum. Iructus siliquaeforrais elongatus costis qunlnor elevntm telragonus, ciispidato-miicronalus indeluscons (t) submonilioimi-contiaclus, quadriloculans, JucuJis di — tetraspermis. semma elongata onguiata, subinde medio monilifoimi contracta, ex angulo central) dissepimentorum pendula, apice basique acummala obtu6a, angulis in alam scanosam lnaequalem expansis. Albumen nullum. Cotyledones Jongae complicatae, embryone recto brevi, radícula teretiuscula. — Arbor \el fiulex Malaccensis ramis teietibus aiticulatis, folus sparsis exstipulatis pcliolatis palmatinervns conaceis cum tamo non articulalis*, racemis paniculatis (crminalibus axjJianbusque, flonbus alternis diblichis sessilibus ebraelcatis deciduis; fructibus fere quadn-polhcanbus in basin pedicelliformem angusiatis.

- 1 IST MELASTOMAEFOMA Prsl 1 cit p. 222 — Habitat in peninsula Malacca India onentalis

Ordo CXCVII. NEPENTHACEAE *r,ndi*

(Wlpsis Anni) I 595 — NEPENTHACEAE Blume — Linnæi Generi plantarum p. 345 a. **Suppl.**
IV II 95 — Miscis Generi plantarum vasculorum I 3J4 II 246)

2167 HUEPENTHES *Linn.*

(Wlpsis Annal I 595 — Endl. Gen. plantarum Suppl. IV II p. 95)

- I N BONGSO Kuhn's Flora (B 7) XXXI p. 578 — *Phyllodus sessilibus*, basi albicoma, lobis infundibuliformibus, inflorescentia laciniosa subpubescente, pedicellis 1—2-floris, gemmibus sessilibus — Crescit in Sumalia

- i* N GRACILIS Kuhn's 1 cit p. 578 — *Phyllodus decurrentibus*, ascibus radicalibus ventricoso-lubulosis, caulibus cylindricis tubulosis, inflorescentia racemosa fuscescens, pedunculis unifloris, gemmibus sessilibus — Crescit in insulis Sumatrae, Borneo et Malacca

- 3 N BOSCHIANA Kuhn's I cit p. 578 — *Phyllodus decurrentibus*, ascibus radicalibus ventricoso-tubulosis, inflorescentia cinereo-pubescente, pedunculis uni-vel bifloris, gemmibus sessilibus — Crescit in Borneo

- 4 N RAFFLESIAJANA Jck Flora (B Z) XXXI 578 — *Phyllodus longe petiolatis*, ascibus infundibuliformibus globoso-ventricosis, caulibus infundibuliformibus, inflorescentia cinereo-fusco-tomentosa, pedunculis uni-vel bifloris — Crescit in Sumatra, Bintang et Singajura

- 5 N AMPULLARIA Jck 1 cit p. 578 — *Phyllodus petiolatis integerrimis*, ascibus radicalibus et caulibus ampullaceis, inflorescentia paniculata fusco-tomentosa, pedunculis coimbofens — Crescit in Bintang et Singapura

Ordo CICVIU. PIPERACEAE L. C. Rich.

(Mique), Systems Piperacearum [Roterdarai 1843. 8.] — Wlprs. Anna). I. 595. — Endi.
Gener. plant. SuppJ. IV. II. p. 14. — Meisn. Gener. plant, vascul. I. 335. II. 247.)

Tribus I. PEPEROMIEAE Miquel L c. p. 47.

II. PHYIiLiOBRYOIV Miquel*)

(Miquel, Syst. Piperac, 50. — Wlprs. Anna]. I. 595.)

1. • PH. PAVONI Miquel 1. c. -
p. *subacuminaium* Miqu. in Hook. Lond. journ. of bot. IV. 410.— Tenerior: foliis minoribus ovato-cordntis auenuato-acuminatis. — Peruvia (Cbinchao).
2. ' PH. HAENKEANUM Prsl. Epimeliae bot. 225. — *Peperomia Haenkeana* Opiz in Prsl. Reliq. Haenk. I. 162. — Miquel, Syst. Piperac. 76. no. 13,

HL ACROCARPIBIUM Miquel.

(Miquel, Syst. Piperac. 51. — Wlprs. Annal. I. 596.)

1. * A. NUMMULARIFOLIUM Miquel 1. c. 52. no. 1.
var. p. foliis fere omnibus npice emarginatis paene obcordalis, bine *A. cordifolio* proiimum (Miq. in Hook. Lond. journ. of bot. IV. 411.) — In Surinam.
- ?• * A. SELLOWIANUM Miquel I. c. 55. no. 5. - Wlprs. 1. c.
(*J. pilosius* Miqu. in Hook. Lond. journ. of bot. IV. 411. — Ramis junioribus petio-
lisque pilis longioribus densius obtectis; foliis omnibus fere reniformibus, setis multi-
aniculatis. — El Ecuador.
9. ' A. CORDIFOLIUM Miquel, Syat. Piperac. 56. no. 7.
(i. *minus* Miqu. in Hook. I. c.— Foliis obovatis v. subrotundis emarginatis tenuiter
trinerviis puberulie ciliatisque, sensim glabratiss.
4. A. (?) GDAYAQUILLENSE Miqu. Jn Hook. Lond. journ. of bot. IV. 411. f — Repens
ramosum carnosum - succulentum, adultum glabrum, junius in caule foliisque, praesertim
subius longe pilosum: foliis aliernis petiolatis paulo supra basin peltatis ovato-rhora-
beove - circularibus crassis, subtus convexis uninerviis; amentis solitariis, innovatione
lateralibus pedunculatis filiformibus, demum subremotifloris. — Habitat In provincia
Guayaquil in truncis arborum in insula fluvii Pante.
5. * A. REPENS Miqu. Syst. Piperac. 57. no. 9.
p. *minus* Miqu. in Hook. 1. c. 412. — Gaule repente peiolisque dense puberulis;
foliis late ovato-rotundatis, basi truncatis, hinc semiorbicularibus, 5-nerviis (8—10 mm.
longis), utrinque praesertim margine dense puberulis. — Pozozugo.

*) Species addendas in Annalium tomo primo nuntiatas hoc loco addidi.

- h* A GUILDINGIANUM Miqu in Hook 1 c 412 f — Succulentum repens ramis erectis, petiolis pedunculisque hirtellis, foliis alternis longiuscule petiolatis carnosis punctatis, supra puberulis et ciliatis, subtus subglabris, remiformibus vel late rotundato-triangularibus, basi subcordatis vel plerumque truncatis, quinquenervus, amentis solitarius axillaris vel lateralibus (rinnulo umbracteato laterali insertis) longe pedunculatis bievibus, ovario ovato-obtusis, antheris staminalibus, baccis obliquis cylindricis pedicellatis — *Piptocarpon icmformu.* Hook Exotic Flor tab 114.— *Piper Guildingianum* Spr — Inhibita in insula S. Vincentii
- 7 A JAMROSIANUM Miqu in Hook I c 412 f — Repens radicans filiforme glabrum foliis alternis longe pedunculatis rotundatis vel late ovato-cordatis, sinu basi profundo lobis plerumque connatis, apice rotundatis vel acutiusculis quinquenervus et icneus reuculalis, amentis solitarius axillaris vel terminalibus remotifloris longe pedunculatis elongatis, ovario aequantibus vel brevioribus, bracteis pedicellatis — Habitat in planitie ad Quito, in monte Pichincha .

IV. PEPEBOMIA *de J. Pav.*

(Miquel, Syst Piperac 63 — Wlprs Annal 1 596)

- 1 P (*Tildemia*) ALISMAEFOLIA Pison Epimeliaceae pag 222 f — Rhizomate repente horizontali dentato, foliis radicalibus longe petiolatis ovatis obtusis ciliatis quinquenervus, supra pubescentibus, basi rotundato-obtusis, petiolis simplicibus, spicis radicalibus cylindricis obtusis peduncula aequilongis, pedoculis brevioribus — In Cordillera Peruviana
- 2 P (*Micropepe*) VOGELII Miqu in Hook Lond Journ. of bot IV 418 f — Erecta pauciramosa glabra succulenta foliis alternis petiolatis tenens pellucidis et subtiliter punctatis rotundatis vel late ovato-cordatis, apice late rotundatis, summis obtusiusculis quinquenerviis et parce reticulatis, amentis pedunculatis cum raro axillaribus ovatis, ovario cylindrico recto, baccis ovatis globosis rotundatis, bracteis membranaceis rotundatis pedicellatis — Habitat ad Quito in Nigra
- 3 P HIRTELII Miquel I c 414 f — Succulenta, basi radicans repens ramis erectis; petiolis pedunculisque appresse hirtellis, foliis alternis ovatis ellipticisve acuminatis vel acutis, acmine obtusiusculo, basi obtusis vel rotundatis, utrinque appresse puberulis subtusque glanduloso-punctatis, 3—5-nervus, amentis lateralibus solitariis pedunculatis (pedunculo petiolum parum superante) subdensifloris carnosis teretibus obtusis folio plerumque brevioribus, bracteis persistentibus, baccis globosis ovalibus punctatis — Habitat in insula Domingo, IQ monte Gouliaban
- 4 P HETEROPHYLLA Miquel in Hook 1 c 414 f — Repens et erecta ramosa herbacea, ramulis junioribus petiolisque tenerrime puberulis cito glabra us, foliis alternis breviter petiolatis, inferioribus minoribus rotundatis vel ovatis aut obovatis - rotundatis, mediis ellipticis, utrinque obtusis, summis confertis quandoque suboppositis elliptico-lanceolatis vel lanceolatis quam reliqua multo majoribus, apice attenuatis - obtusiusculis, omnibus uncinatis et immerse venulosis glabris, apice bene tenere ciliatis, amentibus terminalibus solitariis breviter pedunculatis elongatis annulatis - subremotifloris — Habitat ad Casapi Peruviae
- 5 P VINCENTIANA Miquel in Hook 1 c 415 f - Succulenta filiformis vage ramosa repens ramis erectis petiolisque tenerrime puberulis, foliis alternis breviter petiolatis, inferioribus late ellipticis rotundatis vel obovatis, superioribus ellipticis obtusis, basi plerumque acutis carnosis, utrinque tenerrime puberulis cito glabris, supra laetividis, subtus pallidissimis fusco-punctatis uncinatis, amentibus terminalibus soli-

- tanis breviter pedunculata terotibus *uncut* remouffloris — Habitat in insula Sti Vincantu
- 6 P *DASYSTACHYA* Miquel in Hook I c 416 f — Succulenta erecta parce ramosa, tota molliter pubescens foliis alteris imbricatis ovatis ellipticisve, infimis minoribus, utrinque obtusis superioribus acutiusculis, summis attenuate*-subacuminatis, 3—5-nerviis et venosis pellucido-punctulatis, utrinque puberulis pilis sensim deciduis, amentis breviter pedunculataUs terminalibus solitariis Tel ex summis folis autlonibus quandoque geminis erecta obtusis densifloris, rhachi dense birtello - pubescente, bracteis pedicellato - peltatis sparse pilifera vel glabra, ovario apice stigmatifero — Habitat in Peruvia provincia Cbchapoyaa
- 7 P *ACUMINATISSIMA* Miquel in Hook I c + — Succulenta glabra erecta ramosa foliis alteris petiolatis succulentis epunctulatis ovatis ellipticis, summis elliptico-lanceolatis aequilariis longe anguste acuteque acuminatis, acumine juniorum ciliolato, 3—5-nervus, nervis 3 medus distinctis subtus prominentibus, extimis teaubus submargmibus, amentis axillaribus solitariis breviter pedunculatis densifloris, OTano apice stigmatifero — Habitu *P pterocaulem* aequalas — Habitat ad Zongo Soco in Brasiliae provincia Minas GeraSs
- 8 P *HAMILTONIANA* Miquel in Hook I c 417 f — Garnosa glabra, e basi radicante erecta dichotome ramosa foliis alternis breviter petiolatis carnosissimis pellucido - punctatis, summis confertis rhombeo - vel lanceolato - ellipticis acutiusculis vel obtusis, basi cuneatis, subtus pallidis trinerviis, nervo medio ad apicem ducto, amentis terminalibus solitariis breviter pedunculataUs elongati* subdensifloris, ovario apice stigmatifero — Habitat in Jamaica.
- 9 P *SPECTABILIS* Miquel in Hook I c f — Succulenta erecta caule petiolisque dense pubescentibus, folis alteris (?), summis subternis petiolatis ovatis acuminatis, basi rotundatis vel acutiusculis succulentis, supra sparse et decidue, subtus paulo densius puberulis, uninerviis et tenuiter penninerviis, amentis in panicula ampla terminali verticillatim dispositis, verticillis (3) singulis e 3—6 amentis remotifloris filiformibus longiusculis, bracteis pedicellato - peltatis orbiculatis, ovario apice stigmatifero — Habitat in Peruvia
- 10 P *RHOMBOIDEA* Hook & Am — Miquel, Syst Piperac 103 & in Hook Lond Journ IV 418 f (Oignon emend)— Succulenta suberecta caule, petiolis foliisque praeseitis subtus sparse pilosis, cito glabratis, folis oppositis petiolatis latis ovato-rhombicis vel ellipticis acuminatis acutis vel obtusis, basi rotundatis vel cuneatis 5—7-nervus, amentis axillaribus et solitariis dissitifloris — *P latifoliae* affinis est — Habitat in insulis mans pacifici coralliois Nohoan, Tahiti
- 11 P *ABYSSINICA* Miquel in Hook I c 419 f — Succulento-carnosa glaberrima, dichotome ramosa, basi repens radicans aphylla, superne foliosa folis alteris, summis confertis quandoque suboppositis, breviter petiolatis reflexis (praeter novella et pauca radicaia parva subrotunda) ellipticis imbricatis vel obovatis, utrinque obtusis vel apici, rotundatis aut emarginatis uninerviis vel obsolete uninerviis, amento terminali solitario brevi pedunculo aequante remotifloro, bracteis pedicellato - peltatis orbicularibus, ovario elliptico apice stigmatifero — Habitat in rupibus vallis Maschicha inter Debra Dschoft et Abu Mekkana in Abyssinia
- 12 P *MACROTHYRSA* Miquel I c f - Garnosa glabra erecta, inferius simplex et aphylla foliis alteris ad apicem caulis primarij dense aggregatis crasse carnosissimis petiolatis ellipticis vel lanceolato-dolabriformibus, basi attenuatis, apice contracto obtusiusculis, caule supra foliorum comam elongato parce foloso et aphylo amenifero alte paniculato, amentis in axillis foliorum floralium vel bracteaeformium sessilibus 2—4-fasciculatis inaequilongis subdensifloris — Habitat in Peruvia provincia Ghachapoyas
- 13 P *PLURNAMBUCENSIS* Miquel I c 420 + — Succulento-carnosa radicans folis alteris obovatis - ellipticis breviter acuminatis vel lanceolato-ellipticis, basi cuneatis in petio-

- lum attenuatis glabris uninervis et costivemis, araontis in pediunculo communi succulento lenei rime puberulo racemoso - paniculatis, breviter pedicellatis vel **sessilibus** brevibus cylindricis obusis, summis brevissimis ellipticis densifloris, bracteis pedicellato-peltatis persistentibus, antheris ouranliacis, ovano ovalo apice stigmalifero baccis exserti? obovatis vel globosis fuscis punctatis — Habitat in trunco muscoso arborum in sylva ad colomaui Catuca, Pernambuco
- 14 P QUITENSIS Miqu I c 421 f — Succulenta erecta ramosa ramis praesertim ad nodos, petiolis loliisque utrinque in nervis marginibique setuloso - hirtis, bis oppositis petiolatis rhombico - ovatis ellipticisve, utrinque aculiusculis, apice ipso obtusiusculo subtus punctatis, uninervis, nervo medio ad apicem ducto, amentis longiusculo pedunculatis (pedunculo petiolum ter quaterve superante) axillaribus oppositis et terminalibus subpamculato-congestis subconfertifloris — Habitat prope Quito, supra iruncos in vallibus
- 15 P INSULARUM Miqu I c 422 f — Succulenta ascendens radicans ramosa ramulis, petiolis, foliis subtus in nervis pedunculisque sparse puberulis, sensim glabris, folis oppositis petiolatis rhombico-ellipticis vel-sublanceolatis, basi cuneatis acutis vel obtusis, apice attenuato vel subacuminato obtusiusculis, 3-vel 5-nervis, nervo medio percurrente crassiusculo, lateralibus tenuibus, amentia axillaribus et terminalibus, plerumque aggregatis 1—5 pedunculo longioribus teretibus obtusis subdissitifloris, ovano apice stigmatifero — Habitat in insulis Sandwich, Oahu.
- 16 P. Species nova? Miqu in Hook 1 c 422 f — *Peperomia portulacoidi* (Miqu Syst Pip 130) affinis, folia autem alterna videntur, statura *P. Aiabicom* (Miqu Syst Pip 121) referent sed folia obovata vel lanceolata, amenta solitana vel gemma axillaria dissitiflora — Madagascana
- 17 P Sp nov Miqu in Hook I c f- Longe repens caule tenui angulato laevi mtenie lignescente, folis oppositis breviter petiolatis orbicularibus vel basi leviter excisis, subtus convexis, junonibus utrinque pubescenti-hirtellis, adultis glaberrimis carnosissimis enervis — *Piper humulartum* Lam » — Habitat in Madagascana
- 18 P FLAGELLIFORMIS Hook HI mss ex Miqu in Hook I c 423 f — Erecta succulenta glaberrima folis breviter petiolatis **vei icilialis** 2—4 elliptico - spatulatis obtusis, basi acutis uninervis subovatis, subtus pallidis et petiolis ramulisque nascentibus tenemem subpuberulis, amentis veicilialis 6—7 pedunculatis remotifloris, baccis ovatis acutis verrucosis — Habitat in insula Galapagos (James Island)
- 19 P MATHEWSIANA Miqu in Hook 1 c 423 f — Erecta succulenta opposita ramosa, mollis puberula folis verticillatis 4—6, raio 2, breviter petiolatis, utrinque pubescentibus*, pilis subtus supra nervos densioribus, rhombico - spatulatis, basi cuneatis, apice attenuato obtusiusculis, superioribus rhombico - lanceolatis pellucido - punctatis trineerviis, nervo medio ad apicem ducto subtus prominente, lateralibus tenuibus, dimensis axillaribus veicilialis terminalibusque breviter pedunculatis filiformibus elongatis subdensifloris, bracteis pedicellato - peltatis glandulosis, ovano apice stigmatifero — Habitat in Peruvia, Cassapi, Zacopota
- 20 P HARTWEGIANA Miqu in Hook I c 425 f — Garnosa ascendens dichotoma caule angulato foliis subtus, lamulis petiolisque dense hirtello - pubescentibus, **folus** verticillatis 4—5 subpalmatis lato vel subobovato-ellipticis, basi aculiusculis, apice obtusis, raro emarginatis vel mucronulatis, marginibus subrevolutis, crasse carnosissimis, supra praesertim versus basin puberulis sensim glabris, subtus glaberrimis glanduloso-punctatis, per basin umbrarum subavenis, amentis terminalibus solitana* ins vel binis pedunculatis densifloris, ovano oblongo acuminatim attenuato, apice stigmalifero, baccis ovatis acutis subobliquis punctatis — Habitat in Columbia
- 21 P GALAPAGENSIS Hook fil mss ex Miqu in Hook 1 c 426 + — Succulenta (ascendens?) ramosa ramis ramulisque tetragonis teatere puberulis, **folus** verticillatis

2—6 breviter petiolatis patulo-reflexis succulenis pellucido-punctatis glandulosis glabris ovatis oblongo-Imeanbus vel anguste ellipticis, utrinque obtusis uninnervis avenis, subtus convexis, amenis azillanibus et terminalibus 3—5-verticillatis pedunculatis filiformi-clavatis confertifloris, bracteis pedicellato-peltatis subrotundis pellucido-glandulosis, filamentis Jongiusculis, ovano ovato-elliptico suboblongo, apice stigmatifero, baccis parumper immersis subglobosis-ovatis acutis punctato-verrucosis — Habitat in insulis Galapagos (St James)

- 22 P RUBRINODIS Kuntz in Bot. Beechey, Index sem. in hort. bot. Borolm. a 1848 collectorum p. 12 no. 11 f. — Erecta carnosula glabra raris teretiusculis patenlissimis Jaeto vindibus rubro-lineolatis carnosula, nodis subtumidis, infra folia purpurascens, foliis oppositis, in apice ramorum per 3—6 verticillato-congestis oblongis obtusis emarginatis, basi cuneatis, tinnemine crasse carnosula nervis praesertim supra impressis, medio subtus rotundato-prominulo, saturate vindibus, supra nitidulis, subtus pallidionibus, spicis terminalibus terms, longe pedunculatis erectis, parum curvatis densifloris, squamis ovatis obtusis, infra apicem peltatis, ovanis oblongis, vertice ampliore ovato obtuso antice medio stigmatifero, stigmatibus punctiformi — Habitat in Guatemala
- 43 P OBCORDATA Prsl Lpirael p. 223 f. - Glaberrima caule repente ad nodos radicante ramulisque erectis angulato, foliis breviter*petiolatis quaternato-verticillatis obcordatis cartilagineo-marginatis, praeter costam obscuram eorum avenis *m* emarginatura ciliolatis, basi acutis, pedunculo terminali compresso foliis duplo longiore, spica cylindrica obtuse apiculata pedunculata aequante — Habitat in Cordilleris Peruviae
- 24 P FREIREABFOLIA A Richard, Tent. flor. Abyssin. II 274 — Tenerrima pusilla pellucida foliis petiolatis parvulis, figura maxima variis, nunc ovalibus, basi apiceque obtusis, nunc late cordatis, latioribus quam longis, nunc suborbiculatis, integris glabris, amentis oppositifoliis pedunculatis solitariis distinctifloris, fructibus ovoideis rostratis apiculatis subcostatis — *Piper fricii eaeformum* Hochst. mss. — Habitat in Abyssiniae umbratis. sub rupibus in coevalle fluvii Tacazze
- 25 P GORCOVADENSIS Gardn. in Hook. Lond. Journ. of bot. I 187 — Gaule procurante e nodis radicante subramoso quadrangulo, foliis alternis ovato-ellipticis obtusis tinnemine carnosula-concoloribus glabris, spicis terminalibus solitariis — Folia semipollicaria, 3 lin. lata, punctata, petioli vix lineam longi glabri, spica 6—8 lin. longa — Habitat in Brasiliae monte Gorcovado
- 26 P (*Pamculana*) COTYLEDON Benth. Plant. Hartw. 148 no. 833 — Glabra vel tomento minutissimo superne canescens foliis radicalibus peltatis orbiculatis longissime petiolatis, caulibus paucis oppositis breviter petiolatis, amentibus brevibus numerosis in paniculam terminalem oblongam simplicem vel ramosam longe pedunculatam confertis — Gaules e basi perenni simplices laevi V⁸—1-pedales, folia radicalia in petiolo 3—5-pollicaria, sesquipollicem diametro, 7—9-nervi carnosula, caulina pauca per panem remota breviter petiolata viz pollicaria, saepius longiora quam lata, nonnulla basi leviter cordata sed omnia plus minus peltata, panicula oblonga 9—18 lin. longa, amenta numerosissima alba cum pedicello 1-1¹/_a-lineam 3—4 lin. longa, flores approximati fragrantissimi, bractae subsessiles peltatae persistentes, stamina 2, filamentis liberis, ovum basi attenuatum, stigma minimum verticale, bacca minuta pyriformis — Habitat in sylvis Huacabamba in Columbia
- 27 P UM BELLATA Miqu. in Hook. Lond. Journ. of bot. IV 427 + — Erecta succulenta glabra simpliciuscula foliis (praeter pauca radicalia) ad apicem caulium confertis cordato-rotundatis vel rotundato-ovatis obtusis, tenuiter 5—7-nerviis, caule supra folia elongato amentifero simplici aphylo vel pauciramoso et folioso, amentibus in lamulium apicibus umbellatis numerosissimis filiformibus lemotifloris, bracteis infra medium pedicellato-peltatis — Habitat in Peruviae Ghacabapoyas

- 28 P (*Rhynckophorwn*) PARKERIANA Miqu in Hook 1 c 427 f — Succulenla glabra ramosa ra (hearts fob is alierms modice petiolalis succuleniis glanduloao - punctatis ovato- vel elliptico -oblongjs acute acuminaiis, plerumque inaequilatens, basi roiundatis vel acuiis, summis sublameolaiis umnerviis, utrinque tenuier 3—4-venulosis, ameotis ramulos aphyllis terminantibus pedunculatis (peduoculo petiolum circuer ae- quante) plerumque conjugate elongatis deasiflofJS, ovano acummato-acutato — Hab- itat in Guiana Anglica
- 29 * P HERNANDIAEFOLIA Miqu Syst Piprac 73 8c in Hook 1 c 427 f — A se- cione *Tildenia* removendi hujus loci pronmaque est *P Ponthieui*
- 30 P COLUMBIANA Miqu in Hook 1 c 428 f — Garnosa glabra erecta caule angu- lato, loins densis spaisis bmc subopposnis sessilibus vel subsessilibus lanceolauis vel elljptico-ldnccolauis, utrinque atenuatis glabns, subtus umnervns el parce prominule venosis, glanduloso-punctuus, amentis teiminalibus aggregatis (3) longiuscule pedun- culatis teretibus obtusis rectis pedunculum acquantibus deusiQons, bracteis subsessili- pelialis, ovano rbachi iramerso, infra apicem stigmatifero — Habitat in Columbia
31. P CUNEATA Miqu in Hook 1 c 428 f — Carnosa glabra folns alterms longius- cule petiolalis cuneato- vel obovato-spathulatis obtusis raro retusis, umnervns et prope basin utrinque tmenosis, amenlts terminalibus vel e fohorum supremorum axillis, solitani8 longe pedunculatis, pedunculo plerumque umbraciealo, densiflons, ovano oblique acuminato antioe stigmatifero, baccis acuminatissimis — *Piper cuneatum* Hook herb — Habitat in insula Su Vincentu
- 32 *P AMPLEXICAULIS A Dietr — Miqu Syst Piperac 196 no 187 ft in Hook I c 429
- p. *giandifolia* decumbens radicans succulenta glabra folns a 1 terms sessilibus vel subsessilibus cuneato - spatliulatis, apice aitenuato obtusiusculis, nervo medio va- lido ad 7i altitud 4-cosiolato — Folia quam in specie majora ft latiora 12—16 cm longa, 3¹/₄—4 cm. lata — Jamaica

Tnbus II. *PIPEREAE* Miqu. Syst Piperac. 202

VII JUJLCROPIPER *Miqu.*

(Miqu Syst Fiperac 216 — Wlprs Anoal I 600)

- 1 M REINWARDTIANUM Miqu Linnaea XXI 481 f - Fiuticosum subglabrum **folns** ovato-rotundatis breviter acutis, basi truncnto-cordatis, summis roiundatis, membrana- ceis vix pellucido-punctatis glandulosis glabns, vel inferne parce pilosuJis, 9—7-neY- vns nervis 3 medns paulum supra basin libens, petiolis e basi vaginante teietiusculis, jumonbus spaise et longiuscule pilosis, amento foemineo cylindnco obtuso, baccis densis obovato-pyramidatis, stigmatibus 3, raro 4 brevibus crassiuscutis puberulis — Crescit in insula Nusa Laut Indiae orientals
- 2 ' M LATUM PrsI Epimel botanic 225 — *Piper lalum* Opiz in Prsl Reliq Haenk T 159
- 3 M EXCELSUM Miqu Syst Piperac 221 no 5 ft in Hook Lond journ of bot I' 432 (Diagn emend) — Frutescens glabrum folns membranaceis pellucido - punctatis late rotundato-ovatis breviter ft obtuse acuminaiis vel acutis aequilatens, basi cordons 7- vel fere 9 - nerviis , supenonbus ovatis, summis rhombeo - vel lanceoJato - ovatis, 5-nervns, petiolis ad m<dmm a/atls, alis conaceis m dorso reflexo pelioli cooniventibus, amends axillanbus vel ramulum lateialiter teimioaotibus plerumque gemia¹si foemineis cylindnco brevibus, masculia loogionbus cylindraceo-flhfonntbiis. — **Ma BW** m Nova Zeelandia

vni. CHAVICA Miqu.

(Miqu., Syst. Piperac. 222. - Wlprs. Annal. I. 600.)

1. 'CH. CORYLISTACHYA Miqu. 1. c. 281. no. 46.
[J. major Miqu. in Hook. Lond. joarn. or bot. IV. 433. — Foliis 20 cm. longis, 6/i cm. latis; amentia cylindricis obtusis, 6% cm. longis, calamum scriptorium erassis. — Itsul. Philippinae.]
2. 'CH. GLANDULOSA Prsl. Epimel. bot. 223. f- *Piper glanduloaum* Opiz in Prsl. Reliq. Haenk. I. 158. — (Miqu. Syst. Piperac. 236. obs.)

X. CUBEBA Miqu.

(Miquel, Syst. Piperac. 285. — Wlprs. Annal. I. 600.)

- t. C? HEDBRACEA Miqu. in Hook. Lond. journ. of bot. IV. 435. t — Alte scandens, dichotome ramosa nodosa glaberrima: foliis coriaceis obsolete pellucido-punctatis, sub-
tatis psillidis, ovatis attenuate-acuminata, acumine subobliquo obtusifuseulo, basi sub-
acquali rotundatis vel obtusis, marginibus leviter revolutis, quintupli - vel sepfupli-
nerviis, nervo medio ad apicem ducto, venulis immersis; pedunculo petiolum circiter
aequante; amentia (masc.) cylindricis obtusis folio multum brevioribus; bracteis peita-
tim sessilibus orbicularibus coriaceis gfabrff Jmbricatis; staminibus geminis. — *JPiper*
hederaceum A. Cunningh. mss. — Species distinctissima foliorum forma cum *C. Neesiana*
' comparanda. — „Ffve Islands'* altissimas arbores ascendens.
2. G. CLUSII Miqu. Syst. Piper. 304. no. 13. ft in Hook. 1. c. 434. f — Ramis teretibus
sculis, ramulis tetragonis vel tetragono - compressis, nascentibus, petiolis folisque sub-
tus in nervis primariis pedunculisque tonerrime pubescentibus; foliis modice petiolatis,
inflmis ovatis aequaliter acuminatis, basi aequali cordatis, superioribus majoribus
late ellipticis acuminatis aequaliter vel inaequaliter basi late rotundata vel obtusa
modice inaequali excisis vel leviter cordatis, membranaceis, subtus pallidis, nervo
medio paucicostulato, costulis 3—2 ad y« alt. majusculis palulo-ascendentibus, reliquis
inflmis et supremis tenuibus, pedunculo petiolum bis terve superante; amentia (foem.)
subpatula curvatis; stigmatibus; baccis ovatis vel ellipticis acuti» pedicellunt aequo-
tibus vel paulo superantibus. — Habitat in insula Fernando Po ad Clarence.

XI. PIPER Linn.

(Miquel, Syst. Piperac. 305. — Wlpra. Annal. I. 601.)

1. P. ZEYLANICUM Miqu. in Hook. Lond. journ. of bot. IV. 436. f — Glabrum: foliis ri-
gide coriaceis epunctatis ovatis aequaliter acuminatis, basi inaequali oordatis vel
rotundatis, marginibus revolutis, quinque- (velnervulo basilari in latere externo aceso-
rlo) 6-nerviis, nervis crassis, subtus prominentibus, supra irapresais; amentia dioftfs
longiuaoule pedunculata (pedunculo petiolum superante) brevibus densiflora; bracteis
oblongis decurrenti-'udnais, Intur*ad basin axique hirtis; alaminibus 2, filamentis
crassis infra antheram marginalis; stigmatibus 4 raro 5 crassis refleia. — Habitat in
insula Ceylon.
2. P. HOOKERI Miqu. in Hook. I.e. 437.f - Ramulia, petiolis, pedunculis foliaque junio-
ribus subtus in nervis hirteuis, bis coriaeeo - membranacea pellucido-punctatis, supra
glabria, ovatis aequaliter breviter acumioatis, acumline obtiwo, basi aequali cordatis

vel rotundatis septem- vel nervis 3 mediis paulo supra basin liberis septupli- vel noveno-nerviis; pedunculo petiolum (amento foem. folium) superante; bracteis oblongis decurrenti-adnatis, subius sparse birtellis cito glabratis; ovario ovato; stigmatibus 4 brevibus crassis puberulis. — Habitat ad Bombay.

3. P. WALKERI Hiqu. in Hook. 1. c. 438. f — Ramulis petiollsque adultis glabris; foliis crassiuscule membranaceis subtilissime pellucido - punctulatis, supra glabris opacis, subtus praesertim in nervis sparsissime piiosulis aequilateris vel subinaequilateris elliptico- vel ovato-lanceolatis lanceolatisque acuminatis, acumine acuto vel obtusiusculo, basi leviter innequali obtusis septuplinerviis, nervis 3 mediis ad 'A—¹/_{*} altitud. a basi liberis ad apicem ductis; pedunculo petiolum aequante vel paulo superante; amentis filiformibus longissimis remotifloris dioicis; bracteis elongatis decurrentibus intus hirtis; stigmatibus 3 crassis breviter lanceolatis acutis. — Habitat in insula Ceylon.
4. P. (?) CHINENSE Miqu. in Hook. 1. c. 439. f — Glabrum: ramulis flexuosis; foliis modice petiolatis tenuitermembranaceis epunctatis, venis pellucidis, ovato- vel late ellipticis subinaequilateris acute acuminatis, basi latis ima aculiusculis 5-nerviis, nervis tenuissimis, medio ad apicem ducto, lateralibus 2 per anastomoses ad eum continuatis; pedunculo petiolum circiter aequante; amentis cylindricis densifloris hermaphroditis; bracteis clavato-peltatis? marcescentibus; ovario ovato; stigmatibus 3 brevibus erectis staminibus duobus vel pluribus? ovario circumpositis; antheris bilocularibus; filamentis basi adnatis, parim persistentibus; baccis ovalis acutis stigmatum rudimentis coronatis. — Habitat in China.

XV. $\overline{E} \overline{K} \overline{K} \overline{E} \overline{A}$ *Knth.*

(Miquel, Syst. Piperac. 346. — Wlprs. Annal. I. 603.)

1. *E. RETICULATA Miqu. I. c. 365. no. 19. fie Prsl. Epimel. bot. 224. — *Piper incunum* Sieb. mss.
2. E. DECRESCENS Miqu. in Hook. Lond. journ. of bot. IV. 440. + — Ramis glabris striatis, ramulis, petiolis, foliis utrinque in nervis pedunculisque hirtellis; liliis membranaceis pellucido - punctatis, supra opacis et cito glabratis, inferioribus aequilateris late ovalis acuminatis, basi profunde cordatis, 7-interdum sub-9-nerviis, superioribus sensim decrescentibus summisque breviter petiolatis aequilateris vel inaequilateris ovatis breviter acuminatis mucronatis, basi rotundatis, 7—5-nerviis; amentis folium aequantibus superantibus confertifloris; bracteis spathulato-conchaeformibus hirtis; ovario elliptico; stigmatibus 4 brevibus recurvis; baccis globoso - ellipticis subtetragonis. — Habitat in America centrali.

XVI. PEL, TOBRYOIY *Kltzsch.*

(Miquel, Syst. Piperac. 369. — Wlprs. Annal. I. 604.)

1. * P. PHYTOLACCAEFOLIUM Prsl. Epimel. botanic, p. 224. — *Artanthe phytolaccaefolia* Miquel I. c. 534. no. 187.
2. P. MATHEWSH Miqu. in Hook. Lond. journ. of bot. IV. 441. f — Ramulis, pedunculi petiolis foliisque subius in nervis primariis tenerrime puberulis, cito glabratis, bis membranaceis subepunctatis, subius glandulosis, ovato - oblongis vel subovatis acuminatis, acumine lineari - lanceolato subfalcato acutissimo, basi late rotundata subaequali in petiolum proiracia, costulis majusculis usque ad $\frac{1}{2}$ alt. circiter 6—8 patulo-acutis; amentis folio $\frac{1}{2}$ brevioribus cylindricis rectis, pedunculo petiolo brevioribus vel subaequalibus; bracteis conchaeformi-peltatis birtellis deciduis; stylo filiformi ovario superante; stigmatibus 3 linearibus patulis. — Habitat in Peruvia.

3. *P. HOOKERI* Miqu. in Hook. 1. c. 443. f — Glabrum: ramulis resinoso-glandulosis; folia membranaceis pellucido-punctatis, utrinque praesertim subius glandulis hemisphaericis nitidis adpersis, oblongis vel sublanceolato-oblongis breviter acuminatis, acumine acuto vel obtusiusculo, basi leviter inaequali attenuato-aculis, costis utrinque per totam longitudinem circiter 12 patulis, prope marginem arcuato-anastomosantibus ac ascendentiibus; ameniis crassis cylindricis obtusis folio multoties brevioribus; stylo brevi crasso, stigmatibus 3 brevibus; baccis obovatis stylo deciduo cicatratis. — Habitat in sylvis humidis ad Si. Marlham.

XVIII. ARTMITE Miqu.

(Miqu. Syst. Piperac. 377. — Wlprs. Annal. I. 304.)

Sect. 1. *NHANDI* Miqu. 1. c. 380.

1. *A. SORORIA* Miqu. in Hook. Lond. Journ. of bot. IV. 443. + — Ramulis, petiolis foliisque utrinque praeter margines dense appresse birtellos imaque basin juniorum glabris, his longe petiolatis pellucido-punctatis late ovatis abrupte et acute acuminatis, basi concavo-truncalis vel repando-cordatis, novemnerviis; petiolis anguste ad circiter alt. alulatis; ameniis breviter pedunculatis leviter curvatis folium subaequantibus; bracteis peltatis villosis-ciliatis. — Habitat in Peruvia ad Chinchao.
- * *A. RUIZIANA* Miqu. in Hook. 1. c. 444. f — Glabra: foliis breviter petiolatis rigide membranaceis epunctatis rotundato-ovatis, summis late ovatis, aequilateris vel inequilateris subabrupte breviter acuminatis, acumine obtuse basi lato-truncalis vel summis rotundatis 9-vel sub-7-nerviis, nervis 5 mediis fere ad apicem ductis; pedunculo petiolum subaequantem; ameniis brevibus reclis teretibus; bracteis conchaeformi-cucullatis glabriusculis; stigmatibus 4-5 recurvis. — Habitat in Peruviae nertoribus ad Pangoa.
3. *A. SCUTATA* Miqu. in Hook. 1. c. 445. f — Glabra: petiolis basi vaginantibus usque ad alt. coriaceo-alatis; foliis membranaceis pellucido-punctatis ovalis aequilateris, apice abrupte falcatis acuminatis, acumine angustulo obtusiusculo, paulo supra basin peltatis, basi leviter cordata aequali, nervis e basi et e nervo medio usque ad VI alt. ortis 15-17-nerviis, 3 mediis ad apicem ductis; ameniis pedunculatis densifloris, folium aequantibus? — Habitat in Peruvia.
4. *A. REGNELLII* Miquel, Linnaea XXII. 574. f — Petiolis versus apicem, foliorum nervis praesertim supra basin pedunculisque puberulis; foliis corinceis pellucido-punctulatis, ovato-subrotundatis obtusiuscule apiculatis, basi leviter cordatis vel subtruncatis, 11-plinerviis, nervis 3 mediis supra basin, reliquis ex ea liberis, nullo ad apicem pertingente; petiolis usque ad 7* alt. alulatis, deorsum subglabris; ameniis breviter pedunculatis cylindricis abbreviatis obtusis; bracteis pedicellatis-peltatis ciliatis. — Affinis *A. tiliaefoliae* Miqu. — Crescit in Brasiliae provincia Minas Geratis.

Sect. 11. *MACROSTACHYS* Miqu. Syst. Piperac. 391.

5. *A. DIMIDIATA* Prsl. Epimeliae p. 225. + — Glaberrima: ramulis compressis; foliis petiolatis oblongo-lanceolatis acutissimis coriaceis impunctatis pinnatis-nerviis reticulato-venosis, basi acutis valde inaequalibus subdimidiatisque, costa basi exclusa supra alata, petiolis marginatis; pedunculis petiolo aequilongis; spicis cylindricis obtusis erecto-patenlibus, folio plus quam duplo brevioribus. — Habitat in Brasilia ad Rio de Janeiro.

III.

- 6 \ CERNUA: Prsl 1 cit *f* — Gubernma lamulis compresus; folus petiolaus ellipticis acutiusculis pinnaunerviis reaculaio - venosis obscure pellucido-punctaliis, tenuiter cornceis basi obtusis inaequalibus, peulis junioribu? utnque ala membranacea lata oblusa illis longiora demum decidua mstruclis, pedunculis compressis divancalis petiolo tnplo brevionbus, spicis cylindncis mucronato - apiculatis curvalis, folio multiplo brevionbus — Piper *cernuum* Airabida, Fl Flumin I tab 58 — Habitat in Brasilia prope Rio de Janeiro

Sect III CHURUMAYU Miqu. Syst Piperac 407.

- 7 A UOOKCRTANA Miqu in Hook I ond journ of bot IV 446 f — Ramulis, pedunculis peulis folnsque utnque glabns, his membranaccis pellucido-punctalis subinaequilaei aliter late ovatis acuminatis ncumme bre>i lanceolate*acuto, basi leviter inaequali liuncato- vcl subcoidato-lotundatis, costis e basi et supra earn ad $\frac{1}{3}$ vel V» alt. utnque 4—5 noveno - vcl undeno - nervws, amentis breviter pedunculatis brevibull cylindncis aculis densiflons, bracteis peltatis semiorbicular - inangulanbus villosociliatis, area central! nuda subrolunda, ovano in sty I um brevem allenuato, sligmatibus 3 lanceolatis — Habitann Peruvia ad Serruja
- 8 A ENDLICHERIANA Miqu in Hook I c 417 f — Ramulis jumoubus, peliolis postice foil is subtus in nervijs primaiiis quam Icerrime puberulis, cito globraiiis, hisconaceo-membrnccis pellucido-punctatu, supra glabns, utnque glandulis fuscis conspersis ovito-subdeltoideis atlcnuatis acuminatis Inacquilatciis, basi subaequali leviter cordatis vel truncatis, coslis c basi et usque % alt utnque 5—6 11—13-plinervus, nervis 3 mediis id a pic em ductis, pedunculis appicse hirtellis peliolo 7* brevionbus, amenW rectis folio subbrevionbus, bracteis pedicclhto - pcllitis, peltac margine late membrfl-naceo lacero-ciliolato, ovano in stylum altenuato, stigmatibus 4 linean - lanceolate recuivalis — Habitat in Peiuvia
- 9 A BENTHAMIANA Miqu m Hook I c f - Ghibia folns conaceo - membranaceis pellucido - punctalis inaequilateralitci ovalo - oblongis longe et anguste acumi>n^{IS}> btsi leviter inaequali loiundatis, costis majonbus utnque plunbus, inferionbus 4—5 e basi vel bisi proximis fortiusculis ascendentibus, reliquis supeonbus tenuioribu* magis palulis, summa apiciproxima in acumen continuata, pedunculo peliolum circitePaequante amentis cylindncis rectis folio multo brevionbus, bracteis conchaeforBiib^{US} basi hirtis apice tuberculaio-subpeltatis (glabris⁹) — Habitat ad Caraccas
- 10 A SCHACHH Miqu in Hook 1 c 448 f — Glabia folns membranaceis pellucido-punctalis, infenonbus late ovatis, oblique acuteque acuminatis subaequilateris, hant late rotundatis, infia $\frac{1}{3}$ alt noveno - nervns et superne patulo-venosis, superioribus ellipticis maequihtens, bisi obtusis vcl acuiusculis subseptuplinervns et superne venosis, pedunculis petiolo brevionbus, biacteis jnllevo - peltatis, vertice ovarn<u⁶ gnseo-pubescentibus — Habitat in irisula Trinidad
- 11 A MIERSIANA Miqu in Hook 1 c 449 f — Ramulis, petiolis pedunculisque appresse subit etrorsum hnto - pubescentibus, folns conaceis spaisf pellucido - puucintis, sub^u-a ten em me puberulis nei visque sulcatis, subtus sublacunosis mcanis pubescenti-tom on- ulo losis, pilis supra nervos dcnsonbus, oblique ovatis acuminalis, acumine acutiuse^u mucronulato, basi levitei inaequali lotundati!> vel subcordalis, 5—7-plinervns, ner^v 3 medns ad $\frac{1}{4}$ alt solutis, reliquis e basi pedunculo peliolum bis terve superan^{te} amentis cylindncis brtvibus obtusis, biacteis pedicclato-pellatis subiotundalis cro^{coot} ciliato-hirtH, area centrali nuda glandulosa, slamimbus 4 7 inflmo bractee ^{^P}0:10, baccis obpyramiddlis veilice sublruncato - umbilioatis — Habitat ID Peruvia, in Cha- chapoyas
- 12 A PAVONH Miqu in Hook 1 c 450 f — Ramulis, peulis, pedunculis folllisqu^{ab} V^{pt}I^I lus molliter pubescentibus, his membranaceis pellucido - punctalis, supra moil^{6*} P

tads, antice concavis, praeter basin fuligineo - hirsutissimis, ovano sursum attenuato pubescente, stigmatibus 4 lmeanbus longiusculis — Habitat in Peruvia

- 20 A LINDENIANA Miqu in Hook I c 453 f — Ramulis, petiole, pedunculis foliisque subtus in nervis venulisque incano - hirtis, bis subconaceis pellucido-punctatis, nascentibus supra in nervis pnmariis pilosuli*, cito glabratis, demum areolato - bullalis laevibus, sublus lacunosus, sensim scabrescentibus, ovato-ellipticis aequilatens acute acuminatis, acumine mucionolo, basi inaequilaterali aubaequali rotundatis leviter excisis, costis majoribus utrinque circiter 6 paulo-ascendentibus, nulla ad apicem ducta, omnibus lacunoso-reticulatis, peduncuo petiolum circiter aequante, amentis cylindricis obtusis bieviter mucronatis folio brevionibus, bracteis pedicellato-peltatis triangularibus gnseo-hirto-cilidtis — Habitat in Nova Granada
- 21 A AREOLATA Miqu in Hook 1 c 454 f — Ramulis, petiolis, pedunculis folusque subtus in nervis vemsque sparse longe et patentim hirtis, folus longe petiolatis conaceis pellucido-punctatis, supra praeter basin nervi medii glabns areolatis, domum areolato - bullatis, subtus fusco-punctatis lacunosus, ovntis attenuato-acuminatis subaequilatens, basi in alus aequali, in alns inaequali lotundatis, costis infra $\frac{1}{2}$ utrinque 5 (inflmis 2 subtilissimis reliquis 3 supenonbus majusculis), nulla ad apicem ducta, peduncuo petiolum bis terve superante, amentis cylmdncis recliusculis vel leviter curvatis peduncuo brevionibus vel longionibus, bracteis conchaeformi-peltatis, area subsemilunata - triangulan nuda, ambitu ciliolatis, filamentis exsertis — Habitat in Seiruja, Chachapoyas Peruviae
- 22 A ASPERA Miqu in Hook 1 c 456 f — Ramulis, petiolis, pedunculis foliisque subtus in nervis bntellis, his ngido-membranaceis pellucido-punctatis, junioribus supra in nervis puberulis, caeterum pilis rigidis minutissimis aspernmis, qmbus deciduis puncta* us, sublus pallidis glanduloso - punctatis scabndis oblongis, adulus subaequilatens acummaiis, basi subaequali acutis, costis ad Vi alt uinnque 5, amentis folio subbre-Moubus cylmdncis rectis A el Dexuosis acutis, biacteis pedicellato-peltatis ochraceo-villosulis — Habitat in Peruvia
- 23 A TFNUICUSPIS Miqu in Hook I c 457 f — Ramulis petiolisque molliter longeqoa hirtis, folus breviter petiolatis membranaceis pellucido-punctatis, supra praeter nervum medium versus basin in junioribus birtellum glabns, subtus minute punctulati*, in nervis venulisque appresse hirtellis scabnusculis elongato - oblongis inaequilaterifl longe anguste et acute acuminatis, versus basin aitenuatis, basi valde inaequali semicoidatis, costis infra 7» altit utrinque cucitei 5, summa ad apicem ducta, amentis bieviiiei pedunculatis lectis folio $\frac{1}{2}$ brevioiibus, biaeteis conchaefoimi-pellatis, vertice lencie ciliolatis — Habitat in Peruvia
- 24 A DASYPODA Miqu in Hook I c 459 f - Ramulis, petiolis peduncuhsque birto-villosis folus membranaceis pellucido-punctatis, supra sparse pubescentibus, sensim glabratis, sublus praesertim in nervis margimbusque hirto-pilosis (pilorum articuli* brevissimis numerosis) oblongis vel ovato - oblongis parum inaequilatens falcitim BCOr teque acummaiis, bnsi subaequali levitei coiditis |e| roiundatis, costis usque ad $\frac{1}{2}$ altit utrinque 4—5, summa ad apicem ducta, amentis breviter pedunculatis (nascentibus) dense hirtis brevissimis subconico-oblongis — Habitat in Peruvia
- 25 A ERIOPODA Miqu m Hook 1 c 459 f — Ramis angularis punctulato - aspenusolis, lamulis, petiolis foliisque subtus in nevis dense hirtis, his conaceis pellucido-punctate, supn punctato-aspenmi*, sublus scabro-hirtis et fusco-punctatis, ellip^{ucl} paulo inaequilateris longe an^ustacultque acuminatis, basi subaequali acutis, costis usque ad $\frac{1}{2}$ altit uinnque 6 — 7 pai illele ascendennbus, 3 mediis ad apicem, reli^{u:f} alte versus mirgines ascendennbus, amentis erecus rectis cylmdricis folio paululB brevioiibus peduncuo cito glabrato petiolum superante, bracteis mflexo-peltatis triangularibus ciliatis, baccis glabrio, vertice truncato - concavis — Habitat in Nova Granada

- 26 A BARCLAYANA Miqu in Hook 1 c 460 + — Ramulis, petiolis, pedunculis dense hirtello - pubescentibus, foliis membranaceis sparse pellucido-punctatis, utnque in nervis venulisque sparse appresse hirtellis, supra sensim glabratis subscabrusculis, subtus pallidis, demum sublacunoso-scabrusculis, oblique sublanceolato- vel rhombeo-oblongis attenuato - acuminatis acumine obtuso mucronato vel mutico, versus basin attenuatis, basi obiusa valde inaequalibus, costis utnque ad 7* alt 5—6 ascendentibus, summa per anastomoses ad apicis marginem ducta, amentis (nascentibus) breviter pedunculatis brevibus dense hirtis — Habitat in parte occidentali Novae Granadae
- 27 A GLABRESCENS Miqu in Hook 1 c 461 f — Ramulis punctulato-asperulis, foliis conaceo-membranaceis pellucido - punctatis, supra glabris laeviusculis, subtus pallidis punctatis nascentibus in nervis pilis tenens fugacibus hic illic adpersis, late ellipticis subaequilatis, subabrupte longiuscule et acute acuminatis, basi leviter inaequali vel aequali obtusis, costis majoribus utnque ad 4* alt 3—5 alisque his intermediis et summis magis majoribus, 2 sura mis ad apicem ductis, pedunculo quam petiolus duplo brevior, amentis brevibus cylindricis crassis obtusis, bracteis conchaeformibus vertice truncatis, adules glabris, baccis obpyramidalibus, vertice rotundo concavis umbilicatis glabris punctulatis — Habitat in Guiana Anglica

Sect VI *HEMIPODION* Miqu Syst. Piperac. 490.

- ** A STAMINEA Miqu in Hook Lond Journ of bot IV 461 f — Ramulis nascentibus, petiolis nempe subtus quam tenerrime puberulis, cito glabris, et conaceo-membranaceis epunctatis, utnque nitidis laevissimis elliptico - lanceolatis vel lanceolato-oblongis, apice alieuato obtusiusculis, basi obtusa valde inaequalibus, venis submajoribus utnque circiter 8 tenuissimis, pedunculo petiolum basi substipulaceo-marginatum, mox cicatrisalium superante, amentis tenuibus folium circiter aequantibus, bracteis peltatis ciliato-villosulis sublingularibus, siliis longiuscule ezsertis — Habitat in Jamaicae montibus ad Manchester
- *t A CASAPIENSIS Miqu in Hook I c 463 f — Glabra foliis crassiuscule membranaceis pellucido-punctatis, utnque glandulis fuscis conspersis glabris praeter marginem juncto ruo versus apicem tenerrime ciliatum, oblongis vel obovato-oblongis, apice breviter acuminato acuto, basi inaequali rotundatis, utnque pluricostulatis, amentis pedunculatis ? - Habitat in Casapi Peruviae
- 30 A DEMERARANA Miqu in Hook 1 c 464 f — Ramulis, pedunculis, petiolis folisque subtus in nervis dense hirtellis, his breviter petiolatis membranaceis crebro pellucido-punctatis, supra glabris lanceolato-oblongis aequaliter breviter attenuato-acuminatis, basi magis minusve inaequalibus profunde conventi-cordatis, costulis utrinque 8—10 parvis ascendentibus, summa per anastomosium arcum ad apicem continuata, pedunculo petiolum aequante, amentis parvis brevibus cylindricis, bracteis conchaeformibus vertice truncato-hippocrepiformi minute ciliato glabrato, baccis obpyramidalibus vertice concavo-truncatis puberulis — Habitat in Demerara, Surinam
- ³1 A HOSTMANNIANA Miqu in Hook I c 465 f — Ramulis majoribus petiolisque dense, foliis subtus in nervis sparse pellucido-punctatis, supra saturate virentibus nitidius glabris, subtus fusciscenti-midulis puberulis subpunctatis, elliptico- vel ovato-oblongis subobliquis acute acuminatis, basi leviter inaequali-rotundatis, costis per totam longitudinem utrinque pluribus parvis ascendentibus venosis pedunculatis petiolum vix superantibus, amentis parvis folio paulo brevioribus, bracteis pedicellatis, pelta triangulari, margine extenuata lacero-fimbriata, area centrali nuda transverse oblonga, ovario a lateribus complesso — Habitat in Surinam
- 3^ A LEHMANNIANA Miqu in Hook I c 466-f — Uamis ramulisque verrucoso - punctatis, petiolis pedunculisque majoribus sparse pilosis, foliis subtus in nervis appresse

hirtellis, supra glabr.s, crebro pellucido-punctatis, breviter petiolatis lanceolato-oblongis aequilatens vel inaequilatens longe attonuato-acuminatis, acumine acuto, basi leviter inaequali rotunditis vel acutis, infra % vel Vs alt 5—6-costulatis, pedunculo petiolum parum superanto, nmenlis tenuibus patuhs folio parum brevionbus, braceis mflexo-pcltatis glabris, maigimbus leneinme ciliolatis — Habitat ad Casapi Peruviae

Sect VII *ISOPHYLLON* Miqu Svst Piperac. 501.

- 33 A *MACROSTACHYA* Prsl Epimel bot 227 f— Glabemma ramulis compressis angulatisque, folus petiolatis late ovato-ellipticis ihrupte acuminatis reticulato - venosis herbaceib minute pellucido - punctatissimis, basi acutis aequahub, pedunculis compressis pctiolo aequilongis, spicis cylindnos muticis folio brevionbus — Habitat in Brasilia ad Rio de Janeiro
- 34 A *DIVERGENS* Prsl 1 c p 228 f — Glabemma ramis teretibus, ramulia divancatis compresso -angulatis, folus petiolatis oblongo - lanceolatis angustato - acuminatis obtusis tenuiter conaceis crebre pinnatinerviis reticulato-venosis pellucido -punctatissimis, basi acutis, pedunculis compressis petiolo subduplo longionbua, spicis cyhndncis obtusis patentissimis, folium aequantibus — Habitat ad Rio de Janeiro Brasiliae
- 35 A *RUDGEANA* Miqu Linnaea XXII 77 f — Glabra ramulis subtngonis, folus inferioribus longe, supenonbus breviter petiolaiis ovato- vel oblongo-lanceolatis atenuatocutis*a#ate obtusatis, rectis vel subobliquis, bnsi subaequali attenuatis vel acutis, ulnnque elevato - ct pellucido - punctate, subtus pallidis, venulis subpatulis utnnque plunbus, amentis pedunculum paulo superantibus bieivissimis oblusis deflens, braceis conchaeformi - peltatis, vcrtrice glabns, margine antico extenuato subciliolatis_f ovario ovato aliquid attenuato, stigmatibus tnbus — Crescit in Surinam
- 36 A *KEGELIANA* Miqu 1 c f — Ramulis, petiolis, pedunculis folisque subtus in nervis hirtellis, his breviter petiolatis membranaceis subepunctulatis, supra atro-vindibus mtidis glabm, elliptico- vel ovaio-oblongis, breviter ncuinatis, ba9i subaequali obtusis, costuhs utnnque 6—7 distinctioribus aln&que venulis interpositis patulo-ascendentibus anastomosantibus, pedunculo peliolum haud superante, amenlis folio brevionbus tenuibus, bractefs pedicellato-peltatis hirtociliatis — Grescit in Surinam in sjlvis Paiaensibu:> prope Klein Ononbo
- 37 A *PARKCRIANA* Miqu in Hook Lond journ of bot IV 467 f — Ramulis uno latere duplici serie hirtellis, dem glabiatis, folus crassiuscule membranaceis pellucido - punctatis supia glabns subopaci* subtus in nenis petioloque poslice hirtellis lanceojatoblongis aequilatens acuminatis, basi aequali vol subaoqualj acutis patulo-multicosiatis pedunculo petiolum bis quaterve supennte hirtcillo mmentis brevibus cylmdncis obtusis, bracteis conchacfoimibus, vertico tiuncato subpuberulis glabrescentibus, bacis obovato-polygoms, veilice truncato concavis, sligmaiibus 3 brevibus — Habitat in Demerara
- 38 A *CUSPIDATA* Miqu in Hook 1 c 468 f — Glabra folus membranaceis, subtus pallidis glandulosis et pellucido-punctatis ovato- vel lanceolato-ellipticis longe anguste et aculissime acummalis, basi aequali acutis, costis ulnnque infra V* vel Vs ^{alt} 3—[^] feie seplupli- vel noveno-nervns pedunculo petiolum paulo superante amentis cylinducis aculis vel subrostellatis leviter curvatis folio subbrevioribus, bracteis pnrvis peltaiis convexis margimbus oxtenuatis ciliolatis — Habitat in Peruvia
- 39 A *WARAKABACOURA* Miqu in Hook 1 c 469 f — Glabra folus membranaceoconaccis obsolete pelluculo-puntiaib bieivier peliolatis dequilaiens^nceolaio-elliptic¹⁸ brevitei acummalis vel acutis, ima basi acuta in petiolum attenuate, utnnque venoso-costulata, venulis patuhs circiter 7, subtus reticulatis, amontis pedunculaua, bracteis

conchaeformibus. — Incolis *Warakabacoura* partem listén* famosi veneni Ourari. — Habitat in Guiana Anglica.

40. A. AFFINIS Miquel, *Linnaea* XVIII. 228. f — Ramulis, petiolis, pedunculis foliisque subtus in nervis obovatis - liirtellis, his membranaceis pellucido-punctulatis, supra glabris subnerviatis, subius pallidis subopacis, oblongis breviter attenuato - acuminatis, basi inaequaliter leviter inaequali acutiusculis vel obtusis; amentis folio multoties brevioribus, pedunculo petiolo parum brevioribus, rectiusculis breviter mucronatis subpatulis; bracteis pedicellatis conchaeformi-peltatis, pelta subrotunda, margine praesertim superiore villosa-ciliata, connexivo prominulo glanduloso. — *A. adenophorae* Miqu. Syst. Piper. 514 similis, sed ramulis, petiolis pedunculisque hirtis foliisque supra glabris differt. — Habitat in Surinam.

XVIII. CIRPARYA Prsl.

(Prsl. Epimel. botan. p. 228.)

Flores in spica cylindrica densissime spirales sessiles hermaphrodite basi bractea subsessili cucullata suffulti. Stamina quatuor liberata, filamentis persistentibus, ovario duplo longioribus et illius angulis oppositis, apicem versus crassescens, antheris cordato-subglobosis bicellularibus basifixis. Ovarium ovato-subglobosum quadriquetrum uniloculare uniovulatum, ovulo erecto orthotropo. Stylus nullus. Stigmata quatuor crassiuscula recurva, supra stigmatosa. Bacca subglobosa vel subgloboso-elliptica, quadriquetra, stigmatibus coronata, filamentis cincta, pericarpio tenui. Semen baccae conforme, basi umbonatum ibique affixum, testa tenuissima nucleo adhaerente, albumine albo-farinaceo duro, sacco embryonali turbinato clavato, embryone minutissimo pendulo.

- *. C. PERUVIANA Prsl. 1. c. 229. f — *Piper Carpunya* Ruiz & Pav. — *Piper Carpupija* Pers. — *Schilleria Carpunya* Kuhn. — *Oltonia Carpunya* Miqu. Piperac. 547. — Habitat in Peruvia.
2. * G. LESSERTIANA Prsl. 1. c. f — *Otloma Lessertiana* Miqu. 1. c. 546. — Habitat in Peruvia.
3. * C. OBLONGATA Prsl. 1. c. f — *Piper oblongatum* Opiz. — *Arlanthe oblongata* Miqu. 1. c. 535. — Habitat in montibus Huanocensibus Peruviae.

XIX. OXYPRIA Spr.

(Miqu. Syst. Piperac. 355 — Wlprs. Annal. I. 611.)

1. O. CARPINIFOLIA Prsl. Epimeliae boianicae p. 229. f — Ramulis compressis petiolisque pedunculisque nervisque costae foliorum subtus pube minuta velutinis; foliis breviter petiolatis oblongo-lanceolatis acuminatis impunctatis inaequaliter pinnatinerviis reticulato-venosis coriaceis, basi aequaliter cordatis, petiolis foliorum inferiorum marginato-alatis; pedunculis petiolo aequilongis compressis; bracteis ciliatis; pedicellis ovario ovato longioribus^ ontberis sessilibus. — Habitat ad Rio de Janeiro.
2. O. CONSANGUINEA Prsl. 1. c. p. 230. f — Ramulis compressis, novellis petiolisque nervisque costae foliorum subius pedunculisque pube densissima brevi subtomentosis; foliis nerviatis ovatis oblongisque acuminatis acutiusculis pellucido-punctatissimis, tenulter coriaceis pinnatinerviis reticulato-venosis, basi cordatis, aequalibus et aubaequalibus; pedunculis compressis petiolo aequilongis; racemo folium aequante vel

- breviore, bracteis petiolulatis cuculhiis cilniis disco pubescentibus, pedicellis* elongatis horizontalibus pubescenibus, nrice incrassatis, stamimbus persistentibus, anihens fllomento duplo brevioribus, ovarus baccisve ovato - subglobosis puberulis, stigmatibus crassis bisi connatis — Habitat in monte Corcovado ad Rio de Janeiro
- 3 * 0 STIPULACEA Prsl 1 c p 231 — *Pipci stipulaceum* Opiz — *Enckea stipulacea* Knth — Miqu Piperac 566
- 4 0 HOOKCRIANA Miqu in Hook I ond journ of bot IV 470 f — Ramulis, petiolis folnsque suhtus in nervo medio hirtellis his subaequilalerit elliptico - lanceolatis anguste acuteque acuminans, basi tequali vel leviter macquali cuneatis, interdum s\jbe-marginatis, membranceis, puce p\hlucido - punclulatis, supra glabns vel nascentibus pilis tenernmis mspersis pedunculis petiolum aequantibus rhacluque tenere hirtellis, pedicellis glabnusculis biccas superantibus, stigmatibus exiguis sessilibus — Habitat in sylvis provinciae Minas GeraBs Brasiliae

Ordo CXCVIII. CHLORANTHACEAE L C Rich.

(Endl Gener plant p 264 8: Suppl IV Up 14 — MUSH Gener plant vascul I 334 II 247)

1819 CHLORANTHACEAE Swartz

(Swartz Philos Tiansact LXXXVIII 359)

- 1 CHL SALICIFOLIUS Prsl Epimeliae botanicae 231 + — Glaberrimus ramis compressis sinatis, folns pctiolatis elliptico - lanceolatis acuminatis remote callosis-seiratis, basi teutis, panícula terminali pedunculata folio tnplo brevior e spicis quatuor — sex oppositis breviter pedunculatis lineinbus mucronato - anlatis composita, bracteis ovdtis obtusis, margine callosis — Habitat ad Calauang provinciae Laguna insulae Luzon

1819/1 S%RC1IDRA Gardn.

(Gardn in M Clelland's Calcutta journ of nat hist VI 348)

Flores hermaphroditi, la\ e spicati, singuh intra braceam navicularem sessiles Stamen unicum ovano su^a basin antice insertum, filamenla incrassata cylmduca, anthera bilocmKis loculis introrsis, apice approximalis, basi distantibus, longitudmaliter dehiscentibus Ovanum ovatum umloculare Ovulum pendulum orthotiopum Stigma sessile subcapitato-depiessum Drupa monospeima, stamims cicatrice gibbosa, putamine tenui, fragih Semen pendulum, testa membranacea Embryo antitropus, in apice albuminis carnosu mclusus, radícula infera — Suffiutex Zeylanicus *Chloianthi* facie ramis nodoso-articularibus, folns oppositis petiolatis, penninerviis giosse glanduloso-serralis, petiolis basi in vaginam b^e^em amplexicaulem combinatis, spicis terminibus simplicibus.

- 1 ' 6 CHLORANTHOIDES Gardn 1 c f — In Zeylania insula habitat
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Ordo CXCIX. SAUHURACEAE *Lindl*

(Lindl. *Introduct.* [ed. 2.] p. 187. — SAURUREAE L. G. Rich. — Endl. *Gener. plant*, p. *66; *Suppl. I.* p. 1374; *Suppl. IV. II.* p. 18 — Meisn. *Gener. plant, vascu.* I. 385. II. 248.)

1824. SAURUBUS *linn.*

(Linn. *Gen. pi.* no. 464. — Endl. *Gen. pi.* p. 266, *Suppl. I.* p. 1374. — Michx. *Fl. Bor. Amer.* I. 218.)

* S. CERNUUS Linn. — A. Gray, *Manual of the bot. of the United States* 401. no. 1. — Torr. *Flor. of New York II.* 168. f. tab. 97.

1824/9. § SAURUROPSIS *Turczan.*

(Turczan. *Flora [B. Z.] XXXI.* 715.)

Flores racemosi, pedicello cum bractea ovata concava connato. Squamulae hypogynae duae parvae oppositae oblongae, interne concavusculae. Stamina sex, filamentis brevibus basi ovariorum subadnatis subangulatis, apice vix incrassatis, antherae arcuatae, loculis contiguis, dorso connectivi impositis., Ovaria quatuor libera ovato-compressa, utrinque marginata unilocularia multiovulata, ovulis placentis parietalibus affixis minutissimis. Styli in singulo ovario solitarii, apice incurvo stigmatosi. — Herba habitu *Saururorum* et *Gymnothecae glaberrimae*: caule simplici aut ramo unico aucto angulato; foliis alternis in petiolum brevem dilatatum, basi sua caulem vaginantem attenuatis cordato-oblongis inaequilateris quintuplinerviis, nervis in petiolum decurrentibus, sensim acuminatis; racemis simplicibus oppositifoliis, apice congestis, basi axillaribus; floribus pedicellatis ebracteatis. Squamulae florales (an stamina exteriora abortiva) ovarii duplo breviores, stamina vera ovaria vix superant. Petioli $2\frac{1}{2}$ —3 lin. longi, illis *Saururorum* et *Gymnothecae* multo breviores, sinus foliorum minus profundus et folia angustiora ad apicem gradatim attenuata. Genus in ordine *Saururacearum* anomalum foliis liberis nee in capsulam coadunatis. Caeterum ovarii structura interea in speciminibus maturis denuo examinanda.

¹* S. GHIMENSIS Turczan. — Crescit in China boreali.

Ordo CCI. EMPETRACEAE.

{*Empolreae* Null. — Endl. Gener. plant, p. 1105. [Suppl. III. p. 97.] — Meisn. Gen. plant. vuscul. I. 336. II. 249.)

5760. CORE9IA Don.

(Don in Edinb. New philos. journ. II. 63. — A. Gray, Mem. of the Americ. acad. of arts (New Ser.) III. tab. 1.)

Flores dioici seu polygami, capitati, singuli bracteolis nempe squamis 5—6 membranaceo-scariosis concavis bi—trifariam imbricatis suffulti. Perigonium proprium nullum. *Mas.*: Stamina tria rarius quatuor, filamen ta filiformia, anthrae versatiles subgloboso-didymae biloculares, Joculis per nnam longitudinaliter dchiscentibus. Pistilli rudimentum saepissime nullum. *Foem.*: Ovarium obovoideum triloculare, raro quinque—scxloculare, loculis uniovulatis; ovulum anatropum ex angulo interno erectum, stylus tenuis breviter exsertus, apice tritidus, nunc quadri—quinquefidus, laciniis subulatis palentibus, saepius uni—bidentatis, inlus stigmatosis. Discus hypogynus (ut in ordine) plane nullus* *Hermaphrod.* Pistinum fl. foeminei. Stamina tria, omnia antherifera, vel 1—2 ad mera vestigia reducta, antherae saepius dimidiatim uniloculares. Drupa parva subglobosa sicca (epicarpio pertenui) tripyrena, nunc tetra—pentapyrena, pyrenis cartilagineis semine erecto impletis. Embryo gracilis, in axi albuminis carnosi orthotropus, eodem brevior, radícula infera, cotyledonibus brevissimis.—Fruticuli ericoidei depressi ramosissimi diffusi: foliis ternatim v. quaternatim **verticillatis** sparsive confertis patentibus linearibus, sub lente hispidulo-scabris convexo-planis, sublus sulco profunde exaratis. Flores in capilula terminalia multibracleala digesti, singuli in axilla bractee aridae squamaeformis arete sessiles. Squamae fulvae. stamina longe exserta stylique **rubi-**ginosi. (Charact. amplificat.)

1. ^a C. ALBUM Don 1. c. — A. Gray ex Flora (B. Z.) XXXII. 692. — *Empelrum album* Linn.' Spec. pi. 1450.
2. C. CONRADI Torr. mss. in A. Gray, Manual of the bot. of the Unit. Staates 410. ~ Diffuse ramosum glnbriusculum: drupis niinimis; foliis sparsis v. subverticillatis anguste linearibus. — A. Gray, Ghloris Boreal. Americ. tab. 1. ft Flora (B. Z.) XXXH. 692. — *Oakcsia Conradi* Tuckerm. — Hook. Icon. pi. 1**ab**. 531. — *Tuckermannia Conradi* Kltzsch. — *Empetrum Conradi* Torr. — Habitat in pinetis siccis Americae aep- tentnonalis.

Ordo CCn. EUPHORBIAGEAE R. Br.

(findl. Gener. plant, p. 1107; Suppl. I. p. 1424; Suppl. II. p. 86. ft 109; Suppl. III. p. 97; Suppl. IV. i_a p_a 86. — Meisn. Gener. pi. vascul. I. 336. II. 249. 369. — Wlprs. Annal. I. 613.)

Tribus I. *EUPHORBIEAE* Bard. — Endl. Gen. pi. p. 1108.

5766. EUPHORBIA Linn.

(Adr. Juss. Euphorb. 57. tab. 17. fig. 61. — Rooper, Emuraer. Euphorb. 1824.4. Gftttingen. — Wlprs. Annal. I. 613.)

I. ARBOREAE.

- * EU. OBOVAMFOLIA Acb. Richard, Tent. flor. Abyssin. II. 239. — Caule erecto carnosio angulato ramoso, angulis tuberculalis, tuberculis bispinosis; spinis subulatis uncinatis robustis; foliis in angulis nascentibus solitariis, tuberculo impositis obovatis spatulatis obtusissimis tenui-membranaceis, margine integris, basi sensim ac sensim attenuatis et quasi peliolalis, 272—3 uncias longis, unam unciam latis glabris. — Habitat in Abyssiniae locis arenosis provinciarura Choho et Chire.
- K EU. TUCKEYANA Steudel mss. ex B. Webb in Hooker, Nitjer Flora 177. f — Arborescens: ramis crassis fuscis, cicatricibus foliorum notatis; foliis ad apicem ramorum oblongis vel oblongo-lanceolatis obtusiusculis vel subacuminatis, margine membranaceis obsolete sinuatis, basi in peliolum attenuatis vel subsessilibus glabris, floralibus amplis obconato-vel tetragono-ovatis; involucri campanulato-tubulosi limbo quadrifido, laciniis oblongis, apice bifidis, glandulis quadratis ad angulos brevissime bidentatis vel sublunatis bidentatis; staminum bracteis (perianthii masculi rudimentis) basi inter se connatis, laciniis filiformibus pectinato-dentatis; ovario ovato; capsula triquetra - peltata vel elongata - ovata; semine iusco marraorato, epistomio medio-cre pileato. — *Eu. arborea* Chr. Sm. — Crescit per totam ins. Sli. Vincentii ab alt. 200 ped. usque ad montiura cacumina et alt. 2500 pedum.
- ³. ED. EREMOPHILA AH. Gunn. in Mitchel, Journal of tropical Australia pag. 348. adnot. — Fruticosa: ramulis fastigiatis foliisque parvis linearibus dentato-serratis glabris; capsulis globoso-triangularibus laevibus glabris. — Crescit in Australia orientali **top. ca.**

II. HERBACEAE.

(Plantae annuae et perennes, quoad sectiones saepius non satis notae.)

a. Europaea.

- ⁴. EU. SIMPLEX Koch, Linnaea XXI. 730. f — Annuam glaberrimam glaucescentem simplicissimam: folia elongato-lineariter acuta deorsum; umbella simplex quinqueradiata, radii et

pedunculi axillares simplices, bracteis cum foliis exacte congruentibus aut latioribus, sed nunquam basi cordata instructis fulva involucri phylla ovato-triangulata acuta, cornua discorum antherodiu elongata, capsula et semina ignota — Ad *Lesula* pertinet — Crescit in finibus

b. *Astaticae.*

- 5 EU LASIOCARPA C Koch, *Monocotylae* XXI *Til* f — Divaricata pilosa * folia opposita oblonga sessilia, inferiora ex aequo ad basin angustiora et integra, superiora vix serrulata, (lores in dichotomia ramorum solitaria, antherodiu disci oblongi stipitati, lacinus multo majores, germen albo-villosum — Ad *Tithymalum* pertinet — Crescit in Onenien
- 6 EU DEFENSIFOLIA C Koch I c 7W f - Glaberrima caulis strictus simplicissimus, foliis oblongis, subovo in petiolum attenuatis dense obtusis, pedunculi laevissimos simplicis, apicales umbellam 3—5-radialium formentem, folia floralia et involucri phylla lanceolata serrulata, involucelli phylla cordato-vel ovato-acuminata serrulata antherodiu disci transverse oblongi capsula et semina ignota — Ad *Tithymalum* pertinet — Crescit in Georgia
- 7 EU MURICATA Bieb. Fl. Taur. Gauc. I 378
(§. *Wilhelmsiana* G Koch, *Monocotylae* XXI 725 f— Caulis laevissimus pilosus ramosus, rami simplices, foliis ovatis obtusis instructis, folia caulina pilosa, superiora pleuraeque glabra, brevissime petiolata, 3 poll longa, 1/3 poll lata elliptica, inflorescentia dichotoma, involucri phylla subtriangulata laevia acuta nervosissima, antherodiu disci ovati substipitati, lacinus oblongis pilosis adhaerentibus; capsula sphaerica, venis oblongis instructa, semina laevia — Ad *Tithymalum* pertinet — Crescit in Onenien.
- 8 EU OBLONGIFOLIA G Koch I P 726 f — Caulis simplicissimus glabrescens aut pilosus, folia oblonga acuta, margine subundulato, subrevoluta ideoque denticulata, supra glaberrima, infra villosa, petiolo breviter villosa instructo, umbella 5—multiradiata, latus dichotomicus, involucelli glaberrima connata, disci antherodiu atropurpurei, cornua longissimis intervallis se attingentibus instructi — Ad *Esula* pertinet — Crescit in Onente boeotica (circa Brassam)
- 9 EU GLABERRIMA G Koch I c 726 f — Glaberrima perennis caulis crassiusculus ascendens simplicissimus, folia laevia lineari-oblonga, basi sessili subundulata, apice acuta, densa, involucelli phylla oblonga, involucelli contra connata, paleam concavam foemantia, pedunculi bifidi antherodiu disci bicones Julii aequantibus, capsula et semina ignota — Ad *Lesula* pertinet — Habitat in Onente boreali
- 10 EU SYSPERLANSIS C Koch I c 727 f — Gluco-flavescens glaberrima caulis ~~strictus~~ sulcatus-siriatu* simplicissimus, folia elliptica, apice acuminato-pungentia et integerrima quinquenervia concava, involucelli utriusque phylla laevia cordata acuminata; umbella quinquenervia, antherodiu disci oblongi aequantibus — Ad *Esula* pertinet — Crescit in Onente boreali
11. LU RLPENS r Koch I c 728 f — Repens strobilifera simplex glaberrima folia inferiora lineari-oblonga, superiora lineari-lanceolata, ramulorum brevissimo¹⁰¹¹¹ linearia, omnia acutiuscula, margine integerrima, (in sicco statu) subobovata opacissima umbella 5—8-radialia, involucelli phylla laevia cordato-triangularia acuminata, antherodiu disci bicones atropurpurei — Ad *Lesula* pertinet — Crescit in Onente boreali
- 12 LU CORIACEA G Koch I c 730 f — Glauca, pluncaulis aut inferne ramosa ^{I*} concaeva guberna integerrima, caulium et ramulorum striatum angustissime lineari-lanceolata densiora, fertilia lineari-oblonga, superiora lineari-lanceolata ^{art-} obtusiuscula; involucelli utriusque phylla ovata-lanceolata, umbella 5-radialia, radii ^{art-} iterato-bifidi,

calathidii tolitarii sessiles, extremis exceptis; antheridii laciniae bi—triflidi, interdum staminiferi, inter anteriores disci brunnei sublunati; capsula magna; semina laevissima. (??) — Ad *Esulam* pertinet. — Crescit ad Araxen in prov. Eriwan.

13. EU. PARVULA G. Koch 1. c. 731. f — Hal — bipollicaris annua glaberrima glaucescens simplicissima: folia omnia joblonga, in petiolum attenuate, apice rotundata, paene emarginata et interdum apiculo inaructa; calathidia axillaria, breviter pedunculata rariflora; antheridii disci stipitati aublunati, inter lacinias lenues positi; capsula laevissima; semina laevia subtetraSdra. — Crescit in Armenia Rossica.

c. *Africanae.*

14. ED. REPETITA Hochst. mss. in A. Richard, Tent. dor. Abyss. II. 240. — Glabra glaucescens: caule erecto bipedali ramoso tereti; foliis alternis exstipulatis lanceolnlinearibus acutis, basi sensim in petiolum brevem attenuatis, margine integris membranaceis; umbella decomposita ramosissima dichotoma; foliis floralibus oppositis ovalibus sessilibus, basi obtusis, apice vix acutis mucronulatis; iloribus in axilla foliorum supremorum solitariis breviter pedicellatis; squamis emarginato-bicornibus; capsula (granum piperis aequante) ovoidea obtuse triquetra glabra laeviquo. — Habitat in Abyssinia regno Choa et provincia Ouodgerate.
15. EU. OILATATA Hochst. mss. in A. Rich. 1. c. 240. — Erecta glabra glaucescens: caule tereti a basi ramoso; foliis alternis approximaUs exstipulatis sessilibus, anguste linearibus obtusiusculis glabris; umbella terminal! pluriradiala, radiis inferioribus superpositis axillaribus; foliis Qoralibus oppositis late cordatis integris, apice submucronulatis; squamis latis arcuatis bicornibus; capsula glabra laevique. — Habitat in Abyssinia provincia Semiene, in monte Bouahit.
16. EU. PETITIANA A. Richard I. c. p. 241. — Erecta glabra glauca: caule ramoso vix pedali; foliis alternis conferlis exstipulatis spathuloto-oblongis glaucis, apice obtusis mucronulatis, oculo armato subdenticulatis; umbella saepius 3—5-radiata, radiis trichotomis; foliis floralibus late ovalibus obtusis, apice mucronatis, basi paulisper unguiculatis, oculo armato deniiculatis; squamis quasi truncatis lateraliter hinc et illinc apiculatis; capsula ovoideo-oblonga, obtuse trigona glabra laevi. — Habitat in Abyssinia regno Tigre.
17. EU. OEPAUPERATA Hochst. mss. in A. Rich. I. c. 241. — Glabra: caule a basi ramoso tereti sesquipedali; foliis alternis lanceolalis acutis, basi sensim anguslatis et quasi subpeliolatis glabris glaucisque; umbella simplici, saepius 5-radiata, radiis simplicibus brevibus aut elongatis dicholomis, foliis Qoralibus late ovalibus sessilibus, apice subacuroinaie; squamis latioribus quam longis subreiformibus obtusissimis integriis; calyce inclus villoso; capsulis immaturis subtuberculatis. — Habitat in Abyssinia monte Selleuda.
 a. umbella simplici.
 P- umbella subdichotoma.
18. EU. SCHIMPERIANA Hochst. mss in A. Rich: A. c. 242. — Annua erecta glabra glaucescens: caule a basi ramoso tereti; foliis alternis sessilibus lanceolatis obtusiusculis et submucronatis integris; umbella 3—5 - radiata, radiis dicbotomis; foliis floralibus sessilibus late ovalibus acutis, basi truncatis; squamis arcuatis aculis; capsula ovoideo-tricostata, glabra laevi. — Habitat in montosis provinciae Ghire in Abyssinia.
19. EU. MONTICOLA Hochst. mss. In A. Richard 1. e. 242. — Annua erecta glabra glaucescens: caule simpliciusculo spiihamaeo; foliis alternis exstipulatis lanceolatis acutis integris; umbella trirodiata pauoiAora, radiis subsimplicibus; foliis floralibus raaximis late cordatis awsilibiu aculis iniegria; floribus solilariis; squamis arcuato - aemi-

lunatis, utrinque acutis, capsulis » _ Habitat in Abyssioiae montibus prope Tchelatchcrane

- 20 EU CONVULVULOIDES Hochst mss ex Bnth in Hooker, Niger Flora 499 f — *Ileibacea stipulata* prostrata ramis villofis, foliis oppositis sessilibus ovatis oblongisve, basi valde obliquis crassiusculis, supra vinctibus parce pilosis, subius appresse tomentosis, flonbus in capitula axilhm scssilia, nunc*in lamulos breves foliatos abeuotia confertis, involucri dentibus exleiiionibus orbiculato - remformibus parvis, capsula denso lomentosa, semibus subtetra^oniti transverse lugosis — Ad *Anisophylla* pertinet — Crescit in Africa tropica occidentali
- 21 EU INALQUILATLRA Sonder, Linnaea XXIII 165 f — *Anoua dj/Tusa* glabra caulibus debilibus angulatis subramosis, stipitiis setaceis, foliis oppositis brevissime petiolatis obovato-oblongis obtuse, hast maequilatis, marginibus inferioribus anticeque acute serratis, margine superiore subintegerrimo vel semiserrato, flonbus axillaribus solitariis, capsula semibusque laevibus glabris — Ad *Anisophylla* pertinet — Port Natal

d Amencanae

- 22 CU DISCOLOR Oertolom in Schlicht Bot Zeitung IX pag 919 f — *Caule erecto simplici pubescente foliis linearibus, breviter petiolatis discoloribus, panicula terminali dichotoma elongata, perigonii segmentis grandiusculis petaloideis* — Alabama
- 23 I U GEYCR1 Engelm Boston Journ V 260 adn f — *Depressa humilis* foliis oblongis relucis integerrimis glaberrimis, stipitiis selaceo - muluifidis, involucri appendicibus petaloideis semibus minoribus quam in *L. polygomjolta* cinereis — Illinois, Missouri
- 24 EU ARKANSANA Engelm ft Gray, Boston Journ V 261 — *Annua gracilis glaberrima caule erecto ramoso, foliis spatulato-obovatis, apicem versus serrulatis mucronato-icutilibus, sessilibus, inferioribus in petiolum angustatis, umbellae tricholomis bis dichotomis, bracteis rotundatis subcordato - ovatis mucronatis serrulatis, glandulis involucri (antheriacis) orbiculatis, capsulis verrucosis, semibus (bimernis) reticulatis* — Habitat in republica Texensi
- 25 EU BILOLOR Engelm Boston Journ V 233 — *Annua caule erecto, inferioribus bracteisque undique villosis sive pilosis, foliis sessilibus oblongo-lanceolatis vel linear-oblongis cuneatis, basi obtusis bracteis hinc hinc elongatis, basi attenuatis, margine membranaceo decolorato - albidis glandulis involucri villosi margine petaloideis suborbiculatis, capsulis dense lanatis, semibus sparsim rugulosis*
- P concolori* marginibus decoloratis bractearum angustissimis aut subnullis, foliis linearibus — In republica Texensi
- 26 EU ROLMERIANA Scheele Linnaea XXII 151 + — *Gaulis ascendens herbaceus teretiusculus glaber a basi ramosus pedalis—sesquipedalis folia alterna exstipulata obovato-spathulata, inferius subrotundo-spathulata, utrinque glabra, in petiolum abrupte angustata emarginata mucronulata, apice serrulata, subius glaucescentia Umbellae triflorae rami dichotomi glabri elongati Involucra libera subrotundo - ovata emarginata glabra, pagina inferiori glandulis paucis minutis atrosanguineis obsita Involucra connata semiorbiculata mutronata glabra obsolete serrulate, pagina inferiori glaucescentia Glandulae (in sicco sanguineae) biconicae Capsulae glabrae laevis cocci doiso caiman Stamina glabra tuberosa cernua canosa — Crescit in sylvis umbrosis prope Neubaunfols in Texade*
- 27 h/ LONGICRURIS Scheele I c 152 f — *Caulis herbaceus erectus simplex teretiusculus glaber foliosus Folia alterna exstipulata obovato - cuneata truncata vel obscure*

- emarginata mucronata integerrima vel apice obsolete serrulata, utrinque glabra, pagina infera plerumque glandulis paucis elevatis atrorsaagumeis obsita Pedunculi axillares alterni glabri angulati sub-3—4-flori Involucella transverse latiora reniformi-semiorbicularia glabra, nervo excurrente mucronata Glandulae bicornes vides, cornua erecta elongata Capsulae glabrae cocci transverse venosi, dorso canati Semina glabra teretiuscula obovato-ovalia glauca pulcherrima & scrobiculata — Crescit in Tezade prope Neubraunfels
- 28 EU FLEXICAULIS Scheele 1 c 153 f — Radix multicaulis perennis, caules repentes tenues flexuosi stoli glabri ramosissimi, rami dichotomi Stipulae intrapetiolares membranaceae albae, apice laciniatae Folia parva opposita petiolata carnosa ovali-subrotunda integerrima marginata glabra, basi obliqua obtusa Flores axillares solitae minimi pedunculati Glandulae petaloideae albae integrae Capsulae glabrae laevis cocci dorso carmani Semina obovato-elliptica triquetra glabra laevia, sub lente minutissime alutacea — Crescit in Tezade prope Neubraunfels
- 29 FT] RU PIC OLA Scheele 1 c 4 — Radix poirensis imbriculis Caules procumbentes breves angulati glabri ramosi, rami dichotomi Stipulae intrapetiolares subulatae. Folia parva opposita longe petiolata carnosa ovali-ovata, basi suboblique cordata glabra integerrima obtusa Flores apice ramorum axillares solitae Glandulae integrae transverse ovals auantiaceae Capsulae glabrae transverse rugulosae cocci dorso canati Semina cinereo-alba obovata trigona glabra laevia — Crescit in rupibus prope Neubraunfels in Tezade
- 30 EU VILLIFERA Scheele 1 c f — Radix perennis multicaulis Caules graciles erecti teretiusculi villosissimi ramosi, villi albi elongati horizontaliter patentes Stipulae intrapetiolares villosissimae Folia opposita petiolata ovali-ovata, basi obliqua integerrima obtusiuscula villosa, sublim pallidiora vel purpurata, folium paria lemota Flores solitae axillares pedunculati Glandulae integrae Capsulae ? — Crescit prope Neubraunfels in Tezade
- 31 EU KLOTZSCHIANA Miq. Stip. Sutinam select 95 f tab 28 — Lraecta humilis, basi sultruticosa, caeterum herbacea, caule subtereti cum petiolis folisque infera sublim subretorse villosulo, sursum ramoso glabro, foliis oppositis, inferioribus brevissime petiolatis oblongis acutiusculis, basi inaequali cordatis subquadrangulis, tons serrulatis, superioribus paulo longius petiolatis lanceolatis, superiore praeter apicem integerrimis, fere glabris, inflorescentiis latulosis terminantibus subcymosis, involucro campanulato, lobis quinque extensibus obovato-rotundatis redexis, basi inclusis glandulas transverse oblongas ocludentes produclis, infera alternis erectis lanceolatis serrato-incisis, staminibus brevibus, Oore foeminae solitae exserto, stigmatibus brevibus laterisculis, capsula ovoidea glabra — Crescit in Surinam, »n arenosis juxta fluvium Marrowyne

f Icon addenda.

EU COROLLATA Linn — A Gray, Manual of the bot of the Unit States 405 no 6 — Torr Flora of New York II 175 f tab 99

5768. BALECHAMPIA Plum

(Plum Gen 38 — Adr Juss Euphorb 55 tab 17 fig 59)

- 1 D CORDOFANA Hoohst mss in A Richard, Tent flor Abyss If 244 — Caule volubili tereti hirto; foliis longe petiolatis, fere usque ad basin digitato-tripartitis, lacinis

- oblongo - ellipticis acuminatis, margine obsolete dentatis subpubescensibus, lateralibus basi valde Inaequilateris; involucri communis foliolis exterioribus 4 linearibus, inferioribus 2 maximis, tenuibus trinerviis reticulato-venosis, apice acute trifidis, margine dentatis pubescentibus; pedunculis petiolo subaequalibus; florum masculorum involucro proprio cyathiformi monophyllo glabro; sepalis ovalibus crassis; florum foemineorum stylis apice subincrassatis; stigmatibus subsimplicibus terminatis. — In Abyssinia provincia Cbiae.
2. *D. SENEGALENSIS* A. L. (f?) in Hooker, Niger Flora pag. 174. f - Caule volubili pubescente striato; stipulis ovato-lanceolatis hirsutis acutis integerrimis; foliis fere ad basin trilobis, lobis lanceolatis acutis, margine argute denticulatis, subtus grosse nervoso-reticulatis, pube spissa utrinque tomentosis, inferioribus saepe lobulatis; involucri foliolis rotundato-ovatis, apice breviter trilobato-dentatis, denibus ovato-lanceolatis denticulatis, utrinque tomentosis grosse quinquenerviis, appendiculis stipulaceis 4 lanceolatis acutis tomentosis; florum masculorum involucello longe pedunculato cyathiformi truncato grosse crenulato; floribus masculis pedicellatis; pedicello flore longiore glanduloso, basi bracteato, bractea lanceolata acuta; antherarum subsessile fasciculo longe stipitato, calycis laciois lanceolatas excedente; florum foem. intolucelli diphylli foliolis late ovatis fimbriatis; floris intermediis longius pedicellati calycis novemlaciniatis lateralium sexlaciniatorum laciniis lanceolatis pinnatis, pinnis glanduloso-hirsutis; ovario orbiculari-depresso cum stylo glanduloso-hirto; stigmatibus obliquo obsolete triangulari, florum pedicellis cum calycis laciniis papposis longe accretis; capsula orbiculari-trigona depressa hirta. — In insula Sti. Jacobi & in insulis Promontorii Viridis.
3. *D. IPOMOEAEFOLIA* Oenb. in Hooker, Niger Flora 500. -f — Foliis cordatis integris trilobisve membranaceis, subtus ad costas, petiolis caulibusque pilosulis; stipulis linearilanceolatis; involucri foliolis integris acuminate subglabris; stylis apice clavatis. — Crescit in Africa tropica occidentali.

Tribus II. *HIPPOMANEAE* Bartl. — Endl. 1. c. p. 1109.

5769/. *SPIROSTACHYS* Sond.

(Sonder, Linnaea XXIII. 106.)

Flores monoici. *Masc*: Amentum cylindricum, dense multiflorum, squamis imbricatis, unifloris, spiraler dispositis. Calyx bractea inclusus, 4—5-foliolatus, foliolis obtusis. Filamentum unum exsertum, apice triantheriferum, antheris adnatis, bilocularibus, extrorsis. *Foem. fl.*: aⁿ basin ameni masculi solitarii vel bini pedicellati. Calyx tripartitus vel subtriphyllus. Ovarium triloculare. Gemmulae in loculis solitariae, pendulae. Stylus crassus. Stigmata 3 crassa, recurva. Fructus ... ? ~ Arbor Australi-Africana, 40—60-pedalis: ramis patentibus glabris; foliis alternis petiolatis simplicibus, membranaceo-coriaceis glabris; amentis praecocibus paniculatis.

1. *SP. AFRICANUS* Sonder 1. c. f — Ramis teretibus, ramulis sulcato-striatis; foliis ovalibus, acumine obtusiusculo submarginato, crenato-dentatis, pinnis nervosis, basi angustatis; panicula terminali; ovario glabro. — In Promontorio foeminae sp. L.

5777. HIPPOMAUHE *Linn*

(Linn Gen pi no 1088 — Adr Juss Fuphorb 51 lab 16 fig 54)

¹ * H BIGLANDULOSA Linn Amoen acad VIII 463, Spec plant p 1431 (excl syn Plum) — Miqu Stirp Surinam select 97 f tab Z9 — *Sapium Hippomane* Mey Esseq 275

5777A OPTH \L.MOBL, tPTOUT *Allemão*

(Allemão, Annal des scienc nat [Sei 3] XIII 119)

Flores unisexuales monoici Pedunculus axillans indivisus brevissimus, ^{olcatncibus} circumnotatus, floies masculos in amentum unicum, vel raro dupplex, ^{veI tnplex dls P oslto} s el foemmeum solilaiium sustmens ^{Amei} m rhachis sesqui — bipolhcans sensim ad apicem incrassata glabra, ^{bas} ^{bract colls} scanosis suflulta *Floies mascuh* sene unica vel raro ^{trans} ^{ic} ^{au} ^{tr} ^P ^{ICI} ^{radlatim} dispositi. sessiles, arcte conjunct! apertura transversa osculum simulanli, e rachidis gemmis emergentes, ^{le} ^{grandiores} inde ad latera minores » sene pnmana vulgo septeni. ^{oil} ^{um} ^{ext} ^{emi} ^{im} ^{perfect} ». senebus secundams, cum adsunt, singulim ^o ⁴ ^{vel} ⁴ » cum pnmanis alternantes, semper mmores aut atrophifloscus ^{us} monandrus Peuanhium simplex monophyllum urceolatum ^{crassul} m carnosulum, apice depressum perforatum, colore albo-lutescens Mamen fundo perianth affixum exsertum, filamento subulato glabio incurvo, anthera didyma biloculan, loculis suboppositis, nma dehiscen ^{tibus}, luteohs *Flos foemneus* sohtanus sessilis, apice peduncuh ^{am} ^{enti} ^{bas} ^m ^{Sltus} . bracteolis scanosis, demum caducis stipatus. ^{je} ^{panthium} herbaceum crassum persilens, profunde 5—6-lobalum, ^{oh} ^{tf} ⁰ ^Y ^a ^{ibus} obtusis, lafcerahtei Imbricahs erectis, ovanum mtegrum ^v ^{entibus}, inter se aliquantulum inaequalibus, scilicet 3 maiores, 2 ^{con} ^u ^{res} ^{Plsillium} return, e carpophylhs tnbus conHatam, ovano ^{con} ^u ^{res} ^{Plsillium} tnloculan, loculis uniovulatis, ovulis anatropis ^{Pendulis} ^{axi} ^{lianbus} » ab ^{app} ^{end} ^{ice} semicalyptraeformi, plexum ^{cellulosu} m conductoieim contnuanti apice tectis, stylo crasso longo ^{tereti}, cum ovano contnuo ad extremitatem turgido, intus ca\ato, ^{apice} poroso, poro sive apertura tnanpulan, a denticulis tnbus, stig ^{aut} ^{us} scilicet, facie papillosis conformata, ad integrum persistenti ^{ru} ^{clus} capsuans tnsultatus, apice depressus, stylo persistenti muni ^{as} ^{si} ^{bas} ^{calyce} sutfultus, a pedicello bievi crasso aucto subtentus, totus ^{semival} viridu,, dernum nigiescens tncoccus, coccis monospermis, in ^{sin} ^{ul} ^{he} ^{simul} ^{que} ⁱⁿ ^P ^{artes} ^{duas} ^{dissolvuntur}, nempe epicarpium tenue ^{fragile} ^{elastice} nigrum et endocarpium osseum, colore album sub dehiscencia ^{datum} contortum, giana projiciens Semen inveisum axillare subrotundum ^{zam}, dorso convexum, fane hinc et inde planiusculum, basi ad chala ^{depressum} Integumentum crustaceum gnseo-brunneum, elements Iribus compositum, extenore tenui celluloso spongioso, mediano ^{crus} ^{laceo} fragili biunneo colore, interiori membranulaceo laxo' caiun ^{cola} ^{nulla} Embiyo albumme crasso oleaginoso conditus ^{colv} ^{ledonibus} fohaceis cordiformibus, radicula bievi conica ^{su} ^{den} ^{hi} ^u ^{spectanti}, gemmula mconspicua - Arbor plus quam 50-pedalisi ^{trio} ^{IS}

ad 20—25 pedes alto, diametrum sesquipedalem attingenti; cortice cinereo rimoso; ligno albo molli; ramis longis patentissimis simplicibus aut parum divisis, ad extremitates incurvis, alternis remotis, comam raram, fere pyramidalem efformantibus, ad apices digilum crassis, cuti viridi glabra indutis. Lac albo-lutescens densum, admodum acre e corlice aliisque partibus hujus arboris incisione profluit. Folia alterna, apice ramulorum conferla petiolata magna, inter se magnitudine et forma variantia, hinc inde glaberrima, petiolo 3—6-pollicari et amplius, tereti rigido, basi et apice turgidulo, limbo oblongo, plus quam 12 pollices saepe assequenti longitudinis, 2—3 latitudinis, basi vel rotundato vel frequentius acuto, aut cuneiformi, apice acuminato vel fortuito emarginato, ambitu serrato, dentibus obsoletis, coriaceo, superne nitido, saturate viridi, subtus dilutione, nervo medio dorso prominente, lateralibus parallelis, fere transversis, venis reticulatis. Stipulae brevissimae Jatae obtusae unguiformes caducae.

1. *O. BRASILIENSIS Wlprs. mss. — Habitat in Brasilia in sylvis ad mare jacentibus prope Rio de Janeiro.

5780. *STH,L,IJ*TCU%* Garden.

(Garden apd. Linn. Mantiss. no. 1279. — Adr. Juss. Eupborb. 49. t. 16. — Wlprs. Annal. I. 621.)

1. ST. GUINEENSIS Bntb. in Hooker, Niger Flora 501. f — Foliis ovali-oblongis ellipticisve acuminatis integerrimis paucidenatisque, basi rotundatis angustatisve; spicis subsimplicibus; floribus masculis plerisque solitariis trifidis triandris. — Crescit in Sierra Leone.

5781A. *ODOHTTCSIIIiEJUEA* Turcz.

(Turcz. Flora [B. ZJ XXXI. 714.)

Flores dioici. Calyx tripartitus, corolla nulla. Mas: Filamenta plurima receptaculo minuto globoso insidentia brevia, antheris bilocularibus longitudinaliter dehiscentibus. Foem.: Ovarium triloculare, loculis uniovulatis, ovulis carunculatis. Stylus columnaris, supra basin tripartitus, laciniis filiformibus integerrimis longissimis, apice stigmatosis. — Planta, ut videtur, frutescens villosa: foliis alternis subsessilibus obtusis, grosse serratis penninerviis aut approximatione nervorum inferioribus subquintuplinerviis; floribus in spicas terminates densissimas collectis* spicis masculis multo tenuioribus; floribus brevissime pedicellatis solitariis ebracteatis, lana rhacheos immersis, floribus foemineorum bracteis magnis ovatis grosse dentatis occultatis, sub quaque bractea solitariis. Habitus fere nonnullarum *Acalypharum*, a quibus calyce tripartito et praesertim stylis basi indivisis, dein in lacinias longas filiformes integerrimas, nee irregulariter laciniatas partitis discernitur. Nomen e ~~pac~~ ^ dentatis derivatur.

1. *O. CLAUSSENH Turcz. 1. c. - Crescit in Brasilia.

Tnbus III *ACALYPHEAE* Bartl — Endl 1 c. p 1111

5782 TBAGI4 Plum

(Plum Gen 14 ft Icon tab 252 — Adr Juss Euphorb 47 tab 15)

- ¹ TR TENUIFOLIA Bntb m Hooker, Niger Flori 502 f — Volubilis foil is petiolatis cordato-oblongis acuminatis membranaceis, supra sparse, subtus densius piloso-pubescentibus, bracteis late ovatis, flons foemini calyce sexpartito, lacinus cunealis hirsutissimis integns subdentatisque — Ciescit in msula Sti Thomae ad oram Afnae tropicae occidentals
- ² TR SPATHULATA Bntb 1 c 502 + — Volubilis folns petiolntis cordatis acuminatis membranaceis, supra pilosis, subtus pubescentibus, bracteis oblongis lineanbusve, flons foeminei calyce sexpartito, lacinus integns stipulatis late spathulatis hirsutis — Crescit in Cape Coast in Africa tropica occidentali
- 3 TR ANGUSTIFOLIA Bnth 1 c p 502 f - Volubilis folns breviter petiolatis longe cordato - lanceolaus puberulis vel subtus ad venas hispidis, bracteis ovaio-lanceolatis, flons foeminei calyce tripartito, lacinus latis profunde palmato - pinnaufldis, — Crescu m Africa tropica occidentali
- 4 TR NATALENSIS Sonder, Linnaea XXIII 107 f — Caule volubih pubesoenti-scabro, ramis petiolisque hispidis, folns cordato - ovatis acutis dentato - serratis, utrinque pilosis, racemis aiillanbus, flore Joemineo inflmo subsolitano, bractea lata denticulate •nvolucraio, calyce sexpartito hispido, lacinus pnnatifldis — Port Na(#)
- ⁵ TR MINOR Sonder 1 c 108 f — Suffruticosa erecta hirsute folns breviter petiolatis oblongo - lanceoldtis acutis, basi truncalis subcordatis serrato - dentatis, racemis axillatibus solitarus lolium subaequantibus, calyce femmeo majusculo sexpartito, lacinus pinnatifldis, capsula apice hispidula — In Promontono bonae spei (Magalisberg)
- ⁶ TR RUPLSTRIS Sonder 1 c f — Suffruticosa erecta ramosa caule pubescentle, folns alierms petiolatis profunde cordatis acuminatis, maequaliter serrato - dentalis, utrinque adpresse pilosis demum subglabns, racemis axillanbus solitarus gracillimis, folio longionbus, calyce foemineo sexpartito, lacinus pinnatifldis, cnpsula hispida
P *glabiala* Caule ramisque glabns, folns subtus hispidulisglabrisve — InPromontono bonae spei
- ⁷ TR DIOICA Sonder 1 c 109 f — Suffruucosa caule erecto hispidissimo, folns alterms petiolatis tnlobis lobo intermedio lanceolalo acuto subdentato, lateialibus abbreviatis anguste dentatis, jumonbus hispidis, adultis glabns, flonbus dioicis, masculis racemoso-spicaliis bracteatis, spica pedunculate multiflora, foeminets 4—6 in apice pedunculi spicatis, calyce foem sexpartito hispido, lacinus pinnatifldis — In Promontono bonae spei
- ⁸ ' TR CORDATA Vahl, Symbol I 76 - Willd Spec pi IV 322 - A Rich Tent fl Abyss II 244 — *Tragxa milts* Hochst mss

5782/j. PYCUFFOCOFIA Bnth.

(Bnlh in Hooker, Niger Flora 508)

Hores monoici. Mascuh racemosi. Calyx qumquepai Utus, lacinns aestivatione subvalvatis, per anthesm arete reflexis. Corolla nulla,

Stamina numerosissima, disco carnosio pulvinato inserta, filamenta filiformia libera, apice incrassata, antherae parvae globosae, loculis parallelis ad apicem filamenti transverse adnatis. Flos foemineus ad apicem racerni solilanus sessilis. Calyx quinquelpartitus, laevius patentibus. Corolla nulla. Ovarium sessile uniloculare, ovulis solitariis. Stylus eiectus, ad medium infidus laminae leucis summo apice peltato-stigmatifens. Capsula tucocca, coccis (1mahibus?), dorso obtuse bicostatis.

1 P MA (ROPIIYI) [A Dnth 1 c — Arbor octopedalis, trunco tenui nudo, coma densa folioium termmatio. Ramuli (trassitip digm minons) glabni. Folia ad summities conleita sessilia, l/r—2- pedalia obovali - otlonga acuminate, basi longissime angustata, mteggemma vel obsolete sinuala membranacea pennnervia glabra, subtus pallida, eglandulo^a. Stipulae lineari - Unceolntne, mox deciduae vel oblitteratae. Racemi in axillis supiemis solitnrn, vix semipedales, ihachide glabra vel pills paucm conspersa bracicac orbitulatio - concavae, 2 hn Intae carlilagineae, extus adpiesse tomentosae, secus iliQchm dissitae, infenores stcnles. Floies mastuli intra bracteas superiores solliarn gemini vel term, pedicello 6—8 lin longo fulti. Calyx roscus, lacimis late oblongis, 3 lm longis membranaceis, obiusis vnl acuumsculis, in pedicellum arete relicxis. Stamina eolyce dimidio longioia. Floris foemnei laciniue calycinae quam in mtio angut>tiores crassioresque, ddpressc puberulae et apice tomentosae, patentes sed non rellexae. Ovarium lomentosum. Stjlus fere glaber, infia divjsionem 2hn loDgus, ramis paulo longioribus — Habitat in insula Feinando Po.

5782,4 MICROCOCCA *Bnth.*

(*Bnth* in Hooker, *Niger Flora* 503)

flores monoici. *Mas*: Calyx tripartitus, lacinnis aestivatione valvatis. Stamina sex, filamentis liberis receptaculo insertis cum pilorum fasciculis (seu squamelis plumosis?) intermixtis, antherarum loculis ovoideo-globosis crectis discretis. *loem*: Calyx mans (semel abnorme MSUS quadripartitus). Squamae tres, lineares, e receptaculo oitae, ovano appressae. Ovarium subnlobum uniloculare, ovulis in loculis solitariis lateraliter affixis. Sigmata tna, sessilia plumosolamosa. tructus (saepius hibpidus) tncoccus, coccis bivalvibus — Ileiba annua, Indica vel Africana. folns altemis, stipulis mconspicuis. Floies pai\i in racomos hlifoinies dispositi, ad axillcs bractearum fasciculati, locmnci intia quemquam bracteam soljtain, longiuscule pedicellali, mascuh e\ eadem bractea pauci, pedicellis brevissimis.

1 'M MLRCLRIALIS Dnth 1 c p 503 — *Tiaym Muuitalis* Linn Spec pi 1391 — Ciescit in montibus Quona piope Palch cl Stilling Africae tropicae occidentalis et communs in India orientali.

5784. PL.UKEHTETIA *Plum.*

(*Plum Gen* 4? tab 13 ft *Icon* tab 226 — *Adr Juss Euphoib* 4?)

1 PL AFRirviNA Sonder, *Lmnaea* XXIII 110 f — Fruticosa ramis pubescentibus, folns bie\iter pBtiolatis oblongo - tngulaiibus, basi subcoidatis lulobisve dentalis pubetulis, dcinum glabn^, noivis lubescentibus, raccmis a\illanbus foliaaequantibus; floubusinasc numeiosis, foemneo unico lnlmo, calycequadiipaililo, stylo brevi, sl'ffmaic quadnlobo, capsulae coccis verruculosi margme subcorapressis, medio appooidicibus Z brevibus foliaceis obtusis, basi decurrenlibus auctis — In Promontono bonae spei (Magalisberg)

5786. *MERCURIUM* Linn

(Linn Gen pi no 1125 — Adr Juss Euphorb 46 tab 14 — Wiprs Annal I 621)

- 1 *M *TRICOCCA* E Mej — Sonder, *Linnaea* XXIII 111 — *Mercunahs Capensts Spr* — *M vtolnofolia* Knze — Wiprs 1 c n 1 — *Acalypha obtusa* Thnbrg
- 2 M *LADAMIM* Harlmann, *Tlora oder Allgem botan Zeif* XXXUI pag 334 — Laete vindis caule sitnplici, vel ranus supra medium ramoso, flonbus axillanbus, masculis racemosis, racemis pedunculalis, flonbus foemineis sessilibus solitarus \P1 raro binis Stigmata decidua Folia opposita petiolata ova*to - lanceolata seirata ciliata — Herba glabra — Habitat in Suecia ad sabunam e navibus advectis eiectam
- 3 M *PUMILA* Sonder, *Linnaea* XXIII 112 f — Annu glabernma caule humili diffuso a basi lamosissimo, folns alteinis longe petioldlis ovato - oblongis senalis, slipulis minutis, flonbus mosc triandns, foemiri axillaribuspediLellatispaucis aggiegatis, cahce irifldo, capsula dicocca glabra, semimbus nigrescentibus — In Piomontorio bonae spei

5786A. *DIPLOSTYMS* Sonder.

(Sonder, *Linnaea* XXIII 113)

Flores dioici, *Mas*: Calyx qumquepartitus. Corolla nulla. Stamina 10—12, filamentis libens medio articulatis, antherarum oculis globosis niscretis. *Foem.*: Calyx qumquepartitus. Corolla nulla. Glandulae 3 latae, sessiles, calycis lacimis oppositae Ovanura tnloculare, oculis uniovulatis Styh ties profunde bifidi Capsula laevis glabra tncocca, ^occis subglobosis bivahibus, monospcimis. Semina pendula, testa Crustacea foveolata. — Suffrutices vel herbae perennes Afnceae austrahs, glabrae: folns oppositis vel allernis, sdpulatis, petiolatis sessilibusv< \ wtegeinmis vel seiratis, flonbus axillaiibus teiminalibusque fasciculatis

- 1 D *ANGUSTIFOLIA* Sonder I c f- Erecta glabemma ramis virgatis alterms angulotis stnatis, folns alterms lineari-subulauis, supia canaliculatis, slipulis linear! - lanceolatis, basi flmbnatn, flonbus pedicellatis aggregalis, calycis lacinua lonceolalis acupinatis demum reflexis — In Piomontorio bonae spei.
- 2 'D *BUPLEUROIDES* Sonder I c 114 f- *Mercunahs bupleuroides* Meisn in Hook Lond jouin II 557 — Wiprs Ann bot syst I 622 no 2
- 3 'D *SERRATA* Sonder 1 c — *Mercurxalxs senata* Meisn I c
- 4 *D *CAPPRA* Sonder I cil 115 — *Acalypha acula* Thnbrg — *Mercunahs Caffra* Meisn I c

5787. *ACAIITPHA* Linn.

(Linn Gener pi no 1082 — Adr Juss Euphorb 45 tab 14 — Wiprs. Annal [622)

* *Monotcae spins masculxs basi foemxnexs*

- 1 A *FIMBRIATA* Hochst mss in A Richard, *Tent. flor. Abyss.* II 245 — Annu her bacea caule erecto subsimplici pubenti 1-2-pedali, folns alterms longe petiolatis

ovah-oblongis acuminatis serratis tenui-membianaceis, basi obtusis subquinqvenervis punctatis ciliatis, in nervis pilosiusculis spicis axillanibus gracilibus androgynis, flonibus foemineis 1—2—6—7 partem spicae inflam occupantibus, involucre cucullato, hinc flsso dissecto, lacinus hneanibus ciliatis — Habitat in Abyssinia provincia Chire

- 2 A ORENATA Hochst mss in A Rich I c p 246 — Annuca caule erecto simpliciusculo vix pedali tereu hirsute-, folns longe petiolatis ovalibus acuiis, basi acutis cronato - dentatis ciliatis* punctatis, subius in ncivo medio hirsulis, spicis axillanibus androgynis, in pirlis supenoie ma^culis, in parle infenoie foemineis, involucre convoluto, apice tiuncato dentato — Habitat in Abyssiniam agns prope Guendepa
- 3 A PLLGAMULV Hochst mss in A Rich I c p 248 — Annuca parvula debilis caule eiccto simplici *pithamaro pubenti, folns a leinis longe petiolatis ovali-oblongis «acuminatis, basi obtusis tenui-mimbianacis hntellu* ciliatis cronato-dentatis, spicis androgynis axillanibus solianis brevissimis, flonibus foemineis infenonibus 1—2 subsessilibus, mvolucu lacinnis hnceolatis ciliatis, capsula tricocca hirta, flonibus* masculis paucis minimis brevissime pedicellatis, axi spicae apice cyalho membranaceo hirto, margine flmbriato operculato termmato — Habitat in Abyssiniam rupibus herbis vallis Mezano
- 4 A PSILOSTA (HYA) Hochst mss in A Rich I c p 246 — Cnule basi suffrutescens erecto lamoso, ramis pilosis, loins alteris longe petiolatis ovalibus, apice longe acuminato - caudatis basi subcordatis margine aigute serratis hntellis, stipulis lanceolato-lanceolatis ciliatis, spicis axillanibus solianis aut geminis gracilibus eiongatis, androgynis, flonibus masculis numerosi&similibus minimis glomeulatis, flonibus foemineis 1—2 in parte spicae partem occupantibus sessilibus*, calyce 3—4-fido hirto ciliato, stigmatibus masculis ramosi* — A *liljoimis* Poir buppl ?' — Habitat in Abyssiniam provincia Sciene
- 5 A LEONARDEIIB finlh in Hooker, Nigei Flora 504 f — Fruticosa folus oblongis breviter el obtuse acuminatis subdentatis, basi longe angustatis glabris vel subtus ad costas puberulis, & spicis axillanibus gracilibus androgynis, biacteis paucis integris, infenonibus masculis, bupmonibus androgynis vel summis foemineis — Crescit in Sierra Leone, in Senegambia
- 6 A MICRANTHA Duth 1 c 505 + — Fruticosa folus obo^all - oblongis, vix obtuse acuminatis mtegeriinis vel raris denims glabris, spicis axillanibus gracillimis^ androgynis, biacteis^ minimis mte,ri6, infenonibus masculis, supenonibus androgynis — Crescit in Mena Leone et insula Fernando Po

* * *Monoicae* (lonbut foemineis > spicalis a masculis distmctis)

- 7 A ORNATA Hochst mss in A Rich Tent flor Ab)ss II 247 — Caule suffrutescens ramoso, ramis teretibus ramosis dense piloso-hirsutis, folus alternis longissime petiolatis late ovalibus, apice abrupte acuminato - caudatis, margine argute serratis pilosis, stipulis lanceolatis deciduis, spicis masculis axillanibus solitariis brevissimis aut eiongatis gracilibus, spica foeminea lermali densiflora, involucre late cordato plicato hirsuto, margine macqualiter flmbriato - dissecto, capsula parvula tricocca puberula bente — Habitat in Abyssinia juxta Adeibali et in praeruptis et vallibus angustis pi ope Tchelalchekanne
- 8 A ADENOTRIGLIA A Richard 1 c 248 — Caule lignoso ramoso, ramulis pilosis; folus alternis longe petiolatis ovalibus longissime acuminatis serratis, basi obtusis pilosis ciliatis, stipulis lanceolatis ciliatis, valda deciduis, spica foeminea tennipitata teiminatis, calyce insepalo, stigmatibus ramosis, capsula » — Habitat in Abyssiniam prov Ghire

- 9- A. VILICAULIS Hochst. mss. in A. Richard 1. c. 248. — Caule basi suffrutescente birto; foliis alternis petiolatis ovali - oblongis acuminatis, basi subcordatis, margine serratis, hirtis; stipulis lanceolatis acutis; spicis foemineis superioribus sabterminalibus ovoideo - capituliformibus densifloris; involucro calyciformi saepius quadripartito, laciniis acutis hirsutis; stigmatibus rubicundis ramosissimis; capsulis tricoccis hirsutis; spicis masculis axillaribus elongatis densifloris. — *A. hirsuta* Hochst. mss. — Habitat in Abyssiniae locis umbrosis convallis fluvii Tacazze et in declivibus versus vallem profundam Feurfera.
10. A. SIDAEOFOLIA A. Richard I. c. 249. — Caule frutescente ramoso; ramis teretibus tomentosis; foliis alternis petiolatis ovali-lanceolatis acutissimis, basi cordatis, margine serratis, superne birtis, subtus sericeo - tomentosus; stipulis lineari - subulatis acutis hirsutis; spicis masculis axillaribus densifloris hirsutis; spicis foemineis ovoideis densifloris glomerulatis; floribus aggregatis; calyce 3-partito; ovario sericeo - tomentoso; stigmatibus longissimis ramosis. — Habitat in Abyssiniae prov. Chire.
- 11- A. ANGUSTATA Sonder, Linnaea XXIFL 115. f — Suffruticosa dioica: caule herbaceo subsulcato piloso, pilis patentibus; foliis brevissime petiolatis lineari - lanceolatis nervosis remote denticulatis eglandulosis subpilosis ciliatisque, demum glabratis; spicis masc. axillaribus longe pedunculatis cylindricis densifloris; bracteis foliaceis; stigmatibus longo exsertis subfimbriatis.

P- *Qlabrata*. — Port Natal.

- 12» A. GLANDULIFOLIA Buchinger mss. ex Sonder 1. c. 116. f — Suffruticosa vel perennis; caule ascendente herbaceo simplici vel subramoso sulcato striato piloso vel glabro: foliis brevissime petiolatis oblongo-linearibus acutis glanduloso-serrulatis nervosis glabris; spicis masc. axillaribus pedunculatis, folio longioribus densis cylindricis; bracteis ciliatis; spica foem. terminali sessili solitaria; bracteis foliaceis; stigmatibus longe exsertis rubris subfimbriatis.

&• Caule piloso simplici.

• P« Caule glabro ramoso. — Port Natal.

- *3. A.? PETIOLAMS Sonder 1. c. 117. f - Arborea glabra: foliis longe petiolatis oblongo - ellipticis vel ellipticis obtusis crenatis; spicis masc. et foem. axillaribus gracilibus laxifloris; capsula echinata tricocca; stigmatibus 3 elongatis subfimbriatis. — Port Natal.

U- *A. POLYSTACIIYA Jcq. Hort. Schoenbr. II. 64. lab. 246. - Willd. Spec. plant. IV. 529.

(3- *laccra* Knze. Hort. Lips. sem. 1849. coll. p. 1. adn. — Differt spica ioeminea solitaria, involucris laccris nee partitis et foliis brevissime acuminatis obtusis. — In insula Cuba ad Sagua la Grande.

5790. C & AOXiriiOir *Adr. Juss.*

(*Adr. Juss. Eupborb. 43. lab. 14. — Wlprs. Anna!. I. 624.*)

1. CL. CORDIFOLIUM Benth. in Hooker, Niger Flora 506. f — Dioicum: foliis suboppositis petiolatis ovatis, marium cordatis, novellis inflorescentiaque lepidoto-tomentellis demum glabratis; racemis axillaribus simplicibus; floribus masculis quadripartitis, foemineis tr/partitis inappendiculatis. — Greacit in Africa tropica occidentali.

579b. AL. CHOR3TEA Soland.

(Soland ex Swartz Flor Ind occid II 1153 — Adr Juss Euphorb 42 tab 13 — Wlpris Annal I 624)

- 1 A CORDATA Bntb in Hooker, Niger Floia 507 f — Foliis ample ovatis, basi sinu clauso cordatiit subqumquenervus 4—6-glandulosis, subtus ad renas, ramulis petiohs-que hirtellis, spicis masculis aiillanbus pamculnlis, foemineis e romis annotinis pendulis simplicibus rmosisve, floubus oclandns, caljcibus bipartitis, lacinns subbifldis — *Schousboea cuidifo* Ua Schum fit Thonn Dcski p 4W — Crescit prope Aboh et in Sierra Leone
- 2 A HIRTLLLA Bnth 1 c 507 f — Foliis ellipticis oblongisve obtuse acuminatis re" mote dentatis ngide membranaceis penninervns \el basi sublunerviis, sublus, petiohs ramulisque Inisulis, ghndulis baseos obsoletis, spicis masculis gracilibus ramosis, foemineis simplicibus, flonbus octandns, calycibus bipartitis — Crescit in Senegambia, Grand Dassa
3. A PARVIFOLIA Miqu Linnaea XXII 797 f — Ramulis, petiolis pedunculisque lenere puberulis, foliis bieviter petiolatis lotundalo- obovatis, basi leviter emargmatis, apice rotundatis vel quam bievissime apicuhlis, i emote adpiesse subspmuloso-serrulatis, trinciMis a venosis, basi supra el sublus ghnrriulis 1—2 plants instructs, racemis masculis simplicibus filiformibus, folia superantibus Foem ign — Grescit in Brasilia prov. Balna

Tnbus IV. CROTONEAE Blume — Endl 1. c. p. 1113. ' **5805. JiTBOPHA Linn**

(Linn. Gener plant no 1084 — Wlprs Annal I 625)

- 1 J PODAGRIC A Hook Bot Mag tab 4376 f — faule ereclo ramoso ramisque basi valde intumescenlibus, foliis peltatis cordaiis 5-lobis glabus, lobis subovalis obtusissimissimis, stipulis glanduloso-flmbnatis, cjmis longc pedunculatis terminalibus; calycis dentibus obtusis, corollae lobis> ovatis obiusis patentibus — Habitat in Nova Granada ad Slam Mailham
- 2 J. ZEYIICRI Sonder, Linnaea XXIII 117 -f — Suffrulicosa ramulis subvillosis, foliis brevitei petiolatis palmati-lobatis, basi truncatis, lobis lanceolatis dentatis acutiusculis, junionbus villosis pubescenlibusve, adultis glabus, margine glanduloso-cilialis, glandulis pluiibus stipitalis ad basin petioli, flonbus terminalibus corymbosis, central! foemineo, lateralibus masculis, pedunculis calycibusque subvillosis, calyce quimjuepartito, lacinns 4nargme glandulosis, petalis oblongis basi angustatis, stamimbus 8 basi connatis, ovano hirsuto, stylis 3, stigmatibus bilobis, capsula ovata subvillosa. — I^{fl} Promontorio bonae spei (Magalisberg)
- 3 J LAGARINTHOIDES Sonder 1 c 118 f - Caule suffruliculoso humili simplici vel subramoso, ramis villosis foliosis, foliis sessilibus alternis linean - lanceolatis acutis integeinmis uninenns, margine undulatis, glabns, basi setis 4 glandulosis munitis, flonbus terminalibus coiymbosis, centiali foemineo, lateralibus masculis; peduncul;s subvillosis, calyce 5-partito, lacinns glabns margine glandulosis, petalis oblongis, stamin. 8 basi connatis, ovano glabro, stjlo tufldo, stigmatibus bilobis, capsula ovata glabra. — In Promontorio bonae spei (Magalisberg)

5812. **RICIVOCALtPiyS** *Dsf.*(Dcsf. M4m. Mus. **ff.** 459. tnb. 22. — Adr. Juss. Euphorb. 36.,

- ¹. R. UNDULATUS Lehra. Plant. Preis. II. 370. f — Foliis linearibus mucronulatis, margine revolutis glaucis; floribus racemoso-corymbosis, pedicellis basi bractealis, infra medium bihacteolntLs; cptoibus subcilfatis; pctolis obovnto - spalhulatis undulatis. — In Nova HQLJnndia meridflflni-occidentali.

5813. **AHPEBEA** *Adr. Juss.*

(Adr. Juss. Euphorb. 35. tab. 10.)

- * A. PROTELNSA N. ab E. in Lehm. Plant. Preiss. II. 229. f — Foliis lanceolato-linearibus distantibus; glomerulis aliis musculis, aliis monoicis; (lore foeraineo solituario; peranthio masculino 3-, rarius 4-fldo, foemineo quinquefldo duplo mnjore. — In Nova Hollandia (Penb). **.
- ² A.? SUDNUDA N. ab E. I. c. — Glnuca: foliis linearibus rnrnis; caule teretiusculo ramoso siriclo. — In Nova Hollandin (in monte Curric.)

5820. **ABRIASTIA** *Gaudich.*

(Gaudich. Voy. Freycin. 486. lab. 116.)

- * A. ACERIFOLIA All. Cunn. in Mitcheir, Journal of tropical Australia pag. 371. adn. — Foliis cordato-ovalis trifldis, scgmentis acuminatis grosse inaequaliter sinuato-serratis, *»btus bracteisque pubescenti-tomenosis. — *Croton acerifolium* A. Cunn. mss. — Crescit in Australia orientali tropica.
- ² A. HETEROPHYLLA Hook, in Mitchell 1. c. 124. adn. — Foliis ovato-acuminatis grosse sinuato-serratis integris cordatisve trifldis, ntrinque bracteisque glaberrimis. — Crescit^m Australia orientali tropica.

5825/. **EBYTHBO€O€€A** *Bnth.*

(Bnth. in Hooker, Niger Flora 506.j

Flores dioici, roasculi in axillis fasciculato-racemosi, foeminei in axillis fasciculati vix racemosi. *Mas*: Calyx profunde trifidusj^estivatione valvata. Petala nulla. Stamina sex, filamentis basi in anulum connatis orevibus; antheris erectis, loculis contiguis subdistinctis. *Foem.*: Calyx roaris. Ovarium sessile, biloculare loculis uniovulatis; stylis 2 recurvis^a basi plumoso-ramosis. Fructus (drupaceus?) abortu unilocularjs, nonospermus globosus.

- ^x 'E. ACDLEATA **Bnth. 1. c. 506.i** - *A&elia anomala* Poir. Diet. Suppl. I. 132. — Crescii In Sierra Lf one et Senegambia.

5826/, **liEPLDOCOCCA I in cum**

(Tine/ Flon [B /] XXI 715)

I Ions inoici spiuli masculi <wpuiocis plures, focminu infenoic& solilani ant l)ini *Mas* Calyx qmnqucpartilus Petal* 5 lacinus cal>ci ms ulluu indivisa, cum staminibus 10 receciaculo colummformi Mipcino Induihciihtto inset IJ, anlherae laterales orbiculdae biJoCularcs, Iniuludmalitei deliiscucles, ghndulae nullae *Foem* Calyx deccmpaili tus, lacinns alleinis minonbus Pctala 5, calycims lacinns alterna ungui (iilata, cilo dixidua Ovanurn l)rcvissimc stipitatum tnloculare, Joculis uniovuhlis, Janduhe nulhc, stjli 3 quadnparliti Capsula tncDcca squainis mollibus tecta, coccis monospeimis — Herba pilosa folns ilteinis simplicibiis tiinervns inaequaliter serralis eglandulosis bistipu- lahs, spicis axjllaribus longiusculis, floiibus sub^essihbus bracteati*. Genus, a *Ctotone* plunbus charactcnbus iemotum

1 I sll RrRI Tuic/ Dullelin <e h <?oc imp <es nit de Mostou XXI Pnit I 589 — P(i primis hnmis caljcims flout focmnu riliato - ghndulosis, intenonbus duplo Ion gioithus rIII rilycmn s<nnnnium<|uc frudus icgtnlium glamluhs si>haencis teiminati - IiilnlU

t **K gen ere expellendn.**

I SI RRM V Inn/ — I LPIDOCROTON SrRKATUS PrsI

-826/2 **IidPIDOCROTOUT hsl**

(Pisl I pimel Jionnjc 213)

Hoics> monoici. *Mas* Calyx quinquciidus Petala quinque obovata, bqumis peltalis oibiculatis albis imbcnatis cxlus vestila, apice lacero- multifida Slamina quinque—dcem, filamentis in columnam cylindncam monadelplus, anthcns se^silibus cxtroisis eiectis, extenonbus duplo liiajonbus, inLenonbus apiculalis baepe stenljbus, m flore pentandro luibus cxLcuoribus feihhbus bianshllis, tubus lnerionbns bisenahbus *Iturn* ct capsuh u(i m *Ciozophora*

1 I sI RRAIUS Pi si 1 c — Annuus hcinn» cnhcims flous focminei eglandulosis, ~~inte-~~ uoiibus exicnoics (inicum numcio incomplelds) pluncs superanlibus —Minus pilosa quam *Ippulococca Stebeu* saltern pili mullo bieviores eglndulosi am in ovano juniore Innc jnde glandulas minuta* gerunt — *Le\ndococca seiiata* Turcz Bullet de la soc impuidl des rial de Mosc XXI 1 598 — *Capcioma seirata* Pisi Epimel bot 213 (ex s\non) — *Cioton suialith* Ilcobst mss — Habiiai in Coidofan, in plnmtie et ad Dion tern \msch-Cool in limosis nd aquas

o826/3 **CERATOPHORCS Sondet**

(Sonder, Linnca YXIII 120)

*loi LS dioici *Mas* Calyx dip)llus, foholis ovalis cucuJJatis cor- nutis iMala 2, alteim, elhptica \el suboibiculata, concava Stamina

12—14, filamenta libera, aequalia, receptaculo insula, aulicns oblongis
 "illoi sis Ovanum nullum *Foem* Calyx et corolla mans. Ovarium
 ^SMIC, inlotulaie Styli 3 bieves bifidi, Jacmiis locmvis stigmalosis
 (apsula lii^ona glabra tucocca, coccis monospicims Columna Irian-
 jUans. Semina pendula subglobosa lae\ia — Arboi Afucae australis
 'anus altemis, folns oppositis oboxalis, apice cicnalo-dentatis, subcona-
 ceis glabns, ilonbus virescentibus aullanbus, pedunculis ba^i bibracleo-
 latis, mascuhs fascicuj&titis, foemineis solitams

1 (AFRICAN A bonder *iSfrtfi* f — Ghbn erecn ramia teictibus, folns breussime
 ptnolatis obovntis quorbiculotisque, apice dentato-cienatis penmncmis rticulntis pil
 lundu-punctalis &tnolaf8ve, stipulis piivis ovatis acuis, pedunculis fulio bicviobus
 In Piemontono }>ona spei, ad Poit Niial

5827 CROTOST *Linn*

(I inn (enei plant no 1083 — Adr Juss Lumphorli 28 lab 8 flg A — Wlprs Annal
 I 626)

1 CR SIACROSTAIUYS Hodibt inss in A Richard, Tent (lot Abyss II 251 — Caille
 iiboico, lamulis heibucis huiollis, folns almrnis longissime poliotalis o\alibus ob-
 loii>is lcumuiitjs In>i oblusii, rnaio,inc obsolete et tenmici dcnIKuhlis, supia gla-
 bbtuljv, piwiLliid, subtus et in peliolo pilis scllalis lans conspersis, pedolo apico
 bgt mduloso, gl mdulis bicvilci siipitalis, flonbus monoicis, intermixiis out dioicis,
 • «j(.cniuin lun,um simplicim eflbi niantibus, inasculis numeiosiobus, talyco 5-paitito
 *»cl iim (omentoso, lacinns valvalis, pelalis 5 ulternantibus cilialis, biamimbus circi-
 itr ^0) Jibens, Dlamentis lanalis foemineis pauussiuus cum inasculis inteimixtts,
 Clytc subcampdnulato lomentoso 5-fldo, coiolla nulla, ovauo tomemoso tulocula^.
 lucuhs uniovalaii!, stylis piofundo bipaititis ascendenlibus, capsula sublignosa Ui-
 valvi — *livttleia Schimpeii* Hochst mss — Habitat in scpibus vallis (hahagne
 Abyssmne

^ (R HOSTIMANN fliqu, Lmnaea XXF 477 f — Frutescens siellaio-pilosus folns sub-
 o ppositus bicvitei peliolati& ellipticis, utnquo obiusis vel apice rotundatis repando-
 crenatis (Jjndulis ^cutcllatis paivis scssilibus, inler crenuluros solliarns, um utn-
 que mijoit coicaviia ad baj>in, spius axillaubus el lermmalibus, floubus mforioiibu?
 loomiiiiis, ^upenoibus masculib, bracicis cucullaiis, caljce, capsulis st\Usque st<l-
 1010 • pubescenubub — Habitat in Surinam

5827/! AGROSTISTACHYS *Dalzell*

(Dalzell in Hook Kew gard misc II 41)

lloies dioici. *Mas* Calyx bi<—lufidus. (orollae petala 6, glandulae
 p P°lalis alternae Stamina 10, filamenta basibus connata, anthciat
 loculis diblinctis jnfia apicem filamenti appensis, loculoruip valvulis in
 J Ujuahbus *Foem* Calyx 5-partitus. Petala 5. Ovanum Ufti glandulis
 0 lotahs altornis stipatum, 3-loculare, locuhs uniovalatis Styli 3, bu
 Nc<, bndli, lobis obtusis Capsula 3-cocca, coccis bivalvibus mojos)ci
 jins, senimibus pisi magnitudme — Frutex foliis altornis pcliolati*; oh
 'ongis, uliinque longe acummalis, serralo-dentatis, glabns, ilonbus
 mascuhs spicatis, spicis supra-axillanbus pan is lociislacioiniibu^
 "oribus foemineis solitams pedicellate, pedictllis basi biadns 3_ r>
 Si uamaeformibus nibliuctis

1 'A INDICA Onzell It - In Imlii onculili in monliliius SyIndicc

5833. *HEOISrOTAXIS Brongn.*

(DrongD. Voy. Duperr. Bot. 223. lab. 49.)

- I. M. RRAGTEATA N. ab E. in Lchm. Plant. Preiss. II. 230. f— Sufrulicosa glabra: foliis revoluio-teretibus mucronatis, 3—4-linenribus; stipulis setaceis; umbellis terminalibus sessilibus (divisis*) slipulaceo-bracieatis. — In No&yMotlandfa in disir. York.

5833/,. *CREMOPHYLLUM Schq&wlr.*

(bchndw 'in Otto & Dietr. Allgem. Gartenztng. Jfil 130.)

Flores monoici. Involucrum universale exterius letrapliyilum, fohola exteriora parva ovala oblusa, interiora majora cordala denticulala trinervalia, involucrum inlerius triplyllum, foliola ovala. Involucellum flor. masc. 4—5-phyllum, foliola obtusa crenata. *Flores masculi* plurimi 6—7, glandulis digitalis interjectis. Perianlhium tubulosum, limbo quadrifido, laciniae ovalac obtusae. Stamina monadelpa, antherae quadri-loculares. Involucellum florum foemineorum polyphyllum, foliola minima. *Flores foeminei* tres, pedicellali. Periantlium quadripartitum, lacinia subulala, ad basin glandulifera hirsuta. Ovanum hirsutum triloculare, JocuJis uniovulatis; stylus crassus eJongatus; stigma capilatum vel subbilobatum. Capsula mngna, cortice carlilagineo birsutiuscnlo vestita, tricocca, coccis monospermis. Semina laevia. — Frutex e Brasilia ortus: succo aquoco; foliis spalhulatis pcdulis penninerviis.

1. CR. SPATHULATUM Scheidw. 1. c. 130. f — Caule cylindraco, cortice griseo; foln* rugosis spalhulais undulalis penninerviis cuspidatis inlegerrimis glabris, basi auriculatis pendulis coriaceis siccis; stipulis erectis applicatis ovato-lanceolatis cuspidatis sessilibus striatis marcescentibus; petiolis cylindracois; pedunculis 2—3 reflexis axil* laribus, post florescentiam clongatis. — Crescit in Brasilia.

Tribus V. *PHYLLANTHEAE* Endl. 1. p. 1119.5839. *BRJDEJLIA mild.*

(Willd. Spec. pi. IV. 978. — Adr. Juss. Euphorb. 22. i. 7.)

- I DR. FERRUGINEA Bnth. in Hooker, Niger Flora p. 511. f — Fruulicosa: foliis ovali-ellipLicis coriaceis, supra glabris, subtu ramulisque ferruginoo-puberulis: baccis pa"" us oblongis monospermis — Crescit in Africa tropica occidenlnli

5839/,. *CJLEISTAIVTH1JS Hook. fil.*

(YVlpr*. Annnl. I. 629.)

- i. *CL POLYSTACHYUS Hook. III. - Wlprs. I. c. no. 1. - Bnth. in Hook. Niger **Flora**, *12. f tab. 36.

5840. CMJYTIA Ait.

(Ait Hort Kew III 419 — Adr Juss Euphorb 25 I 6)

- ¹ CL DIOSMOIDES Sonder, Linnoea XXIII 122 f — Fruticulosa glaberrima cunibus erectis subsimplicibus, foliis petiolatis approximate eiectis linearibus obiusculis mucronulatisve crassrasoulis, margine recurvis concolombus, supra nindis punctatis, subius opacis; flonbus axillanbus glabris folio brevibus, corolla cañcera subaequante, capsula globoſa subtnloba glabra — *Chamaeka* Burm Afr 118 lab 43 flg 3 — *Cluytta ertcoides*, *daphnoides*, *tabulans* Eckl mss
- P *curvata* folns curvatis — *Cl cuivata* E Mey — In Promontono bonae spei
- * CL TERCTIFOLIA Sonder 1 c 124 f — Fruticosa glaberrima folns confertis subsessilibus, angusle linearibus, maigino revolutis teretiusculis mucronatis, ulnquo vindibus, pedunculis axillanbus soli tains erectis, folium dimidium superantibus flonbus quo globus — In Promontono bonae spei
- ³ CL BREVIFOLIA Sonder 1 c 125 f — Frulico^a glaberrima glaucescens folns subsessilibus imbricalis subielinsticlns linear-oblongis oblusiuscule mucronalis, iloubus masculis axillnbus subsolitai us folium aequantibus, foemineis solitarns pedicellatis, calyco Innccolato obtusiusculo coiollam superante folium aequante, capsula sphaeuta glabra — In Promonlono bonae spei
- ⁴ CL DAPHNOIDLS Willd Hort Berol t 52 — bonder 1 c 126
- (*J. tncana* Sonder 1 c. — Ramulis folnsque jumonbus incano-pubescentibus, folns aduliis glabus obtusis retusis^e, subius pallidionbus subvenosis, podunculis flor mascul subsolliarus aggregative puberulis, foe mm solitarns, capsula sphaenca glabia — *ci. pulchella* Spai in — *Cl pubescens* Eckl ft Zeyh mss — In Promontono bonae spei
- ⁵ CL AFFLINIS Sondei 1 c 126 f — Caule erecto ramoso, lamis pubescentibus, folns > petiolatis oblongo-lanceolaiis planis, basi apiceque acutis, ulunque adpiesse pubescentibus, subius pallidis venulosis, pedunculis axillanbus abbreviate calycibusque puberulis, flonbus masculis plurums aggtegaiis, foemineis solitarns bimsve, capsula sphaenca glabra — *Cl hirsuta* Eckl ft Zeyh mss — In Promoutouo bonae spei
- ⁶ IL OVALIS Sondei I c 129 f — Fruticosa glaberrima. caulu erecto apice ramoso, 'olus subsessilibus ovalibus bievisime mucronat's, margine cartilagineo dentirulatis, Qonbus axillanbus solitarns orectis, culyce corollam supcranle — In Pionontono bonae spei (Worcester)
- ⁷ CL MARGINATA E Me) mss ex*Sonder 1 c 130 f — Frulicosa erecta ramis pubescentibus; foliis subsessilibus ovatis obovalisve obtusis vel aculiusculis concn'is utrinque nlbo-tomentosi³, pedunculis (foemineis) axillanbus solitarifs obtusia corollam aequantibus, capsula sphaenca dense tomemosa, stylis biAdis coronatai — In Promontorio bonae spei
- ⁸ CL THUNBERGIT Sondei I c f- Fruticosa caulu erecto cmereo-tomentoso, loins brevisime petiolatis obovalis oblusis planis, utrinque albido-tomentosis, pedunculis brevibus axillanbus solitarns gemimsiro calycibusque lomeniosis; calyce corollam subaeqnante, capsula sphaonca glabia verruculosa — 0/ *tomentoba* Thnbrg Fl Cap I *l (non L) — In Promontono bonao spei

5840/. liACHHTOSTITIiS lun:

'Wlpis Annal I 109)

- 1 L < APLNSis Turc/ — tVlpis \nn bol Mat I 109 — Soncler, Linnata XXIII lit — Hamis tubercular cicdis, rnmulis tenuisbinie pubescenlibus*, loins oblongis cune i-Ua, maigine subuiculatis obtuais inutiomilalis subacuininatisvc, floribus masculis plu-iinns, rucmmtis solitams birnsve — *Cluytha huta* Vahl, Symbol II 101 — In l'IO monloio bonae spci
- 2 L MINOR Sonriei 1 c f — Kamis lubeiculnii-, i timulis folusquo subsecundis, loin* obovatis \el obo\ato-oblongia oblu»is imicionaiis, lloubus masculia solilm us - G/w/ lia (*immula* Tbnbic » — In Pi oinontono lioritic spci

5847. PHYIiAiirTHIJ^ Swrtz

(Swilz Hoi Indie II 1101 — Wlpis Annal I 630)

- 1 ' PII PIMLLOIDI S A DC Neuv not sur Its pi inr ilu jaid do Gentvo p 15 f — Wpi<> I c no 3 — Lcbm l\ Pities II 2M adn — *Pit Piussianus* Kllzscb in Lthm PI Picis. I 179
- 2 Pfl SCVUKILLUS IJ Webb in Hookei, Nigei Flon p 175 f — 1 aule .mnuo dillu^o, i muili** debilibus leingoni**, angulis pilit> denlifoimibus scabus, slipuli^ iipico filioimibus biM I nit (olalis, folus bic\it.sinic | cliulnlis o\ ilii |t\ siiboibiiuhli^ pallidrb, ^ulxus s(abiclli>> n ox ghbns, margino obsolete denlicuhlis, IKIVIS evannlis, lloibus in IIMIIS folioiuu solilams ciccliubculis, (alycii hemiib sucepe 5ovatis>el Kinccol ilo ovolis, Into stoiOM^, medio dorso tnnlum bubuccj*, o\ano disto ob^olde sulcn into slipato, c.ipsuh complanata glabeinma lucida — (rc^cit in ins Sli Jacobi, Sn Anionu ad Cap vclj
- 3 PII YLINOSUS Hotbst mss in A Ricbaid, Tent lloi AbjsMii II 255 — 1 aulo lJ l>I suffi utescence lamoso scsquipedali, ramis anjul ilis glabiis, fulns altcinib Imccuhlis acutis, basi bicvissime pctiolatis, infenonbut subobtuMs, ulni)([uc ghbns palliclo vni-dibus subglaucib inlegns; stipulis ovah - auimin MI*, lloibu& ti\illaibu<> monoids soli-tuu, inascalis supcuorem paiUm, focmncis jnfuioiun odupinnbus, bicvitei pt dunculatis, lIonbut mi^culit minoiibu^, bliiniiibus 3 inouidUplii*, in fucniiciit. iilyct fi-pulilo, lacimib obuvali-spalbuKiiis, maigme iciiuuiibu^, c ipMila ^lobosi dt-piessi pnvuli glabin laevi (ulobaio-cosUila — Ilabilal in Abjss>iniae locis mculii^ pi ope Adcibaii el pi ope Guendepia
- j PII PAIWULUS Sondci, Linnaca XXIII 132 f — Animus glibci caulibu^ euclis a bat>i Minors subangulatis, lamulis scabnusculis, folus simpliubus alternis (puma) brevissime pctjolalis ovalit tlliplicisvc mucionaiis, subius distolonbus, pmco venosis, slipnlis selaccis petiolum snpeianubus, pedunculis nxillanbus subsolilauis, folium di-nudiuni acqnantibus, fiuclifens nutaDlibu!>, cahcis (acinus oxaus aculiusculia, capu Its dopiosis tiilubis glabns — In Piomonlouo bonac ^pci
- > PII GL\lfoPII\LLUS Sonder 1 c 133 -j — Su/liuticulosu^ glabtiimuii, caulibus ciectis subsnnplicibub compressis, folu<> simpicibus alternis brevi^simu peiolaiis ovilo - oblongis* bubcordalis aculiu&culis mucronulatis marginals, uUinque >ei/osis Baucis, s>ipuli<> SCHIOMS lanccolaiib, ba&i dilalata duUitulntis, petiolo longionbus, lIonbu<> .ixillanbut. ^ubsohiauuj., pedunculis iuclifens folio subquadiuplo bievionbus ca\ylis I icmiib ovada obiuauisculis, capsulis trilobi* siibdepi essis glabus — Jn Pio-m)ntono bonae »pu (*1apilisbei.

- ◇ PH GENISTOIDES Sonder 1 c 131 f — Suffruticosus dioicus glaucescens caule tecti credo ramosissimo; ramis virgatis angulatis, foliis simplicibus alternis brevissime petiolatis linear-lanceolatis acutis uninerviis avennis, subtilissime punctatis, stipulis scanosis lanceolato-suhulatis, basi dilatatis, floribus axillaribus, masculis geminis pluribus aggregatis breviter pedunculatis, foemineis solitatis, pedunculo longiusculi cernit Jacinis ovatis acutis, capsula tubosa depressa — In Promontono bonae spei (Magalibcg)
- ⁷ PH MYRTACULUS Sonder 1 c f — Fruticosus dioicus glaber caule erecto, lamis alternis, lamulis tenuibus compressis, foliis alternis distichis brevissime petiolatis ovatis acutis platis, supra videntibus, subtus glaucescentibus penninervis, pedunculis axillaribus capillaribus, apice mucronatis, folio brevibus, calyce sexpartito, laciniis subaequalibus ovatis obtusis, marginibus albidis, stigmalibus 6, capsula bilocca, coccis laciniis glandibus bivalvibus, semibus lacivissimis molatis — Port Natal
- « PH ATTENUATUS Miqu Linnaei XXI 479 & Slup Sunn select 100 f tab 31 A — Ramulis ligniscentibus, foliis alternis brevibus petiolatis anguste ovatis vel oblongis longe attenuato-acuminatis submucronatis, tenuiter costivenis glabris, supra videntibus, petiolis pubescentibus, floribus axillaribus fasciculatis, segmentis calicis oblongis — Crescit in Suunam

t loon addenda.

¹⁶H GUIANENSIS Kttsch in Hook Lond Journ of bot 1843 p 51 --Miqu Stirp Sunn elori 100 tab U U

5847/2 PLEIOSTEJTOX *Sonderi*.

(Sonder, Linnaea XXIII 135)

1 flores monoici. Calyx sexpartitus, laciniis bisenatis. *Mas*: Stamina 6—8, filamenta libera, receptaculo convexo glanduloso inserta, antheris extrorsis longitudinaliter dehiscentibus. *Foem.*: Ovarium discoidale glanduloso insidens, uniloculare, loculis biovulatis. Stylus 3 bifidus/stigmatibus 6. Capsula bilocca, coccis bivalvibus, dispermis. — Arbutula Capensis: ramis verrucosis; foliis alternis; floribus axillaribus, masculis glomeratis, foemineis solitatis.

¹ *PL VERRUCOSUM Sonder 1 c 130 — *Thyllanthus veronae* Thunberg Fl Cap II 500 — In Promontono bonae spei

5850/., DICHEEIACTORA *Hance**)

(Hance, Pl Nov Austr Chin diagn inedit I p 2)

Flores monoici. *Mas*: Calyx sexpartitus, laciniis oblongis bisenatis, interioribus paulo majoribus, inclus glandulis sex alternis Corolla nulla. Stamina 3, filamenta in columnam coacta, antherae extrorsae

*) Nomen (d(xv)XoCi blfidus - axr(v, radius) ex stylis bipariis stellato-patentibus

ndhaercles. connectivo haud excurrente. *Foem.*: Calyx sexpartitus, laciniis biseriatiâ dispositis oblongis. Corolla nulla. Ovarium ovoideum, disco cupuliformi glanduloso dentato cinctum, triloculare, loculis biovnlatis. Styli 3 bipartiti, lobis acutis, superne stigmalosis. Fructus haccalus subcarnosus, slylis emarcidis superalus, trilocularis. Semina in quovis loculo binn angulata. — Frutex Chinensis, Acaciâ cujusdam facie: foliis allernis stipulâ parvis integerrimis, a medio usque ad uxlrcmilalem ramulorum alternorum iis floribusque communium pinna-tim dispositis, deciduis; floribus secus ramulos "infra folia racemosim fasciculâ, bractealâ, masculis pedunculatis, foemineis sessilibus, supra masculos in eodem ramulo dispositis. — Genus ad *Anisonema* Adr. Juss., *Scepasma* Bl., *Epistylum* Sw., et praesertim *Emblicam* Adr. Juss. (cui forsan nimis affine) accedens. *Emblica* autem, meo arbitrio, divellenda, nam in quibusdam speciebus flores glandulis carent. Hoc novum genus omnes forte *Emblicâe* species glandulis praeditas recte recipiat.

1. D. NODICAULIS Hnncel. c. — Caulibus a basi ramosis diffusis suberectis, liinc inde miro modo ventricosonodosis; ramulis pinnaeformibus pubescentibus; foliis oblongo-linearibus obtusis glabris; floribus lutescentibus in ramulis confertis. — Slirps 4 — 5 pedalis in ins. ilongkong Chinensium crescens. Folia per noctem somno fruuntur instar plmim Leguminosarum, sursum fleclunlur et paginn superiore sibi accumbunt. Sinac fructum acrbum ndstringentem comedunt.

5851. CICCA Linn.

(Linn. Mantiss. I. no. 1275. — Adr. Juss. Euphorb. 20. lab. 4. fig. 13. — Wlprs. Annal. I. 631.)

1. C. SURINAMENSIS tfigu., Linnæa XXI. 479. f — Foliis allernis breviter petiolatis oblongis vel late aut ovato - ellipticis, obtuso apiculâ, raro aculiusculis membranaceis glabris; peiolis marginatis; stipulis lanceolâtis; stigmatibus 4 — 5 brevifldis, lobis subincrassatis. — Crescit in Surinam.

5859. PORAHTHERA Rdge.

(Hdge. Linn. Transact. X. 302. tab. 22. fig. 2.)

1. P. DRUMMONDII Kltzsch. in-Lénin. Pl. Preiss. II. 231. f — Gaule simplici, superne ramoso glabro; foliis anguste oblongis, basi attenuatis, margine recurvis membranaceis; stipulis lanceolatis niveis sessilibus integerrimis; ramis floriferis corymbosis. — In Nova Hollandia ad fl. Cygnorum.
2. P. GLAUCA Kltzsch. I. c. f — Glauca; caule simplici glaberrimo; foliis teretiusculis subcuspidatis ereclis, distantibus, subtus sulco longitudinali notatis; ramis floriferis nudis corymbosis. — *P. ericifolia* Hügel, Bot. Arch. tab. 8. — In Nova Hollandia (Albany).
3. P. PIGEIOIES Kltzsch. I. c. 232. f — Caule rigido ramoso (ramis ereclis lenticeMatifV siipulis lanceolato-subulatis integerrimis; foliis carnosulis teretiusculis subacutis, *vb^m tus sulco longitudinali notatis, approximatis subpatentibus; ramis floriferis corinbos^l*f staminibus exsertis. — In Nova Hollandia (distr. Perth).

- * 1\ KHICOIDES Kuzsch. In Lehm. 1. c. f — Caule rigido ramoso humili; ramis ramulosis; foliis carnosis triquetris, brevissime ovatis, subtus sulco longitudinali notatis, approximatis cretulis; ramis floralibus monocephalis rarissimo 2—3-cephalis, nunquam corymbosis; staminibus **exserti***. — In Nova Hollandia (distr. Hey).
- 5- 1^l. GLAUCA Ktzesch. in Lehm. 1. c. 231. adnoi. f — Caule simpliciter glaberrimo; foliis cretiusculis subcuspidatis erectis distantibus, subtus sulco longitudinali notatis; ramis ramulosis corymbosis. — Habitat in Nova Hollandia ad Il. Cjgnorum.

5859A. CHRYSOSTEMO *tf Klotzsch.*

(Klotzsch. in Lehm. Pl. Preciss. II. 232) •

Flores dioici? Masculi axillares solitarii breviter pedicellati. Calyx **cruciatim tetraphyllus**, foliis ovatis membranaceis concaviusculis, **in** margine dentato-incisis, aestivatione imbricalis. Stamina 8, in centro corollae inserta; filamenta breviter cylindrica; antherae didymae bilocularibus, loculis lateralibus subglobosis discretis, post dehiscendum bivalvibus. Flores foeminei ignoti. — Fruticulus in Nova Hollandia indigenus **l**—8-pollicaris: caulibus confertis leviter tetragonis puberulis; foliis oppositis oblongis, utrinque acutis rauricato-pilosis inlegrerrimis (3-1 [in longis, lineam latis] bistipularibus; stipulis subulato-capillaribus; **Horibus masculis minutis sulphureis axillaribus solitariis.**

*. *Clia. VIRGATUS Ktzesch. 1. c. f — In Nova Hollandia meridionali-occidentali.

Tribus VI. *BUXEAE* Bartl. — Endl. 1. r. p. 1122.

5862. *AMASSOA* Aubl.

(Aubl. Guian. I. 256. tab. 101. - Adr. Juss. Euphorb. 15. tab. 2. - Wlprs. **Annal. i§ 32.**)

• 'A. **BFACTEOSA** Planchon. — Wlprs. 1. c. no. 1. - **Bntb.** in Hook. **Niger Flora 512.** t lab. 47.

5862A- *OIIHFISIIIDIA* *Bnth. if Hook.*

(Dnlh. ft Hook. Kew gard. misc. II. 184. tab. 6.)

Capsula subtriquetro-globosa trilocularis, loculicide trivalvis, valvulis subligosis, medio septiferis, integris, columnam centram seminiferam nudantibus. Semina in quoque loculo gemina, collateralia, v. abortu solitaria, ex apice columnae centralis pendula obovata compressa, hilo prope apicem laterali affixa exarillata. Testa coriacea laevis, albumen cartilagineum; cotyledones planae foliaceae subquadratae, albumine **vix** breviores, radice brevissima supra erecta. — Arbor: foliis digitatis, foliis in petiolum auriculatis.

1. 0. **APRICANA** **Bnth. ft Hook.** 1. c. 185. tab. 6. f — Foliorum petiolum communis tenuis 4—tt-pollicaris, pube minutissima fuscescens, dorso infra foliolorum inserionem glan-
HI.

dulis duabus obliquis parvis instructus. Foliola 5—7, majora 4—6-pollicaria vel longiora, breviter petiolulata oblongo acuminata, basi Jonge angustam, submembranacea, penninervia ft reticulato-venosa glabra impunctata ft glandulosa, lateralia minora 8c proportione maiora. Cnpsilao pedicello semipollicari fultae 9—10 lin. diametro, vertice obtusissimae glabrae laeves, laeribus (nd dchiscentiam) leviter sulcatis — Habitat in Africa tropica ad fl. Nigrum

5864. SECURITECTA *Common.*

(Commers. mss ex Juss. Gen. pi. 388. — Adr. Juss. Euphorb. 14. tab. 2.)

1. S. ABYSSINICA A. Richard, Tent. flor. Abyss. II. 256. — Frutex altitudinis humanae: caule ramoso; ramis lignosis quadrangularibus subvermicosis glabris; foliis alternis breviter petiolatis obovatis - suborbicularibus obtusissimis integris glabris; stipulis parvulis ovali-acutis; floribus an dioicis?, masculis parvulis pedicellatis in axilla foliorum fasciculatis; calyce 3—4—5-partito, lacinis ovali-acutis, margine fimbriatis; saminibus 3—4—Somnino liberis exsertis, disco glanduloso lobato circa ovarium abortivum distylum impositis, antheris introrsis subdidymis; floribus foemineis in diversis ramis (an in eodem frutice?) axillaribus 1—2 pedicellatis; fructu globoso-depresso, externe carnosissimo, bi — trinuculato; nuculis chartaceo - osseis dispermis; seminibus triquetris externe convexis. — *Phyllanthus polygamus* Hochst. mss. — Habitat in Abyssinia fruticetis juxta Tchelathekanno

5880. P E B A *Mutts.*

(Mutis, Act. acad. Holm. 1784. p. 299. tab. 8, — *Petidium* Schott in Spr. Cur. post. 410.)

- t P. (PERIDIUM) OBLONGIFOLIA Bnli. in Hook. Kew gard. misc. II. 243. f - Foliis petiolatis oblongis obtusis, basi angustatis, supra glabris nitidis, subtus ramulisque lepidotis; involucris masculis glabris ferrugineis. — Folia 3—4 poll, longa, i — i'« poll. lata. — In Brasilia Parafnsi.

Ordo CCVI. CDPULIFERAE *Rich.*

(Endl) Gener. pi. p. 273; Suppl. II. p. 28; Suppl. III. p. 63; Suppl. IV. II. p. 22. - MeUn.
Gener. pi. vascul. I. 346. II. 257. — Wlprs. Annal. I. 633.)

1842. OSTRYA *Micheli.*

(End) Gener. pi. Suppl. IV. II. p. 22. [Synops. specier.]

^{1.} O. VIRGIMICA Willm. Spec. pi. IV. 469. - Torr. Flor. of New York II. 194. f. tab. 110,

1843. CARPISrUS *Linn.*

(Endl. Gener. pi. Suppl. IV. II. p. 23. [Synops. specier.]

- ^{1.} C. AMERICANA Michx. Fl. Bor. Am. eric. f. 201. — Endl. 1. c. no. 2. — Torr. Flor. of New York II. 185. + tab. 103.
- ^{2.} * C. JAPONICA Blume, Mus. bot. Lugd. Bntav. p. 308. no. 710. — *Dislegocarpus carpinus* Sieb. f. Zucc. — Wlprs. Annul. I. 634. no. 1. — *D. carpmoides* Sieb. f. Zucc.
- ^{3.} C. EROSA Blume I. c. no. 711. — Ramulis novellis, petiolis et strobilorum pedunculis glabriusculis; foliis e basi inaequali-subcordata vel rotundata ovalo-oblongis (2/«—3¹/₂ poll, longis, l/a—2 poll. latis, petiolo 5—7 lin. longo) nuncinatis crosso-serrulatis serropelluadis glabriusculis vel in nervo medio et venis (his in quovis latere 15—20 rectis parallelis, junctis impressis) subtus pube rara obsitis; strobilircylindricis (2¹/₂—9-Poll.); involucri squamis ovatis nulis serrulatis vel altero latere submegerrimfl, ta baa inaequilatera convoluta nuoulam occultantibus. — In Japonia.
- ^{4.} C. CORDATA Blume I. c. no. 309. no. 712. — Ramulis novellis, petiolis et strobilorum pedunculis subpubescentibus; foliis e basi profundo cordata ovalis (2¹/₂—4 poll, longis, l/a—2 poll, latis, petiolo 5—8 lin. longo) acuminatis inaequaliter mucronatis serratis pellucidis, in nervo medio utrinque et in venis (his in quovis latere 16—20 rectis parallelis, supra pube brevissima acuminatis et haud impressis) subtus subpubescentibus, strobilla ellipsoideis (2-poll.); involucri squamis ovalis acutis mucronato-serratis, in basi inaequilatera convoluta nuculam amplectentibus. — In Japonia.
- ^{5.} C. LAXIFLORA Blume I. c. no. 713. — Ramulis novellis, petiolis et strobilorum pedunculis subpubescentibus; foliis e basi subrotundata ovatis vel ellipticis (1—2¹/₂ poll, longis, 8—15 lin. latis, petiolo 4—8 lin. longo) acuminatis inaequaliter duplicato serrulatis semipellucidis, in nervo medio utrinque et in venis (his in quovis latere 8—13 rectis parallelis, supra haud impressis) subtus sericeo-pubescentibus; strobilis elongatis Taxia (2—3-poll); involucri squamis lanceolatis laciniis lateralibus brevibus convolutis, intermedia lanceolata elongata acuminata inaequaliter serrata vel altero latere subtrifida. — *Distegocarpus laxiflora* Sieb. f. Zucc. — Wlprs. Annal. I. 634. no. 2 In Japonia habitat

1844. *CORYTJCS lournef*

(LnlJ Geuci pi Suppl IV I! 23 [S]nops specier] — Wiprs Anna! f 634)

j f ILTEIIOPIIYLLA Fisch mss ex Iiiuueu Imagn 10 Inb 4 — dull I c no 3 [cum sjnonjmis] — Illutno, Mus 101 Lugd Bat p 309 no. 714 — Slipulis olilongis obtUjSis, foil is e basi cor data \cl rotundata subiotundis aculis vel cuspidau? jrre^u-lauter inciso-serraiis, fiuctuum involucris nucula parum majonbus subgloboso-iam-panulalis profunde bipartitis, limbo dilalnto inaequoliler inciso -denlato "

(J *Thunbergn* folns irregulariter simntis A el mcisis — *C Hasibam* Sieb — 6 *Americana* Sieb — *C avellana* Tbnbrg — In Japom \

2 C SII UOLDIANA Blume I c no 715 — St fiulis oblongis obtusis, folns c bnsi lotunda ovatis tllipiiusvc acuminate* macquillier senahs, fiuctuum involuci is nucula duplo majonbus c basi ovoidea in lubium arcuatum oie lacimnium coarttatis — In Japonu

3 C PONTICA C Koch, Lmnaea XXII 3^9 f — Frulex ramuli ex apicc (omentosi, folia cordato - subroiunda jcuminaia duplicato - denlala , supra ghbrescentn , subtus pubescnlia pallidiora, peliolo l>IOVI, longitudine cicisurae, pubescenti - tomentoso , stipulae lanceolaiaio pubescntes, pedunculus peliolo vix duplo longior, nuces lair ovatac, involuci a pubescnlia mulullda, inlenus nurem magis minus\e superans, c«ni-panulaium, lacinns serraiis — Crescit in Ponto

(B. *ylanduUfu a* pcioli pilis scitiformibus glandulifens obsiii

1845. *Q.UERCUS Linn.*

(Lndl Genei pi Suppl IV II p 24. [Synops specter]— Wiprs Annal I 634)

Sect. I. *LEPIDOBALAIWS* Endl. J. c. — Cupula imbncato-squanidta.A. *ESCULUS: holia decida*

S. 1. *Robur*: Folia sinuosa, pmnatilida v. lyrala, lobis muticib. M.ituia-lia annua. Cupulae squamae parvae ovalcs adpressae.

1 'QU PYREIJJAVA Willd. Spec pi IV. 451

P *macrophyllus* C Koch, Lmnaea XXII 323 — Folia late oblpnga, h poll longn, 4 poll lata sessilia, basi cordato -appendiculata pmnatiflda, lobis "A 1^0" 'atls» * 1^0" longis, apice roiundatis aut bilobis, sinubus angusiissimis angulotis, supra pilis mi^1" mis stellulatis, sublus pube raolli obsila — Ciescit prope BelgiQd

1 QU PEDUNCULItLONa C Koch, Lmnaea XXII 324 f — llnmull gloliLinrni, folia O bo-vnin, 4—5 poll longa, supcino 2—2'/i poll Iota, sinunlo-pinnalifldo , lobis (in ulroquC lotore) sublubuu opico loiunduuis, loviiei morginatis, intordum supoine lobulo instiuctM, o\ basi coidniula, suprn ohscuro virescclnm glnbernmn, nubtus gluin pnboiuln pniolo porbinvi, 4 lln longo inntiucti, pdunculi ilimlilhim folium snupo aitlmgonie^, glabri, 2—3 amenlis pisiilhgciis minus nuigisve approximlis instrucii, squamae cupulne ovoto-rotundnae vclutinao, ex apicc appendicc obtusa glabra rufn plena adpressa instructae — Crescil in Caucaso infinon

P *virscens*

3 uu PINNARILODA i Koch J c Sib f — Frutex 10 — id pedum aJutudine rauuli glabri, gemmaium ovalnrum squamar ciliatne, folia oblonga 3—4 poll longa, 1•/*—2

poll laia pinnatiloba, lobis sub-9 linean-oblongis subundulatis, margine ad p^tMiolum specianto uno alterove dente grosso mstruclo, ad apicem folu contra inlegro, sinus rotundatis et aperturis duplo anguslionbus quam lobis instiucta, flavido - virescentin, supra niind pallidiora, sublus opnca obscunoia, ner\|u> flavescentibus, apicem loboruin veisus debilitalis, praescium ad neivum medianum pubcrula, petiolo brevi, 4 lin longo msideniia, frucius solitanus aut gemim brevisssne pedunculau terminales, cupula diamctro iranstersali dimidu pollicis, caviate conlia 5 linearum, squamae senceac ovato-lanceolatae, ex dorso convexo, appendicc brunnoa, minus accumbento ipsaquo pntuln Glans longe exserta. — Crescit in monte Mille lacuum Asiae minor

- ¹ QU LAMPROPHYLOS C Koch 1 c 327 f— Fiuiex inrauh glabeuimi; squamae gem-roarum lotundaruin ex latenbus compiessiusculaium rolundatae glabeinmae albamdrinatae, folia oblonga, 3 poll longa, 2 poll Ian crenatiloba, lobis sub-8 et sinus lotundniis, basi brevicoidala, flavido-virescenda, <upra mteniia, nervis lubeniibu*, apicem loboium versus debilnais, subtus opaca, piacscrum ad nervos puberula am glabirscentia, frucius 1—3 aggregali sessiles tcimmales, cupula diamclio 5—6, cavi-^{lnle 4} eaium, squamae senceae ovaio-lanceolatae, ex dorso plamusculo aul con-^{xexi} »sculo, appendicc biunnea accumbente, glans longe exserta — Crescit m ASM mmore, in monte Mille lacuum
- ¹ QU LONGIFOLIA C Koch I c f— Frutex lamuh ex apice glabiescentes aut pubeiuli, gemmas ovatae aut ovaio-oblongae, squamis roiundalis, margine cilialulo, folia oblong.[^] aul linoau-oblonga, 4—5 poll longa, 1—1/2 poll Jala glabemma dura, sublus glaucescentia runrinato-lobata, lobis 7—9 aculiusculis, sinus roiundalis undulalis, ex bast aiteiuidta nee rotundaia aut cordala petiolo semipollitan Insrucla; siipulae parvae 3 lin longae sublineares pilosmsculae; frucius bini teim aut quaterm aggregau, pedunculo hi evi insidentes, laterales aut terminales, cupuh ex apice constrictm, glandem includens, squamae ovato-lanceolatae velutinae, doiso convexo, appendicc rufo-flavescentie ex apice dernque paienle — Grescit in ASIA minore in dislnctu Pertakiek
- ¹² QU DSHOROCHENSIS G Koch I c 328 f— Arbor mediocris aul frutex arboiescens • amis divaucaiis, lainuli glabernmi, gemmae ovatae, squamis lotundaiis ciliatulis, folia oblonga 2—2 1/2* poll longa, 3/4—1 poll, laia dura glabernma runcinatoOobaia, lobis 5—7 lotundaiis, sinubus contia oblusiusculis, saepe eliam acutiusculis, mierdum ^ubundulais, ex basi rotundaia et saepe brevitor coidata, petiolo 4—6 lin. longo insiucta, siipulae setacae pilosae, petiolo brevioies, fructus bini, leim aut qualcmi, in pedunculo brevissimo aggregati, laierales aul icrmmales; cupula ex apice constneta, glandem includens, squamae ovato-lanceolatae velutinae, ex dorso convexmsculo am ^aPpendicula, appendicc rufa accumbente insiructu
- P» *Liwanjwis* C Koch. — Folia subtus obscurora. -.- CrejçJ^cta Asia minoie
»» tlistrictu Dschoroch
- ⁷ QU SYSPIRENSIS f Kochl c. 328 f— Frutox aut arbor jpedjocriffdQPHItt lomeoiosi, gemmae ovaiae tomentosae; folia oblonga 2—2 1/2 poll longa, 1—1 1/2 poll laia, dm a, supra glabia, sublus tomentosa, flavescenti - virscenliVYuncinato - lobata, lobis 6 oi Mubua aculiusculis, ex basi rolundata, petiolo 3 lin longo mstrucla; siipulae setacae pilosae, peliolo longiores, fiuctus solitaiu, 1/m aut term aggregati sessiles, leiminales aul laleinles, cupula humihs, cnvitalo 3—4 lmeniuuf, ex apice puululum consincia, squamae pilosae plumusculue, infenoies ovulo-lunceolatae, appendicibus biun-^{iiols} paiuhs out loviler occumbenlibus, supenores lancoolntae adpressae, glans mltusn (?) — Crosoii in Asiae minorls disinclu Sber

S- 3. *Erythrobalanus*: Foha integerrima mucionata vel saepius trilobti nntica aut pinnatiloba, lobis mucronatis. Maluratio bienms. Cupula[^] squamae parvae adpresse imbricalae non subulalae

- ^M QU GEOBGIAMA Cuitii, Dot Zeil. VWJ p 530 — Uumilis (6—d-pedulis) glabeluua folia paivB peliolata, penpheua aliquanlum obovaia cuneaia ci basi saepe inaoqualn

3- sticipius 5-lobn, lobi inangulari-lanceolati acuti, plerumque integn, cupula subpedunculata hemisphaenca, squaraulis glaberrimis arete ndpressis, margine tenui glandis ovali-globosae ('A' I) teriam circiter pa item amplectenie — Habitat in America septentrionali (Georgia)

§ 4. *terns'* Folia seio decidua vel subpersistence conacea, lobis vel serratis hiucronalis vel anstatis Mores pistilligen saepissime e gemmis aphyllis prodeutes, fructus ideo in ramulis annotinis laterales Cupula echmata vel squamosa Maturatio annua

- 9 QU POMICAG Koch, *Linnaea* XXII 319 f — Frutex ramuli glaberrimi angulati rubro-brunnei, folia elliptica, 5—6 poll longi, 2/3—3 poll lata seuulata, sen is triangulano-lanceolatis, 3—4 lin longis, supid virescentiu, subtus glucescentia, nervi secundarius 15—18 simplicibus communibus, angulo 35—40° a mediano patentibus, in sorra desinentibus, parallelis instructis, petiolo brevissimi, 3—4 lin longo insidentia, gemmae rotundissimae, latibus complicitatibus, stipulae filiformes ciliatae, petiolo duplo et triplo longiores, amenta pistilligena solitaria, axi foliorum supremorum insidentia, perigonium molle a cupula liberum, cupulae squamae molles, triangulares aut ovato-lanceolae — Affinis *Quercus Peisicae* Jaub fit Sp — Crescit in Ponto septentrionali
- 10 QU CARDUFIORUM C Koch I c 320 f - Folia lanceolata, 2—3 poll longa, Vagina pollinae plana glandulosa, supra obscure virescentia, subtus cinereo-pallida serrata, scutellum in sciam desinentibus, petiolo 4—5 lin longo insidentia, stipulae setiformes — *Quercus iugula* Lindl — Crescit in Kuidistama

U ILEX *Folia semper virentia*

§ 1 *Cinnenses*

a. *Folus submarginatis*

- 11 QU HIRLANDI Hance, *PI nov Austr Chin diagn med* I p 16 — Folus ellipticus cuspidato-acuminatus marginatis MX undulato-subrepandis, supra medium parce mucronato-serratis coriaceis, lacto vinctibus, supra nitidis, basi in petiolum folio sexies brevior angustalis, flonibus ?, fructibus binis sessilibus laeviuscule spicatis, cupulis hemisphaericis suberoso-lignosis, extus squamis guscis latis mucronatis nectissimo adpressis vestitis, inius guseo-sensu, glandibus matunis maxima pro parte e cupulis emersis oblongis vel subcordatis plabiumis vix prope basin pruinosis castanets, apice conico-umbonatis — Aiboi viginti-pedalis in sylvis densis insulae Hongkong virens &
- 12 QU THALASSIA Hance in Hook Kew *gaid misc* I 176. — Folus oblongo-ellipticus longe cuspidato-acuminatus integerrimis conaccis glabris, superne laevibus, subtus pallidis, basi in petiolum folio sextuplo brevior angustalis, flonibus imparibus, spicis axillaribus densis cylindricis erectis 2—8 fasciculatis, folus plerumque paulo brevioribus, fructibus binis sessilibus; cupulis hemisphaericis suberoso-lignosis, extus squamis plurimis arce adpressis mucronatis cano-lomentosis setulifl., intus albo-velutinis, glandibus matunis ad tres quartas longitudinis e cupulis emersis ovatis glabris sparse pruinosis, vertice (c reliquis albenibus calycis laciniiformum) umbonatis — Arbor 30-pedalis et ultra — Crescit in sylvulis insulae Hongkong Chinensium
- 13 QU SIEBOLDIANA Blume, *Mus bot Lugd Bat* p 290 no 655 f — Ramulis novis gilvo-tomentosis, folus e basi acula v. angustata elliptico-oblongis lanceolatisve 2—3 poll longis, 3/4—2 poll latis, petiolo 3—6 lin longo acutis v. obtusis mucronatis mtegeriis v. apicem versus obtuse dentatis coriaceis glabris, subtus glaucis-lepidotis et in nervo medio subtomentosis, vena utroque late 6—9 nervis patentibus, amen

- lⁱs cylindricis rectis, mnsulis solitariis v. subpaniculais; floribus glomeratis; fructibus >n rhachi dense spicatis sessilibus; cupula hemisphaerica appresse squamulata, nqcula ovoidea v. ellipsoidea (semipollicari) triplo brevior. — *Qu. acuta* Sieb. Hb. — *Qu. glauca* Bürger mss. — *Qu. glabra* Bürger mss. — In Japonia.
14. 'QU. ARCAULA Hamilt. in Spr. Syst. vegetal. HL 857. — Blume I. c. no. 656. — *Qu. spicata* Sm. — Wall. Pl. Asiat. rar. 1. 40. tab. 46. — *Qu. elegans* Blume, Bijdr. p. 518; Cupulif. 20. lab. 10.
P. *racemosa* Blume 1. c. — Nuculis saepe depresso - hemisphaericis. — *Qu. racemosa* W. Jack.
7- *microcalyx* Blume I. c. — Foliis textura magis chartacea, reticulatione nter venaslaerales disinctiore; fructibus minoribus. — *Qu. microcalyx* Krthls. — *Qu. anceps* Krthls. Verhndl. nat. Gesch. p. 204. & 206.
15. QU. CRASSINERVA Blume 1. c. p. 292. no. 661. f - Ramulis glabris; foliis e basi acutiuscula v. obtusa elliptico - oblongis lanceolatisve 4½—7-pollicaribus, lⁱ*—3 poll, latis, petiolo 3—4 lin. longo) acutis v. acuminatis integerrimis coriaceis firmis glabris, venis in quovis latere 8—10 arcuato - patentibus, supra impressis, subtus forlitter pro-rainentibus; amentis axillaribus et terminalibus simplicibus rectis (fructiferis 3—9 poll, longis); fructibus in rhachi pluribus spicatis sessilibus. — In sylvis monlanis Kendang (??)
16. QU. KORTHALSII Blume 1. c. no. 664.+ — Ramulis junioribus subtomentosis; foliis e basi acuta v. obtusa ellipticis v. elliptico - oblongis (3½—7-pollicaribus, lⁱ/*—3y_a poll, latis, petiolo 3—4 lin. longo) acuminatis v. cuspidatis integerrimis coriaceis, subtus fflaucinis v. pallide cinereis, in nervo medio utrinque et in venis (his in quovis latere y—14 subparallelis) sublus furfuraceo-tomentosis; amentia monoicis simplicibus. — *Qu. pruinosa* p. Blume, Flor. Jav. Gupulif. 10.
P- *Kajan.*: ramulis novellis foliisque subtus praesertim in nervo medio et venis furfuraceo - tomentosis.
V* *pachyphylla*: ramulis novellis parce furfuraccis; foliis e basi rotundata v. acutiuscula elliptico - oblongis (3—5-poll., 17a—2A poll, latis, petiolo 3-lin.) obtuse acuminatis coriaceis firmis glabriusculis; cupula subacetabuliformi dense squamuloso-aspera.
p* *mappacea*: ramulis tomentosis; foliis ovalibus v. oblongis (4—7-poll., 4½—4 Poll, latis, petiolo 3—5-lin.) utrinque subacutis v. breviter cuspidatis coriaceis, in nervo medio et venis utrinque subtomentosis; amentis paniculatis axillaribus et terminalibus — *Qu. mappacea* Krthls. Verb. nat. Gesch. 202.
e* *hystrix*: ramulis tomentosis; foliis e basi acuta ellipticis v. oblongis coriaceis, in nervo medio et venis utrinque subtomentosis; cupularum squamulis longioribus 'Ubsquarrosis. — *Qu. Hystrix* Krtbls. 1. c. 201. — Java, Borneo, Sumatra.
17. QU. PLUMBEA Blume 1. e. p. 293. no. 666. f - Ramulis junioribus furfuraceo-lepidotis; foliis oblongis v. lanceolatis (3—5½-pollicaribus, 1—1A poll, latis, petiolo 2—3 lin. longo), utrinque angustatis integerrimis coriaceis glabris, subtus plumbeo-lepidotis, y[^]nis in quovis latere 10—ii parallels; amentis masculis ramosis, foemineis simplicibus >n rhachi subracemosis breviter pedunculatis; cupula squamuloso - muricata. — s«matra.
18. QU. NITIDA Blume, ^ c p. 294. n. 667. f — Ramulis novellis glabris v. sublepidotis; foliis e basi *acuta* v. *angustata* oblongis lanceolatisve (3½— 6-pollicaribus, lⁱA—2A Poll, latis, petiolo 4—6 lin. longo) acuminatis integerrimis coriaceis glabris lucidis, venis in quovis latere 7—9 arcuato-patientibus; amentis simplicibus rectis; floribus ~~maculis~~ interrupte glomerulatis, foemineis solitariis; fructibus in rhachi spicatis ~~sessilibus~~; cupula turbinata squamuloso - luberculata.
P. foHls subtus grfseo - lepidotis. — Sumatra.

P *Folius serratis*

10 QU IWIRSA Lindl ft Ihxt Flow gard I p 58 fig 36 — Sempervirens, lamis lomoniosis, Coins comcois obovniis peliolatis cuspidatis oblusis nunc apice sorratis Mipi i ghbcrnmis, sublus ghuco - tomentosis, glandibus spicalis obovatis, cupula bievi tomentosis squamulosis multo longioribus — Habitat in Aluca septentrionali

10 OU Sff MOPHYM V Imdl aPaxt 1 c p 59 fig V — Sempervirens lamis glabus, lulus peliolatis tomccis glandibus acuminatisobtusis, ulna mediumgrosse serratis, siipn hovibus, subtus glauco-piibescensibus, glandibus sphaericis paulo ultra cupulam protrusis, stipulis tomentosis, squamulis elevatis quasi tuberculatis — Habitat in Cluna septentrionali

11 OU GLAISDULIFRRA Blume, Mus bot Lugd Batav p 295 no 672 + — Ramulis novellis pube oppressis, folus o basi infundatim v oblongis rarius acutiuscula ellipticis v oblongis lanceolatis (2—5-pollicanibus, 1—2 poll latis, petiolo 4—6lm longo) acutis v mucronatis v passim obtusiusculis, infra medium ad apicem glanduloso - serratis. ilianacis, nudus supra glabris, obtusis glaucis et pube rara sericea obsitis, novellis supra pube sencea appressis, subtus canoscenti-spicatis, vems in quovis latere 7—12 pinnatis, amentis masculis filiformibus laxis pendulis, foemineis brevibus reclispaucifloris, fructibus in racemulo brevi sessilibus spicatis. v solitariis, cupula hemisphaerica squamulis appressis, nucula ovoideae ellipticae duplo v triplo brevior

ft. subattonuata folus brevius peliolatis c basi obtuse v mucronatis oblongis lanceolatisve (2—4³/₄-pollicanibus, 1/2—1 poll latis, petiolo 2—4lin longo), nucula ovoidea

Y mapquali • senata folus brevissimus peliolatis c basi oblusa v acutiuscula ovato-oblongis (1³/₄—4³/₄-pollicanibus, 1—2 poll latis, petiolo 1—2 lin longo) inaequaliter glanduloso - serratis, nucula elongata - elliptica

5 subcienata' folus brevissime petiolatus c basi obtusa v acutiuscula oblongis v obovato-oblongis (2—4¹/₄-pollicanibus, 1/2—2 poll latis, petiolo 1¹/₂—3 lin longo) glanduloso - serratis v dentatis

e yolyoipha fons brevissime petiolatis c basi obtusa v acutiuscula ellipticis v oblongis obovatisve (1¹/₂—3¹/₄-pollicanibus, 1/2—2 poll latis, petiolo 1—2 lin longo) acutis v interdum obtusis glanduloso - serratis, nucula ovoidea v elliptica — Habitat in Japonia

& QU URTICAEFOLIA Blume I c p 296 no 678 f — Ramulis novellis senceo-puberulis, folus e basi acuta obovatis v obovato-oblongis (2—4³/₄-pollicanibus, 1/2—2³/₄ poll latis, petiolo 1—6 lin longo) acutis v breviter cuspidatis, supra basin ad apicem grosse dentato - serratis (dentibus v serratis glanduloso - mucronatis) membranaceis v subchartaceis, supra glabris, subtus pube sencea appressis, venis in utroque latere 7—12 subparallelis, amentis aequalibus solitariis, masculis filiformibus laxis pendulis, foemineis hiemis ex epice paucifloris, fructibus solitariis geminis sessilibus, cupula hemisphaerica, squamulis longis densis linearibus subulatis, apice patentibus obtecta

P folus brevius petiolatis, basi acutis v obtusis — In China & Japonia

23. QU CANESCENS Blume I c 679 f — Ramulis novellis senceo-pubescentibus; foliis eubsepalibus, e basi obtusa oblongis v obovato-oblongis ovalibusve (1/2—1¹/₂ poll longis, 1/2—1 poll latis, petiolo 1/2—1 lin longo) acutis v obtusiusculis, supra basin ad apicem glanduloso - serratis chartaceis, supra pube sencea appressis v glandulosis, subtus canescenti-senceis, fructibus aequalibus solitariis v conglomeratis sessilibus, cupula ovoideo - globosa, squamulis elongatis densis linearibus subulatis patentibus v appressis obtecta — In Japonia

24.*QU. SERRATA Tbnbrg. — Willd. Sp. pi. IV. 421. — Blume I. c. no. «fo. +

(J. *tanbakusii* Blurae I. c. p. 297. — Foliis vulgo grosse cuspidato - serratis, aubtus pube siellari rara obsitis et in aiillis venarum barbatulis.

7. *attenuata* Dlume I. c. — Foliis angustioribus (2—8 - pollicaribus, 6—15 lin. latis, petiolo $\frac{1}{2}$ —1 poll, longo), basi saepe attenuata, ad apicem interdum obtusls.

8. *nana* Blume I. c. — Foliis angustioribus el minoribus (1V«—3 - pollicaribus, 4—7 lin. latis, petiolo 2—3 lin. longo.)

£. *obtusata* Blume I. c. — Foliis brevissime peiolatis oblongis v. lanceolatie (I¹/*—5-pollicaribus, Vi—i¹/s poll, latis) neutis v. utrinque obtusis.

25. QU. VARIABILIS Dlume I. c. p. 297. no. 676. f — Ramulis novellis parum stellato-tomentosis; foliis breviter petiolatis e basi obtusa v. subcordata oblongis v. superne passim latoribus et subpanduraeformibus (3V₂—7'A poll, lon[^]ls, 1>A—2Va poll, lalis, petiolo 3—4 lin.) acutis v. obtusis cum mucrone cuspidato - serratis v. repando-cuspidato - serrulotis subcorlaceis, supra lucidis, subtus canescenli-tomentosis, venis in quovis latere circiter, 15—22 parnlellis; fructibus subsolitariis sessilibus; cupulis hemisphaericis, sguamulis longis densis subulatis squarrosis muricatis, nuculu subglobosa semi - immersa. — In Japonia.

C. *Foliis sinuatis v. inciso-dentatis.*

26. QU. ALIENA Blume I. c. p. 298. no. 678. + — Ramulis glabris; foliis obo?atis T. obovato - oblongis (3—8-pollicaribus, i¹/₂—4 poll..latis, petiolo 3—10 lin. longo) aculis v. oblusis, bnsi plerūmque angustatis rarissime obtusis, grosse sinuato-dentalis (denlibus inaequalibus obtusis v. rolundatis rarissime aculis cum mucronulo) ohartaceis, supra glabris, subtus indumento stcllato canescente obtectis, venis in utroque latere 10—13 crassis patentibus; amenlis axillaribus brevibus spicato - paucifloris.

(J. *pellucida*: Foliis (2Vi—9-pollicaribus, 1—4 poll, latis, petiolo 2-5 lin. longo) membranaceis, utrinque glabris, in nervo medio et venis subtus pilis raris tandem evanescentibus obsitis. — In Japonia.

27. QU. CRISPULA Blume I. c. no. 678. f— Ramulis glabris; foliis subsessilibus e basi obtusa v. subcordata elliptico - v. obovato - oblongis (2¹/*— 7-pollicaribus, l'A—3ty poll, latis) acutis grosse duplicato - serratis (serraturis inaequalibus ovatis acutis) char-taceo - membranaceis, subius glaucinis, adultis glabriusculis, in nervo medio et venis (bis in utroque latere 9—14 parullelis) subtus subpubescentibus, novellis utrinque pllo-siusculis. — In insula Nippon.

Sect. II. *GYROLECANĀ*: Cupula nuculam cingente, squamulis in gyris spiralibus v. concentricis unitis.

a. *Foliis subinlegerrimis.*

'#• QŪ. BUERGERII Blume I.e. p.229. no.681.-r— Ramulis novellis ocraceo-tomentosis; foliis e basi Rcuta v. obtusa orails v. ellipticis v. elliptico - obloogis lanceolatisve (2>_a—5-pollicaribus, ''/4-2¹/₄, poll. latis, petiolo 7i-2¹/₄ poll, longo) longe acuminatis integerrimis v. ad apicem repando - crenulotis coriacels firmis glabris, venis in utroque latere 9—13 tenuibus patenlibus; amenlis foemineis brevibus rectis paucifloris; fructibus in rbaclii paucis spicalis sessilibus, cupula bemisphaerica coocentrice lamellate, nucula ovoidea v. ellipsoidea umbonata vix duplo bteviore. — *Qu. gemelliflora* Bürger ttss. — In Japonia.

- 29 QU 1'BLODOANMILATA Ulme 1 c no 683 f— Raiuulis glabris, **folns** e basi acua unpustuia oblongit lanceolaiisvc (9—572 pollicanbus, 1'«—2poll Intis, peiolo 4—6 hn longo) longf icummjiit Iniegcrnmis conaceis glabns sublus cineieo- v argyralo-lepidotii, \enit in quovis hicit 10—14 arcuitis subparollclis, amentis masculi* fasugialo- pamculaiis, fo<mmcis sunpliubu*, floribus masculis mlrrrupte - glomcrujalis, foemimis soluaais, limljbui ID ilnclii «pi<JUS sesslibu*, cupula npphnato-bcmisphae-ncu LoncnincL uinulaia iimiih Ixmitpliacnco otoidea \ix dimidio breviorc — *Qu annulata* Kilbls nee Sin) — In Suimra
- 30 QU nSMANMI UIUIML I I > JOG no (>87 f — Hunulis glabris, folns t bast acu uuscula v obiusa oblongis (4—9 poll longis, IVJ—3½ poll latis, jtenolo 3—51m longo) acuiis v bi(\iiti obtuse icumimiis integenimis coriaccii fli mis glabris, sublus albido-tjiitrasceriul>us., VIII<> in quovis laicrc 10—14 aicunto - patenlibus, amentis simplicibus rcctis, floubut inibculis dense gloincrucralis, focmintis «olitains, fiuctibus in rhachi spicaiis sesbilibus, cupula tcclabuliformi conceuince coslaia, nucula bemisphaenca v ovoidco -beinisphaciica duplo v tuplo breviorc — In insulis Java ft Sumatra

b *lolus 8Ciatis*

- 31 *QU GLAUCA Tbnbrg — Milld Spec pi I\ 430 - Ulme 1 c p 302 no 695 f
- P *nudala ffolus* a UHMIO ad apjeem serrulaiis vel icpando-ioucronulatjs con-tolonbus vcl sublus paium glaucinis
- Y *fawiata* Folns a medio ad npicrm crcmto-seiratis vel repando-sccrulaiisi ei passim albufo-fasciatis
- 5 *htenoihylla* Folns angusuoribus lanccolaiis (2 — 5½_a- poll, 6 — 15 lin latis) longt acuminaiis, a medio ad apitem scirulalis, sublus glaucis vol niveis
- C *encua* Folns lanc^oluto oblongs 3%—5'A-pollicanbus, ('A—1'A poll latis, peiolo 3 — 4 lin longo) bicviter obtuse acurainalis, a medio ad apicem acute serratis, j>ubius cuesiis, venis distantionbus

t *špeoles minus oognitae.*

a *lulus intcgrumis*

- 32 QU PJNAN(>A Dlume I c p 303 no 696 f- Ramulis glabris, **folns** elliptico-oblongis Janceolatisve (4%—8'A poll longis, 1½,—3 % poll laUs, peiolo % — 1 poll longo), ulrinque angusiads inicgenimis membianaccis glabris, siccotis supra olivaceis, venis in quovis lateie 9 — 12 arcuilo-palentibus leticulalione sublili connexis — In Java occidental)
- 33 QU LITORALIS Blume 1 c no 697 f— Ramulis glabris, folns oblongis vel oblongo-hnceolaiis (4V₂—fi'i poll longis, 1'i—2 poll hits, peiolo 2—3 lin longo), ulrinque anguslalis inlegerninis chartaceis glabris, siccolis pallide fuscis, venis in quovis laiere 9—U ircualo-palulis reuculo donso connexis — In Java nustrali
- 34 QU SPHACLATA Blume I c p 304 no 698 f — Ramulis glabris, **folns** cuneato-oblongis (10—15-poll, 2y₄—3½ poll hlis>, petiolo 2-3-lin) aculmsculis vel obtusis cum mucrone sphncehto mtegernmis chaitaceis glabris, siccatis supra'oliva^eis, sub-lus palhde luscis, venis in quovis latere 18—20 oicunlo* patulis reuculo denso con-nexis — In Jiva msula
- 35 QU PYRIFOLFA Olume I e no 6W f — Ramulis jumonbus puberulis, folns obovrti* vcl cunento - oblongis (3 — 4½₂ poll longis, 1½,—2% poll latis, stirpm junions 7—•-pollhcanbus, 3-4 poll latis, petiolo 2—3 lin longo) oblusis vel plerumque **in acumen**

obtusiusculum contactis Imogenimi» chailliteis glabrit, icraus supra pallide olivaceo, sublus palhde fuscis, junionbus siccalo rufescentibus vel luridis, venis in quovis laiere 5—8 arcuato-patentibus reticulo fenso connexit — Ja\|a

- 36 QU (LUTINOSA Blume It no 700 f— Ramulis glabns, folus «lliplico-oblongis vel oblongo-lanteolaiis (5—8-pollicanbus, 1%—3¹/₄, P^{o11} Inlls; petiolo 4—6 lin longo) ulnnq; angustaiis inlegemmis conace s glabns, supra lucidis, subtus plumbeis, siccais biipia c fusco bepaiicis, venis in quovis latere 7—9 arcuato-patentibus reticulo denso mconspicuo connexis — In Ja\|a occnentali
- 37 Q[] MARGINATA Blume I c no 701 f— Ramulis novellis ingulatis gilvo-tomentosis, folus elliptico-oblongis \cl oblongo-lanceolatis (3—7 pollnaribu*, 1'¹/₄—2¹/₄ poll lalis, petiolo 5—1¹/₂, poll longo) obusc nnummaiis, basi in petiolum angustaiis integemmis subunduluis ronaceis glabus, veins in quovis latere 8—13 subparallelis, sublus prominibus et reuculatione densa irregular Her arcuaia juncin — Q glabra Btger ross — In Japoma
- 38 QU LAFVIGATA Blume I c no 702 f— Ramulis glabns, folu* oblongo-lanceolatis (5—7-pollicanbus, 1'¹/₂—2 poll latis, petiolo 1¹/₂—1 poll longo) longe acuminatis, basi in petiolum angustaiis integemmis vel ad apicem pleruraque repando - crenulais coriaceis glabns, \enis in quovis latere 11—13 subparallelis, subtus promemibus et reticulatione subuli subarcuata junctis — In Jiponia
- 39 QU SESSILIFOLIA Blume 1 c p 305 no 703 f— Ramulis novellis subulissimis, folus subsessilibus e basi angusta lanceolatis (2'¹/₂—4-pollicanbus, 8—14 lin latis) acuminatis integerum subconaceis glabris, venis in utroque latere 7—11 arcuato-patentibus, sublus parum piomuMilis el reticulatione densa subulissirna junciis — In Japoma (vorosimilner iniroducia)
- 40 QU SALICINA Blume 1 c no 704 f— Ramulis novellis pubescentibus, folus e basi acutiuscula vel subrotunda lineam-lanceolatis (1¹/₂—3¹/₄ poll longis, 3—6 lin latis, petiolo 2—3 lin longo) acuminatis iniepmis, ranssime remote serrulatis, coimceis, sublus plerumque glaucis, ndultis glabns, novellis nubtus appiesse pubesceniibus, venis in utroque latere 7—11 lenuissimis arcuato-patulis vix conspicuis — In Japoma

p. *Fohis senatis*

- 41 QU MYRSINAEFOLIA Blume 1 c no 705 f— Ramulis glabrusculis, foliis e basi acuta lanceolatis (2—4-pollicanbus, 7—12 lin latis' petiolo 4—6 lin longo) longe acuminatis, infra medium ad apicem glanduloso - serrulatis chariaceis glabns, subtus glaucis, venis in quovis latere 11—15 arcuato-patentibus reticulatione connexis — In Japoma
- 49 QU GILVA Blume 1 c p 306 no 706 f— Ramulis gilvo-tomentosis, folus e basi acuta vel oblusa ellipticus vel oblongis lanceolatisve (1—3% - pollicanbus, 7—16 lin latis, petiolo 2—3 lin longo) acuiis vel acuminatis vel interdum obtusiusculis, a medio ad apicem acute senatis conaceis, supra glabns, sublus gilvo-tomentosis, venis In utroque latere 7-11 parallelis

P *procera* folus majonbus lanceolato - oblongis — In Japoma

y, *Fohis sinuatis vel incisa-setratis*

- 43 QU GROSSESERRATA Blume I c no. 707 +— Ramulis novellis glabris, folus e basi obtusa obovato - oblongis (<4>/9—7 - pollicanbus, 2 - 2% poll latis, petiolo 1¹/₂—1 lin longo) acuminatis medio-serratis (serratis leviter incurvis acuiis, apice ^hacelatis, InBrnis parvis obtusis) membranaceis, in nervo medio et venis (his in quovis latere circiter 11—17 parallelis), utnq; subpubescentibus. — ID Japoma

44. QU. LACERA filurae 1. c. no. 708. f — Ramulis no?ellis fusco - velutinis; foliis e basi cuneato-integerrima oblongis ($2\sim 3^1A$ -pollicaribus, $\frac{3}{4}$ — $1\frac{1}{2}$ poll, latis, petiolo 2—4 lin. Jongo) acumiDatis inciso-Jaceratis (laciniis setaceo-acuminatis vulgo inaequaliter serratis) chartaceis, supra glabriusculis, subius pubescemibus. — In Japonia.

t Ieones addendae.

- QU. MACROCARPA Michx. — Endl. 1. c. p. 24. no 1?.— Torr. Flor. of New York II. 191. tab. 108.
 QU. NIGRA Linn. — Endl. I. c. no. 22. — Torr. 1. c. 188. tab. 105. -
 QU. PALUSTRIS Du Roi. — Endl. 1. c. p. 25. no. 30. — Torr. 1. c. 190. tab. 107.
 QU. PHELLOS L. - Endl. I. c. p. 24. no. 18. — Torr. I. c. 187. tab. 104.
 QU. PRINOS 5. PUMILA Michx. — Endl. I. c. no. 13. — Torr. 1. o. 193. tab. 109:
 QU. RUBRA L. — Endl. I. c. no. 25. - Torr. 1. c. 189. tab. 106.

1846. SIKAEDBIS Lindl.

(Lindl. Introduce [edit. 2.] p. 441. — Hance in Hook. Kew gard. misc. I. 175. [Char. ampliQc.]

Glans ossea, basi rotundata, parte superior! depressa vel interdum pulvinata, indumento raso tomentoso instrata, apice subumbonata, maxima pro parte cupulae immersa, incomplete 4—5-locularis. Cupula lignosa hemisphaerica, glande parum brevior, extus squamis ovato-triangularibus, dense imbricatis vestita, intus glabra. Semen pendulum totam glandem replens, testa membranacea, embryo exalbuminoso orthotropo, cotyledonibus maximis 4—5-lobis rimoso - sulcatis, radícula supera. — Pars glandis, quae e cupula eminent, paulo obducta, ita ut cupula abscissa nux sit quadantenus phalimorpha. Fructus sinice *schili*, i. e. castanea lapidea, vel *king li* i. e. castanea Pekinensis, -e provinciis borealibus imperii Chinensis allatur, in foris oppidorum meridionalium hyeme venalis, saporem *Castaneae* aemulatur. Frustra hucusque specimina arboris viventia quaesita.

1847. FAOCS Tournef.

(Endl. Gener. plant. Suppl. IV. U. p. 29. [Synops. spec] — Wlprs. Annal. J. 636.)

1. F. CRENATA Blume, Mus. bot. Lugd. Bat. 307. no. 709. f— Foliis e basi subrotundata vel subcordata ovalis ($1V$ — 2^a — 17 » poll, latis, petiolo $1\frac{1}{2}$ —3 lin.) obtuse crenatis, margine etiorvenis subius pubescentibus. — *K ferruginea* Siebold (nee Ait.)
 p. *procera*: Foliis majoribus ($2^1\frac{1}{4}$ — $4V_2$ -pollicaribus, $1\frac{1}{2}$ — 2^1A poll, latis, petiolo 2—5-IJD.) obtuse crenatis vel repandis.
 Y* *undulata*: Foliis minoribus (1^1A —2-pollicaribus, 5—10 lin. latis, petiolo 1— $1\frac{1}{2}$ * lin.) ovatis vel ovato-oblongis obtuse crenatis undulatis. — In Japonia.

t loon addenda.

- F. FERRUGINEA Ait. - Endl. I. c. no. S. - Torr. Flor. of New York II. If*. M*. **°.

1848. CASTAHTEA *Tournef.*

(Endl. Gener. plant. Suppl. IV. K. p. 29. [Synóps. spec] — Wlprs. Anna!. I. 636.)

Foliis integerrimis.

1. C. GLOMERATA Blume, Mus. bot. Lugd. Bat. p. 283. no. 641. + — Raraulis junioribus glabriusculis vel-pube stellata obsitis; foliis e basi acuta ellipticis vel elliptico-oblongis (3—6-pollicaribus, $1V_4$ — $2y_4$ poll, latis, petiolo 4—8 lin. longo) acutis vel obtusiusculis obtusisve cum mucrone, integerrimis coriaceis glabris, supra nilidis, subtus pallide griseis, venis in utroque latere 10—12 utrinque prominentibus et reticulatione arcuata connexis. — *Quercus glomerata* Rxb. in Wall. Cat. 2791. — Sumatra.
2. G. ACUMINATISSIMA Blume 1. c. no. 643. + — Ramulis junioribus pube rara'obsitis; foliis e basi acuta lanceolatis vel oviito-lanceolatis (2—4-pollicaribus, 7—15 lin. latis, petiolo 2—4 lin. longo) acuminatissimis integerrimis vel superne obtuse denticulatis, supra glabris et obsolete venosis, subtus gilvo-lepidoiis et in nervo medio et veois - (his in utroque latere 17—11 reticulatione inconspicua connexis) pube rara obsitis. — In Java orientali.
3. G. COSTATA Blume I.e. p. 284. no.644.+ — Raraulis junioribus furfuraceo-tomentosis, foliis e basi acuta ellipticis v. ellipiico-oblongis (3—9-pollicaribus, iy_4 —4 poll, latis, petiolo 4—6 lin. longo) acuminatis integerrimis coriaceis, supra glabris lucidis, subfuis indumento siellato sordido ochrascente obductis costato-venosis, venis in utroque latere 11—17, supra impressis, subtus fortiter protuberantibus et venulis arcuatis connexis. — In Sumatra insula.
4. C.? SESSILIFOLIA Blume I.e. no.656.f- Ramulis junioribus pube rara obsitis; foliis subsessilibus e basi nngulata v. aculiuscula lanceolatis v. ovato-lanceolatis (3—6-pollicaribus, $\frac{3}{4}$ — $\frac{1}{2}$ poll, latis) longe acuminate integerrimis, rarissimae superne obtuse serratis chartaceis glabris, in nervo medio et venis (his in utroque latere 8—10 tenuiter utrinque reticulatione densa parum conspicua junctis) subtus pube rara obsitis. — In Java.

"" *Foliis serratis.*

- 5- G. BUNGEANA Blume I. c. no. 647.+ — Ramulis junioribus glanduloso-pulverulentis et subpubescentibus; foliis e basi rotundata v. subcordata ovato-oblongis v. ellipticis ($3\frac{1}{4}$ —5-pollicaribus, iy_2 — $2\frac{1}{4}$ poll, latis, petiolo 6—7 lin. longo) acuminate, satis grosse cuspidato-serratis membranaceis, supra glabris elevato-punctulatis, subtus indumento cano stellato tandem deliquescente obductis et in nervo medio et venis (his in utroque latere 10—15 venulis irregulariter arcuato-angastomosantibus junctis) appresse subpubescentibus. — *C. vesca* Bnge. (nee alior.) — China.
6. * C. JAPONICA Blume, Bijdr. p. 524. a Mus. bot. Lugd. Bat. no. 648. + — Endl, I. c. 30. no. 14. — *C. vesca* (S. *pubinervis* Hsskrl. — *Fagus Castanea* Thnbrg.

P. *quercina* Blume, Mus. bot. Lugd. Bat. p. 285. — Foliis e basi subcordata v. obtusa v. acuta oblongis lanceolatisve (3—5-pollicaribus, t — $1\frac{1}{4}$ poll, latis, petiolo 2—5 lin. longo) acuminate setaceo-v. inaequaliter dentato-serratis chartaceis, in nervo medio et venis subtus pubescentibus.

Y- *Umgispina* Blume 1. c. — Foliis praecedentis, sed margine setaceo-serrulatis et venis magis approximatis; fructuum echiois elongatis.

8. *kusakun* Blume I c — Folus sessilibus c basi obtusa oblongis (1/2—3Vs* pollicanbus, 1/2—1 pull Inln, puolo I—1/2 lin longo) ncutis v breviter ncutinalis v oblongis mucronato - serratis, in nervo medio et venis subpubescentibus.

C *cunata* Blume I (— Folus e basi rotundata v subcordata ruro ncutiuscula oblongis lancohusve (3—5 1/2- pollicanbus, 1—2 poll laus, puolo 2—5 lin longo), acuminata serratis, subtus obsolete glanduloso-pulverulentis el in nervo medio et venis luteis.

£. *ookasi* Blume I c — Folus praecedens, sed basi saepe acutiusculis

r. *spontanea* Blume I c — Folus ul in Vni e, sed subius punctis glandulosis cernentibus el in nervo medio venaque pube lara appressa oblongis

%• *vulqaus* Blume I c — Folus e basi oblique rotundata v subcordata oblongis acuminata serratis - mucronulatis, subtus obsolete glanduloso-pulverulentis el in nervo medio et venis subpubescentibus

t. *siba-kun* Blume I c p 286 — Folus ut in C> sed ad basin saepe obliquis, serratis raagis cuspidatis, novellis subtus punctis glandulosis cernentibus oblongis

X *obleita* Blume I c *- Folus praecedens, sed petiolis saepe longioribus (3—8 lin) subconatis serratis - v crenatis - serratis, subtus indumento stellato gaseo oblongis et in nervo medio et venis pubulis

X *Uonguta* Blume I c — Folus praecedens, sed longius subulato - acuminata basi subcordata v oblongis v angustatis, venis magis approximatis, amentia elongatis in nervo medio glomeratis

(X. *canescens* Blume I c - Folus praecedens, sed indumentum subtus canescens el in nervo medio el venis glabris, amens brevioribus cylindricis

V. *Hindu* Blume I c — Folus o basi rotundata • subcordata oblongis v oblongo-lanceolata (2—1/2- pollicanbus, 1/2—1/4 pull Inln, puolo 2—3 lin longo) acuminata serratis - serratis subconatis, subtus dense glanduloso - pulverulentis et indumento stellato oblongis el in nervo medio el venis hirsutis — *Cant atricata* Sieb Re ULC. — *C pumila* Sieb mss — In Japoma colitur

7 C ? MOLLISSIMA Blume I t p 286 no 649 f — Ramulis junioribus hirsutis, folus e basi obtusa v subcordata oblongis (2—6 pollicanbus, 1/2—2 1/2* poll laus, petiolo 2—1 lin longo) acutis v breviter acuminatis repundo-mucronatis - serratis ibonatis, supra glabris, subius molliter pubescentibus, nervus in utroque latere 12—16, supra reticulacione venularum dense, subtus venulis subarcuatis - anastomosantibus vis conspicuis connatis — f *pumila* Bl Bijdi 525 (nrc olior) — Java

t Icon addenda.

C. SATIVA Mill - Kndl I c no 1 — Toir Flor of New York II. 195. f tab. 111. (vor)

Ordo CGXIV. ANTIDESMACEAE *wiprs.*

(ANTIDESMEAE Supet — findl Gener phnt p 287, Suppl I p 1376, II p 30, IV II p 37 — Meisn Gener plant \oscul I 347 II 258 — VMprs Annal I 637)

1892. AHTDIDESItIA *Linn* *)

(Linn Gener pi no 1110 ft 1273 — Wiprs Annal I 637)

- 1 A VESTITUM Prsl Epimeliao bolamcac p 232 f — Tomentosum foliis obovatis rotundito-obtusis retusmp, basi oculis, slipulis subulatis ocnis adprossis fugacibus, poiolo dupio breviorilnn, spicis cylmdncis axillaribu9 simplicibus lermnalibusque composing, flonbus sessilibus glomeraiis triandns, bracteis ovalis acutis adpressis, pengomo quinquefldo bicvionbus — Habitat in msula Luzon
- Z A MAHTAHANICUM PIsi I c p 232 + — Ramulls, potiolis, costn foliorum supra rbacbique mecmi tomrniosis, foliis clipticis nbrupte acuminatis oculit mucronulaiisvc iiliniis, Itasi obtur*« rotundaiisque sulitus in oostii, HM VI« vemsque dense pubescenlibu^, stlpulis foliaccis clijtticis ocumiiniis cilmtis pdiolo dupio tnplovo longioribiis, nltera minore, spicis anllanbus solitnnis icrininalibusqio pnmculaus gracilibus, brncteis lineanbus aculis ciliatis pedicello longioribiis pengomo acute trilobo hirsutulo tnan-dro — Habitat in Martabarua ad Moulmme
- 3 A UARDATUM Prsl 1 c p 213 f — Hnmulis novellis pedunculisque tomentoso-velutinis, foliis cliptico - lanceolaiis acummatis obtusis mucronulalis, utrinque nmdulis gtabris, basi obtusis, costa supra tomeniosa, subtus nervisque pilis rans strigosa, anllis nervorum subtus barbato - ullosis, peiolis supra pubeaceniibus, slipulis subulails minulis fugacibus tomentosis, spicis axillanbus terminalibusque simplicibus paniculatisque, bracteis ovalis ecutis villosis pedicello aequilongis, perigonlo acuto quadrifldo TIMOIO letrandro — Habitat in insula Luzon
- 4 A SALICIFOLIUM Prsl I c f- Ramulif, petiolis, costa nervisque foliorum spicisque villosissimis, foliis oblongo-lanceolatis ncummatissimis aculis, basi aculis obtuusve, junlonbus dense ciliatis, stipulis oblongo-lanceolaiis acutis peiolo longionbus, extus villosa; spicis terminolibus subpnmculalissimis, bracteis lineanbus aculis hirsutis, pedicellum superanlibus, pengomo masculo arute quadnfldo piloso ciliaio hoiandro — Habitat in insulae Luzon provincia (.ajajan
- 5 A CILIATUM Prsl I' c p 234 f — Ramulis novellis dense pubescentibus, foliis oblongo . Innceolatis acuminatis mucronatis, basi aculis, supra nitidis, peiolis in canaliculo costaque subtus basin \ersus strigoso-pilosis, stipulis ovatis acuiusculis adpies-»is, extus dense pubescentibus, spicis axillanbus terminalibusque solitarns, folio bre-

*) NuperplmIfanno 1851) hujus jronens monogiapbia elabornta est ab ill TULASNE (Ann ic. naiur (3. S<5r.) JCV. 180-265), quam conferaa

vionbus, bracteis ovatis acutis ciliatis, flonbussubsessilibus, pengomo foemineo quadrdentalo glabnusclo ciliato, siigmatibus quatuor demum patenussimis — *A alxi-teiia* Honor — Habitat in piovmcn Batangas insulae Lu7on

- 6 A CORDIFOLIUM Prsl I c p 235 f — Folns oblongis ibruple acuminatis mucroni-
us, utnnque nitidis basi cordntis icquilatens ramulisque glabernmis, stipulis
spicis solitams termmilibus folio biovionbus, bracteis ovitis acutis ciliolaiis, flonbus
subsessilibus, pengomo fo<mineo quadndentato ciliato glabro, stigmatibus quaiuor
demum patentissim — Ihbiit in provincia I aguna insulae Luzon
- 7 A WALLIRHIANUM Prsl I c p 235 f — Ramulis angulatis glabris, folns lanceo-
latig acuminatis acutissimis ciliatis curlilagineo- marginalia, basi angustato-acutis, sti-
pulis linennbus obtusis petiolo duplo longioubus, apice pubescentibus, spicis pedun-
rulatis terminilibus soliiarns pnicul Uisque, flonbus sessilibus diandns, bracteis otatis
acutis pengonium quadnfdum aequantibus — *A diandra* Wall — Habitat in bilhel
Indiae onentahs

— —

Ordo CCXV. SALICACEAE *Lmdi.*

(SALICINEAF L (Rich — Ltidl Genor plant p 290, Suppl II p 31, Suppl IV II
p 38 — Meisn Genei plant vascul I 347 II 258 — Wlprs Annal I 638)

1903 SAIIX *Tournef*

(Linn Gener pi no 1097 — ttlprs Annal f 638 — Wimmer, *De SaUctbus hybudis*
[Flora B / XXXI 308 sq], *De Salicibus Silcsiacis* [Flora B Z XXXII 33 sq])

- 1 S MICLICUIIOFERI Sautcr, Flora (B Z) XXXII 662 — Amentis sessilibus, fructife-
ns pedunculatis fohatis rliaclu adpresse villosa, squimis villosis, slamibus glabris,
capsulis pedicellalis lanceolalo-lineanbus glaberrimu, st\lo elongalo, sligmatibus bi^f
fidis folns glabernmis OTBUS ellipticis lanceolatsve, dense serrulntis, lublus vindJbus,
supra nitidifl, stipulis semi cor da Us, npice obliquo — Crescii in Grossaartbale.
- 2 S DASYCLAQOS Wimmer, I-lora (B Z) XXXII 35 — Juli sessiles oblongi crassi
spis^i, squamae antice rotundatae mgucantes villosobarbotae, nectanum obloogum,
ovana conici lanato - tomentosa, stylo longo, sligmatibus longis extrorsum arcuatis,
lolia hnceolata longe acuminatn, subius glauca pubciula supera subtomentosn ramuli
annotim \elutino - tomentosi — Perlmet ad *Dtandras macrosylas angustifohas ovarto*
tomentoso donatas — Habitat in Silesia ad upas fluminum (rarissioie)
- 3 S AXILLARIS Anderson mss in A Richard, Tent flor Abyss II. 275 — Ramulu
glabufs, folns petiolatis ellipiico - aut ovali - lanceolatis acutis, basi obtusis, margloe
obsolete dentaiis subconaceis glabns glaucis reliculato-venosis; stipnlis caducis senn-
ovnli-acuus fulvo-senceis, amentis ramulos axillaies hutos termjmfutibus, teretibus
confertilloris, masculis dense hints, stamioibas saepius quinque inaequabbus, foeni-

neis ovoideo-oblongis; squama brevi obtusa lanato-birsuta; capsula oblonga subventricosa glabra, basi stipitata, apice stigmatibus tripartito terminata. — Habitat in Abyssinia proviincia Ouodgerate.

4. S. GYATHIPODA Anderson mss. in A. Richard 1. c. — Ramulis glabris; foliis brevissime petiolatis elliptico-lanceolatis parvulis acutissimis, basi sensim angustatis obsolete deniuculis glabris, praesertim subtus glaucis; amentis ramulos axillares terminantibus folio vix duplo superantibus, in masculis squama hirsuta, laminibus saepius 8, in foemineis squama brevissima oblusa convoluta cyathiformi glabra; capsula ellipsoidea utrinque acule punctata glabra. — Habitat ad rivulos Abyssiniae juxta Assai.
5. S. OCTANDRA Sieber mss. in A. Richard 1. c. p. 276. — Ramulis glabris; foliis obovatis - oblongis obtusis subspathulatis, brevissime petiolatis integris parvulis glabris; amentis foemineis parvulis ovoideis paniculatis; capsulis ovoideo-oblongis apiculatis glabris; bracteis ovali obtusa hirsuta. — Habitat ad ripas fluminis Tacazze in Abyssinia.

+ Icones addendae.

- S. CANDIDA Willd. — A. Gray, Manual of the bot. of the N. Am. Unit. States. 425. — Torr. Flor. New York II. 204. tab. 117.
- S. LUCIDA Muhlberg. — A. Gray 1. c. 429. — Torr. I. c. 208. tab. 119.
- S. PEDICELLARIS Pringle — A. Gray I. c. 429. — Torr. I. c. 212. tab. 120.
- S. TKISTIS Ait. — A. Gray 1. c. 425. — Torr. I. c. 205. tab. 118.

1904. POPULUS Tournefort.

(Linn. Gener. pi. no. 1123.)

1. *P. GRANDIDENTATA Michx. — Torr. Manual of the bot. of the N. Am. Unit. States. 431. — Torr. Flora of New York II. 214. tab. 121.

Observatio. *Utstowia* Wall. Pl. As. rar. III. 14. tab. 221., HENSLOWIACEARUM apud cl. Endlicher (Gen. pi. p. 291.) typus, ad *Lythraeas* perlinet monentiam jam cl. Meisner (Gen. pi. vascul. I. 118.) et cum *Crypteronia* Blume (Bijdrag. 1151.) oratione consocianda erit (Gf. Wlprs. Repert. V. 675.)

Ordo CCXVI. CELTIDACEAE *wiprs miss*

(CrLTII)IAI 1 ndl fien plant „ 276 — Meisn Genci pi \as,ul 1 348 II 159 - Wiprs Annil I (40 — UIIJKAU \h Tub 1 UIMA(TAI Subtnb II CFI TIDEAE Spach - IMdnclion Annul sc miui [3 Ser] X p 5W)

IIOKS polyMmi Pomnlhium profnde 4—5-partitum deciduum vel marcescens Filamenli a< stivatione incurva Antherae introrsae, hand imcrsae rudimentum pishlli in fionbus masculis obvium Dacca vel nux monosperma Semen pendulum amplntiopo-subcampylolropum, clmh/j mill iliro non Mibjocfn Cotyledone* anfiactuoso-conupatae \e\ tantum liansvoist conduplitat x Albumen paicum, radicuJam incurvam vapmans tt m hininnm mlia Lolyledonum plitam mediam LI uticam intfoniis&uiTi — Aiboiti) \t\ fiutices in regionibus temperatis ulriusque hemispli i< ii lame mli i liopiros f< quenliores, incimes vel sptosae Folii disicln I isi luncrvn MI lanus penmneivia Stipulae lateiales Jibene, vol jn imam inlraaxillaiem concielac Pcdjcelli sub flore aiticulah

I (1851) *CELTIS Tournef*

(Monchon, Ann sc mtur [1 Ser] X 262 — [Wlpis Anna! I 640])

Mores polygann climoipin *Mascid* Peinnlhium 4—5-parlituin, iacinus concivis ics'iNalioni \lddt nubicaLib Stamina tot idem sub pulvinulo piloso, cm riKlimontum pistilli insidct, hypogyne insert a Fihmont'i in *Celhde tetrandta* ft foi«?an <p aifinibus, elastice dissihentia, in aJus observalis incrfn *Antherae wclusae*, JOCUUS *hasi in sacculum minnlum berolifonueri*, mlcidum duplitcm tuinentibus, dorso supra tmai^jn tiuam luisiluicm aflivis, ic \u<i inlrorssis, rimis dehiscenliae

nniK itl i i MIIK mil ilnis ixhnmimn oliqui Mtsis mint Inlronis
 II > in ii in i 11 i 11 tain 11 i tin in si mi i i i i <> \inhim iliiio |iil(inrt
 Iliiil us Sll|_inuli (vi I s| in »VIM Ntyloiiiiiii pin H oliKoi"1,^11) (It « Idiin
 ttdci i .IM/UII ilc/i (olylnndoniMij foliaconrum, sibi undique appliotarum
 dinndn]MII< mduilir idmoli (uc ulhla baud plitala, le^peclu semi-
 ms poslirj (Jimiri im pailein supdioiPin, buisum lepliatdrn semi-
 involvenle — Arboies \el fruhces Folia tneivia

Sul^tnus I *FUCELUS* PLinclion 1 c 263

Sli^mala hncmia in(,ia Tloics masculi ad inlernodia ramulorum novcllonim (obis d< ^litula fasciculali, fascicuhs rQbemosis Pedicelli 3—5, jilmjtjie indji<?i uno \(\ *Micro* in quolibet fasciculo, supra basin bifido biforo P# duclli flor bormaphr in axilhs foliorum novellorum sohiam, •pcmini vd Icini illero saepe bifido, vel supra basin rudi-
 raento pedicelli accessom tuberculifonn aucto. — Arbores vel

uces jnormes, imprimis regiones tempeulas utrisque hemisphaen, piaeserhm boieahs, incolontes Rnmuli noxolli in ramis hrpme denudatis, e gemmis squamosi<? prodeunfe*, omnrs florifri, laussime sub evolutione pnma folns anrn practenh niox exuendis stffulti Folia pleruniqui senala, nunc pabsnu intepemiifi

1 C AUSTRALIS Linn — Planchon I r 283 f — Foil is o\nto - lanceolaiis, acutissimo cuspiilau*, bnsi inacquoli hmc acuds, simpliciior (vcl laii^simo *»ul»(luplrm(o-)s(»rrali8, seintuNs cuspidate sappius incums, adiilli* supia pilo&o - aspens vel subglabratis, subius molliter pubescentibus, pedicellis fiiiului» ptiolo duplo \el lnplo longionbus peliolisque puberulis, bacca globo»a gldburnnd puitiuie mgoso — Cioscil in Luropu australi, Afuta boieali cl in Oncnte

2 f CAUCASICA Willd — Planchon 1 c p 284 t — holiis oblique oblongo - ovatis, breviter acuminatis, ba&i bine aculis, illmc subrotundatis vel acuiiusculis, simpliciiei vcl subduplicato - ^erraiis, supra aspeio - pilosulis \ei glabiaiis, subius undique vel se^us nervos puboscenlibus, stipulis lineanbusi peliohs fohorum riitvelloium longio nbui, ovauo ovaio, apice piloso

a. Folns late oblongo-oxatis vel ovaiis, longius acurainalis, subius paice pubescentibus — *C Caucastca* Willd Spec pi IV 994 — *C aushalts* Fisch — *ieltis lournefoita* Hohenh

p. Folns oblongif), brevius acuminatis, subius dense pubescentibus — *Cellu> 7OM* ne/bi (ti Siev — Crescii a provincus Caucasica ad mare Caspiuin, in Persia et regno Cabulico

3 G GLABRATA Sttv mss in Hb Hook ex Planthon I c p. 285 + — Maberunia folns *I Lancubicat* stipule (pan summo eitepto) magms, Jinoan - vei Inlo obovaiis obuiitit, saepc Kiceis, ovano ovalo, apige attenunto, undique gldburnino, pyrona buccae lugosa — *C TuuintfoUii* M Bieb — *C Cuucwtica* lluhenh — Crescii in Asia minoie ct in piovmcns Cnucasjsis

^ t TOLRNLFOUTII Lamk — Planchon I c \> 28b 4. — Ramulis divaucatis valde UcxiiuMib, Roliis obliquo cordatis vel ovatis (rarms ovalo - ellipticis) oblusis vel s>ubauimumiis, profunde deniaiis vel crenatis (plerumque a basi fere), glauco-vindibus, adultis g/abns vei g/abnu&cuifs, *dent thus muaotmlalo ~ uncinnlaifi, stiginaubus m sylum laevem contluenubus, drupa (ciluna) pynformi, pjrena laevi, carims promiucnubus*

a *tivutum* Njiiu It fi liU pltii IIIII|III « 1 uiuuuu uilulioi HMM Inavlbu* vol *mublmvvlbum*
- f i l *turn tin It** AUDI

p. *aspei* a Audib foliiu plorumque serrulis, eifam adulils etobrils (supra saliem) — *C osjitia* lloriul non Uioiign — *C 7out* 11001 fa anptiu Audib Cat — *Cruscit* in Onente tt in *Cautauo, M diana*

5 C SINGNSIS Pers — Planthon 1 t p 28b f — Folns o\otis vel ovalo-oblongis acuminatis, basi atuiiuculn parum macqualibus, supra medium paucideniatis vel integernmis (nascentibus ferrugineo-puberulis), adullis glaberrfmis, pedltellls Horum hermaphiodilorum axillaiibus aoJiauis, liuculerid pe 1010 2—3-j»io Jouglorlbua; drupa mjnute cllijuoidea vel subglobosn aurauliaca — Cresoil iu China boreal)

> C. WILLDBiNOWIANA R ft 6th — Planchon 1. 0 p 287 f — FolHs ovato - oblongig acuminatis, basi anguataiis, a medfo ad apioera serratis, supra glabris, subius tfca-briusculitf — *C Stnensis*. Willd — *Crescit* in China el JaponiH

7 C MISSISSIPICNSIS Host - Planchon 1 t p 287 f - Folns oblique ovaiis, sensim acuminatis, basi valde obliquis, iniegiis vel supra medium pauudemaiis, uo'ide membranaceis laevibas, paginis ooncolonbus, supenore glabra nitida, infenore glabres-

ccente (necivis inuium pilis brevibus sparse), pedicellis (millions vel inlerdiim subbifloris) fructifens peliolo subduplo longioribus, baccis panacea (fulvo-brunnea) globosa, apice non autiuoto — *Ucciditalis* (J? *Unuijolta* Per*. - *C lauujala* Willd — *C otitdentalis* (5 *mtcyufulia* Psitt - 6 *inluji ijolia* Null — f resell in Amencas septentrionalis provincii* austrinonibus

- 8 C OCCIDENTALIS Linn — Planchon I t |i W f - Folius cuspidato - acuminatis, supra intense vniuersis lucidis, basi «app coidatis, pedicellis fructifens peliolo unico vix longioribus, diapa (rubio - auiuuaca sive alro-iubru') obovata vel subglobosa, plicis mediocri

a. *guindulenta* Spach folius runcatus (2—4 poll longis) cordatis vel ovatis vel subobovatis vel ovato-oblongis vel cordato-oblongis vel cordato-ovatis, supra pleiumque ovato-lanceolatis, profunde denticulatis, supra plerumque scabris, subtus pubescentibus lateis longioribus senniis pluuiatis

P *seriulata* Spach folius ramulosis (forma sic in tar a. vana 1—2 poll coribus) plerumque pauciserrulatis, saepissime inaequalibus — Cicil in America septentrionali

- 9 C AUDIBERTIANA Spach — Planchon I c 2b9 f — Folius cuspidato - acuminatis, supra glaucis - viridibus, vix lucidis, basi saepe cordatis, pedicellis fructifens peliolo duplo triplo longioribus, diapa (rubio-nuranliaca) subglobosa, plicis majuscula

a. *ovata* Spach folius ramulosis ovatis vel ovalo-lanceolatis, basi subobovatis vel semiobovatis vel cuneatis (Forma hoilensis)

P *oblungata* Spach folius ramulosis plerumque ovalibus vel oblongo-lanceolatis, basi plerumque cordatis vel semiobovatis (Forma hoilensis) — Cicil in America septentrionali

- 10 C JAMAICKENSIS Planchon It p 290 f — Folius oblique ovatis, acute cuspidatis, acumine integro, basi subobovatis, ab apice infra medium serratis adnatis supra nitidis glabris, subtus impunctatis stercoribus puberulis, vix usque in longum inhaerens, pedicellis fructifens solitariis, peliolo subduplo longioribus*, baccis ovatis, plicis mole, apice attenuata glaberrima — Cicil in Jamaica

- U G CRASSIFOLIA Lamk — Michx III Sylv N Am III tab 115 — Planchon I c p 291 f — Humilis vix flexuosa, folius distichis cuspidato-acuminatis (acumine acutissimo), basi plerumque coidatis vel semicordatis, supra plerumque scabris, pedunculis fructifens peliolis sublongioribus, diapa (duranliaca) obovata vel subglobosa — Cicil coidata Dsf — *C Shoilu* Planch mss ?

a. *tdiaefoha* Spach folius ramulosis plerumque coidato-ovatis vel cordato-orbicularibus (1—2 poll latis), saepe scabris serrulatis.

P *mon/olia* Spach folius ramulosis (nunc scabris nunc laevibus) plerumque cordato-ellipticis vel cordato-oblongis, serratis vel crenatis (circiter 3 poll longis, 15—20 lin in us)

Y- *eucalyptulilia* Spach folius ramulosis (3 ad 4 poll longis, 1—2 poll latis) ovato-vel oblongo-lanceolatis, basi valde inaequalibus, nunc semiobovatis, nunc imo latere truncato, altero rotundato — Cicil in America septentrionali

- W C. RETIGULATA Tan — Planchon I c p 293 f — Folius late coidatis subcuneatis subintegerrimis obtusis, basi inaequalibus, supra pedunculosis-scaberrimis, subtus venis reticulatis, pedunculis umflatis, circiter 3 lin longis recurvis, baccis globosis — Cicil ad radices montium petrosorum Amencas septentrionalis.

- 13 C. DOUGLASH Planchon I c p 293 f - Folius ovatis vel ovato-oblongis, breviter flummatibus, basi inaequalibus cordatis, argute et inaequaliter serrulatis ciliatis

- dis, supra aspens, subtus «ecus nenos in reticulum valde prominens connexis, aspeio - pilosulis, perlicellis fructiferis petiolo subaequalibus vel duplo longioribus, bacca subglobosa oblusa, pila subaequali, glaberrima — Crescit in andis scopulis Ameucae borealis occidentalis
- 14 (CAUDATA Planchon I c p 2)4 f — Ramulis, puerulis, pedicellis nervisq; subtus pubescentibus, foliis ovatis longe et acutiusculis caudatis, inaequalibus et supra medium binae paucidentatis, superioribus, pedicellis fructiferis solitariis, baccis ovatis, apice breviter acuminatis, sparse pilosis — (Jesuit in Mexico
- 15 C OPLIANTHA Planchon I c p 294 f — Folii pinnati, breviter petiolatis ovatis nuncupatis, acutiusculis sphaerulatis vel praemorsis, supra medium hint obscure serratis vel intergerimis conatis laevibus, siccitate in mediis, subtus in hinc insuper supra pinnam vultu-luicam vena rugiescentibus variis pedicellis fructiferis solitariis, 4—7 lineis Jouis pilosis, bacca (unimura) parva ovata glaberrima — Crescit in Africa australi
- 16 f VESICULOSA Hochstii ms* ex Planchon I c p 2)5 t — Ramulis, puerulis pedicellisq; mfo - hinc, foliis ovatis ovato-hinc, sensim nuncupatis, acutiusculis maais minusve praemorsis, medio uti inque seculis, rigide clmnci hevia, supra glabris, subtus secus nervos pilosis, circum reliculo t>uh lente nirostentia, aequalia vindi luttscenles includit, pedicellis solitariis subpolycaribus, bacca (imnatura) o<un, apicem incisus sparse villosa — Crescit in montibus Simensibus Abyssinae
- 17 G KKAUSIANA Rernh — Planchon I c 295 f — Folii ovato-lanceolatis acuminatis, medio aequaliter seiniis apite et basi miegerimis multinerviis glabris, breviter peliolatis, flonibus pedunculatis, laticibus axillaribusque, binis termsve, sepalis ciliatis lili i His — Crescit in monu Tafelberg in Promonione bonae spei
- 18 c BURMANSI Planchon I c 296 f — Ramulis lolusque novellis secus nervos sparse pilosis, in adultis angustis ovatis, inaequalibus, apice acuminatis, acutiusculis saepius oblique praemorsis, ab apice in medium serratis, supra laevibus vel pilis adpressis, subtus secus nervos pilosis, pedicellis liliis solitariis, ovato dense lanato, bacca (immatura) ovata ovata acutiuscula, pilis cuspidatis detersilibus s>aj>a, d<minn glaberrima — tellis fulva, mbrotundis dentat, floie vindi etc Burmala, Afuc 242 tab 89 — Jilamnus cellidifohui Thunb — Cellis enantha p. E Meyei — Crescit in Africa australi
- 19 C LRIANTHA E Mey — Planchon I c T — Ramulis foliisque novellis subtus flavescens - lanatis, in adultis oblique ovatis, breviter acuminatis, basi subcordatis, supra pilis adpressis aspens, subtus seius nervos sericeo-pubescentibus, pedicellis geminis libris vel basi concretis ovato dense lanato, bacca ovata acutiuscula, lanis parca dicit sibili lecta — Crescit in Africa australi aim 3000—4000 ped ad Piomontium bonae spei
- 20 C ERIOCARPA Decaisne in Jicquem Voy bot p 150 tab 152 - Planchon I c 297. f — Folii lanceolatis longe nuncupatis dimidia supero pane denatis, basi multinerviis Klavernis, stipulis linearibus setaceis ciliatis, pedunculis potulis, fructibus incanomeniosis — Crescit in Africa australi supero ultil 400—1000 metr
- 21 C MOLLIS Wall Cat no 7203 — Planchon I c f — Ramulis, petioliis folisque sub- »s molliter v<utini, his ovatis, breviter acuminatis, basi aequali loluicis vel acutiusculis internis, supra demum subglabris, pedunculis fructiferis & solitariis petiolo plo longioribus, bacca subglobosa, utrinque acutiuscula, apice pilosa — Crescit ad Pus numinis Irrawadi etc Indiae orientalis
- ** C GLABRA Planchon I c 298 f — Ramulis folisque novellis glaberrima, geminis aiDorum sub aoescentiae tempore conspicuis, e squamis fulvis nitidis glabris consian-

- tibus, folns (non phne ovln(is) obliquo ovntis acummatl*, basi acntu, flb apice infra medium ">ointis, ulrinquir ghbris, margine pilis spnisis cilmtis, pedicelhs (nor hermaphroil) solinrus, UHHOIN \cl supioniis billons, flonbus 4-andns, penanthn foliul& majutuulis ovalis, douse (iliiiii, o\ano ovno glabernmo, in collum breve angustato — (*icliami*)a || ill (JMI no 355 (J — Ciesut in India Mipcuoie
- 23 f NAP \LKNSIS Plant lion I of — Ramulis foliitque jumonbus setus norvos piloiilils, bis iudul is oblique o\alii cu^pidatis, basi subtoidatis vel lime loiundaiis, illiic aruiis, ab .ipice iiln medium senaiis, seti<iii is incunis, uirjnque glbnns, supiu mliidi<, giuitate ^ubplumben, subiuu lu->cis, ptditellis fiuclifciis buliianis, millions, hiipia biisin pilosam mine pulicclii .ilieniis rudimrno insiruclis, peliolo inplo longionbus, baccn ovato - subDlobosi glaboininn, Piso paulo ininoie — *C tetiandra* Wall (ox p) non Roxb — Crescit in Nnp.dia
- 24 (ACATA Hamill — Planchon I c 299 f — Folns ovalis acuminatis, basi obhqui a< mis, supra medium lovitei *el* lemoto deniiculis, caeterum inlegns, adullis glaberimis, podicellis fructilens petiolo subduplo longionbui, supenonbus gemims, inrenonbus solianiH (sed saejmm rudimonto podicelli .Wlenus ticaincifunni Mjpia basin no-laus), batcu ovoidca, apite iituliustula gl ibcninia — Lrtscll HI India onenlali
- 25 C TLIKAMHIA Huxb — Plaiitbon I c 300 f — *olus oblique ovulo - lanceolatis sen alls cuj>idniis glabiii, llunbu^ axillanbu> itinis tetiandn^ — *Lttis teliandia* Wall Cut *db'tS L ?'* — Cie-Jtil m N<3>ul<<<
- ^6 C HAMILTOMI Plaiubou I t J01 f — Haniulia .iduliis apite i ufo-liusululis, **folns** ovulo - ubluugis acuniiiatis, basi obli<iuc atuliusculi^, ab apite in ft a medium **serratis**, supra glabiis lutidis, subtus *ctu!> ncvoi tantum parcis^ime pilosulis, noivoium uxillis sLiobicularis piloxis, |iedi(dlis liutlifens gemims (niferioribus soliiains), allern peliolo subduplo longioie, batcu ellipsoidca, opice subatipnuaia, bine paici^smie pilosula, cjelciuin glabia — (.irscit in India onenlali
- 27 (. SLROTINA PlarKJion I c f — Folns oblique ovalis acumuiulis, bust ntuds, ab apice mil a medium seirjtis, glncri imis, inflorescenliis ex axillis foliorum ndulloium vel oorum jam dolapsoruin oriis, peditollis fiucifons fcie omnibus terms, alteio libero, duobus in uuun basi conciclis, bnecu (immaluia) ovaln, apice aouliusculu glabernma — **Crescit** in Indue ononialis mouubus Meilgherncs
- 28 C ROXBURGH!! Planrbon I c 302 f — Ramulis junionbus villosulis, folns oblique o\atis coidalis acuminatis glabns, floubus penlandus — *Celli* tneivia* Roxb Flor Indie II. (i5. (ncc Lam) — Ciosut in India onenlali

Subgenus II *SPOMIOtUfJS* Planchon 1. c. 263.

Stigmata lineana mtegra. Flores masculi ad internodia ramuJorum novellorum folns destitula et in axillis foliorum jumorum in cymam dispOHli, hermaphroditis paucis, cymis intermednsgnterspensis; cymis foliorum supienioium plane hermaphroditis. — Aiboies? liopicae, una fndiae oneutalis, aJleia Jjuiditcnsjs. Itauu jnermes, sub tempoie florescenliae beinidenudali, ncmpe loins c\olutioms praecedentis parlim dd* lapsjs, partim novella concomitantibus, mox tamen exuendis. Folia plane ut in subgen. praecedente.

- 29 C CINNAMOMEA Lindl in Wall Cat no. 3b96 — Planchon 1 c. 303 f — Ramulis folusque novellis secus nervos tulo - pilosulis, adullis glabiatis; folns demum **magol'** ovato - oblongis acuminatis, supia basin grosse et obtuse cienalo- serratis conaceis uitidis, subtus siccate cinnamomeis, cymis laxiusculis, petiolo 3—4-plo longionbus? stigmaubus linoanbus, ovano oblongo glabro longioribus — Crescn in India **oneniall**.

- 30 ? f TRINERVIA Lamk — Planchon I c 304 f — Folus ovatis serratis subglabris, cernis axillaribus petiolo brevioribus (lore ferili longius pedicellai) C Swartz Planchon I c 301 f ?? — Non differt nisi folus longe cuspidatis — Crescit in insula Su Dominici

Subgenus III *SOLLNOSTIGMA* Endl Prodr flori Norfolk 41

Stigmala linean-corniplanata, apice dilatato biloba vel leviter emarginata Inflorescentiae subgenens praecedentibus: — Rutices vel arbores Geronlogco- usialasicae liopitae Kami incises c\olulione mdefimta, novolhs una cum flonbus e\ axillis foliorum adultiorum profertilibus, gemmis nudis (non squamosis) Folia saepius mteggemma

- 31 C PAMCII ATA Plant lion) c 305 f — Glabris folus ovato-lanceolatis acuminatis integerrimis, basi saepius inaequalibus stipulis obscuris, paniculis inaequalibus hermaphroditis axillaribus, solnanis bini wimsu 1-2 poll longis, drupis ovato-globose compressis cula ubiniquilata, lunc luoi angustiora costata — *Solenostigma paniculatum* Endl Prodr fl Noif 42 — F Bauer, illust pi lab 188 — Crescit in insula Nofoik Occam Pacifici
- 32 C sj) nov IManchori 1 c — l'ucctenti nervdione affinis, sed folis minoribus nungubliis el petiolis iiii> cu^ib di\isa Specimen micum, pio descnplione mmis incom)l<?tuin Folia ui in praecedentibus ex:icr mone magis immusve nigrescunt frccit in Novi Hollandi oneuiali iropita
- 33 C PHILIPPINENSIS Bhnco, Flora des ilns Philippin 139 (ed 2) — Planchon 1 c 306 f — Folus mngms ovaus vel ovaio-oblongis icuminatis integerrimis glabris, nervorum pan inflmo a basi feio ad apicem limbi producto, cymis solntfrie et geminatis, pedunculaus, petiolo nasso paulo longioribus — Crescit in insulis Philippinis
- 34 c STRYGHNOID* S Phnchon I c f — tolns paivis oblique ovaus, vel rarius laie ellipitris b>i obiusculis, npiq acuto vel obusulo mucronulnis glaberrimis, nervorum pan inflmo a basi fere ad nrem limbi producto, cymulis msculo-hermaphroditis pnciflois, petiolum 2 Im longum parum superantibus — Crescit in Australi ora boreali-occidentali, ad smum fareening Ba
- 35 C WIGFITH Phnchon I c 307 f — Folia* oblongis, sensim acuminatis, basi acutiusculis iniegerimis (lanssne versus apicem nne umdonlatis), nervorum pan inflmo a basi feie ad apicem limbi extenso, stipulis mfin ipsarum inserlionem productis (ideo Pelhiim afflixio), cy^{mis} masculo-hermaphroditis petiolo subaequalibus vel duplo et ultra longioribus, bacca ovaia, brevis Mm rostrata glaberrima — Crescit in peninsula Indiae onenialis el in insula Ceylon
- 36 C sp mcompkla Planchon 1 c — Hx folus a praecedentibus haud distinguendq Cr oscu in insula Sti Thomae ad oi ira Afnae tropicae occidentali
- 37 C MAORITIANA Planchon 1 o 307 f — Glaberrima folus anguste oblongis, sensim cuminatis, basi neuliusculis, nervorum pan inflmo a basi fer* ad apicem limbi extenso stipulis infra ipsarum msertionem productis, cymulis florum masculorum fib Pedicellorum breviter capituliformibus sessilibus vel breviter pedunculaus floribus e^maphroditis in cunhs supremis mtra flores masculos paucos politania, pedicello Sbermo sub. b. evionibus — Crescit in insula Ma until
- 38 C PARIFIGA Planchon 1 c 308 f — Ramulis adpresse cmeo-pubescentibus, folus ovatis obtuse breviterque acuminatis, glaberrimis, nervorum pan inflmo a basi ail medium hmbi etxno, cymis masculis petiolis subaequalibus vel sublongioribus

rhodu cuneo-puberula, flouibus sessilibus & labrusculis — Crescit in insula Nova-
heohoe oceanica Panfili

Mibgtus IV. *MERTEJSSIA* kntli in 11 B Knth No. en. 11 tab 103 —
Planchon 1 c 264

Shjnsiala Jinejua bifida Inloiescencia et vtgetatio subgenus piat-
cedentis, nisi umi inludum sub lempeio iloiescenciae plane denudati
— Frutices vel arbores Americae tropicae Unica in subgenere dubia
ex Africa tropica

39 > C (MERTENSIA) HETEROPHYLLA Lamk — Planchon I c 308 f — Ineimu. foliis
ovato-subrotundis, (sub) acuminatis integerrimis, supra scaberrimis, 4—5-
nerviis, vix folio dimidio brevioribus fructibus immixtis ovatis villosis — Crescit in Se-
negambia

40 C ACUTATA Switz — Planchon 1 c 308 f — Glaberrima spinis axillaribus solitaris
vel geminis incurvis, folium ovatis vel ovato-oblongis truncatis, basi leviter cordatis,
integerrimis vel supra medium serratis, cymulis axillaribus petiolo subduplo longio-
ribus ovatis glaberrimis vel pubescentibus, bacca ovata rugosa glaberrima

vai P' holis ovatis vel elliptico-oblongis imbricatis infra medium senati*

var y' Foliae formae typicae, petioli pedunculis perianthisque pubescentibus
ovatis longe pilosis in specie distincta?

lihamnus iguacu L — *Lithis aculeata* Willd — *Zizyphus iguana* Lamk — *Azyphus*
ignanta et *Zizyphus commutatus* R Be Sch — *Mertensia aculeata* Willd — vai P' *Rhania*
nut *tijuanae* Cav — *Celtis imbricata* Willd — *Meilensia lacvigala* II D Knth Nov
gen. f. spec. II 31 tab 103 — Crescit in insulis Indiae occidentalis et America me-
ridionali

41 C ORTHACANTHOS Planchon 1 c 309 f — Spinis axillaribus geminis (ramis so-
litaris) rediis, foliis ovato lanceolatis, basi rotundatis apice acute acuminatis, supra
medium serratis glaberrimis, cymulis inflexis multibus petiolo longioribus, supe-
rioribus polygamis subrotundis, brevissimis, strobilorum perle induratis ovato subtequah,
cymulis glaberrimis pili indivisae subaequilibus — (resert in Brasilia prope Ba-
hiam)

AZ C LALA Gill msi ex Planchon 1 c 310 — Spinis geminis tectis, foliis parvis,
grosse serratis vel subintegerrimis cymulis masculis vix polygamis sessilibus paucifloris
glomeruliformibus, bijugis ovato subaequilibus — (resert in Brasilia prope Ba-
hiam)

vai P' Rdmulotum epideunide castanea, foliis* (imbricatis uassionibus, profundius
paucidentatis — Crescit in America meridionali

43 C (MERTENSIA) GARDNERI in Hook Lond Journ of bot II p 339) BRA SILI EN SIS Plan-
chon I c 310 f — Spinis solitaris recurvis vel subcurvis, foliis ovato-ellipticis, bre-
viter acuminatis, supra basin obtusiusculis serratis, facie supra aspernis, subtus
fulvo-ovatis pubescentibus, cymulis masculis sessilibus paucifloris, bacis breviter
pedicellatis, elliptico-subrhombicis, apice sensim alleuatis muticis — Crescit in Bra-
silia prope Rio de Janeiro in sepibus

44 C MORIFOLIA Planchon I t 311 f — Spinis geminis recurvis lamis perianthisque pul-
verulento-puberulis, foliis elliptico-ovatis, basi subcordatis, apice breviter acumi-
natis supra medium serratis, adulescentibus laevibus, pedicellis fructiferae solitariae
petiolo subaequilibus, bacca pauciflora ellipsoidea, 3-locata senaria attenuata — Crescit in
Brasilia

- 45 *t* GARDNLRI Phrichon I c f — Spirits solitams subrectis, ramulis pctiolisqu< i neico - puberulis, foliis oblongo - elliptius, brevitor acummalis, basi inlegia obiusiu>-culis \el subdcutio, caeteium serratis, subtussecus nervos pubescentibus, supia glnbns \el sublaevibus, pedicellis fructitens peLiolo subaequibus, bacca ellipsoidea, apice haud tittentuntn, glubra — Ciescil in Biasilinc insula Si Pedro
- 4b *r* UOI IVELNSIS Plane hon I c f — Spims sohnms lucvibus cuivulis, foliis ovato-elliipiiciv, bie\iler ncuinads serraiis (basi integia), supn aspcrnmis, sublus molliler velutinis ptdicellis fiuctifens peiolo subbn vionbus, baccis oviis, in rosum breve attnuans suloiu basibus persisientibus induialis — Ciescit in Bolivia
- 47 C (MERTTNSIA H II Kntb I c II 31) PUBLSCFNS Planchon I c 312 + - Spims genimis apicc paium cunatis, foliis o\ ilo-ellipticis, basi rolundalis subcorrtaiis mem-bnnaceis integernmis vcl apiccm veisus serials, supra glabiis, subtus molliler pubescentibus, CMHIS axilhnbus poljgamis, pctiolo mulio longionbus, o\ano hirsuto — Ciescil in regno Quitensi
- 48 C G0UD0IH Plnnton I c f — Spims subsolilams bicvibus uncatis ramis, petiolis folnsque sublus iifo-velulmis bis anguste ovatis acmo acummalis, basi leviler cordate apiccm veisus pauudentilis conaciis, supn aspciumis pedicelli^ fructifens brevibus ci ISMS, bitci ovnn, miigniL vix mcrassaii, brpviier *.tngosa, st}lorum basibus pcisiMentibus bimucionata — Crcscil in legno Ptovo Granatensi
- 44 < VIIUTINA Phndjon I c 313 £ — Spims solilarns cunulis, nmulis crassis angnUi^, peiiohs, ihacibus folnsque subius fulvo - velulmis, bis ovnlis acutis, supra basin liviei coidalim tequalibus seriaus, supra aspons, cymismnsculis conferlinons se^silihus, mine secus ramulum axilhiom pollicaiem mleirupte spicatis — Ciescit in Ieiuvia
- 50 C PAVOMI Planchon I c f- Ramulis junionbus dense rufo-pilosi>>, /V palentibus subghndulo'sis, foliis oblongs icumimlis, bdsi lirexiter cordalm, inlegeinmis vel ^Picpm \eisus liinc mde paucidemili*, supra sparse, subtus secus mnos stngose el tidpresse pilosis, pedunculis foeminn^ 1—2-fions, peiolo \it longionbus, o\auo piloso, <*yilis biparlitis bieviore — Ciescit in Peruvia
- oi f DIFFUSA Phnrhon I t 314 f — Spinis solitams brevibus validis uncatis, ramubs annotinis, ibatbibus, pplioli* folnsque sublus mollitr rufo-velutinis, bis (nondum P>>ne exolens) ovniis aculis uilegerniTiis, supia pubciulis, cymis mtsculis a basi ramosis inflmis semipollicrm et ullia longis, supremis mullo brevionbus — Crescit in Brasilno piovincia Minns Geints
- 5^ C (MERTHNMA H B Knib I c 32) /IZYPHOIDFS Plnchon I c — Spinis solitnns subulais pubescentibus, paium if>cur\is, foliis ellipticis conlalis ngidis, supin scnr^tr>usculis, sublus tenuissime pubescentibus, t}mio peiolo brevionbus, ovauo pubescentie — Crescit in regno Novo-Granatensi

+ **9pecle8 non satis notae.**

- 40 c^ TEXANA Scheele, Lmnaea XXII 146 — Rami marines cmerascentes verruooosi Folm opposite petiolata ovata *| ovaio-oblonga obliqua, saepius semicordata integer^nia vel ropandt, longe ncuiriMa tnneivia relicuhlo-venosa, uirmque glnbia, densissini^ et minutissime gianulaia, supia opacn, subtus laete virnlia scabra, in axillis venarum bnrbaid Peioli viscido - pubeiuli, subtus convexi, supra apice dilatati canahculai Pedunculi avillarc<? uniflon tereliusculi glabn, fructiferi petiolo longmres Flores 7 Diupa ovoideo globosa glabernmu nitida coccinea. — Gioscil in Texade P^Pe Neubraunfels
- 54 *r SPINOSA Spr Syst vegeI I 931

t t Species excludendM.

- C. AMBOINENSIS Wall. = SPONIA VELUTINA Planch.
 C. ANGUSTIFOLIA Li rid I = SPONIA ANGUSTIFOLIA Planch.
 C. APPENDICULATA E. Mey. = CHIAKTACIIME ARISTATA Planch
 C. ARISTATA K. Mey. = CHAETACHMK ARISTATA Planch.
 C. CANESCENS Il. li. Knih. = SPOMA fANESCKNS Dene.
 C. CHICHIILEA Juss. = SPONIA CHICHIILEA Plnnch.
 C. COMMKRSONII Brongn. → SPONIA COMMERSONII Planch.
 C. DISCOLOR Ilrongn. = SPONIA DISCOLOR Dene.
 C. ELONGATA Lindl. = URTICA APPE.NDICULATA Rxb.
 C. FERRUGINEA Wlprs. = ZIZYPHUS EXSERTA DC. (vor.V)
 C. LAMARCKIANA R. ft Sén. = SPONIA LAMARCKIANA Dene.
 C. LIMA Blanco = SPONIA OLANCOI Plnnch.
 C. LIMA L◀m. = SPONIA LAMARCKIANA Dene.
 C. LIMA Swrti. = SPOMA LIMA Dene.
 C. MACROPIIYLLA H. D. Knlh. = SPONIA MACROPIIYLLA Dene
 C. MICRANTIIA Swrtz. = SPONIA MICRANTIIA Dene.
 C. MICROCARPA Slzm. = SPONIA MICRANTIIA Dene.
 C. MCKU Sicb. = PRUNUS ASPERA Thunbrg.
 C. ORIENTALIS L. (Fl. Zeyl.) = SPONIA ORIENTALIS Planch
 C. ORIENTALIS Meyen. = SPONIA VELUTINA Planch.
 C. POLITORIA Wall = SPONIA POLITORIA Planch.
 C. RIGIDA Ilium*. = SPONIA RIGIDA Dene.
 C. RIPARIA£. U. Kmli. = SPONIA RIPARIA Dene.
 C. RUKESCENS links. = SPONIA RUFESCENS Plnnch.
 C. SCHIEDEANA Cham, ft Scil. = SPOMA SCHIEDEANA Planch.
 C. SUIDENTATA E. M^y. = CHAETACHME ARISTATA Planch.
 C. TIMORENSIS Spanoghe = SPONIA PENDULA Spun.
 C. TOMENTOSA Rxb. = SPONIA TOMENTOSA Planch.
 C. VIRGATA Rxb. = SPONIA VIRGATA Planch.

II. (1852.) SPÖHflA Commers.

(Planchon, Annales des sciences nat. [3. Se*rie] X. pag. 264. — Wlprs. Annal. I. 64a —
 Momina Duraort. — Wlprs. Annal. I. 64t — Species recognoscendae.)

Fores polypami Irimorplii. Masc. Perjanlhium quinquepartitum, la*
 ciniis aeshvalione subvalvalo-induplicalis, marginibus tamen leviter
 quincuncialim imbricalis. Anlhrae demum exsertae, loculis basi non
 conspicue gibbosis, rimis dehiscenliae introrsis. Hermaphr. Perianth,
 fere maris. laciniis minus induplicalo-valvalis et minus concavrs,
 caetera masc. et foem. Foem. Penanlhii lacimae vix explanalae, baf¹
 imbricatae, apicibus non valvato-conniventibus. Bacca minuta, styli³
 2 brevibus, plumoso-sti^malosis coronala, perianlhio suffultn. Cotyl^{e*}
 Uones falcalo - conduplicatae cainosulae, non corrugatae. — Ar-
 bores intra Iropicos lolius orbis diffusae inermes. Folia trinervia,
 Saepe c.nnoaconli- vol cino.reo- puhescentia, scrrata. Infloresrentiae
 cymosao; cymis axillarilnis in axillis folioruin adiilluruni el novollonim
 t>i)lil;iriiH vcl ^CIIIIH. :• IiH hi rsuiulo uodum ina.HcullH, nlll◀ poly^nmI*

foemineis saepius in ramulis proprns (an arboris ejusdem ?) Pedicelli conspiue ailiculali? arliculis a sese invicem facile secedenibus

- 1 SP VIRGATA Planchon 1 c 316 f — Hamulis gracilibus, foliis ovato-oblongis, acute cuspidatis, basi subaequaliter rotundatis, exserte denticulatis, leniter membranaceis laetibus glabris, petiolis gracilibus flexuosis, cymis axillaribus laxis paucifloris, pedicello subaequalibus vel brevioribus
 a ramis lamulisque unifloris adpressis puberulis
 P in ramis ramulisque undique subaequaliter adpressis puberulis — *Celtis virgata* Roxb in Wall Catal no 3694 — C re sen in India ouemali
- 2 SP GLABRES(ENS Planchon I t^p 317 f — Ramulis, petiolis ntrvique subtus sub lente pilis adpressissimis spaisis, folns magms o\ aio -oblongis cuspidatis, basi leviter lordatis, minute crenulato - serratis, ngidt membranaceis, utnnque glabris, vindibus, pagina supera punctuliculis depiessis tecia, atomen loclu laevi, cymis masculis mullifloris petiolum longiusculum oequantibus vel duplo superantibus, flonbus conglomeratis, demum brevissime pedicellatis, alabastus globosis sub lente tanium parci8»ime et adpiessissime pilosulis — Credit in insula Mindanao Philippinarum
- 3 SP COMMERSONH Decaisne — Planchon I c p 317 f — Folns oblongis acuminatis subaequalibus, basi cordatis, crenulatis, nervis inferioribus elongatis, pagina gup<riore tubeiculosa, sparse pilosiuscula, inferiore pallidioribus ghbrn, nevis flosculis, ramulii tan tma puberulis, cymis axillaribus multifloris, pedicello longioribus, sepalis ovato - subrotundis obtusis, margine pilosis — *tell is Commersoni* firongn — Crescit in insula Mauntii
- 4 SP TIMORENSIS Decusue — Planchon I c p 318 + — Ramis glabris, junioribus subflexuosis petiolisque hispidis, folns lanceolato-acuminatis, basi rotundatis, tnplnervis (irmerviis) subaequaliter dentatis, supra aspni9 sublns pubescentiscabris, cymis petiolum aequantibus, colycinis foliolis masculis toncavis, foemineis ovato - lanceolatis ciliatis fructibus parvis glabris — Crescit in insula Timor.
- 5 SP ASPLRA Decaisne — Planchon 1 c 318 f — Ramulis pubescentibus foliis brevitei pedicellatis ovato-oblongis acuminatis seirulatis, basi oeqmlibus subcordatis subtriplinerviis (tnnerviis), inferius ad nervos venulasque tanium rigide et sparse pilosis, superne tuberculato - pilosis asperatis, flonbus axillaribus glomiiato-cymosis polygamis (hermapnoditis et foemineis), sepalis ovatis pubescentibus, florum masculorum navicularibus, foemineorum planis, fructibus ovatis — Liescit in Novae Cambnae montibus caeruleis prope Port Jakson
 P ramis longius hispidulis folns subiu»» molliuscule pubescentibus — Crescit in Nova Hollaodia onotali subaropica ad Moreion-bay
- 6 SP VIRIDIS Planchon 1 c 319 + — Ramulis brevitei pilosis, foliis e basi subaequaliter rotundata vel subcordata in petiolum longiusculum denso strigoso-pilosum contractis ovato-oblongis cuspidatis, subaequaliter serratis, rigide membranaceis, ulnnque vindibus, adulus supin punctuliculis albis asperatis, subtus praeter nervos sparse pilosulos glaberrimis, cymis foemineis pedicello subaequalibus, a basi divisis laxifloris, iacimis perianthii foeminei lineamentis acutiusculis glaberrimis, tenuiter ciliatis, stigmaibus ovano duplo longioribus divaricatis, conspicue filamentosis, flamentis inferioribus ovum apice saepius incumbentibus — Crescit IO Novae Hollaodiae ora boreali occidentali ad Port-Bessington
- 7 SP STRIGOSA Planchon 1 c p 320 f — Ramulis foliisque utnnque strigoso-asperatis, his parvis ovato-oblongis acuminatis, basi subaequaliter obtusis vel cordatis serratis, stipulis* subulosis* per*lseniibus«, cymis (polygamicis) sessilibus paucifloris, pedicello brevioribus* Jaolnis perianthii foeminei ovatis nudiis, ovario glaberrimo, bacca minuta ovoidea rugulosa — Crescit in Afrloe iroploou oru ouoldanlali

- 8 SP AFRICANA Planchon I c p 320. + — Ramulis pilis arrectis cinereo - <trigosis, folns (medioirihus; ovato - lanceolatis, sensim et binter acummaii aculia, basi obtusi subaequahbus \el Icviler inacquahhus, maigmo son alls, mullis supia a^peiisi suhlus serus nervos stii,o»o-pilosis, >K citato ful\cscpnlihus, rjmis (poHgarnit) pcuolo subbrevioubus \cl pamm longionbus, ,i ba<i lamosis p r< illons, stigmalibus bacca lenticulii - ovata ghhrima 3—1-plo biPvionbus — fre^H in Sonogambia fle in Sierra Leone
- 4 SP URACriOLATA Hothstell Flora 'B L) XXVII 87 - Planthon I t 321 T - Noullis iimulis petiolisque adpresse SCIICPO - pubescenlibus, folns ovato-oblongis acummaii, basi roidatis serrulaiis, adulu^ sublus pilis subndpiessis spaisis, bnud discolombus, cjmis (loemmeis) subscsilibus pjuci- el conlerlilloiis, \\\ peioli dimidium supciantibus — Ciescil in clivits inoniium Tafdborge terrae NatalonMs
- 10 SP GLOMERATA Hochst 1 c — Planchon I c. p 321 f — Ramulis no\ellis» nci-visque sublus adpirsse souceis, folns paivis concitiusculis ovalo - oblongis acuminatis sen nils, cymis inasculis glomei nhformibus sessilihus, fboininris pan< iflons laxiusculis, peliolo sublongionbus
Sp *inwnlahs* (5. aiuyus/f/o/ta E Moy — Cirsil in Afuca australi ad Poit Natal
- 11 SP AMDOIM^SIS Decaisie — Planchon I c p 321. f — Fo'ns ovato-oblongis acummaii seiruhtis, ba i nequilibus tordatis, inienus ramnlisquo dense s»*nceo-\illosis albuanlibus, siipoiuis tubciciiloso - pubccentibus smbris, cjmis miiltifloris (Onliactis, pcliolos vix aoquaritibus s>opalis ovaiis acutn pubescenlibus
a *nngn^hfolia* lirongn folns ovato - oblongis atltnuato - acummatiss — *Celtic Unbomenw* V\illd
p. *Igjijolia* Ihongn. folns ovaiis latioiibus acummaii — Crescit in IQSUIS Amboina et Bouiou
12. SP WIGITII Planchon 1 (p 32'i + — Romulis spaise, peioliis nervu>que sublus d<ns> singoso-pilosiilis, folns ovato-oblongis cuspidalis, bnsi in.irqinli \ej subaoquali cordatis, vel bine acutis, illinc rotundaiis, |umoiiibus sublus adpre^se nigenleo-scnceis, ndultis sublus \nitlo*«<<'rifibus, adpiesso puberulis, cjmis bio\issnne pedunculaiis pi'tiolum opquaniibus vel parum superontibus, maaculis coiifeiillous, foemineis laxionhiis, oiigmaiibus baccac submatuiae aequalibu*, Jounge fl'timeniosis, (llamentis inferionbus apici bneeno saepius incumbentibus
p. folns ovatis, subtus adpresse vindeacenti - aigentei* — Crescit in peninsula Indiae oi Piitilit <l foi-nn in India fere loin
- 13 S» OMI \TAI IS PI mi lion I < 123 f — nimulis novellis poioliis roliisquo ~~sublus~~ (nilin nilpiihii m'iiikj IIK<lll< i vi i HIIIM il|Heu Iulu, IHH II) HO - cibloriKI^'e, <XIIIIII #is. piilniiH, Imsi iivii i|iiuli l< viit i COHIUIII M'liulniM, snjin torin n^prns, ruitii dunbus inllinis a ba<i fpn* ad dpucni limbi piodiulis, cymis ina^culis lorigmsculp ptuluncu- Inlis mulunons pctiolo subduplo longionbus, loemmn* cundem t>ubncquonlibus vel poulo supci jnlibus, tligiihitibus brevilei plumose — *Cell in oinnlalis* L — Grescil in insnla ZCMOII
P *Su^bm* An spenes divrrsa? — Folns latioiibus subdcquonlitor coifntM, bre* vms cii<*pidiui8, suprn circiuii* fustesconiilni> (net lusco-nigiescentibus) tyinis musriillis p(iiolnm jlmlo siippiiiriibus — 6/i<nitt \ndarosa i omrneis ' — *Spoma orientalis* Decaisif: — fics(j) in IIMII i MauriLi
- 14 SP ARGENTLA Planrhon I < p 323 f — Kamuln junioribu< petiolis foliisque subtus pubp ddpresn sericpo - aigerileis, Ins ovalo-oblongis vel ovaiis, bicviiier neunnnn(19, basi p.num inarMjuni profundc cordnlis serrulalis, cymis fbemincis (in nxillis >upremis) pauciflons sessihbus, peliolo brevionbus — Crescit in insula Donin ocean F'nnfln, hn\ul longo n liltonbuft *Chinns*

- 15 SP DISCOLOR Decaisne — Planchon I c p 324 f — Ramulu, petiolis, inflorescendiH foliisque sublus pubo odpressa nlbnln vel flave*cenli nitentil>us, his ovato - oblongis, scnsim acummatis, basi obtusn vd suhcordala in peliolum contraclis, cjmis peliolos subneqianlibus \el diiplo superanlihus bacca suhglobosa, Intenbus baud compress — *Ctllis discolvi* Ad Diongn Voy dt la Coqu I 215 tab 47 flg B
a Foliis basi abrupte contractis, infenus albicantibus
(S Folns basi subattenuaiis, infenus flavicnntibus splendentibus — Crescit var a. in msula Tain, var (J. in insula Doiaboia illi vicina
- 16 SP GRIFFITH!! Plnnchon I c p 324 f — Folus (6 poll et ultra longis) ovato-oblongis, longe et acute cuspidate, basi suhapquali cordalis \el IOlundalis seirntis, supia ghlmiiis, mciu aspeiulis, atio-vnnlibu^, sublus tomento ndpiesso condicantibus, cymi-(mastulis) mulnflöi2> peiiolo longionbus — *UHis Ambomen<ns* Wall Lalal no 3b90A — Ciestit in India ouentnli supeuoie
- 17 SP MTENS Hook & Planchon I c p 325 f — FOIK magnis o\nto-oblongis acummntis, minute sen ulatis, hisi luhaequnli vcl obliqua levilrr cordatis subpennincrvns, supia aspens, sucitaie nigiesccnlibus, sublus pube adpi e»sibsima nilenlibus, slipulis cadutis, cjmis soliiiaus vel geminis stssilibus, masculis petiolo subaequalibus, foemineis dupio bie\ioubus, batca ovata minuta glabernma — Crescit in nibiün Femnndo-Po
- IB SP POLITORIA Planchon I c, p 326 f — Ramulis cras&is, novellis peliolisquo bicviter hidiis, foliis nngusto ovalo-oblongis acuminalii, basi oblusa vcl subcordntu vix aequi complicaiis, m. vel quinqueneviis *eirukilis, uliique puncliculis pilisquo spms.15^ a^peiatis, cin^sis, paginn supenorc in sitco vindi, infenoie cuprea, cjmis maculis LOnlertidoi^, poljgami^ laxiustulis, peiiolo longionbus — *Cclhs polttnua* Wall Cat no 3bU3 — Ciescil in Napalm
- W SP ANGLSTirOLIA Planthon I c p 326 f — Ramulis giacilibus, peliolis, iidores reiiuis nerviMjue sublus i ufo-sti igosis>, iöliis> angusie ovalo-lanccolatis, sin^sim longe >(uminaiis, basi subaiquali \ix roiimdatis, in pdiolum conlr.ictis, supia punciculaiiH piliM]uc hrc\ibu> aspiuiis, sublus inur neivos singosos bioviur into-vilu^ims, <-)nm-> poljgtimis) geminib, sul)«»t6silibus plunflons, peiiolo 2—3-plo longioubuN* batcis iniiiiis ovatis, sparse stiig-osulis — *Ldtis anguttfoha* Lindl in Wall Cdtal no 3641 — (lescit in insula Peuang haud longe a peninsula Malaccensi
- ^0 SP DLANCOI Plant ho n I c p 3^7 f — Ramulis, peliolis, indoroscentus flonhusque (mosculis) pube semi-pattnte subviscosa ttcik, foliis ovalo-oblongis cuspidalis, basi liubticqudli cordalis, innrcviis, supra tuberculis el pilis aspeians, sublus raollnei el *k nso puliusi UHHMM nupuliM CIIHK I* cjiim (innNiuliN) gumiiia |iodiinoiiliilU, mulli-NMIS pi iJof in loii(fiiiNculuin mil m iiniiltim — C>ll« I imaY lil.iucu F/oi t ililij>in (td ^) 1J9 (rice swiiz) — Lit soil in insui/i Lu^onia l'Inlip<inni um
- ^1 SP VKLUrLNA Planchon I c f — Rainis novellis Tolusque sublus raolliler \eluu-nis, indumtnto in nuvtllis ^plcnduio, folus o\aiio-oblongis cu>pidalis, basi leviier macquali torddiis \el rolundaii^, maigiiii' scuolis, supia puncuciiis crebemmis a*peiH, cjmis (masculis, loemincis |olygtimisque) bie\ilcr pedum ulalis vel subscBsilibus, ptliolum aequiilibus uiullilloiis, llouhus masculis exius spane pilosulis, batca uvula, ad apitum HUU> pilis pnucis all)is ton&peisa, caiierum glabrurna — V ot unfa/is > Illume — *Wtis on entail* Me}en — *L Ambonunbih* Wall — *Iellis tomcnioia* Roxb > — Ciescit pei Asiae regiones tiopicos vel "ubiropicjs et m msulii Madagastar
- ^A SP AFFLMS Plaubon I t |> 329 + — Ramulis folnsque sublus molliler vululmis, his ovalo-oblongis acummalis, basi Aubaequali leviier cordons vel roiunda'is surails, >upia odpresse puncliculato - aspens (piln paucis adprensus ndjeciis), cjmis polygamis

pauciflora scaberrimis contractis, petiolo hirsuto* vel eum vix aequantibus, lacinus penamhiis focmmei ovalis eximioribus acutis, simplicibus brevibus, longe plumosus

P Folius magis membranaceis sublimis dense pubescentibus, pube saepius Havescentie, raris dopiuciatis

Y Cymis hirsutifloris petiolum raris duplo superinubus — (r« sen in Africa occidentali iropica

- 23 SP RIPARIA Dactisne — Planchon I c p 329 t - Ramulis canescentibus villosopilosis, folus ovato-oblongis crassis sequalis*, supra «cibus, subtus molliter hirsutopubescentibus canescentibusque laevibus (cymis) axillaribus geminis dichotomic divaricatis, petiolo longioribus — *Latis nana* II I) Knlb Nov gen 8c spec II ^8 — Crescit in inundatis Ouiniis Magdalenae
- 24 SP CANFSCENS Uccusnt — Planchon I e p 330 + — Ramulis canescentibus villosopilosis, folus ovato-oblongis crenato-serratis, supra scabris, sublimis mollioribus hirsutopubescentibus membranaceis, nervis (cymis; axillaribus, soli raris? bilobis conglomeratis, petiolo brevioribus*
- (J Folius late ovatis majoribus basi profunde cordatis, crassis
' ? Y Ramis gracioribus, folus (minoribus) inguste ovato-lanceolatis, leviter cordatis (feie nbsque, dubio forma parifolius vu 3) — *Cellis carmencis* H D Knlh I e 23 — Vari (i *Sponia oantsunt* Until — Ciescil in Mexico el Peuvia
- 25 SP MOI I IS Decisrx — Planchon I r p 331 f — Runulis tibiis molliter pubescenti-VIIIOSIJ*, foln* ovato-oblongis & f i ions simplicibus sublimis molliter hirsutopubescentibus, i levis (cymis) dimidiis geminis dieholomis divaricatis petiolo longioribus — (*tllis mllis* WJIM Spec pi IV M% — Creicil in regione calidissima **1911** Novo-Xjianaensis
- 26 SP MACROPIHYLLA Dicusnc — Planchon I c p 331 f - Ramulis villosopilosis-pubescentibus, folus ovalo - oblongis crassis - spiralis supra scabris, *uhis molliter hirsutopubescentibus paniculis (turnis) axillaribus glomeratis pendulis petiolo duplo longioribus, **fiolitus** conglomeratis — *Ldu moci ophylla* II D Knlh I c 24 — Crescit in **Neva** Andalusia
- 27 SP LIMA Decatmi — Planchon I c p 331 f — Folius oblique cordatis ovalo-lanceolatis icuminosis ocreis, superno scaberrimis — *Celti* Lima* Swrlz Prodr 33 — Crescit in collibus audit Incline occidentalis
- 28 SP RUGOSA Dactisnc — Planchon I t 332 f — Folius ovato - oblongis acuminatis seniliter, basi inaequalibus, utrinque scaberrimis, ramulis hirsutis — Clemens in insula Porlouco
- 29 SP I AMARCKIANA Dactisnc — Planchon I c p 332 -\ — Folius parvis triplicivel ovato-lanceolatis, IMM sulnequali aculis \cl oblongis, bitMtti acuminatis, margine reflexo-serratis supra tuberculoso - asperis, sublimis aspicio-pilosia crassis, cymulis pnu ocellis sessilibus, misculis el fopmineis petiolum aequantibus, polgamis subduplo longioribus — *Lillis lammtkiana* R ft Sen' S\st vog VI 311 — **CeMt*** *lima* Lanik bnrycl IV 140 — (resell in insulis Indiae occidentalis
- 30 SP MIFRAMNA Deoisne — Planchon I c p 333 f - Miqu Surp Sunn select 195 -f nb 57 — Ramulis, petiolis foliisque subtus secus nervis pilis paucis hirsutis, folius ovalo - oblongis cuspidatis, basi inaequali cordatis serratis, utrinque asperis, subtus pallidioribus petiolis gracilibus, cymis geminis sessilibus, petiolum duplo superioribus vel aequantibus, diupis ovidis glaberrimis circiter 1 lin longis
P Folius subtus dense et molliter pubescentibus — *Cellul micrantha* Swiz — *nhamnus micranthus* **Ijnn** - *Celtis microganm* **Salzm** - **Crescit in America meridionali iropica**

91. SP. RUFESCENS Planchon I. c. p. 334. -f — Ramulis sparsis* et adpressis pilosulis; foliis anguste oblongis cuspidatis, basi subaequali cordatis serrulatis, utrinque punctulata dispersis, subtus tantum secus nervos pilis punctis impressis dispersis; cymis polygamis saepius geminis brevissime pedunculatis, petiolum brevissimum duplo superantibus; drupis ovatis glaberrimis, vix semilinenis longis. — *Celtis rufescens* Herb. Banks. — *Sponia Lima* Duth. (Pl. Hartw. n. e. olior.) — Crescit in Jamaica.
92. SP. CHICHILEA Planchon I. c. f — Ramulis, petiolis foliisque novellis subtus pilis adpressis sericeis; foliis adnatis magnis ovato-oblongis acuminatis, basi subaequali (aut vix inaequali) cordatis vel rotundatis, senilis chincis, utrinque taciuasperis, subtus secus nervos adpressis pilosulis; petiolis brevissimis, obtuse canaliculatis; cymis masculis geminis, petiolo longioribus (foemineis conis brevioribus) sessilibus brevissime pedunculatis multi-vel confinis. — *Celtis Chichilea* Juss. mss. — Crescit in Peruvia.
93. SP. SCHIRDEANA Planchon I. c. p. 335. f — Ramulis adpressis puberulis*; foliis ovato-oblongis obovatis, basi ovatis, vix subcordatis, utrinque scabris; cymis axillaribus geminis dichotomis divaricatis, petiolum (longiusculum) dimidium nequallibus. — *Celtis Schirdeana* Cham. & Schlegel. Linnæa VII. 140. — Crescit in Mexico.

t Species In genere ob aestivationem florum manovlorum anomala*

94. SP. ANUERSONII Planchon I. c. p. 336. f — Ramulis crassis petiolisque tenuiter sericeis, demum cinereo-pubescentibus; stipulis dimidiatis ovato-inaequalibus, petiolum aequantibus; foliis ovato-oblongis uncinatis, basi nequali vel subaequali leviter cordatis vel rotundatis crenulato-serrulatis, novellis utrinque sericeis, adultis oculo nudo glabrescentibus, supra punctulato-pilosulis (nervis subnervis); cymis masculis densifloris; perianthii (flor. masc.) laciniis concavis, conspicue imbricatis; cymis foemineis punctulatis, petiolo brevioribus; bacca parva obovata glaberrima. — Crescit in insula Tanna oceani Pacifici.

t t Species non satis notae.

95. SP. RIGIDA Decaisne. — Planchon I. c. p. 336. f — Ramulis tetragonis asperis; foliis ovato-oblongis uncinatis serrulatis, basi inaequalibus rigidis, supra nitidis, infra cineriscentibus. — *Celtis rigida* Blume. — Crescit in insula Java.
96. SP. TOMENTOSA Planchon I. c. p. 336. f — Fruticosa: foliis longe cordatis acuminatis serrulatis truncatis, supra scabris, subtus velutinis; thyrsis (cymis) axillaribus brevibus densis. — *Celtis tomentosa* Roxb. — Crescit in India orientali.

t f f Species e genere excludenda?

- ** SP. NUDIFLORA Sieb. a Zuccar. - Planchon I. c. pag. 336. - (Wlprs. Annal. I. 640. no. 1.)

III. APHYLLIVASTIUM Planchon.

(Planchon, Annal. des sc. natur. [Ser. 3] X. p. 265.)

Flores monoici. Masculorum perianthium quadripartitum, laciniis concavis aestivatione biserialiter valde imbricatis. Stamina *Sponiae*. Foemineum perianthium quadripartitum, laciniis ovato-lanceolatis erectis, basi im-

bncalis. Ovanum oblongum, pihs cineicis brevibus slngosum. St>li duo, ovano longioies, cylindiaci, papil'is pibjormibus bre\ibus stipmatosi. Fiuctus. ...V — Fiulex u'l aiboi? Plnlippinensis, vegetatione *Spomae*. Folia tnneiua senala, luulei aspeia. L\mulae masculae paucifloiae abbcviatae ^lomeiuhfoinies, loiu'iusuile pedicellatae, plums in lacemum lOnLucUiin bieMSSiinum con^eslje, lacemis axillas lolioium adulloium occupanUbus. Hons foemmu ICIP onincs in a\illis folioium no\el-loriMJ] sossilcb \el bicwssjme pedunculati, uno\el alti'io passim cjmulat inasculao suprunae inlei mi\to

1 ' A PINLIPPftCNSIS Plane lion I t pug 337 f — (n*stil in insula Luçonia Philip-pmmum

IV. GIROJVJViljiĭt.% *Gaudich*

(*Nemohujma* Planch Annal des sc udUii [Sei 3] X p 265 — *dnunmera* Gaudich Voy du la Itonie tab 85 — Planchon 1 c 338)

Hoiob dioici / (sallem diclinos, in rainulis diversis) *Mas* Perian-Ibiuiu quadnpailuiri, lacinns subiolundis aeslnalione \aldu imbricate. Slamina qualuoi *boem* I'cnanlliuin mans, sed niajus Nu\ sicca lenli-ciilans, adpios^e sliimlosa, puianlbio pi rsMcnte sulTiilla Sl>li duo, i)asi in iimiiii bicum ton(1(icnlts, (acini um filifoimes longt, undique papillib pilifoimibus shinnalosi, pcisisicnits — Frulices \U aiboies^ Imlific onentiilis liopitae, \(\i^ulalionc *Spomae*, ineimes. Folia pmn-ner\ia inlu^eiruna wl denlicul.tla Shpiilao libciaio majuscul»o, folium leimmalo ^cinmactuni den^issimt stucemn pmo \elantes, Illo sese explicanle cadutae. Hoius mastuli mmiili. in ploinciillos (re \((Ta cymulab contraclas) collecli, plom^eiuhs di^posilis m iaccmum axillarem, saepius ad basin in tamos lies dixisuin bn'MbSinuirn, duo inaequahter elongatos, (lomm foemineoniii] cy/na conliacra dense lamosissima |e| laxa subracemifoirnis depaupeiala.

1 G PARVIFULIA Plnchon 1 c p 338 + — Ramulis, pcliolis, stipulis nevisque sub-uis adpicitsissime slugulosis, folns lanceolitis acuminus, uiunque acuiio, apicem vcisus leviier lepnndo -dentituldliis, ca>ctium subintegenimis glabiesceniibus iatvi-bns Hindis, ngide rnenihiaricois, fiucilms pnus (3 \ 4), in muniuin Kixim folns pnulo bievioiein digesiis, mflmo avill in el supremo longe pidnellaiis, siigmnlibus flilifoimibus, mice leniiculau Icviler obliqua 5- vel 6-plo el ulna longioubus — Cies-cil in dilione Malaccensi

2 G MRVOSA Planchon I c f — Gemmis novrllis petiolisque, densissime aureo-senccin, Tolns lanceohito acumirialis, ha^i conspicue inaoqnalibus, *ublus inter nervos prominencia, adpiesse pilosos mollilei pubescenubus, spicis foein neis bievibus sim* plinbus, mice lenticulari adpre^e slngo>a — *Antulesmn neivosum* Wall «Caial no 7289 — Crehcit in insula Penang el in dmone Malaccensi

3 G SUUA1 QUAMS Planclion I c p 339 f — Gcoimis no\cllis, peulis nervisque sub-tus adpiesse pilosi^, folns basi vix inarqualibus, apice ncule acuminalis, «ubtus prae-ler nei\os glabnuscilis, racemit foemmeis spicifoimibus pnucillous, nucibus lenli* tulanbus, adresse slngosis apice in lostrurn breve stjlifoime atlonunlis, slgmalibus **ubtupk**) bievionbus

^ *Javana*. lamis pniolisque pihs longis semipatenlibus sparsis, alusbrevioiibu* adpiessis intermutis, apiculo fiuctus vix 1 tin longo

(J *Zeylanica* an species distincta * — l'ilis rnmorum pelioloiumque omnibus nd-pres»is, npiculo fructus brevissimo — Crescit vor a in insula Java, var (3. m in-sula /eylama

- 4 G FELTIDIFOLIA Gaudich I c — Planchon I c 340 f — Folns migms oblongis, acute breuterque cuspiditis, basi oblique cordatis, margine revoluta remote denticulatis, subtus secus nervos singosis, nucibus paivis plunbus in cjmnm couferussime ramosam den sain collectis -- Grescit in insula Luçoma Pihppinaium

V CH%ET% C1OIE *Planch*

(Planchon, Ann drs* sc natur [Ser 3] X p 340)

Flores dioui? *Mas* Penanhitim quinqueparhtum, lacinnis oblongis, aelivatione erectis, marginibus leviler imbncatis et involutis crassiusculi*? pellucido-punctalis Slamina qumque penanthn lacinnis opposita, snb disco bieM tomento^o, cui rudimentum pistilli conico-oblongum insidct, inserU, <iestivahone erecta Anlherae oblongae, dorso medio affixae oscillantes, aestnatione erectae, loculis nma lateral] m-llOI<5 a longitudine tota hianlibus *Foem* Nu\ vel forsan bacca exsucca, lon-iculari-plobosa basi lacinnis perianthn quinque ovalis marcescentibus innbricatis suffulta, stigmdtil)us longfs filiformibus papillosis coronala —• trulex vel arboi? Capensis, sub anthesi folns adultis ornata, et *>unul cum f] on bus innovationes nulla gemma squamosa tectas expncans. n^ami rarnulique valdp flexuo^i spinis peminis axillanbus reclis armati Xfc^l ianus incimes toha dislichia bre\iter petiolata lanceolata \el oblonpo-elliphca, ba^i Je\itoi maequal^emarginata, apice acutiuscula vel °hinsalaf <?eta interdum mncroniform apiculati, mtepernma vel hmc ^de denlihns pnucis exsertis acuh^ aucla, chartaceo-subconacea penni-n<rvia leliculalo-venosa, supia nitida laeMa glabia, subtus pilis bre-v<st>imimis asperata ^el demum elabiata Stipulae in unim longiusculam Int^raa\illaiem folium pemmaceum subject urn con\olutum in\olventern n^mbranceam iulam concretae Cvmae flonim ma^cnlorum axillares confertiflone pedicelbs fasciculato-congestis, fascicuhs basi bracteis °vahs opposilis A el subcongelis stipatis Inflorescentiae foemineae J^gnotae

¹ 'HI ARISTATA Planchon I c p 341 +

a mprniff loins ovnto - lanceolatis \el oblongis, i—2 - pollioanbus, utriouque laovibus integerrimis — *Cellis anstata* E Mey

? . *passim armata* folns ellipticis 8-i5lin longis, subtus asperulis iDtegerlomis — *Celtis appendiculata* E Mey

γ *aimata* foliis elliptico-lanceolatis, subtus scabns IntPgernmis vel Mnc inde ~~dentibus~~ exsertis auctis — *Cellis subdentata* E Mey — Crescit in Africa austral!

Ordo CCXXVI. CANNABINEAE *Endi*

(Fndl Gen pi p 286 — Meisn Gen pi vascul J 348 IF 259 — Wlprs Annal I 642)

1890 *Cannabis* *Tournef*

(Linn Gen pi no 901)

1 (FIHNENSIS L. *lilt* Ind s(m lion Mousp 1849 p 7 — *Cannabi salna commum*
mplo eloiior, ramota bisi d(nso cortico veluti couo obducla semini sub adventu
biemis tarde maiuians — Hibiiai in China

CCXXVII. URTICACEAE *Endi*

(Fndl Genei pi | 282, Sup| I I p 137b Mippl II p 30, Suppl IV II p 36 — Meisn
Genoi pi vascul I 348 I%2a9 - Wlprs Annal f 642)

1879 *Urtica* *Tomnef*

(*Touinef Insi* 308 — Lndl Gen pi p 283 [ex p] — Wlprs Anna) I 642)

§ 1 *Oppositifoliac*

1 U SUWNCISA Bulb PI ml llaiUyc^ 293 no 16<30 — tiectn scotosn folns oppositis
longe pucuhlis lite conhlo « vniis icumimiis gidssi inciso dnntatis utiinup spirse
seiosis L,lomciulis mdiopyniN ov \to globosis hxiuscul s sessihbus vel betvner pe-
dnn<ulaiis — Caulis tt folia omnmo *U piluhftiat* (loies el inllorescenlia *U mentis*,
it species lam ab his qinm nb *I ttachydifyha* Knth 8c Bonchd disimcla ndetur
faulit eieclus elatus sellis long-is dense *uminis, piln nonnullis brcvibus inlrmixlis
Petioh l'A — 2- pollicires pauter scotosi el pilosi Folia bipollicana , vix nngustiora
qiiim longi denies lanctolati 3—5 lin longi intcgoinmi vel uni — bidentad Nervi
ib apice pucoli palmju 5—7 quorum tamen 3 caeiens validiores, pigina utraque
sctis p tucis el **pilis** luevibus conspei!>n Folia sum ma gradaiim angustiora abeunt
in bracios lanccolans pinniiifldo-dpnlaias Floium ^lomeiuli fcie omnes sessile*
soluaiii et opposid infeuoics ex eadem txilh una cum lamulo orli, bieviter pedicel-
liu Floies qmin in *L uientt* paulo majoies, masculi pauci, calycis icgmenti q»^{an}
mor ovatn lusjith, feie lincam longi, stamina calyce subduplo longiora, o\im rudi-
mentum bre\e, focminooium segmenta inteiiora us raanum sun ill a, extenore dimnllo
minora oviinim sessile oblongum, apice attenuatum, stigmile sessili **pt nicillaio**
Achattnum ovaio compicssura pallidmn — Ciescit in Mexico ad sepes*prope SantaBosa

- 2 U GLOMERULIFLORÁ* Sieud Flora (D Z) XXXIH p 257 — Cnule frutiruloso eiecio stihimplici oblungulo siriao (ulna pod.ili). seuloso-pubescente, folns oppo- site pctiolntH, pctioli* slngoso-pilots Iniiuin dtij lo brevioiibus hnc ovaio-oblongn, utiinque puncicilQto-rXfispent'i 3— 5-nervm, ncms <li\isis, nmgme giosse denimo- Ltennii, floubus circa nxilhs el in interno axillan snbxiiu ilhiis in glomerulis mtild- (lous orbicuhribus, scnnulius »mu> icntis biunncis, ruenm npice foliolobO-comOMs — Inbiiil in NJVIS luiniidmsciilis moiiiiium ediiiorum insuhe Juin Fernandez
- 3 U PSEUDODIOITA Mend 1 c — CiuU suftiuiulo&o credo terfti -sclinlo cantscenti seloso- hispitlo lamuloso, rmiulis leniibus bi«viluis hoibicns pelioljsque seloso-his- pulis, foli2> opposms oblongis ci pn,io-doiiniis ncumm.iti!, (1—^' longis, 'A—/« Inlis) ad ntrvos pracsciiim seloso-hispidis, lacennis JXIII uibus s>ubveiticiH illis folia aoquan- tibus vel supunniibus (lonbiib pci glomciulos inleirupic <?pitalos disposing,. ««mini- bus ovtiis, utunqne bicvis^nnc nculis ilbis nmdis — flibiit ad sopes socus vias Rnnc.iguac in fluli
- 4 U THEMIS Meud. I t — Rndice tenui fibroso, caule credo Mibteiiogono stnato sunplici vtl VI\ romulo^o (ped ill) pntenii-piloso, folns opposing supnioubus alieinif, peulatis suhionjbtu - oblongis obiususculis integernnis, «paisim paionti - pilots poubu-> nxillai ibus subglomeintM 6—8-nls pilosis, glomeiulis br*»i bieviici biacteolaiia — Inbiiim in tarn pis prope Mungalon Indino oueninlis
- 5 U FHEIIBALhONMIS blend I c p 25s — Cnule aaccndente ramoaissimo lenui car- nosulo (i^que pednli) pniuuli - piloso, pilis tenui^imis pellucidis, loins infeiiionbus opposuis, supei IOI ibus uliemis, omnibus i hombco - ovniib vel suboibiculis inaequali- bus (I'A — 7' longis) irintivus inlegei ninis cihalib, in Ininim purfclicululo - aspeiulis, glabnusculus vel piiu&ulis, florUms axillaelbus soliiarns vci buns parvia — Adeo si- milis *Fteucac Slsincjuhae* Drongn, ut non nisi inloiescencia omnino *Urticae* possit dialingui — *U panetanaejoha* Deiler — Hobilit ad rupes Hancaguae in Chili
- 6 U PAU(1FLORA Hochst 1 c p 258 — Fruiculosj rmosa inmis simplicibus vel ramulobis suble)idolo - adsperMs pilosulo-selulosis giacilibus sincliusculis, folns op- posilis, inferionbus deciduis lemolis, supeiionbus sensim mngis npproximalis pelio- laus, pculis brtvionbus, lamina ovaujjoufonga (1—1/a longn, 'a—1*' "»») Inneivia, saopc sulilepidoio-adspeisa et uigulosn, ba»i subcunenta LI bicvi iractu mlegra mox crenaio-donicua, ^enlibu^ obiususculis, summo pioilutiiioie elongaio, floubus. axilla- iibus MLssilibus paucis, semimbus acuiis nuidib ovniia mgiis — An eadem ac *U inert* Foij»k / scd obsiani floics in hat capitulum formaults, qui m *I paucifloia* pauci vel soliiam — Habitat in umbiosis niouuis Sllke Ab\st>miae
- 7 U MOLLI» Muud 1 c p 258 — Laule heibacoo tetiagono simplici slnalo, in lei seta» bispui,!!} puiescunte (ukra'peduli), Joins peolaiis opppsiifs (oblongo-)loticeolotis ner- vosis, ulunqne raollilei pubescenlibu», ranicr setis hispidis ad»peisis (2 — 3' , medio 'A — I Inlis), fcupeiionbus sengim agguslionbuM miyoiibus, Utogme acuo giosaiu« denuiis, dtiivt ultimo liueaii productio, spicia axillanbus veiticfliiuis masculis foemi- ncisque mixiis, folio brovjoubus, semmibub ovalis utnnque brevi-acutis albis nltidia — Hobiial in uidciaiis, ad sepus in udi* ad Quillotam in Chili
- 8 U UHACTLATA bleudel I c p Wi — Laule beibaceo simplici subtereti stnato, ⁸parsim seluio^o - bispido (bipedali), folns opposilis breviter petiolalis patenlibus vel (mleuoribus) lellexis, e bisi cordatu ovaio- vel (supeiionbus) angusto lanceolalia cre- naio-denaiiis. lantoi aeluloso - adspeiJ»IS (1/a—2 longis raedio usque 1" laiiis), spicis axilianbus dioicis verticillatia interiupie glomerulalis, folio muho brevioribus, bracteis inter pciolos membranaceis oblongia obtusis peilolo 2—3-plo bievioubus — Habitat ad sepes seous viaa Rancaguae in Chili

§. 2. Alternifoliae

- ⁹ u ^ORDATIFOLIA Steudel I c no. 8 — Caule fruiiculoso teieti molliter pnbescenle, folns alierma brevier petiolalis e bai cordaia ovaio - oblongis acuminaus patenlibus

- vel subreflexis (3' longis, medio 1 — 1'/i' lntu) subllliter crtnnuo - gmntis, supra punctato oscpiulii fusco-viidihiis, subtus molhter serfceo-albldis; omulis axillaribu< petiolo hrevioiihu> — Ilobimt in Hongitong Chinni
- 10 U FLRNANDK/IANA btiudd I t p 259 no S — Prouimbens pmvnlh carno<ula ramosa, iuuJqu<* pilis albidis mollibii* idspnsa (minis |i| ulira 1'A - pollunhu"), folns nlietnis minimis (into lintam supeiHiitihus; ovitis ohuisit, ihoniliu* \LI sub-orbicuhiis, supra punuiio-aspnrulis, flonbijs axilhiibus solnaius, o h m larinn* lineanbus angu*ti<, post anthe<>in persistrniibus scmniibus ovaiis obtuse hrnunus nilidissimis — (*J pantauaefolia* Bert ex p — Habital ad rupes mnnlimus insulae Juan Fernandez
- 11 U SCIIIMPtRIANA Hochst I c p 25 no 10 — A Rich Tent H Abyss II 261 - Riidite Hbrosa, cnulo encto anguloso flslulofco stnulo pnteriti-seluloso piloso (2—3-podnli ot ultra), folns uinolis alUMni* \onpe pciiohtis (peiiolis 3 • pollicoiibus, supe-nonbus brevionbus) ovaiis, supiemis oblongo - Innceola is gio<se crpriato - dentatift, lenmbus mibpdlucidis (3 loruu, 1 — 2 htisj, 8ub>pulx>ruln vi I glmbi ui^culis, nonbus cjmoso • paniculaiis, tjrais nxillonbus pedunculoiib, nunc folia bupeianlibus nunc vix poiios aequniibus — Ynni Tolns duplo mnjonbus (6' longis, 5' lain) ovjio-roluniln longis&ime pdiolalis, C)inis peiolo bievionbus — Habital in proviucia Modal Ab\ssimae *
- 12 U ADOI NSIS floebst I c p 259 no II — A Rich I c 26J — Radice validula fibiosn, c\ule ('/««li_n'ium) crasso (Utuloso eicclo, mlerne glbrnto, sursuin srlis flsiu-Josis nhidi!* bail Mdvetttuutihus sciisini densius miinio el inter selas pubescente, folns allerni^ otiiis peiiohii>, nuigine giosse dentio-cionatis, ad nenos setulosis (4—6 longis, 4—5' htis) trniibus subptllucidi*, cyinis nxillaubus densissimis bievibus multiflons, semirnbus subleniiculan-compiessis oblongo-ovatis scabnusculis fusco-albidis — Habiini pi ope Adoam in rudcralis AbjssiQiae
- 13 U SFMTNSIS Hochsl 1 t p 259 no 12 — A Rich 1 c 260. — Caule ererto simplici vel basi lomoso flstulo^o (*>—% pollicotn^u) crasto, undique sens flsiulosis albidis basi flavidulis obsilo (2—3-podah), folus opposius vel nliernis peiioialis subiuangulan-ovatis nervous, praesertim ad peuolos et neivos sens (caulmis similibus) ob^itis, (1—4' longis, "A— 2' lutis) mnigine inacqutluer crenato-dentntis, CIOMIS pleiunique cienulntis vel lacinulaio-crispulis, floubus c\mosi8 nxillaubus, cymis pttiolos aubaequaniibus densillous — Ihibilat in provincia Sienaen Abyssimae
- 14 U DUM.0SA Hochst I c p 259 no 13 — A Rich 1 c. 262 — Caule piaoallo nnsso (smsum ccilc) flsluloso, undique uti lota fere planla sens flstulosis albidis obsilo, folds alienus priiolnlis pciiolis leflexis pubesoenti-cams muUo brevionbus lamina ovalu nervosa, supia verrucis subc>riila_niri (is rugosa, snblus excnvatiooibus bullosn, bullis maigme tilinlo-cano-pubescentiibus, flonbus ixillanbus densissime in pedicellis ramosis bievibus cjmo^o-confertissimis, cymis pcnolos subaequanlibus, semimbus magms fuscis tuberculaio-asperulis — Habitat in prneruptis pi ope Dschenausam Abyssiniae
- 15 U CON0LNSATA Hochfet 1 c. p 260 no 14 — A. Rich. 1 c 263. — Radice fibrosa, caule eieclo simplici loreii-sulcato, basinudo, suraum setis flstulosis albidis patfoiibus mumto, loins alieims petiolalis ad petiolos nervosque selulo&is, ovaiis (1—1'A longis latisque) acutiusscule senaiis, serratuns quandoque accrescentibus el denticulo uno alieiove muiutis, lamina piaeseriim subius pubescente, cjmis axillanbus dense glomelato- norjfens, «ominibus sub eniifoimi-compressis ovatis puncuculatis et stnoiuolurugilo&is flavescenlibus — Habitat in umbrosis Abjssimae
- 16 U LOMATOCARPA Hochsl I c p 260 no 15 — A Rich I c 263 - Radice icnui fibrosa, caule eroclo magis minus\p ramoso sulento (1—2-pedali), folns nliernis longe petiolaiis ovaiis, basi mlegns, mox dentatis, dente ullioio producto aQummatif (1—2" longis, 3/4 — 1" lain); racemis axillanbus pariim subsessilibus, parlim lon^issime pe-

- 2 P HYAIINA Fn7l Dnkschrfl dei k k Ostr Aknd, (Malh naturw Cl) 1 256 f — Anna cicen binUn no-iimo»i Cnnli*. MIO<tilentu" (in vno hyulino-aquosns) obtuse tetiiponus pur pin f>o>(t iuu^ mm p< nolis n< iibu^que gliibprnmis, taints sjiiiplici&<i liis pntentihus Foln exsiipul il i | u< niissim i I imiia in peliolum spmil< relim cnm uquantem %<? 7i—3-| low MI| emiiein h mil uiciinin I Iipnca vel rliomheo-o\ niQ ocula tiintivin roMilo VMIOSI tnivis vennque Mmpluissimit dipiessis, nnigiubu* uos»i nipultque soinia, 1> isi mte^oinnm sii| n ulunuhs innouiiis* sp-usis hiibuU, suhtus glnltri, lonuiisim t Floiun glomnuli < bi idoli sum l \el subiler no di — truholomc CMHOXO jmiuuhh, cunuljs txillaiihn> 3—7 spmit xcUicilhlis, pelii lit /a—4-|lovt bicVIOilms glom dldics snepc p(dic<l hli rtliqui 2—5 jiiKiiuplo spirili sessiles minunssimi Flous binrmngcii piitoniim <<—) -inriiuiin, hiiniis obovtus cucullnik Si imina 2—3 Flons |iisij|ligori pciigomum 3-pmliium I lcm I imjoie giimon simi-umplcicente idque exsuppt into n uiculnn - foinicm oblu<>i, rchquis buns, obsuletis o\iis Stigma sessile ispoigi lifoime Aclnrriium pingoruo exstnum ovojdeum, lubimilis CO|HOSIS mmiL iium, lus< uin (7* louguin) — *ViUta aueuis* l'ocpp m>& — In LiAsilia piopo Rio de Januio
- 3 P PUMILA A Oiny, Mnninl ol tho bol 0! the N Am Unii Si tiles 437 — Humihs nnnun cuulihus ghbiis niidia uCIII:»IUCNNU»US, loins o\ uis» ^io>>c demons ncuiis III-noiMis gliilinuscuhs, glointiulib tloiun qu tin pdioli mullo b iviuiibus, stpib> lloium **fei** tilium Inuctoljlis puimnp< I HIM qu ililuis — *Dubi utilia pumitu* Gaudith — *Adxkt jiumila* Hilut — Ton *blur* ol New ^01 k II 22J tib *UZ* - Hubiial m Ameuci bo-real I loci? umbiosis (**vulgatis**)

1884a & c BO£HMERIA *Jcq*

(Jcq Collect lab 157 — Wlpis Annal I 647)

- 1 B HYPOLEUCA Ilochsi mss in A Richard, Tent floi Abyss II 2b4 — fmle fruticoco erecto rainoso, lamis \lrgnls ttreiibus pubenti-tomenlosis, foil 19 nllenns petiolatis oblongo - hnceoiiis ncuitisimis, basi OIMUM> nni(,ine itnuitci seraiu*, supnne glnbns, sulitus tilbido - lomctosis, llonbiib dioicis dciic>c gloinerul His ml sj icntis ma^tulis subopieuo -enpuate* fotinmcis III n\iliis loliorum capitaio - con{,lome>alis uchaeiuis &ubcompiti>s>i> — Habitat in Abj>sii)ne nionlosis pio\incnc Tclieleukoie
- 2 B IONGJSPHA Steudel, Hora *fi L* XXXIII pag 2B0 — (dule eiecto teliagono ati into - can lhculdlo, stnguloso-pubtbctnle (plui lpcdali;, Coins opposite longe ptliolatis ovitis, e l)dbi nilif,ia scn&ini d< in ms, duilibus icutsuniilius, Mipia idpres^e pilosiit fusco - \indibus, sublus | uncticulato- aspuulis **palli** lionbus» spiels e quaque axilh solildiiia siinplicibus \ei hd^i bicviliu idinulosis longissimis (uiqut pcdlibus) flIHoinubus inleiiupie gloineruiatis — An *Utua caudala* Poir ? — Habitat in China hoi Pali

1884» PROCRIS *tommers*

(Commers mss ex Juss Gen pi 403 — Wlprs Ann il I 647)

- * PR &XCEISA Bertero, Flora (B Z) XXXIH 261 — Fruiicosi ramis lenui-pubescentibus, demum glabralis mgosis, folns alterms ovaus vel ovalo lanceolatis 1/2" longia, a—V4 laus), crcnato-dentalis, supra viruli-biunneis **puncicul 110** - asp^i ulis **subtus** tenuissimo albido-seuteis, nenis pilosulib, lloium glonierulis basin ramulorum **versus** (post folia dehpsa) lateialibus, summit **axillniibus** mulunous, stiginatibus **elongatis**. -Hnbini m s\lvls umbrosis ei secut> nvulo« colliam msulae Juan Fernandez

- 2 PR HYPOLEUCA Hochstett. I. c 261 — Fiuitosa romis floccoso - pubescentibus teremxculis subongulalls; folus altornis bi enter petiolau hncoohiis ncuinatis tenuner serruhns (!/« — 3" longn, 2—4 ltti«») ? supn fuico-vindulis puhertilis, suhtus dpnse nivpo-tomeniosis, (loium glomorus in rnmulis (post foln dcläpsa) luter alibus el axilhtibns subglobo&i> mulunoiis sessilibus — *Urticae sahcifoliae* Don afflnis niti fone endtm — Habitat in umbro»is montium piope Dschenausam Abyssimae

1885 PARIET%RI% Tournef

(Tournef Inst 289 — Wlprs Annal I 649)

- 1 P ARYSMNIFA Hochst m*s in A Richaid, Teni flor Uya^ II 258 — fnule herba-ceo rnmoso eiecto, rnmis piibenii-pilo«is, folus ilteini* peiolalis ovalibu*, longe acumjn.uis, ba«i sulncutis imrginr inlegns t(inn • mcmbrrnniceis, ^uperne subpilosis, stibium ainchnoideo-ciritiois, flonhus in nxilh folioium conglomerniis, involucre 3—4 **phyllo**, cohce fiucifer ovoidco, npice clauso nervoso hirto, apice attenuato — Habitat in Abyssimu in lupibus vallis Mai-Mezano
- ? P CLLIPTfCA C Koch, Linnaea XXII 606 f — Erecta rnmosa cauhs et rami glabn, folia tenuia elliptica i e ad apicem tt basin sensim attenutta globra, ex margine pul)oiuh, suprn (uberculis (sub lenle) alhidis obsila, obscuie vmdia, sublus aubtiliter **ullulria** pallidi, nervis mmime emmeniibus, pciolo mplo bievion in^iructa, flores **glomerulati**, involucrui 1—2-doium, 4—6-fldum puberulum, pengomum fructiferum **elongatum**, vix puberulum quidiilobum, sidimmbus paono iriplo longius, lobis cilintis, fuaeni mcludeniibu*, achiicnu mgicscenia — Cicscil in Giusiti
- 3 P CRYPTORUM C Koch I c 606 -f — DifTusa umis debilibus flifioimibus puberulis **lia** ovnto-ellipucn ant «id Insiu minus rotundata, acuiiuscula glabia, ex maigine at **lamen** puberula, supia tuberculin ob^ia, ob^cuio vindia, subtus vix pallidiora, nervis minime ennnenubu^, peiolo biovi mplo longioia, floics glomcrulni, mvolucium sub **quidiifidum** pnboi ulum, pengomum fnicufeiuin elongium pubescens quadnlobum, **achacua** olivaceo-mgicscenia — Crescit in monlibus Me&chicis
- 4 P NITCNS C Koch I c 607 + — Diflusa aut subeiecta caulis et lamuli puheruli, **fojra** uvntn nul ad bisin oubito altemiala, supia et snppe subius mtenli -furfuracea, subtus nervis eminpntibus msiucia, pdiolo qunduiplo brevion insidenlia, involucreum ^—3 florum, 4—5-fldum pub^iulum, poiigoniuin fructifeium elongalum, vix puberulum **qumlilohuni**, lobis eiticimsculis uliatis, slamimbus duplo longius, achaemum olivacoum — Ilabuu in Annemae prov Lnwon

1885^c POCZOIKIA Gaudich.

(Gaudich Voy bot Freycinet. 503)

- 1 P GUINEENSIS fimh in Hooker, Niger Flora 518 t — Pubescens caule elongaio r **moso** folus oltemis petiolatis ovnto-lancoolaiis, glomorus mulufiom andiogxms, **floribus** masculis exienonbus minute biacieatis, f foemweis intra bi bracieas oibicuhas **ul***recondnis fructibus costalis exalalis — *Panelana Guineensw* G Don **ms** — Cr«i»cu m insulis St Thomas et Fei nando Po

- 2 P PAUCI FLORA A Richard, Tent nor Abjsa (I 299 -" Përtnnis caul erecto rani o so bfpednli, ramis obsolete quadrangulanbus hirlin, folifs. opposiis peiolatis stlpulau OTalibus acuminatis, basi obtusis, crenato-dentalis ptlofusculls subrugosn, iubtus a basi mnerviis, stipulis Innceolntis llonbus dioicis, foemineis (quos lantum Mdit ouctor) in axilla folio rum súnaggiégatis involucio comrounl bifloro, stigmaie elongoto suhulato subviloso; ichaemo ovoideo acuto lundo — *Urlica pauctfloia* Hochsl mss — Habitat in Abyssinia locis umbrosis regions mediae montis Selki in provincia *Semiene*
- 3 P FLACCIDA A Richaid 1 c p 259 — Caule erecto ramoso, vix pedali birto; foliis vix basi petiolatis opposiis ellipiicis ucutis, basi cuneatis el integns, caeleruni grosse seiraiis, subius a basi tunemis, supulis ovali-lanccolaiis cilialis, (lonbus monoicis, masculis cum foemineis in eadem axilla, oiasculis saepius 2 pedicellatis externis ca-Iyce4-Udo campanulato piloso, stamimbus 4 exsertis, foemineis 1—2 centralibus, utrinque in\olucro saenius 3—4-ph>llo, calyce tubuloso oblongo sensim coarctato compresso subbialato, apTO 5-dcmtaio, dentibus uiimnus obtusis, stigma(P subulato elongato piloso — Habitat in Ab\ssmia locis umbrosis prope Adoua el Merasab

1887. FORSK & IJEA *Linn*

(Linn Gen pi no 1262)

- 1 F PROCRIDIFOLIA 0 Webb in Hookei, Nigei Flora p 179% — Harais lignosis, pilis pnlulis stngosH, foliis lanceolntis aculissim, basi altenuaiis scabns, supra vindibus, subtus cinerco - lomeniosis sublnplinerviis, nervis ascondenlibus, margine ar^uie serlato-ikntaiis, dentibus spinosis, biacteis lanceolaus scanosis, involucio nmplo turbinato, tubo parce piloso, lacimis oblongis aculis nudis, antheus roiundatis, siylis pilosissimis longe exsertis, fiuciu ellipuco subconvexo, basi in pedicellum brevem aite nuato — Crescil in insulis ad (<ap verd
- 2 F VIRIDIS Ehrenbrg mss ex Dsf Cat hort Pans, (ed 3) p. 347 — B Webb I c — Lnule basi lignoso, ramis pilis dscondentibus biris vel glabiescemibus, foliis ovdto-lunceolatis, basi ailenuiis subscabus, uliinque \nidibus vel tomento tiuereo soidide albidis tnplinerviis, net vis divancads, mntgine vix ie\olu(is crenato-denUtis, (fentiinuf saepe iriegulanbus \cl subobsolelis, involucro luibmato apice dilatato, tubo ad angulos piloso, lacimis hie ovaiis folinceis obtusis \cl obtusiusculis, stylo breviusculo pubesceute, fiuctu ovali — In insulis ad Cap verd

Ordo CCXB. FICACEAE *Boj.*

(MOREAE Endl. *Gener. plant*, p. 277; *Suppl.* 1. p. 1375; *Suppl.* II. p. 30; *Suppl.* IV. p. 33.
— Meisn. *Gen. pi. vaacul.* I. 350. II. 261. — *Wlprs. Annal.* I. 669.)

1859a. ITROSTIQMA *Gasparrini.*

(Miquol in *Wlprs. Annal.* I. 670.)

1. U. VOGELII Miqu. in *Lond. journ. of bot.* VII. tab. 12. fig. A. (absq. diagn.) — *Hook. Niger Flora* 520. f — (*Wlprs. Annal.* 1. 683. no. 74.) — Foliis longiusculo petiolalis obovalo- v. lanceolato-oblongis, breviter plerumque obtuse acuminatis, basi obtusis s. leviter emarginatis coriaceis, supra glabris, subtus puberulis trinerviis costulisque uirique 4—5 patulo- ascendentibus reticulatis; receptaculis axillaribus geminis subsessilibus globosis glabriusculis; involucri trilobi lobis medio hirtis. — Pecioli 1—2 pollicares, folia 6—8 poll, longa, 3—5 poll. lata. — Habitat in Nigritia (Grand Bassa et Gape Palmas.)
2. U. RUBIGUNUM Miqu. in *Hook. Lond. journ. bot.* VII. tab. 12. fig. B. (absq. diagn.) — *Hook. Niger Flora* 250. f — (*Wlprs.* 1. c. no. 79.) — Foliis modico petiolalis ovatis, ellipticis v. obovalo- ellipticis rotundato-obtusis v. breviter apiculatis, basi aequali leviter conatis integerrimis coriaceis, adultis utrinque glabris, junioribus ciliolatis trinerviis costulisque utrinque 5—7, petiolis antice puberulis glabrescentibus stipulis lanceolatis acuminatis convolutis puberulis, anlice deorsum hirsutis; receptaculis axillaribus geminis v. solitariis breviter pedunculatis obovato-globosis sericeo- villosis, umbilici rimae subbianie; involucri trilobo pubescente circumscisso deciduo. — Pecioli 6—12 lin. longi, folia 2—4 poll, longa, 1-2 poll. lata. — Habitat in Africa tropica occidentali (on IlieQuorra, alOdoenda).
3. U. ELEGANS Miqu. in *Hook. Lond. Journ. bot.* VII. tab. 13. fig. A. (absq. diagn.) — *Hook. Niger Flora* 521. f — (*Wlprs.* I. c. 684. no. 87.*) — Foliis oblongo- obovatis v. ovatis, breviter emarginatis apiculatis, ima basi angustata obtusis integerrimis coriaceo- membranaceis glabris, costulis utrinque circiter 10-nis; stipulis lanceolatis acuminatis convolutis glabris; receptaculis (ex Vog. mss.) longe pedunculatis pendulis. — Pecioli 5-1 1/2, poll, longi, folia 4-5 - pollicaria, 2-2 7/8 poll. lata. — Habitat in Africa tropica occidentali (Cape coast).
4. U. OTTONIAEFOLIUM Miqu. in *Hook. Lond. Journ. bot.* VII. tab. 13. fig. B. (absq. diagn.) — *Hook. Niger Flora* 521. f — (*Wlprs.* 1. c. no. 88.*) — Foliis longiuscule petiolalis oblongis v. obovato-oblongis, breviter emarginatis acuminatis, basi acutis integerrimis membranaceis glabris trinerviis costulisque uirique 4-7 paucis; stipulis lanceolatis glabris, apice puberulis, convolutis; receptaculis axillaribus 1-2 pedunculatis globosis leniter puberulis glabrescentibus; involucri trilobo demum circumscisso. — Pecioli in petiolo 1-1 1/2 - pollicari, 3-4% poll, longa, 1-2 poll, lata, fere membranacea. — Habitat in Africa tropica occidentali.
5. U. THONNINGH Miqu. in *Hook. Lond. Journ. bot.* VII. tab. 13. fig. C. (absq. diagn.) — *Hook. Niger Flora* 521. f — (*Wlprs.* 1. c. no. 89/) — Foliis longiuscule petiolalis oblongis v. obovato- oblongis obtusis rotundatis v. emarginatis, basi acutis v. obtusiusculis.

oulis integemmis conaceis glabns, venulis distinctioribus utrinque fere 12-ms; receptaculis axillaribus geminis breviter pedunculatis globosis*, versus basin pilosula v glabns, involucri trilobi lobis rotundatis puberulis et ciliatis. — *Ficus microcarpa* Vahl, Enumer II 188 (nec I inn) — *Ficus Thonningii* Blume — Habitat in Africa tropica occidentali, Guinea (ad I Nun)

- 6 U ILICINUM Sonder, I innaea XXIII 136 f — Glaberrimum ramis ramulisque sulcatis luteis centibus, foliis modice petiolaribus oblongis obtusis, basi obtusis vel subangulatis marginibus conaceis pallidis, supra hirsutissimis lucidis, subtus costatis 5—8 reticulatis, petioli crassis supra sulcatis, stipulis ovatis acutis convolutis — In Protonotario bonae spei

1859d SYCOKIOPSIS Gasparnt.

(Miquel in Wlprs Annal I 7(W))

- 1 S VOGELIANA Miquel in Hook Niger Flon 522 + — Ramis glabns, ramulis, petioliis foliisque subtus praesertim in nervo medio costisque subbifidis hirsutis, his breviter v longe petiolatis obovatis-oblongis acutis v breviter apiculatis, versus basin attenuatis ipsique basi leviter emarginatis subtruncatis, praesertim versus apicem crenatis-sciratis v repindis coriaceo-membranaceis tinnensibus et utrinque 5—6 - costatis, junioribus pilis raris longiusculis conspersis, dein glabns laevigatis, subtus lutescentibus et sub lente punctatis, receptaculis supra ramos aphyllis racemosis - paniculatis, junioribus ovatis v globosis, parce hirsutis, bracteis tubis ovatis pedunculoque hirsutis. — Arbor 30—40-pedalis, petioli $\frac{1}{2}$ —2 pollic longi, folia 3—7 - pollicana, 2—4' poll lata — Habitat in insula Fernando Po (el in Quorra)
- 2 S GUINEENSIS Miquel in Hook Lond Journ of bot VII tab 14 fig D (absq diagn) — Wlprs Annal I 704 no 8* — Hook Niger Flora 523 f — Ramulis, petioliis foliisque subtus in nervis pilis paucis fugacibus conspersis, his longiuscule petiolatis oblongis acutis v obtusiusculis, basi acutis, praesertim versus apicem dentato - serratis, membranaceo - conaceis laevibus v scnectute asperiusculis tinnensibus et utrinque 4—5-costatis, stipulis lanceolatis, doiso appresso hirsutis, marginibus ciliatis, receptaculis supra ramos laterales e limbo v vetustis ramis protrusis racemosis, maturs rubris — *Ficus Brassii* R Br Transact of the hort Soc V 448 — Petioli $\frac{1}{2}$ —2 - pollicares, folia 3—5 poll longa, 2—2' $\frac{1}{2}$ poll lata. — Habitat in Sierra Leone, Gape Paimas.
- 3 * S THONNINGIANA Miquel in Wlprs Annal I. 704 no 6 nuntiatur, in Flora Nigritiana non descripta est
- 4 S HIRSUTA Sonder, Linnaea XXIII 137 f — Ramis petiolisque hirsutis, foliis modice petiolatis obovatis - orbiculatis obtusis retusisve, basi cordatis integemmis v subrepandis tuncivis et paucicosiatis* conaceis, supra pilosis, demum glabns laevibus, subtus reticulatis inolliter pubescentibus, stipulis I allis ovatis acummatibus, dorso hirsutis, receptaculis confertis sessilibus obovatis-globosis hirsutis, apice demum glabris, ore proeminulo linea transversali munito — Poit Natal
- 5 S ? (FICUS) CAPRAEFOLIA Delile, Ann sc nat (2 Se>) XX 94 - Ferret & Galim. Voy en Abyss III 158 — Ramis summis giacilibus, stipulis gemmatis diu persist⁰ tibus, foliis obovatis asperis, breviter petiolatis, pedunculo petioli longiore, fructibus solitariis globosis — *Inns antithetophylla* Steudel — Crescit in Abyssinia
- 6 S ? (FICUS) DAHRO Delile I c - Ferret et Galimer I c 159 tab 15 - Batnfi terminalibus digu crassibus*, stipula terminali brevi acuta, basi tomentosa, foliorum

disco corcUrto-ovato, sinu basi profnndo, glabro palmari aervoso, nervis obliquity fractibus globosii tonentosia sjibsessilibus, geminatis ex axilla petiolorum. — *Ficus Indica* Hochst — Crescit In Abyssinia.

1859e. FICUS *Linn.*

(Miquel in Wlprs. Annul. I. 706.)

§. 1. *Caricoides* Miqu. in Wlprs. Anna). I. 706.

1. F. LEUCOCARPA Gasparrini, Rendiconto delta acad. di Napoli IV. 399. — Wlprs. Ann. bot. I. 707. * — Trunco clato; foliis palmato-quinquelobis glabriusculis submeabra-naceis; grossis plerumque aborlivis oblongis, ex viridi subviolaceis, basi attenuatis; Tornilis albis, turbinatis subrotundis, pulpa tcnera dulci mellifera; florum pedicellis crassiusculis ex albido - roseis. — In muris veiuslis el rupium flssuris prope Neapolio* Cultura non muiatur el vulgari nomine Fico *trojano* nuncupatur. Hujus Fid varietates esse videntur:

{J. Grossis subrotundis. — *Fico albo* Galles.

y. *unifera*: fornitis lurbinetls, basi attenuatis, cortice tenuisslmo hitescentl, pulpa carnea, florum pedicellis attenuatis. — *Fico pissatutto* Galles.

2. F. DOTTATA Gasparrini I. c. — Wlprs. I. c. * — Trunco elato ramosissimo; foliis crassis birsulis, obiter palmato-5-lobis obtusis; grossis oblongis, basi aitenuatis, subviolaceis; fornilis glabriusculis, oblongo - turbinatis subrotundisve, laevisstaiis albis, cortice subeoriaceo, pulpa flrmiuscula saccharifera; florum pedicellis attenoeis, ex albido roseis. — In asperis maritimis ei submonlosis calcareis regni Neapolhani. Planta haec copfoso lacte redundans et prae caelcris fructifera, gaudet ramulorum in- (ernodiis brevibus. In hortis, ubi nomine *Fico dottato* colitur, fructus forma et magni- tudine variat; in loco natali vero ejus grossi abortivi vel mox decidui, f6rniti autem coriice quandoque ex viridi fusco.

- 3- F. COLOMBRA Gasparrini I. c. lab. 2. — Ramis annotinis villosis; foliis scabris^ pro- funde palmato-5-lobis, lobis angustis; grossis perslsteniibus laevibus, maximis rolun- dato - depressis sessilibus, pulpa ullia dulci; fornitis subrotundis ex viridi albis. — Vulgo *Fico Colombro*. Sylvalicam adhuc non inveni, at cuitura non mutatur.

- * ?• POLYMORPHA Gasparrini I.e. tab.4. — Ramis annotinivillosissirais; foliis palmato- 5-lobis; grossis turbinatis laevibus fuscis vel subviolaceis; farnitis villosis rotundato- turbinaiis, pulpa rosacea, coriice ex viridi fusco. — Ficus baec crescit abunde prope Neapolin in muris veiuslis, rupium flssuris, immo et in praeruptis insularum adja- centium, et a culioribus Neapolitanis plerumque vulgari nomine *Fico chiajese* designa- tor, in hortis ex seminibus facillime enascitur et ideo lam habitu quam fructus cbaracteribus valde polymorpha est. Ex bac sequentes emanarunt varietates:

a. *Juliana*: (*Ficus praecox* Gaa^ni Giiss, Fl. Sic. syn. II. p. 680.) — Trunco humilij, foliorum lobis profuodis, Qbs.<^^vJridibua; grossis deoiduis; fornitis oblongis vel subrotundis prae«ocibus, cortioe eT^fcijifusco, pulpa caroea. — Vulgo *Fico kugUa- tico* vel *lugliavolo*.

B. *bifera*: grossis persiatenlibus oblongis; fornitis subrotundis, cortice laevi ex violaceo qjgro; floriim pediceUis carnflis aitenuatis. — Vulgo *Fico sampiero*.

Y barnenus foliis submembranaceis, obiter lobatis, grossis oblongis, basi attenuatis laevibus, raio persistentibus, fornitis tuibinatis — Vulgo *Fxco sarnese* Vanat fructibus albis et violaceo-fusci* (Tab 7)

8. *depressa* grossis abortivis, fornitis sessilibus, turbinato-depressis laevibus cortice violacco-nigro, florum pedicelli* attenuatis rubens — Vulgo *Fxco brogiotto* Vanat fructibus albis

e *melanocarpa* foliis crassiusculis villosis, obiter lobatis, grossis deuduis fornitis subrotundo-tuibinatis, cortice violaceo-fusco, pulpa albidn, floium pedicellis attenuatis — Vulgo *Ftco barbanera* Vanetas fluclus pedunculo rubio et cortice violaceo-mgro colitur nomine *Fico petronciano*

C *elegans* foliis profunde palmato-5-lobis, lobis angustis basi constiictis, fornitis cortice subviolaceo aut ex vindi - violaceo vano, pulpa carnea (itco *vezzozo* Gall)

t), *haematocarpa* grossis abortivis, fornitis subrotundis cortice vindi-violaceo pulpa sanguinea, florum pedicellis incrassatis — Vulgo *Iico melo grano* — Hujus flus lusus est *Fico Bnanzolo* ejusdem auclom (Galles) pro foliis amphs, foinitis rotundis, cortice integro vindi, pulpa atosanguinea

- 5 F PAGHYCARPA Gaspamm 1 c 394 tab 5 — Trunco elato, foliis scabns profunde pdlmiio-5-lobis, lobis angustis, grossis abortivis fornitis laevibus turbinatis maximis scapissime prolifens, coilice fusco subvioliceo, pulpa rosei flimiuscula florum pedicellis incrassaus — Vulgo *Iico lautaro* — *litus macro car pa* Gasp in Guss 1 c

a *fasciata* fornitis cortice tenui, fascus vindibus et flavicantibus alterms, a basi ad apicem prolensis — Vulgo *Iico limone* vel *ziyaiello*

p. *nobihs* unifera foliis crassiusculis, fornitis turbinatis, cortice laevi vindi-lundo, interdum hinc inde subviolaceo, pulpa carnea, florum pedicellib incrassatis — *Iico legma dalles*

Y *LuMtamca* foliis crissiusculis palmato-5-lobis obtusis, fornitis maximis, r6-tundatis^ basi in pedunculum crassum constiictis, coitice vindi-fusco laevi, pulpa carnea, florum pedunculis incrassatis — *Fxco Poitoghese* Galles

- 6 F DCLICIOSA Gaspamm 1 c 394 — Bifeia foliis obiter 5-lobatis, lobis latis, grossis turbinatis, cortice vindi-fusco, pulpa subviolacca florum pedicellia carneis vel rubens, fornitis mmonbus subrotundis, cortice ex tlbido flavo pulpa albida, floium pedicellis carncib — Vulgo *Iico paradiso*

(3 *castanea* bifeia foliis profunde 5 lobo-palmatis scabns lobis dngustis basi constiictis, grossis oblongis, cortice laevi mbro-fusco, pulpa carnea, fornitis mmonbus subrotundo-depressis, cortice fusco, pulpa albida — Vulgo *Iico datlo*

Y *latifoha* bifera foliis amplis, membranateis, 3—5-lobalis, lobis latis, oblusis vel fere acuminatis, grossis oblongis, basi constnclis, corlice vindi-fusco, pulpa subviolacea, florum pedicellis carneis, fornitis subrotundo - turbmatis, cortice vindi, pulpa rubra — Vulgo *Iico monaco*

\$ *maxima* bifera foliis ambitu subrotundis, obitci 5-lobatis, amphssimis erassis, supra scabnusculis, aubtus molliter villQ5is, fructibus majusculis obcomco - turbinatis, cortice fusco vel subviolaceo, pulpa^Anea — Haec flcus sat raro colitur prope Neapolin, vulgai i nomine *Iico cervone*, *#pApulia vero *Iico asmtno* auditur

- ? P HYPOIEU(A Gaspainm I c 395 — Foliis pallide vnentibus, palmato-5-lobis, lobis oblongo-sinuatis obtusis, antice latis, basi constnclis, petiolo lamina brevionbus; grossis abortivis, fornitia subrotundo -lurbmalis, corlice lundo virescenti, pulpa ex«

albido - flava, florum pedicellis attenuatis. — Vulgo *Fxco verdeccio* — Ficus h*ec qtoz distinguenda ti unco bumili, (bins pallide virentibus et fructu — Prope Neapolin **

§ 3. *Genumae* Miqu. in Wlprs. 1. c. 708.

- 8 F PETTIANA A Richard, Tent (lor Abyss II 271. tab 80 — Ramulis junionbus hirtellis, folus alterm* longe petiolatis ovalibus acuminatis dentatis, basi profunde el obtuse cordatis, supeme, sed praesertim subtus pubentibus maximis, leceptaculis obovutis axillai ibus geminis, longe pedunculatis, exlremitatem digiti aequantibus hirtellis, bracteis 3—4 verticillatis brevibus concavis crassis, in medio pedunculo sins — Habitat in Abys^inia regno Goa

§ 4. *JSycydium* Miqu. in Wlprs. 1. c. 711.

- 9 F AbPERIFOLIA Miqu. in Hook Lond journ of bot VII tab 15 fig B (absq diagn) — Wlprs Annal I 711 no 39 ' — Hook Nigei Flora 524 f — Folns ellipticis breviiier dcuminalis vel aculis subdenticulais integus vel utrinque sinu diversiformi excisia conaceis, utrinque scabro-aspenimis, supia mtidulis, demum subareolatis, subtus in sicco lutescenlibus tostulisque venulosis 5—6 patulis reticulalis, leoeptaculis axillm ibus plerumque geminis pedunculatis obovato - turbinalis veirucosis asperulls, basi in stipiicm constnclis tribracteatis, oie prominule bracteatis — Pelioli antlce sulcati 4—6 lin. longi, folia 2—3 poll longa, 1—2 poll lata. — Habitat in Africa tropicu occidentali (Nigritia ad Aboh)

t Species minus notae* certe ad alia genera pertlnentes, a Fleunm monographo neglectne.

- 10 F OBTUSA Hsskil Catal pi hort Bogor 75,— Folus o\atis obtusis, basi plus minus* cordatis, supra lucidis scabernrais, subtus ramulisque velutims, receptaculis cerasifoinubus pedicellatis geminis depressis umbonatis velutims, caule fruticoso scandente — Colitui in borto Bogonensi
- 11 * GRENULATA Hsskrl 1. c 76 — Folus oblongis s oblongo-lanceolatis ~~acuminatis~~ s ~~ba&i~~ acutis aul obtusiusuillis, crenulaio-serratis, ulnnque glabemmis reuculato-venosis, receptaculis *, caule frulicoso radicante — Goluur in horto Bogonensi
- 12 F ti bGANS Hsskrl 1 c — Folus cordato-ovatis plerumque Integns ranssime 3—5-lobatis, lobis aculis, repando-dentatis, subtus mveo-tomentosis, supra glabnusculis, leceptaculis maximis subsessilibus depresso-globosis geunnatis, caule arborescente rnmis horizontahbus d<*pressil> — In diversis locis diversa vidi specimina omnia folus 'ndivisis praedita, proles aultm juveniles folia nunc 3—5-lobata ostendunt. — Colitur, »n horto Bogonensi
- 13 f FOLCUNDA Blume, Gftal pi hort Buitenz 36 — Foliis oppositis ellipticis cum &cumine subcordatis repando - denticulaus, junionbiis setaceo - denticulalis, utrinque scQbns, racemis longissimis, fructibus petfolisque hispidfs — In Java insula
- 14 F VILLOSA Blume I c 37. — Gaule tadicanle standente, folus ovato-oblongis acun»'nais> margme reflexis, supra rugosis reticulato-venosissimis, ad costam strigosis, subtus, ramulis, petiolis fruclibusque mollissime ferrugmeo-villosis, fructibus in foliorum azillis subsessilibus. — Habitat m insula Java.

15. F. GUIANENSIS Desv. in Hamilt. Prodr. 62 f. — Ramis sulcatis, foliis obovatis obtusis integerrimis, basi rotundatis glabris sub 4-pollicibus, fructibus sessilibus geminis globosis calyculatis — Habitat in Guiana
16. F. ARPAZUSA Casaretto, Decad. novar. shrub. Oiasil I 10 — Glaberrima caule alte superi arborescens scandente ac radice, foliis ovatis vel ovato-ellipticis, apice breviter ac obtusiuscule cuspidato-acuminatis, basi rotundatis subcordatisve, integerrimis comphatis subconatis, supra obsolete bullulatis minutissimeque punctulato-granulatis, leptaeculis axillaribus geminis globosis umbilicatis calculatis pedunculatisque, pedunculis petiolo 3—4-plo brevioribus — Folia 3—5-pollicina, $1\frac{1}{2}$ — $2\frac{1}{2}$ poll. lata, nervis subparallelis supra manifestionibus instructa, subtus tenuissime reticulata venosa, petioli circiter pollicares — *F. radicans* Casaretto, Atti della terza Riunione degli Scienziati Italiani 515 — Crescit in Brasilia in sylvis primaevis circa Rio Janeiro
17. F. LANUGINOSA Casaretto I c V 48 — Ramulis, petiolis, receptaculisque hirtellis, foliis petiolatis obovato-oblongis, apice breviter obtuse acuminatis, inferius angustatis, basi obtusiusculis subtruncatis trinerviisque, integerrimis pellucido-punctatis pubescentibus, receptaculis parvis axillaribus exterioribusque solitariis geminisve globosis calculatis, brevissime pedunculatis, petiolum subaequantibus — Folia 1—1 $\frac{1}{2}$ poll. longa, 8—10 lin. lata sublus densius pubescentia, petioli 2—3 lin. longi. Receptaculorum magnitudine gram. Pipers — Crescit in Brasilia locis montanis prope Rio de Janeiro

1860 DORSTENIA Plum

(Fischer in Wlphr. Annal. I 731 — Cndl. Gen. plant. Suppl. IV II p. 35 [Synopsis spec.])

1. I. (*Kosmos*) CUSPIDATA Hochst. mss. in A. Richard, Tent. flor. Abyss. II 272 — Radice ramosa carnosotuberculata, caule erecto spithameo, apice ramoso angulato puberulo, foliis alternis petiolatis inaequalibus obovatis obtusis, aut ellipticis acutis subpuberulis, margine integris obsolete dentatis, receptaculis axillaribus pedunculatis, in ambitu stellato divisis lacinus 3—6 inaequalibus patentibus lanceolato-linearibus — Habitat in Abyssinia rupibus vallis fluvii Tacazze
2. D. OBOVATA Hochst. mss. in A. Richard I c p. 273 — Caudice brevi crassissimo ramoso, valde inaequali, foliis quasi radicalibus longe petiolatis ovalibus aut saepius obovatis, apice basi obtusissimis, integerrimis glabris, receptaculis e caudice enatis, breviter pedunculatis piuvulis, in ambitu 7—8-fidis, lacinus linearibus — Habitat in rupibus Abyssinae ad latea niontium versus fluvium Tacazze

Ordo CCXXII. ULMACEAE *Mirbei*.

(*Mirbel*, Elem. 905. — *Endl.* Gener. plant, p. 275; Suppl. II. p. 29. — *Meisn.* Gener. plant, vascul. I. 351. II. 262. — *Planchon*, Annales des Sciences naturelles [3. Sdr.] X. 257.)

Flores hermaphroditi vel polygami. Perigonium 3—8-merum. Filamenta aestivatione recta vel leviter incurva. Antherae biloculares, aestivatione non inversae, connectivo non conspicuo. Ovulum pendulum anatropum amphitropum v. amphitropo-subcampylotropum, chalaza numquam hilo subjecta. Albumen nullum vel parvum. — Arbores vel frutices. Folia dislichia (in ramis is germinantibus Ulmi opposita, teste *Adansonia*). Succus aqueus. Fibrae corticis non raro tenaces. Pubescentia saepius aspera, pilis brevibus.

Tribus I. ULMIDEAE *Planchon* 1. c. 258.

(*Ulmaceae Ulmidaceae* Spach. — *Ulmaceae* Endl.)

Antherae extrorsae. Budimentum ovarii in floribus masculis nullum. Semen anatropum vel hemianatropum, exalbuminosum. Folia penninervia.

Sect. I. ULMEAE Spach. — *Planchon* 259.

Flores hermaphroditi vel polygami. Filamenta aestivatione recta. Sahara a latere compressa, cito caduca. Cotyledonum commissuratum, raphi respondente.

1. HOLIOPTEMEA *Planchon*.

(*Ulmi* sp. *Roxb.* — *Planchon*, Annal. des sc. nat. [Ser. 3.] X. p. 259.)

Flores monoico-polygami cymosi. Perianthium ad basin 4—8-partitum, laciniis linearibus deciduis. Stamina numero varia, in perianthio quadripartito interdum suboctona et obscure biseriata, numero laciniarum perianthii aequalia. Filamenta erecta. Antherae parvae puberulae. Samarum Ulmi, interdum bitocularis, loculo altero minore vacuo. Semen ova tum, hemianatropum, in campylotropiam vergens, lateribus compressum. Chalaza in media facie seminis sita. Cotyledones sibi invicem applicatae, inaequaliter bilobae, lobo minori propter raphen postico in majora replicato, plica nervo radio cotyledonum fere respondente. — Arbor Indiae orientalis intra- et subtropicae, puticula. Folia integerrima. Flores minuti, secus ramos denudatos in

cymulas congesti, hermaphroditi masculis pauciores et longius pedicellati.

1. * H INTEGRIFOLIA Planchon 1 c 266 + — *Ulmus integrifolia* Roxb in Willd Spec pi 1 1326

a. Samarae glaberrimae, emarginatae scilicet ad lineam et ultra alia

p. Samarae vix & sed molliter puberulae

Y Samarae glaberrimae, emarginata obsoleta, lobis stigmaucis plane exsertis, sibi facie contiguis Folia hujus ignota An spc distincta? — Crescit in montibus Cnrcs Indiae orientalis, in alpidis Maduensis

11 ULMUS *Toutnef.*

(*Ulmus* et *Mycroptelea* Spach — Planchon, Annul des scienc natur [Ser 3] X p 259)

Flores hermaphroditi Penanthium cyathiforme vel turbinalo-campanulatum, 3—8-divisum marcescens. Samaria pncptera Semen anatrosum Embrioms lech colylcdoncs facie plana sibi accumbentes, apice integio chala/am bpcchnU^ — Arboris loeionum temperatarum hemisphaem boeialis incolao. tolia^duphcalo- \el simpheiler serrata

Subgenus I. OlttOPTELEA Spach. — Planchon 1. c. 260

Penanthium turbinalo-campanulatum, ore obliquo 5—8-lobum, lobis magis minusve aequalibus, anlicis minoribus Samara dense oliata. Pedicelli fasciculato-subcymosi inaequilomn flores plures superantes — Arbores cortice laevi Folia duplirato-serrata Inflorescentiae praecoces pendulae

1 U PI DUNCULATA Foug MSn acad sc Pans 1784 lab 2 — Planchon 1 c 267 f — Fols ovatus vel obovatus acuminatus, arguie duplicato-serratis tenuiter membranaceis subtus molliter pubescentibus, pedicellis inaequalibus, articulo superiore flori subaequali, penanthii obliqui lobis tubo subaequalibus obtusis (inferiore saepe aculo), sibi invicem vix ac ne vix quidem incumbenlibus, slammibus breviter exsertis samarae glabratae margine dense ciliatae disco semimileio emirgmalurae fundo subconliguo — *U ciliata* Fhib — *U campestris* Fl Dan — *U ejjusa* Willd — *U laevi** Pallas — *U alba*? Kit — Crescit in Cnrcp practice orientali

2 U AMERICANA Willd — Planchon 1 c 268 + — Raznorum cortice nmoso, fols majusculis, breviter obovato-oblongis vel lineatis acuminatis, basi leviter inaequalibus, grosse duplicato-serratis, periantho campanulato leviter obliqui lobis saepe 8, omnibus, imo excepto, sese marginibus tegentibus ciliatis, sinuibus omnibus exsertis, samarae parvae ovatae inaequaliaie glabratae, breviter denseque ciliatae sive penanthium paulo superante, disco semimileio emarginatae fundo conliguo

a (*glabra* fols (2—5-pollicanbus) obovato-oblongis, utrinque glaberrimis laevibus — *V Americana* y. *pendula* Spach

, p. *scabra* fols (1—2-pollicanbus) lanceolatae vel ovato-lanceolatae, supra scabriusculis, subtus pubescentibus (Stipulae interdum in ramis stentibus diutius persistentes) — *V Americana* Michx ex p — *V Americana* y *scabra* Spach

? *Uaihamm* fols (4—5-pollicanbus) late obovatis, grosse subinciso-duplicato-serratis, subtus molliter foveo-pubescentibus — An sp propna? — Crescit in America septentrionali a Canada ad fines infimos Georgiae

3. *U. ALATA* Michx. — Michx. fl. N. Am. sylv. III. tali. 127. — Planchon 1. c. 270. f — Altiludine mediocri; ramis passim late suberoso-alatis; foliis porvii lanceolau's flcutis (vix ac ne viz quid em ncuminaiis), basi Icvicr cmarginala aequalibus, argute dnplicalo-serraiis, supra gIRbriusculis, sublus pubescentibus vol glnbresccniibus; periamhil lobis obovato - spaihulalis ecilintis, tubo longioribus; ovario dense sericeo; samarae parvne disco pubescence. — *U. Americana* P- *alata* Spach. — Orescit in Americae septentrionalis rcgionibus ausiralioribus.

Subgenus H. *DRYOPILEA* Spach. — Planchon 1. c. 260.

Perianthium aequaliler subcyathiformi-campanulatum 4—6-fidum. Samara margine nuda. Pedicelli breves, conferte fasciculati. — Arbores ramis saepe suberosis. Folia duplicalo- vel subsimpliciter serrata. Inflorescentiae praccoces.

4. *U. PUMILA* Linn. — Pall. Flor. Rossic. 76. fig. A. ft C. — Planchon I. c. 272. f — Ramulis grncilibus virgntis, epidermido griseo-viicllina; foliis porvis ovato - Innceolatis, basi aequalibus, siibsimpliciter serrnrlis glabriusctflis; floribus parvis, breviiier pedicellaiis; perinntliii nirhiniito-cyathiformis lobis 4—5 oluuis ecilintis; samnrae parvae' obovatae, basi inacqualis, breviiier emarginaiae slipile periamhium paulo superante, disco seminigero emnrginaiurne fundo sirtconiiguo. — *U. humilis* Amman. — Crescit in Sibiriae regionibus transbaicalensilius.

- *. *U. VIRGATA* Wall. Caial. no. 3549. (nee alior.) — Planchon 1. c. — Ramulis folisque junioribus sublus indumento quasi ceruceo cinereis; his (semiexolelis) anguste ovaiis, basi leviiier obliqua parum cordalis, obtuse duplicato-sorrnalis; ramuiis floriferis (denuclatis) hirtcllis; floribus fasciculatis, brevissime pedicellhttis; perianihii glabri lobis cilia-
tia; smarae parvae breviter ellipticae disco seminigero emarginaturae subcontiguo. — Crescii in Nepalia.

6. *U. CAMPESTRIS* Sin. Engl. bot. tab. 1886. — Planchon I. o. 272. + — Foliis brevius Bcuminaiis, duplicento- vel subsimpliciter serratis; floribus parvis breviiier pedicellntis, 4—5-meris; laciniis perianihii ciliais; samaris obovalis vel oblongo - obovatis glabris, npice breviiier bifldis, disco seminigero angulo emarginaturae subconliguo.

tt* *vutgaris*: foliis rhomboideo-obovatis, 1—3 poll, longis, supra scabris, sublus Pubescentibus. — *If. campestris* Sm. — *U. suberosa* Ehrh. — Engl. bot. tab. 2661. — ^u *campestris* a. 8c p. Spach. — *U. pumila* Pall.

β. *major*: praecedenti omni parte major. — *U. major* Sm. 1. c. 2512. — *V. HoU landicq* Mill.

Y* *Iaevis*: foliis magis minusve corinceis, supra glaberrirais vel scabriusculis, ^aaeplus tamen laevis, nitidis, sublus praeter axillas nervorum barbatas glabris, duplicoio- vel subsimpliciter scrraiis, junioribus, sicut slipulae et samara glandulis sub. ^{8li}Pitatis conspersis. — *U. campestris X' UteviM* Spach. — *V. glabra* Mill. — Engl. bot. ^{1o}b. 2248. — *U. glabra* et *U. carpinifolia* Lindl. — *U. pumila* Pail, ex p. — *U. Sarnien-*
« Lodd.?

&* *fastigiata*: orania praecedentis, sed rami arrecto - fastligiatl et folia interdum ^{cu}»P»data. — *U. campestris* 8. *fastigiata* Spach. — *U. stficta* Lindl. - Crescit in ^Europ_a fere tota, et in Mauritania? in regionibus Gaucasicis et in SJbiria.

7. ^ *U. MONTANA* Wither. - Sm. Engl. bot. tab. 1887. - Planchon 1. c. 274. f - Foliis Qupllento serraiis cuspldalis, supra asperis, sublus pubescenlibus; floribus pedunc-
laifs 5—7-meris; Jociniis perianthil ciliais; samarae objongae vel subroiundae glabrae ^BPice breviter bifldo, sinu clauso, disco seminigero a fundo emarginaturao longius
III.

remoto — *U campestris* L Herb (ex p) — *U nuda* Ehrh — *U campestris* L vulgaris Spach — Crescit in Europae et Asiae minores campestribus et sylvaticis

- 8 U FULVA Michx — Pin in lion 1 t 27b f — Foins magnis oblongis, longe acuminatis, basi inaequali cordatis vel emarginatis, grosse duplicato-seriatis, supra piloso-aspernatis, gemmae squamis nitentibus baccatisque (obovatis) denovo rufo-haeratis, flouibus in capitula subglobose dense congestis, samarae oblongae breviter stipitatae ala subaequali gibbae diaco biocivier puberula — *Umbra* Michx fil Svll Amenc HI lab 128 — *Umeucanu* I — Grtnr I met tab 49? — Crescit in Americae borealis legionibus impioribus septentrionalibus
- 9 U VALLIVIANA Planchon f c 277 f — Ramulis annotinis, petiolis, inaequalibus foliisque subtus praesertim secus nervos cinereo-pubescentibus, his obovato-ellipticis, abrupte acuminatis, basi inaequali lunc aculis, illic obtusatis, duplicato-serratis, supra aspersis, pedicellis fixatis in ramos semipollinatos fasciculato-congestis, paulo supra basin auriculatis, nervulo inflexo puberulo, superiore penninerveoque sexfido glaberrimis, simine orbiculato-obovato disco sparsis pilosulis, alba latiuscula glaberrima — *Uvaia* Wall Catal no 3546 (HOC Rth) — Crescit in India orientali superio

Submenus III MICROPTOLEA Spach. — Planchon 1 c 260.

Penanthium profunde 4—5-partitum, laciniis aequibus erectis. Samara margine nuda Pedicelli breves fasciculati. — Arbores humiles vel mediocri altitudine vel excelsae Folia simpliciter vel duplicato-serrata. Inflorescentiae *Dioptelcarum*, sed serotinae, alus ex axillis foliorum anni praefertim, alus ex axillis foliorum delapsorum prodeuntibus

- 10 U EROSA Roth — Planchon I c 279 f — Folus ei obovato-dentatis, supra nitidis, subtus pubescentibus, basi aequalibus, flouibus subjunctis conglomeratis serotinae peritandis — Crescit in peninsula Indiae orientalis
- 11 U GIBBIFOLIA Nutt — Planchon I c f — Folus parvis, oblique oblongis obtusiusculis vel aculis duplicato-serratis, supra aspersis, subtus secus nervos pubescentibus, flouibus serotinis in — quaeinaiim in fasciculos axillares collectis, breviter pedicellatis, samans bicostatis stipitatis, oblique ovato-ellipticis, undique puberulis, margine breviter lanato-cilioso — Crescit in America septentrionali et in Texada
- 12 U PARVIFOLIA Jacq Hort Schoenbr HI tab 261 + — Planchon 1 c 280 — Folus parvis anguste lanceolatis, basi obliquis, apice acutiusculis, simpliciter serratis, adultis conatis glaberrimis, vel nervo medio lantum subtus sparsis puberulis, nitidis laevibus, fasciculis foliorum in axillis foliorum adultorum vel in parte infima ramulorum denudatorum anni praetentii, 4—5-lons, flouibus breviter pedicellatis, samarae partem ovatae glaberrimae omarginata hiant, ab apice disci semper remote — *U Chmensii* Pcm — IT vn gata Roxb — *Planeta fanifolia* Sweet — *U campestris* var 13 *paivifolia* (exel plusque synon) et *U Lhinensis* Loudon — *Microptelea paivifolia* Spach — Crescit in Chinae regionibus temperationibus et in Japonia.
- 13 U LANCIFOLIA Roxb — Wall Plant Asiae rar III. tab 200. — Planchon I c 281. † — Folus oblique lanceolata, obtuse acuminatis, simpliciter et obtuse serratis, nervis lucidis, flouibus longe pedicellatis hexandris; samans longiuscule apiculatis cordatis, (ere pollicanbas — Crescit in Indiae orientalis montibus provtaciae Cebus (agong)

t Species ad §ect. 9. v. 8. pertinet, non satis nota.

14. U. ELLIPTIC A C. Koch, Linnaea XXII. 599. f— nomuli globerrimi, corlice inanitecti; folia oblonga acuminata duplicata* - serrata, basi aequali, supra scabriuscula, subtus (in juventute) sericea, breviter petiolata; flores glomerati, pedunculo longiori insidentibus; perigonium quinquefidum ciliatum; stamina quinque; samara elliptica, nucleo pilosa instructa, eciliata. — Crescit . . . ? (in Asia minore?)

f f loon addenda.

- U. RACEMOSA Thomas. — A. Gray, Manual of the bot. of the N. Am. Unit. States 400. — Torr. Flor. New York II. 166. tab. 96.

III. CHAJETOPTERIA Liebm.

(Liebm. Videnskabelige Meddelelser fra den naturhistoriske Forening i Kjøbenhavn Tor 1850. p. 76.)

Flores hermaphroditae. Perigonium membranaceum plicatum campanulatum 4—6-lobum marcescens. Stamina aestivatione incurva, fundo perigonii inserta 4—6, filamenta filiformia exserta, antherae supra-axillares biloculares, loculis rima longitudinali laterali dehiscenlibus. Germen longe stipitatum obovatum lenticulare marginatum uniloculare; gemmula 1 ex apice cavitatis pedicula anatropa. Stylus 2 accrescentes lineares compressi flexuosi, interne stigmatosi. Utriculus chartaceus lenticularis-compressus longe stipitatus monospermus reticulatus marginatus, stipite compresso, margine utriculique stylis externe barbato-ciliatis. Semen pendulum, integumento membranaceo tenerrimo, raphae laterali ad basin seminis procurrente. Embryo exalbuminosus rectus anatropus, cotyledonibus obovatis piano-convexis laevibus, commissura cotyledonum raphae respondente, radícula brevi supera. »— Arbor excelsa Mexicana. Gemmae perulatae distichae, florales majores aphyllae, laterales coetaneae. Folia alterna disticha annua petiolata penninervia glabra; vernatione conduplicata. Flores fasciculatae*-racemosae secus ramulos laterales annotinos pedicellati, pedicellis medio articulatis.

- * CH. MEXICANA Liebm. l. c. p. 77. no. 1. — Arbor 50—60-pedalis, truncus albertus erectus teres in coriam frondosam terminans. Folia 2^v—3 - pollicaria, 1—1 Va poll. Intio, ovata acuminata, basi obliqua duplicato-serrata, utrinque glabra nitida, petiolus 3^h puberulus, demum glabrescens. Racemus 1-1'A poll. longus. Pedicelli tenues 2^h longi medio articulati pilosi. Perigonium violaceum, lobis obtusis. Stamina perigonio duplo longiora, antheris subglobosis. Utriculus cum stylis 5^h longus, lateribus leviter pilosis reticulatis viridi - fuscis, marginibus longe et dense incano -ciliatis. — Habitat in declivitate orientali G^hidillerarum Mexicanarum.

Tribus II. PLANEREA Spach. — Planchon l. c. 260.

Flores monoico-polygami. Perianthium campanulatum marcescens. Filamenta aestivatione incurva. Utriculus crustaceus obliquus, lateribus fibrosus. Semen imperfecte anatropum, antice concavusculum. Cotyledonum nervus medius raphae respondens, commissurae contra latera

fructus spectantes — Arbores montium Cretae, regionis Caesariacae et Aemaniae septentrionalis calidioris Gemmae squamosae. Folia hieme decidua penninervis magis minusve crenato-serratis, illis *Carpini* similia

IV (1849) FLASHER* *Gmel*

(Planchon Ann sc natur [3 ber.] X 261)

Subgenus I PLANERA *Gmel* Syst 305 — Planchon 1 c

Discus in floribus fertilibus 0 Utrunculus ^tipitatus, superficie tota lamellis irregularibus inordinatim constatus, cito maturescens et caducus Cotyledones apice integrae — Aemania septentrionalis calidioris. Flores praecoces secus ramulos anni praetenti glomerulati, glomerulo demum in lamulum foliatum elongato, masculi in parte inferiore glomeruli conle li, foeminei superni pauci, longius producti

1 PL AQUATICA *Gmel* — Planchon I c p 282 f — (olibus minifloris¹ petiolalis oblongo-ovoidibus sensu angustatis acutis basi obtusis, aequaliter serratis, capsula scabra — *P. Gmelin* MIL hi — *P. ulmifolia* Michx (II Sylv N Am III Mb 130 — Ciescil in \menci s>epicilli ion ill id upas (luotum

Snbphius H. AILICIA Belli in Clus Hist pi II. 302 — Planchon I c 261

(*Planera* seel A *Abelicea* Endl — *Zelkova* bQ&c\)

Disuib in floribus fertilibus cupulaus, peianthu basi adnatus Utrunculus ciuslaccus, reticulato-neivossus sessilis, sero maturescens Cotyledones apice emarginalae. — Arbores Cretae et regionis Caesariacae, vegetabilis *Celtidis* Flores masculi in glomerulos 2—3-nalim congesti, inlinodia ramulorum innovantium inferiora lous orbata occupantes, idhics in axillis fororum lorum solitari et sessiles, masculis semis p\oluli

2 PL ABLICT\ R 8c belli — Planchon 1 t 282 + — Ramulis folisque subtus fruolibusque cimirro - pubescentibus — *Abelicea* Bdh Clus — *Abelicea* di Candia Pona — *Pseudo-bant alum Cielicum* Biuh — ABC de dona Linn — *limbs abelicea* Sm — *Quncuh abehua* Poir — *Zelkova cunata* [i⁹ *Cielica* Spach — *Zelkova Ciehca* Spach — frescit in montibus ehtiobus Cielae

3 PL RICIAHOI Michx — Duml, Bullet do li soc d oguc do 1 Hdiaull 1843 c ic - Planchon 1 c + — Folns secus norvos <al lus tantuin puborulis vil glubrostetibus fruibibus gliiis — *olkova citata* S>uch — Cioscit In regiombus Cuatasico-Caspicis

Ordo CCXXin. BETULACEAE *Barti.*

(Endl. Gener. pi. p. 272. ft Suppl. IV. IF. p. 19. — Meisn. Gener. pi. vascul. I. 351. II. 262.
— Wlprs. Annal. I. 736.)

1840. BETULA *Tournef.*

(Endl. Gen? pi. Suppl. IV. II. p. 19. [Synops. specier.] — Wlprs. Annal. I. 736.)

- B. HUMILIS Fries, Flora oder Allgera. bot. Zeit. XXXIII. p. 152. — (Endl. 1. c. p. 20. no. 16?) — Ramis resinoso-verrucosis; foliis ovatis inaequaliter serratis, subtus venoso-reticulatis pallidis; amentis fructiferis breviter pedunculatis erectis, squamis digitato-irifidis, lobis linearibus subaequalibus, lateralibus patentibus; nucibus ala dimidio angustiori ad apicem cinctis. — *B. humilis* Schrank. — *B. frulicosa* Willd. — Habitat in Finlandia orientali.
- 2. B. FRUTICOSA Fries 1. c. — Ramulis pubescentibus; foliis subrotundi* crenoto-serratis, subtus venoso-reticulatis glanduloso-punctatis albo-glaucis; amentis fructiferis breviter pedunculatis erectis, squamis digitato-trifidis, lobis porrectis, lateralibus dilatatis, lobis linearibus subaequalibus, lateralibus patentibus; nucibus ala obcordata apicem excedente cinctis. — Habitat in Smolandia.
- 3. B. OVATA C. Koch, Linnaea XXII. 333. f — Frutex: ramuli ex apice puberuli, granulis resinosis dense obsiti; folia acuta 8—9 lin. longa, ad basin 7—8 lin. lata, serrata inberrima, subtus punctis resinosis instructa, petiolo plus duplo breviori insidentia; fl. montana nucifera ovalo-oblonga, 6 lin. longa, petiolo triplo minori et erecto instructa; nuce oblongae, ex dorso superne puberulae, ala obovata latior obcordata, in excisura subultrae ciliatula; styli longitudine excisurae. — Habitat T (in Asia minore?)

t Icones addendae*

- B. ALBA p. *populifolia* Spach. — Endl. I. c. 19. no. 2. — Torr. Flor. of New York II. <99. tab. 112.
- * LENTA Linn. — Endl. I. c. 20. no. 11. — Torr. I. o. 200. tab. 113.
- ANA Linn. — Endl. I. c. no. 18. — Torr. I. o. 201. tab. 114.

1841. ALDIFUS *Tournef.*

(Endl. Gen. pi. Suppl. IV. II. p. 20. [Synops. specier.] — Wlprs. Annal. I. 737.)

- 1. A. NITENS C. Koch, Linnaea XXII. 834. f — Cortex flavido-griseus: folia rotundata cr. enato-serrulata, utrinque viridula nitentia glaberrima, subtus in axilla nervorum bar-

baiula, petiolo dimidio breviori glaberrima instructa, gemmae oblongo-elongatae, nubes albi membranaceae distinctae — Crescit in monte Mille lacuum in Asia minore

t *Leonen addendae.*

A SERRULATA Vahl - Endl I t 21 no 13 - Tott Floi of New York II 202 tab 115

A VIRIDIS DC - LndJ I c 20 no 1 - Ton I c 203 tab. 116

Ordo GCXXIV. MYRICACEAE.

(MYRICACEAE L C Rich — Endl Gen pi p 271 — Meisn Gen pi vascul I 351 H. 262 - YWprs \nnnl I 738)

1839 ITCYRICA Linn

(Linn Gen pi no 1107 - Endl Gen pi Suppl IV II p 19 - Wlps Annal I 738)

1 M SALICIFOLIA Hothst mss in A Richard, tent flor Abyssin II 277 — Arborea excelsa foliis alternis petiolatis, figura maxime ovatis, saepius elliptico-oblongis acutis, saepius margine acute serratis, obsolete dentatis aut integris, utrumque glabris. subtus punctulatis, lacinis masculinis axillaribus brevibus simplicibus, drupis obovatis tuberculatis, granum pipens nequintibus — Habitat in Abyssinico regno Choa

Ordo CCXXV. PODOSTEMACEAE *Tulasne. v*

(Tulasne, Annal des scienc natur [3 Ser] XI 88 — PODOSTEMACEAE L C Rich — Endl. Gener plant p 268, Suppl I p 1375 — Meisn Gener pi vascul I 122 H. 88)

Flores unisexuales v. androgynae nudi v. monochlamydeae, saepissime perianthio involucriati, inflorescentia vana. Involucrum spatheiforme* initio obovatum \ oblongum integrum clausum, postea magis minusve elongatum, in ore 2-lobatum, marcescens Perigonium cum adest calycinum multipartitum s. pentaphyllum membranaceum aversum v. venosum marcescens Androceum hypogynum 1-2- v. rarius 3-seriatum perverticillatum s. unilateral, sene extenore vulgo castrata Stamina distincta nuda v. indefinita, inter se libera v. monadelphica, semper (virginia)*

*) Ordo rectius supra (p. 336) post NEPENTHACEAS collocandus.

etiam) erecta, filamentis linearibus planis v. quidem membranaceis marcescentibus, antheris ovatis, oblongis linearibusve bilobis, Jongitrorsum dehiscenlibus, inioris exlorisve, basi dorsali affixis continuis v. subarticularis, polline pulvereo globoso trigono didjmove. Staminodia dentiformia s. filiformia, staminibus alterna breviora, cum ipsis inserta, saepius exteriora, numero aequalia plurave mai'escencia, interdum nulla. Ovarium liberum sessile v. gynopodio brevi suffultum, mesopus aut plus minus pleuricum, laeve s. costulatum 1—2—3-loculare, indefinite ovujatum, placeutis crassissimis axilibus v. tenuioribus et parietalibus, aut unica centrali (spurie?). Ovula ovata anatropa peritropa, funiculo vix ullo Stigmata apicalia 2—3 sessilia v. stylo brevi imposita linearia, oblongo-acuta membranaceo-dilatata carnosulave integra erosa pluridentata partitave, erecta s. demissa, rarissime in unum capitatum connata. Capsula 1—2—3-locularis septicide simul et septifrage dehiscens (!) 2—3-valvis pleiosperma, valvis aequalibus unaque persistentibus v. inaequalibus, minore citius labente. Semina minutissima glabra ovata compressa, testa rugulosa, bibula nucigena pellucens absque colore, tegmine membranaceo lenaciori fucalo. Embryo exalbuminosus dicotyleus rectus homotropus semini conformis pallidus, oleo foetus, cotyledonibus aequalibus in caudiculum brevissimum obtusissimumque conniventibus. — Herbae aquaticae: caule admodum vario, saepe frondiformi apyllo-ue; foliis caeterum simplicibus diversiformibus, raro integris, submersis; floribus saepius emersis.

Tribus 1. DIOICAE seu HYDROSTACHYAE Tulasne, Ann. sc. natur. (3. Sfc) XL %l.

Flores dioici nudi; ovarium dicarpium uniloculare, carpidiis bractearum Hernis, placentis parietalibus linearibus adversis, posico alio, alio antico.

I. (1836.) HYDROSTACHYS Pet. Th.

(Character tribus. — Flores spicarii. — Herbae ocaules, omnes Madagascarienses.)

¹ ". VERRUCULOSA Juss. — Tulasne, Ann. des sc. natur. (Ser. 3.) XI. 91. f — Foliis vulgo indivisis caudiformibus, appendicibus folioliformibus obovatis vel obovato-apiculatis, obtusis acuminatisve, initio imbricatis, lateralibus paulo majoribus; bractea floris foeminei appendicibus late obovatis brevissimis imbricatis dorso onusta, axilla abunde piligera. — Crescit in insula Madagascar.

² H. IMBRICATA Juss. — Tulasne l.e. 91.f — Foliis pinnatisectis, pinnis linearibus, appendicibus folioliformibus undique obsitis, bractea inferne nuda pelioliformi; spicis crassissimis; bracteis admodum nudis exappendiculatis, axilla nuda epilosa.

*• *cystiphora*: appendicibus vesicaeformibus; spica validiore crassiore.

§• *Thouarsiana*: pinnis vulgo longioribus, appendicibus anguste linearibus baud inflatis. — Crescit in insula Madagascar.

³ H. DISTICHOPHYLLA Juss. — Tulasne I. c. 91. + — Foliis simpliciter pinnatisectis vel bipinnatisectis, bractea primaria ultra basin lacerata secundariisque, foliolis seu limbis bifidis inferioribus brevissimis crebre ciliatis, e superioribus e ciliatis aliis distichis majoribus orato-oblongis linearibusve aruotis; spicae foemineae bracteis verruculosis 5—7-natis, axilla modice piligera. — Crescit in insula Madagascar.

4. *H. MULTIFIDA* Juss. — Tulasne I. c. 92. f — Foliis iripinnatioeclis in lacinias capillarea decompositis, rhachidibus terebintinis minutissime papilligeris, pinnulis linearibus brevibus acutis; bracteis minute papilloso-verrucosis, axilla piligera. — Crescit in insula Madagascar.
5. *H. GOUDOTIANA* Tulasne I. c. 92. f — Foliis rosulatis longis tripinnatisectis, rhachidibus appendicibus confertissimis, aliis verruciformibus, aliis folioliformibus late expansis; pinnulis segmentis linearibus latiusculis undique et conferlim onusculis obtectis. — Crescit in insula Madagascar.
6. *H. PLUMOSA* Juss. mss. ei Tulasne I. c. 92. f — Foliis bipinnatisectis, pinnis exilibus, rhachidibus pinnarumque appendicibus linearibus brevibus acutis imbricatis patentibusve; scapo deorsum squamigero, squamis longiusculis senarios brunneis; bracteis admodum nudis glabrisque, dorso inferioro trinerviis, axilla pilifera. — Crescit in insula Madagascar.

Tribus II. ANDROGYNAE sive EUPODOSTEMEAE Tulasne
1. c. pag. 92.

Flores androgyni achlamydei et primitus involucrali vel monochlamydei involucroque destituti; ovarium 2—3-carpium, 2—3-loculare, placentis axilibus, vel uniloculare, placenta spurie centrali.

Subtribus I. *ACHLAMYDEAE (Lacideae)* Tulasne I. c.

Genitalia nuda, primum involucrata, postea quamplurimum exserta; androceum bi—triseriatum, absolute verticillatum aut unilaterale; fructus uni—bilocularis bivalvis, alvis aequalibus inaequalibusve.

Sect. I. JSOLOBAE (Eulacideae) Tulasne 1. c.

Capsulae valvae aequales aut aequo modo suffulcro haerentes, unaque post dehiscentiam persistentes.

§. 1. *Pleiostemones*. — Androecii verticilli perfecti.

A. *Neurocarpae*. — Capsula costulata.

a. *Ioneurae*. — Fructus nervi aequales vel subaequales.

11. (1833.) **MOURERA** Aubl.

(Tulasne, Ann. sc. natur. [3. Ser.] XI. 93.)

Staminodia 10—15 vel interdum pauciora aut etiam subnulla. Stamina 10*—40, uni — biseriata libera, antheris introrsis extrorsive. *~ Flores racemosi.

1. *M. FLDVIATILIS* Aubl. — Tulasne I. c. f — Foliis amplissimis irregulariter ovato-acutis in margine crispo plurifariam eroso-multilobis, superne papilligeris aculeiferis; pinnulis brevibus; racemis simplicibus; staminibus 20—40 biseriatis, interioribus uniseriatis. — Crescit in Guiana.
2. *M. ASPERA* Tulasne I. c. 93. — Foliis laciniato-sinuatis undulatis, superne subtus laevibus; floribus racemoso-fascicularis; racemis in corymbos quasi diglossis; staminibus 5—10 uniseriatis introrsis. — *Lads aspera* Bonard. — Crescit in B.M.W. i

3. M. WEDDELIANA Tulasne I. c. 93. — Foliis dichotome et creberrime multisectis, segmentis divaricatis, supremis angustissimis; racemi simplicis rhachi lata anclpité sanguinea (viva); floribus longe pedicellatis; slaminibus 10—12 uniserialis introrsis.— Crescit in Brasilia tropica centrali.

ill. (1834.) **E. ACIS** Lindl -

(Tulasne, Ann. sc. naiur. [3. Sdr.] XI. 94.)

Staminodia 6—10 libera' brevissima. Stamina totidem longe monadelpha, filamentis sursum liberis. — Flores racemosi.

1. *L MONADELPHA Bongrd. — Tulasne I. c. — Crescit in Brasilia.

t **Species exclugae.**

- "• ASPERA Bongrd. = MOURERA ASPERA Tulasne.
L- FUCOIDES Mart. & Zucr. = APINAGIA FUCOIDES Tulasne.
L. MEMDRANACEA Bongrd. = APINAGIA MEMBRANACEA Tulasne.
Y PYGMAEA Bongrd. = APINAGIA PYGMAEA Tulasne.
L. RIEDELII BngñJ. = APINAGIA RIEDEMI Tulasne.

IV. (1836b.) **BARATHRUM** Humb. *if Bonpl.*

(Tulasne, Ann. des scienc. natur. [Sdr. 3.] XI. pag. 94.)

Pedunculus apice staminifero magis minusve ampliatus calyculiformis⁸.
Staminodia 5—10 brevissima late triangularia vel Jinearria acuta.
lamina totidem libera. — Flores radicales, terminates, axillares vel Parsi.

* *Lacidium* Tulasne I. c. — Species brevissimo caulescens.

- ^{la} M. PAUCIFLORUM Tulasne I. c. 94. — Caule brevissimo siraplici; foliis dichotome ^issectis, segmentis anguste linearibus; floribus paucis solitariis axillaribus terminalibusque, longe pedicellatis; capsula octonervi; stigmatibus basi coalilis. — Crescit in Guiana.

•• *Eumaralhrum* Tulasne I. c. 94. — Species rhizomatosae, floribus radicalibus.

a. **Foliis capillaceis.**

- ² M. POENICULACEUM Humb. tt Bonpl. - Tulasne I. c. 94. - Rhizomate irregulariter d«aciformi membranifero; foliis longissimis decomposito-pinnatisectis, divisuris omnibus» capillaceis; floribus laxis; pedunculi apice maxime dilatato. — Crescit in Nova Sonata et Nova Hispania.
- ³ M. OXYCARPUM Tulasne I. c. 94. — Rhizomate crasso irregulari; foliis praelongis Pinnatisectis, divisuris decomposito-capillaceis; floribus longe pedunculatis, pedunculo apice anguste breviterque tubuloso-excavato; stigmatibus basi, longiuscule coalitis. — Crescit in America tropica.
- ⁴ M. SCHIEDEANUM Cham. — Tulasne I. c. 95. — Rhizomate crasso subcylindrico elongato ramoso; foliis 3—4-pinaatisectis, divisuris extremis angustissime linearibus brevibus; Qoribus paucis. — Crescit in Nova Hispania et N. Granata.

(3. *Folm late metnbranaceis.*

5. *M. UTILE* Tulasne 1. c. — Foliis magnis oblongis grosse dentato-lobatis, in p'etiolum angustum longe attenuatis; Qoribus laxè congestis; pedunculi apice dilatato - poculiformi. — Crescit in Nova Granata.

b. *Anuoneuræ* Tulasne I. c. 95. — Fructus nervi inaequales.V. RHYLIRCHOIJACIS *Tulasne.*

(Tulasne, Ann. sc. natur. [3. Se>.] XI. 95.)

Staminodia exigua 7—10 vel plura. Stamina totidem interiora libera. Capsula ellipsoideo-compressa seu anceps birostris, rostris validis divaricato-recurvis, alere utroque praeterea Irinervia. — Flores radicales lasciculati.

1. RH. HYDROCICUORIUM Tulasne 1. c. 95. — Rhizomate crasso ligneo obliquo brevissimo; foliis simplicibus multilobis, lobis decoraposo-multisectis, segmentis extremis linearibus; floribus longissime pedicellatis dense congregatis. — Crescit in Guiana Anglica.
2. RH. MACROCARPA Tulasne 1. c. — Caule brevi ligneo crasso simplici vel bifurco, laevi striato; pedicellis longis crebris; capsula majore. — Crescit in Guiana Anglica.

D. *Aneuræ* sive *Leiocarpa* Tulasne I. c. 96. — Fructus laevis enervius.VI. OEHFITOBNE *Tulasne.*

(Tulasne, Ann. sc. nat. [3. Sm] XI. 96.)

Staminodia 10—15 oblongo-acuta. Stamina totidem, libera uniseriata. Capsula ellipsoideo-globosa admodum laevis ecostata. — Herba: foliis radicalibus pinnatipartitis longissimis validisque; floribus subcorymbosis.

1. * OE. LONGIFOLIA Tulasne 1. c. — Crescit in Guiana Anglica.

§. 2. *Oligostemonas* Tulasne I. c. 96. — Androcei verticilli incomplete magis minusve unilaterales.A. *Leiocarpa* Tulasne I. c. — Capsula laevis ecostulata.VII. £IGKA. *Poiteau mss.*

(Poiteau mss. ex Tulasne, Ann. des sc. nat. [Stir. III.] XI. p. 96.)

Staminodia 3—7 setacea. Stamina 2—6 interiora, libera. Capsula laevis, nervis inconspicuis. — Flores axillares et terminales, cymosi.

1. L. RICH AUDI AN A Tulasne 1. c. 96. — Caulibus dichotome et orebre raris; ramis quasi corymbosis; foliis inferius endiviaformibus vix incisis superioribus multilobis, divisuris admarginatis; floribus longe pedicellatis, saepius pentandris*.

a. *major* caulibus longissimis flexuosis

P *coymbosa* caulibus brevioribus maxima divaricatione flexuosis bipinnatis recurvatis, pedicellis brevioribus, capsula nuda

y. *culta* caulibus gracilibus, folis dichotome laciniatis, omnibus angustissimis, pedicellis brevioribus, capsulae exigui — Crescit in Guiana

2 L SLCUNDIFLORA Tulasne I c 97 — Caulis dichotome nudo, ramis ultimis gracilibus interioribus cuneatis, folis caulibus crassis plures dichotome seclis, laevibus angustis, floribus secundis breviter pedicellatis dimidiatis filiformibus longissimis — Crescit in Guiana latava

B *Neurocarpae* Planchon I c. 97 — Capulae nervi magis minusve prominentes

VIII APIHTAOIA Tulasne.

(Tulasne, Ann sc nat [3 Sdr] XI 97)

Stammodia 3—6 lineana setacea Stamina 2—6 interiora hbera stigmata subulata brevia integra Capsula nervosa, nervis magis minusve prominentibus — Flores alares et terminales, cymosi vel subcorymbosi.

§. 1. *Euapmagia*. Caulescentes.

Nervis fructus ferme terminalibus — Ligae proximiores (!)

¹ A PSYLOPIORA Tul ft Weddel 1 c 97 — Caulibus longis exilibus maxime flexuosis dichotome ramosis, ramis divaricatis corymbosis, pedicellis exilibus, capsula ellipsoidea obtusissima obscura, nervis octo vix prominulis — Crescit in Brasilia centrali

² A DIVARICATA Tul ft Weddel 1 c — Caule brevi vel medium furcato, ramis utriusque patentiissimo dichotome ramulifero, lamulis subsecundis arcuatis, cuneatis alatis, folis multilobis, capsula obovata obtusissima brunnea nitente crebre lineata, Nervis seu nervis imbricatis albentibus inaequilongis — Crescit in Brasilia tropica

* * Nervis fructus prominentibus

a Caulibus foliosis alatis

³ A RUPPTOIDES Tulasne* c 98 — Gaule dichotome lamoso, folis dichotome multilobis, lacinis linearibus, pedicellis terminalibus longissimis corymboso-fasciculatis, fructu octonervio — *Podostemum ruppoides* H B Kth — Crescit in Nova Granata

⁴ A GARDNERIANA Tulasne I c — Caule valido longo hemisphaerico ramoso, ramis divaricatis subcorymbosis, pedicellis gracilibus erectis, capsula subobovata-oblonga acutiuscula, deorsum attenuata-continua, 8-nervia, nervis parum prominentibus — Crescit in Brasilia boreali

⁵ A FUCOIDES Tulasne 1 c — Caule ramoso erecto vel fruticose folioso, folis frondiformibus platis, apice laciniatis, lacinis capillaribus, floribus solitariis axillaribus, staminibus 2—6, stigmatibus bifidis, capsula ovato-globosa octosulcata — *Laas fucoides* Mart ft Zucc — Crescit in Brasilia boreali

P *Caule subnphyllo el quasi evalato*

- 6 A RIEDLIII Tulasne J c — fnule ngide cicclo maxime fltxuoso subnudo tamobo, rmmis divaicato-ricumtis, folns multistelis capillaceis, flonbus crebns nloubus secundis leimimlibusque, stamimbus 2—3, capsulae badiae ntrvis oclo prominendus — */ acts Bwdchi* Dongari — frescit in Brasilia tropica

§ 2 *Chamaelacis Acaules*

- 7 A PUSH I A Tulasne 1 c 99 — (aule brevissimo simpliu, foil is dichoirooe disseciis segmentis omnibus angustissime lincanluis plams nudis floi ibus paucis pedicellidis 1—2 andus, miolucro longc angusicque lubuloso, brevisMme deulaio Kiceio — Cretul in Guiana

§ 3 *Hymenolacis Frondiformes*

- 8 A PYGMALA Tulasne I c 99 — Gaule dicbotomo ramoso folns caulims frondiformibus hcmniis, flonbus solliarns axillanbus terminilibusve, siamimbus 2—3 — *I acts pygmaca* Dongid — (rrcsit in Diasilia
- 9 A MI MBRANM EA Tulasne 1 c — Fiondiformis quoquovcisus eztensa a pin lla flonbus saepius iggiegalis, 3—4 andns — *Lacxs membranacea* Dongrd — Crescit m **Brasilia**

IX IIOPHOGYHTES *Tulasne*

(Tulasne, Ann des sc nat [3 Sir] XI 99)

Staminodia 3—5 lmean-subulata Stamina 2—4 vix mtenora libera, polhne oxoideo-tngono Stigmata late membranacea tiansversim oblonga seu semiciculana, in margme gros«?e dentata. Cdpsula 8-nenis — Herbae frondosae flonbus frondis diversiformis nenos terminautibus pedicellalis longequc exscrtis

- 1 L IELICANDRA Tulasne 1 c 99 — Fionde mdiocn llabelliformi, utrinque laevi, vane lobUd, lobis subicqualibus incisic obtusis, flonbus e fiondis basi quasi nans, siamimbus 3—4, anthens cffoctis spinlner coniorus — Crescit in Brasilia
- 2 L AHCULIFLRA Tul a Wed del 1 c 100 — Fronde foliacea virenle, superne minuio popilloso - ispeiula \aue expmsa incisnque divisuns iliquando subdisiincus folnformibus iniegui vel apice mulufldis, aut eiam flagelliformibus, flonbus paucis, stamimbus duobus anlhens non contoriis — frescit in Brasilia tropica

X DICKIE* *Pet Tfi*

(Tulasne, Ann des sc nat [3 Ser] XI 100)

Staminodia duo aequalia longe lincana, tertio saepius abortiente. Stamina duo monadelpha, anthens o\atis, polline didymo Stigma^{ta} subulata bievia Integra Capsula plunnerus — Hores radicales, solitane termmales vel racemosi

- §. 1. *Eudicraea* Tulasne I c 100 — Rhizomatosae seu dissimihcaule*

- 1 D MINUTIFLORA Tulasne 1 c 100 — Coulibus longissime flagelliformibus, **sursum** foliosis seu foliiformibus, folns lineaiibus loogis dichotome multisectis, ramis **superio**

ribus stenibus cauli poribus, inferioribus brevioribus compressis vane flexuosis rhizomatoideis, distiche gemmulifans, gemmulis exiguis nmdoris, flonbus minutissimis — Crescit in Madagascar^

- 2 D IMURICATA Tulasne I c — Rhizomale lineau compresso, caulibus suboppositis simplicibus vel pauciramosis brevibus ancipitibus foliorumque basibus crassis dense imbricatis persistentibus bifanam oblectis, foliorura limbo linean sou filiformi, simplici vel bifido brevi deciduo, flonbus terminalibus, breviter pedicellatis capsula ellipsoideo-globosa — Crescit in Madagascana

§. 2 *Blandowia* Tulasne 1. c. 101. — Frondiformes

- 3 D WALLICHI Tulasne 1 c 101 — Fronde vircente mediocri lobato-cnspa venosa, in arbitu libera et fructifera, capsula obtusa ociocosiata, valvis apico modice incurvatis — *Podostemon Wallwhn* R Brown in Hoi a (B L) XXXIII 40 — Crescit in India occidentali
- * D WILLDENOWII Tulasne 1 c — Fronde membramformi lobata collemacie, lobis ascendentibus obiusis, capsula crebre sinata acuto — *Blandowia strata* Willd — Crescit in Peruvia et Chile

§ 3 *Macrolaxis* Tulasne 1 c. 101. — Caulescentes.

- 5 D DICHOTOMA Tulasne I c — Caulibus nudis longis compressis tenuibus flexilibus, parce et dichotome ramosis, ramis simplicibus longis subparallelis flexuosis apicem versus parce flougens folns flonibus subulatis paucis brevibus pro parte coalitis, capsula 8-nervn, nevis parum prominentibus — *Podostemon dichotomus* Gardn in Floia (B 7) XXXIII 40 — Crescit in India Cisgangetica
- 6 D WIGHTII Tulasne 1 c -* Caulibus corapressis ancipitibus, allernis victibus angulatis ot gemmiferis, foln* angule lineabus simplicibus, basi va^inantibus, capsula octostnata — *Podostemon Wightii* Gardn in Flora (B Z) XXXIII 40 — Crescit ID India Cisgangetica
- 7 D RIGIDA Tulasne I c — Ramis longis rigidulis dichotomis parallelis aphyllis (flondis) compressis, flonbus secundis bis involucratiss — *Podostemon rigidus* Gardn 1 c 41 — Crescit in Hindostama
- 8 D CLONGATA Tulasne 1 c 102 — Caulibus sublignosis teretibus simplicibus longis-^{is} geminis foliosis distiche alteris, inferius flonfens, superiorum stenilium folns longioribus linearibus, integris evaginatiss, inferiorum ad vaginam reductiss, capsula 8—10-sinatis, nervis subtilibus — *Podostemon elongatus* Gardn I c 41. — Crescit in Zeylania

S. 4. *Ceratolaxis* Tulasne 1 c. 102 — Fructus quasi bicornis

- 9 D KRYTHROLICHEN Tul a Weddell 1 c 102. — Rhizomate rubente linean ramoso crassiusculo lithenoideo, gemmulis unilons, altere distichis distantibus paucifolus, folus vagmantibus brevibus palmatim plui imparlilis, lobis lineabus maequolongis, flon^mto longissirao, capsula bicorn — Crescit in Brasilia tropica centrali

Sect II *AMSOLLOBAE* (*Podostemoneae*) Tulasne 1. c. 102

Fructus vahae mag is romusve maequales aut saltern inaequo modo Pedicello conlinuae, altera caduca cito labente, altera persistente.

BILOCULARES — Capsula biloculans, placulis axilibus.

+ *Diantrae*

1. **FODOSTEHON** Michx.

(Tulasne, Ann ties &c nat [3 Ser] XI 102)

Involucrum elongatum tubulosum, apice lacero pervium. Staminodia terna lineana, medium filamentum antherifero adnatum, aliquando deficiens. Stamina duo monodelpha, polline didymo. Stigmata linear-acuta abbreviata. Capsula octonevis*. — Herbae caulescentes: folia distichis linearibus integris vel vane pectatis, floribus terminalibus vel quasi axillaribus.

1. **P. XRATOPHYLLUM** Michx. — Tulasne 1 c 103 — *Toir Flor of New York* II 171. f. tab 98 — Caulibus gracilibus subcrenulatis, foliis sessilibus integris vel dichotome multisectis, basi dilatatis vaginatis*, capsula ellipsoidea ulimque subattenuata, nervis. — *Classic* — fides in America boreali
2. **P. CHAMISSONIS** Tulasne 1 c 103 — Caulibus aliis compressis rhizomorphis repentibus «oliosi» dicicis, aliis erectis natis foliiferis, foliis stipulatis ramiformibus, rhizomorpho simplici imbricato, supra basin articulata, divisum folioliformibus subverticillatis lanceolatis acutis integris vel bi- — Lenticulis, capsula brevissime pedicellata ellipsoidea-globosa, utinque obtusissima. — *Laus disticha* Cham. — Crescit in Diasia
3. **P. SUBULATUS** Gardner in *Floia* (B L) XXXIII 40. — Tulasne 1. c 103. — Caulis crasso rufo hirsutus simpliciter vel plures dichotomo, ramis pectatis confertis patentissimis brevibus, densissimo foliiferis, foliorum limbo linear-subulato longo simplici, vagina dilatata implexicauli, androceo versus pedicelli medio inserto — Crescit in Zeylone

t **species exclusae.**

- P. DICHOTOMUS Gardner = DICRAEA DICHOTOMA Tulasne
 P. DRUGCANUS Poir. = TRISTICHA DREGEANA Tulasne.
 P. FICIFORMIS Giff. = MNIOPSIS HOOKERIANA Tulasne
 P. ELOINGATUS Gaidner. = DICRAEA LONGATA Tulasne
 P. GRIFFITHII Gardner = HYDROBRYUM GRIFFITHII Tulasne
 P. GRISLUS Gaidner. = HYDROBRYUM GRISEUM Tulasne
 P. OLIVACCUS Gardner = HYDROBRYUM OLIVACCUM Tulasne
 P. RIGIDUS Gardner = DICRAEA RIGIDA Tulasne
 P. RUPPIOIDES H. B. K. = APINAGIA RUPPIOIDES Tulasne
 P. WALLICHII R. Br. = DICRAEA WALLICHII Tulasne
 P. WIGHTII Gardner = DICRAEA WIGHTII Tulasne

ML. HYDROBRYUM Endl.

(Tulasne, Ann des sc nat. [3 Ser] XI 103)

Involucrum exiguum ellipsoideum utriculiforme, e\ uno tandem latere longitersum fissum mdeque cymbaeforme et bivalve. Staminodia

duo linearia longa. Stamina totidem monadelphica, polline didymo. Stigmata duo nunc dentiformia minima integraque, nunc dilatato-membranacea cuneiformia dentata. Capsula 8—12-cosulata. — Herbae frondosae: gemmis flonferis sparsis paucifoliis.

Sect. I. *ZEYLANWWM*: Stigmata denliformia inlegra.

1. II. *OLIVACEUM* Tulasne I. c. 104. — Rhizomate mombro-Tnaceo licheniformi repario-foveolato olivaceo-virente; gemmis foliaceis sparsis unifloris; foliis cymbaeformibus exiguis. capsula octonervia. — *Podostemon olivaceus* Gardn. in Flora (B. Z.) XXXIII. 40. — (Gresell in Zeylania.
2. II. *GRISEUM* Tulasne I. c. — Rhizomate inaequali repando griseo; gemmis foliaceis creberrimis; capsula octonervia. — *Podostemon griseus* Gardn. J. c. 40. — Crescit in peninsula Indiae Cisgangeticae.

Sect. II. *EUHYDROBRWM*. — Stigmata membranaceo-dilatata dentata.

3. H. *GRIFFITHII* Tulasne I. c. — Rhizomate orbiculari lobato coriaceo-lucido virente: gemmis foliaceis crebris inordinate sparsis; foliis cujuslibet subsenis squamiformibus; stigmalibus duobus dilatatis cuneiformibus denlatis inaequilatis; capsula 12-cosiata. — *Podostemon Griffithii* Wall. mss. ex Gardn. I. c. 40. — Crescit in India orientali.

XIII. (1831.) *MXIOPSIS* Mart.

(Tulasne, Ann. des sc. natur. [3. Stir.] XI. 104.)

Involucrum uteriforme obovatum tubulosumve, ore plurifido seu dilatato apertum. Staminodia 2—3 linearia, medium filamento antherifero jdnatum vel deficiens. Stamina duo monadelphica, polline didymo. Stigmata nunc incrassata pluriloba, nunc breviter elongata integra. Capsula sphaerica prorsus laevis. — Herbae caulescentes frondosae: floribus terminalibus aliquando subracemosis. *

Sect. I. *EUMNIOPSIS*: Caulescentes, stigmatibus piuripartitis,

- ^ MN. *SCATRIGINUM* Mart. — Tulasne I. c. 105 — Gaetpitoso: ramis dichotomis ore* berrime foliosis; foliis erecto-imbricatis duris minimis, aliis semlorbioloribus, aliis multo minoribus ovatis stipulaeformibus; floribus solitarie terminalibus. — Crescit in Brasilia central.
- * MN. *WEDDELLIANA* Tulasne I. c. 105. — Gaulibus caespitosis brevibus subsimpli-
cibus squamiferis; foliis radicalibus seu terminalibus amploxicaulibus multipartilibus; floribus saepius laxe et distiche paniculatis. — Crescit in Brasilia orientali.

Sect. H. *GRIFFITHELLA*: Frondosae, stigmatibus linearibus integris.

3. MN. *HOOKERTIANA* Tulasne I. c. 105. — Rhizomate frondiformi crasso varie repando oculo nudo, in margine gemmifero, gemmis unioris; foliis brevibus autetiam squamaeformibus ovato-oblongis integris distiche equitantiibus paucis; stigmatibus anguloso-oblongatis integris distichis. — *Podostemon ecostattu* Griffith. — Crescit in India orientali.

f + *Monandtae*.

XIV. **OSERYA** *Tul. sf Wedd.*

(Tulasne, Ann des sc. natur [S&r. 3] XI 105)

Involucrum obo\ato-oblongum, apice vane disruptum. Staminodia duo lmeana. Stamen 1 us intermedium liberum, antheia exlrorsa, polline ellipsoideo-tnquetio. Stigmata duo brevissima subtriangulana seu dentifoimia Integra. Capsula nenosa — Herbulae: rhizomate exili fihformi, folns distiche alterms angustissime lineanbus integns vel dichotome raultisectis.

- 1 0 **FLABELLIFERA** Tulasne ft Weddel I c 106 — Minima rluzomaie fliformi subsimplici, apice folufero, ranus furcato, folus anguste lineanbus brevibus integns paiuhs, supremis basi dilataiis et in vagmulam hinc simul connatis, flore terminali bieivissimo pedicellato — Crescit in Brasilia tiopica centrali
- 2 0 **BICEPS** Tul ft Weddel I c 106 — Rhizomate piano linear) brevi inferne in margine quasi crenulato, sursum dilatalo el semel dichoiomo, divisuns late divergentibus brevibus di^tiche foliifcns, folus lineanbus integns, extremis basi vaginatun couniventibus, flonbus solitane termmahbus longe pedictllalis, capsula obtusa utnnque 7-cos-tata — Crescit in Diasilia liopica centrali
- 3 0 **SPHAEROCARPA** Tulasne 1 c 106 — Exigua fionde tenui taeniolaeforny brevissima virente, piocessus foluiformes basi vaginantes breves integosque e latenbus agente, pedicclo longiusculo, siaminodiis brevissimis angustis ngidis divei gentibus, capsula globosa ulnnque oblusissima 12 - striata — Crescit in Guiana
- 4 0 **COULTERIANA** Tulasne 1 c 106 — Major rhizoraate flagelliformi subcylindnco exili, caulibus crebns simplicibus <æd semel aut iteralim dichotomis, longiusculis erectis, distiche folugeus, folus decomposito - capiilaceis flonbus saepius termmahbus — Crescit in Nova Hispama

XV. **JDE:TI&.L.C:A** *Tul. # Wedd.*

(Tulasne & Weddel, Ann des sc nalur [Se*1 3] XI 107)

Involucrum longe tubulosum, apice demum breviter 4—5-fidum. Staminodia tna hneana brevia subaequalia. Stamen unicum staminodio medio oppositum ipsique pro parte adnatum; anthera ovata jntrorsa, pol-line globosb Gapsula globosa Jaemis, penitus ecostata. — Heibula rhizomate flagelliformi; caul]bus brevissimis remotis uniflons, folus alterne distichis lineanbus dichotome multipartitis equitanlibus stipulatis, stipuhs axillanbus ligulaeformibus integns.

1. *D **FLAGELLIFORMIS** Tulasne ft Weddel I c p. 107 — Crescit in Brasilia tropica media

UNILOCULARES. — Capsula unilocularis, placenla spune centrali.

XVI **SPHAEROTHYiiaX** *Btschoff.*

- 1 (Tulasne, Ann des sc natur [Se'r 3] XF 107 — Bischoff, Florã [B Z] XIVH 426 tab 1.)

fnvolucrum subglobosum vel breviter mfundibuliforme, Irregulariter tandem disrupto-lacerum Pedicellus floralis rectus vel nulans, Stami-

nodia duo linearia aequalia. Stamina duo iis intermedia monadelphia, antheris introrsis inaequilobis. Capsula costulata. — Herbula fronde seu rhizomate tenui anguste taeniolaeformi pinnatim vel bipinnatim ramoso, in axillis gemmifero, cujuslibet gemmae uniflorae foliis paucissimis squamaeformibus vix conspicuis.

1. *S. ALGAEFORMIS DischofT I. c. f lab. 1. — Tulasne I. c. 107. — *Hydrobryum nutans* RischofT mss. — Grescil in Africa ausirali.

XVII. CASTEHLWAVIA Tul. Sf Wedd.

(Tulasno, Ann. des sc. natur. [S6r. 3.] XI. 108.)

Involucrum uleriforme seu breviter longiusve tubulosum, primitus clausum, postea extremo apice varie plurifidum, divisuris paucis vel crebris et ciliiformibus. Pedicellus sigmoideus rectusve, brevissimus. Androceum basi ovario adnatum et magis minusve cupuliforme uniseriatum. Stamina duo breviter monadelphia, rarius unum, exserta. Staminodia duo ve) nulla. Stigmata longe linearia integra. Capsula involucri inclusa, nervosa, valvis maxime inaequalibus. — Herbae frondescentes aphyllae sen rhizomate lineari ramoso frondis indolem imitante foliifero instructae, pleraeque pusillimae hepaticas muscosve referentes: floribus frondi immersis marginalibus terminalibusve.

§. 1. *Eucastelnavia*: Majores aphyllae: involucri breviori, staminodiis duobus vel nullis.

- ¹. 0. PRINCEPS Tul. & Weddel I. c. 108. — Fronde crassa lataque, pluries dichotome partita, segmentis inferioribus extrorsum arcuatis, in arabitu eminula membraniformi sterilique; floribus crebro scorpioideoque ordine in fronde imraersis; staminodiis duobus; capsula superne non echinata, placenta foveata. — Crescit in Brasilia tropica medin.

- ². C. FIMBRIATA Tul. ft Weddel I. c. 106. — Fronde praerum lorulaeformi tenuissima, semel ei bis dichotoma, apice dilnlalo - incrassata et iterum bis terve dichotoma, tegmenlis brevissimis, in margine longe fimbriatis; floribus terminalibus, alaribus marginalibusque, staminodiis ut plurimum nullis vel prorsus eiguis; capsula apice hinc echinata. — Crescit in Brasilia tropica media.

§. 2. *Arraguaea*: Rhizomatoideae foliiferae: involucri tubuloso, staminodiis nullis; capsulae valva dissiliente, apice echinata. — Omnes in fluvio Araguay.

- ³. C. SERPENS Tul. a Weddel I. c. 109. — Rhizomale longe lineari tenuissimo serpente, pluries dichotomo seu ramoso nudo; foliis terminalibus paucissimis linearibus integris ferevibus, basi in membranulam crassiusculnm subrecte truncatam glabram florem obgoniem connatis; involucri brevi; staminibus duobus; capsula perpusilla. — Crescit in Brasilia tropica.

- ⁴. c. MONANDRA Tul. ft Weddel I. c. 109. — Rhizomate tenui, gemmis foliaceis erebeiTime marginato velato; foliis anguste linearibus integris longis, dorsum in vaginam bXIU8 quagi ijgUlj^eram coalitis; involucri longo tubuloso; stamine unico. — Crescit in Brasilia tropica.

- ⁵. c. FLUITANS Tul. ft Weddel I. c. 109. — Foliis longe linearibus mollibus luitaribus, in margine vel laciniatis; involucri longe et anguste tubuloso; staminibus duobus longe exsertis. — Crescit in Brasilia tropica.

G f PUSIIJMA Tul ft Weddel I c 108 — Folns ingiulissime lineonbus iniegns caespitosis cnspulis involucio longe tuhuloso, staminibus duobus eo subquodruplo longionbui — Crescit in Brasilia uopica

f §*peoie*H minus notae.

7 f MUI TIPARTITA Tul ft Weddel I c 110 — Hondo repenip ramosa, rHinis lineanhus angu«dis pinnaiipamiis, divisnns seu ramulis eliam dichoiomc pluriparutis, flonbus alnubus — Crescit in liiatilia iropica.

t t **Species itidem minus notae, tied praeoedentium dobiae congeneres.**

' *Cm agaea* Tulasne

8 C ?ORTIIOCARPA Tul ft Weddel I c 110 — Fionde spongiosa linean dichotoma, ramis alns ingustioibu? fohiformibus, flore cupulalo fiondi imposito erecto, involucro quasi urceolato — Crescil in Brasilia tropica

*' *lhabanhaea* Tulasne

9 > C FRURICUIOSA Tul et Weddel I c 110 — Rhizomate fliformi, caulibus erecus subsimplicitus, \ *igni*>> folionim supeislilibus conferiim imbncalis onustis, folns alterne distichis IIIICIIthus 2-3-sccus, (lonbus lermimlibus subsessilibus solilarus, involucru ovato - utciifoini, genualibus inclusis — Ciescil in Biasjlia tropica onenlali

Subtnbus II. *CHLAMYDEAE (Tnsticheae)* Tulasne 1. c. 110.

Gemtaha pengoniata, in\olucro propne dicto nullo, androceum 1—2-senatum, verhcillis perfectib aul incompletis, fructus 2—3-loculans, 2—3-valus, vahis aequalibus

Sect. I. *IHILARPIA*h Tulasne I c. 111. —• tructus Incarpus.

Will (1835) **TRISTICHA** *Pet. Th.*

(Tulasne, *Annal des sc natur [Str 3] XI HI*)

Pengoniuiii calycmum Irjpaitiluni avenium, divisuns aequalibus aeslnalione imbnotis Slamen uncum Stigmata tna sessilia linearia brevja divergenlia. Lapsula tngona longitrorsum no\emcostuJata. -* Herbae bypinfoimes ramosissimae: ramis exihbus saepius dislichis; folns integriis exiguis, altcmis et tnlanam bifanamve Imbncatis.

§. 1. Gerontopeae

1 TR TRIFARIA Tulasne I c — Caulibus caespitosis longissimis Qexuosis, crebre ramosis, ramulis bievibus densissime foliosis, folns ovato - rolundaiis ovaus ovatove-oblongis obtuMssjnus, tristichis imbncatis, flonbus solilams axillanbus, brevitei P^{edl}* cellatis — *Dufuurea tufana* Willd — Crescjt in insula Mascarenn.

2 TR ALTERNIFOIJA Tulasne I c — Fontinaloides. caulibus leretibiw *gracillimus*; ramulis Imeanbus foliosis loogissimis, folns spar sis obscure tristichis *oblongo-lance-*

- nbm, flonbus subsessilibus congestis alanbus hracteatis, bracteis ovato-acutis <uib-
planis — *Dufouea aHernifolui* Willd — fiescit in Madagasciaia
- 3 TR BIFARIA Prsl — Tulasne 1 c — Rnmosissima minis fliformibus simpliibus
horizontalibusque, folns bifuns lotundnlisadpressp imbucatii, flonbus ixilhubus ses-
silibus secundis bracteis — Ciescil in insulis Philippims
- 4 TR DREGEANA Tulasno I c — faulibns crussis compressis ramisqup nehrisereclis ,
ramulib8 fliformibus sien'ibus pnucis folii* o\ no - oblongis eugm4 nuuuiii^culis spar-
se alterne insliclms, floralibus ovato - concavi* lostrausque, llonhus crebns tong-eslis,
bieviiiei pedicollalis — *Podosttmon Dirgeanns* Pisi — Crescit in Africa nusiiia i

§ 2 Neopeae

- 5 1R HYPNOIDES Tulasne I c 11? — Cncspuosa humilis caulibus exilibus vagis vel
ngide erectis ramosis, ciebre folio sis, folus ovatis ovaiove-ellipticis tnsiichis, flon-
bus lerminalibus erectis
- a *Hdarn* fructu crassiore ellipsoideo - globoso
- (*J. microcarpa* capsula proisus ezigua anguste oblonga — *Dufourea hypnoides*
A Si Hil — Crescit in America utraque iropica
- <> 1R DRYOIDES Gardn Flora (B Z) XXXHI 39 — Caule erecto ramoso, foil is imbn-
caus elliplicis v ellipiico-ovatis obtusis, pedicollis axillanbus, spalha proiunde bipor-
iita, lobis orbiculanbu*, capsula 9 - costata — Habitat in Brasilia, prov feara in Rio
Salzddo lapidibus mnascens

f Exeludenda.

TR /EYLANICA Gaidn = LAWIA ZEYLANICA Tul

XX UraiaHTTHUS Wlprs

{lawui GnfTith mss ex Tulasne, Ann des sc nntur [Scr 3] XI 112 [nee Wght — Gf
Wlprs Anna! I 376])

Stamina 3 libeia, perigonn segmentis alterna Reliqua *Trtstichae*
comnunia — Herbulae: rhizomate thalli- scu frondiformi, lale quoquo-
vetiit expanso vel linean-ramoso; folus mtegris. interioribus cujuslibet
gemmae unifloiae in tubum apertum connatis, flonbus sparsis aut ter-
minalibus:

- ¹ MN /LYLANIGUB Wlprs rass — Rhizomate late bine attfue hinc expanso cra«so
••uio obscuro, folus alus rosulatis lineanbus brevibus, alus brevissime ovato-acutis
papillaeformibus sparsis creCns, flonbus crebns spaisis e vagmula lata longiuscula
Wtus papillis undique horndasingulatimprodeuntibus, pedicello longiusculo — *Tristl-*
"•o *Zeylumca* Gaidn — *Lama Zeylamca* Tulasne I c,il2 — Crescit mZeylama msula
- [^] MN PULCHEILUS Wlpis mss — Rhizomate tenui linean ramuloso brevi, crebre hioc
el * ide ilongeio, folus lineanbus linea albente in medio notatis, dwtichis, interioribus
gemmae flonferae verticillatis el slmul basi coalitis, pedicello medioen — *Lawia pul-*
chelia Tulasne 1 c 113 — Crescit in Hmdostama oooidentali
- ³ MN LONGIPBS Wlprs mss — Rhizomate tenui late linean, parce ramuloso, folus
^aPicnlihus longe lineanbus acutis, linea albente signatis, florem propius stipanubus
^{ln} or^em iri^ertis et deorsum simul conlitis; flonbus longe pedicellatis — *Lawxa*
longipcs Tujasne I. c. 113 — Crescit in Hindostama occidental!

Sect. II. *BWARPIAE* Tulasne 1. c. — Fructus dicarpidiatus.

XX. TTKDBEIIINA *Tulasne*.

(Tulasne, Ann. des sc. natur. [Ser. 3.] XL 113.)

Perigonium calycinum pentnphyllum, foliolis lineari-oblongis aequalibus liberis, aestivatione imbricatis, nervo medio crassissimo, limbo destructo tandem superstite instructis. Stamina plurima [6—10] verticillata uniseriata libera, antheris introrsis oblongis, polline ellipsoideotrigono. Ovarium laeve ecostatum biloculare, stylus cohimnaris teres, stigmate capitato coronatus. Capsula bilocularis, septicide bivalvis pleiosperma.— Herba: rhizomate lineari ramoso subligneo intricato; foliis dichotome multisectis, divisus linearibus squamulosis, squamis adpressis duns acutis; scapis alternatim bracteigeris unifloris; bracteis exiguis membranaceis obovato-obtusis, late sessilibus, scapum amplectentibus.

1. *W. SQUAMULOSA Tulasne 1. c. — Crescit in Guhno Anglica.

Ordo CCXXVII. CUPRESSAGEAE *Wiprs.*

(CUPRESSINAE L. C. Rich. — Endl. Gen. pi. p. 238. ft Suppl. IV. II. p. 1. — Meisn. Gener. pi. vascul. I. 352. II. 263. — Endl. Synops. Coniferar. [Sangalli 1847. 8vo] p. 3—74. — Wiprs. Annal. I. 745.)

I. JCTHRIPERUS *Lin.*

(Endl. Synops. Conifer, p. 7.)

Sect. II. *OXYCEDIWS* Spach. — Endl. 1. c. 9.

1. J. PYGMAEA C. Koch, Linnaea XXII. 302. f — Prostrate aut pyramidata: ramis acutangulis subtriangularibus; folia linear-oblonga, subito in acumen pungens attenuata curvulo-puntata, subtus obtusa, sed in canna linea impressa non instructa, supra caesio-pruinosa convexa; squamae saminiferae ovato-acuminatae, — Crescit in montibus alpis Ponticis.

Sect. III. *SABINA* Spach. — Endl. 1. c. 17.

2. I. POLYCARPOS C. Koch 1. c. 303. f — Arboreo-fruticosa: conice brunneo; ramorum* folia lerna vel opposita, ovata quidem, sed acuminata appressa, ramulorum opposita quadrifariam et recte imbricata, glandula oblonga in dorso convexo instructa acuta; glanduli confeni molles laterales, suo ramulo multo majores, sphaeroidei

r.ci, sed.caesio-pruinosi Incius; thuiuae geminae steriles et cum galbulo connatae, dimidium galbulum superantes. — *J. Lyciae* proximo accedit. — Crescit in Asiae minoris valle Tschoruk.

3. *J. ISOPHYLLOS* C.Koch 1. c.304. f — Arboreo-fruticosa: cortice dilute brunneo; folia ovata acutiuscula acuta adpressa opposite, quadrifariam et arete imbricate, rarissima terna, glandula oblonga in dorso convezo instructa; galbuli duri late rales, suo ramulo multo longiores aut subsessiles, sphaeroidei, sed basi attenuati, ex apice saepe tribus trifurculis minimis instructi, brunnei, sed semper caesio-pruinosi; squamae geminae steriles et cum galbulo connatae rotundatae, dimidium galbulum excedentes, apice plerumque in tuberculum desinentes; ramuli siaminigeri amenio suo multo longiores — Grescil . . . ? (in Asia minori ? ?)
4. *J. PROGEKA* Hochst. mss. in A. Richard, Tent. flor. Abyssin. II. 278. — Arborea praeeccelsa: foliis minimis crasso-carnosis quaternato-imbricatis, saepius semiovulibus acutis nut elongato-linearibus acutis; fructibus lateralibus ovoideis pisiformibus carnosus glabris glaucis. — Habitat in Abyssiniae provinciis Ouodgerate et Semiene.

t Sectionis dnbiae.

5. *J. SPIAERIGA* Lindl. Oc Paxt. Flow. gard. I. p. 58. fig. 35. — Arborea: foliis omnibus squamaeformibus quadrifariis obtusis, dorso fovea circulari notatis; ramulis gracilibus tetragonis obtusis; galbulis sphaericis glaucis breviter pedunculatis. — Habitat in China septentrionali.

IV. ACTINOSTROBIJS *Miqu.*

(Endl. Synops. Conifer. 39.)

1. *A. PYRAMIDALIS* Miqu. — Endl, I. c. 40. f — Van Houtte, Flore des serres V. p. 501b. (c. ic. xylogr.)

VI. LIBODENDRUS *Endl.*

(Endl. Synops. Conifer. 42.)

1. *L. TETRAGONA* Endl. I. c. 44. no. 2. — Paxt. ft Lindl. Flow. gard. 1. 47. fig. 32.
- * *L. CHILENSIS* Endl. I. c. no. 3. — Paxl. ft Lindl. I. c. fig. 33.

X. CUPRESSIJS *Tournef.*

(Endl. Synops. Conifer. 55. — Wlprs. Annal. I. 745.)

1. *C. FUNEDRIS* Endl. 1. c. 58. no. 5. - Paxt. ft Lindl. Flow. gard. I. 47. fig. 31.
- * *C. GOREWANA* Gordon mss. ex Lindl. Journ. of the horlic. soc. IV. 295. c. ic.
3. *C. MACROCARPA* Hrnweg mss. ex Lindl. I. c. 297. c. ic. (Species iudscripta);
4. * *C. TORULOSA* Don. — Endl. I. c. 57. no. 3. — Paxt. ft Lindl. I. c. I. 167. fig. 105..

Ordo CCXXVIII. ABIETAGEAE *wiprs*

(ABIETINLAE L C Rub — Lndl Swiops Conifer [Sangalli*1847 8vo] — Wiprs Annal I 746 — Endl Gen pi p 259 fit Suppl IV 11 p 4 — Moiss Gen pi vascul I 952 II 362)

I. PIHTUS *Linn*

(Cndl Synops Gonifei 81 — Wiprs Annal I 746)

- 1 P IIETEROPHYF LA (Koch, Linnaei XXH 295 f— Ramuh nonfm breves 1—2-pollioies puboiuli pntentissimi nut [nicles, folia lamoium densa spnrsn linean-oblonga, sensim in acumen atlcnuatu, rimuloi um plus dimidio minora densi«sima lineana acuta, floialm amonti slaminifeia duplo superantia us laimilorum mnjora lineana, apice loiundiia, snepe emarginala, omnia patentissima, paene homontalia, supra leviier canaliculata, subtus juxta cannam fascia argemea picta, squamae amenti stamimfen spathuhtae 1 icero • flmbnaiac , anthciae stipitatao ecustatae; amentum ovuliferum et stiobili *> — Ad *Abieles* perlinet — Crescit *?
- 2 P KOCHIAN \ Kltzsch mss exC Koch 1 c 296 f — Arbor medicns.olniudioeSO—40pedum ramulis et ramis patentibus aut patenti-ascendentibus, cicalncibus densissime obtectis, cortex fcrugineus aui ad apiccm ramulorum gu»eus, folia gemma 1—1/s-pollicana, linenm lata, supra concava, linen elovala insliucta,margiml)us(ope lenis a^ppectis) sterulatis, verlicillato-fasciculato-disposild, squamae fulcrantes ovatae,margme sublacerulo, hori7ontalitei patenlcs, involucianles 8—10 apice ovalo, albo-maigimiae lacerae, flmlirus ex paito conntxis, supiemac elongatae, gemmae ovato-conoideie, squamis ovalo-Innceolatis integus mstructac, nmenla stminifera breviter slipitala, anthens cnsla ovata mstruclis, strobilus brpvisiime stipilatus, hornotinus palens aut ereclus conoi-deus — Ad *Pvnastrwn* ptrlinct — Cre:>cit ad fonles flumims Kur
- 3 P ARMFNA G Koch 1 c ^97 +— Fiutcx aut aibor mediocre, altiudine 20—30 pedum ramis patentibus aut erecto-fastigiatis, cicatncibus distantionbus teens cortex ferrugineo- aut gnseo-aurcus, foln gemma, 1—1/t-pollicaria, lmeam et ultra lata acuta, supra concava, margimbus (ope lentis ail specie) vi\ serrulalis, sparsa, squamae fulcrantes ovatae aut retusae, involucianles 6—8 oblongae, apice acutiusculae, margme albo-Qmbnatac, scd Qmbrus mimme connexis, gemmae ovito oblongae, squamis ovato-Innceolalis dlbo-marginatis> flmbriaus, amenta stamimfca ^, strobilus maiurus brevissime siipitatus houzonialis ovalo-oblongus, squamarum extus rubro-brunnearum supeiioium umbones pjiamidau, interdum recurvi — Ad *Pmastium* pertmet - Grescit in Aimenia
- 4 P PONTIC\ C Koch 1 c 297 -p— Arbor medicns alliludine 30—40 pedum iamis el pateniihus corticc gusto instiuctis et cicatncibus distantibus obtectis, folia gemma bipollicana, vix lineam lata vindia, supia concava, lmea elevaia instrucla, marginibus scabndis (ope lentis adspeclis) senulatis, sparsa, squamae fulcrantes tetusae, involucrantes 6—8 albo-maigmatae, maigimum flmbnis connexis, apice oblon|o, **gemm**^, parvae oblongae, squamis oblongs, margme lacerulo, amenta staminifera ..?; strobiU

hornotini brevissime siliini, patentes aut eernui eonoidei, maturi subcernuo -lorizontales ovaii; squamne exierne (?) nigrae, interne brunneae, umbone pyramhato erecto. — Ad *Pintutrum* pertinei. — Crescit in Asia minore in dillone Tschorub.

5. P. LATTERI Mason, Boi. Zeil. VIII. 310. f — Arbor 50—60-pedalis: cortice scabro; foliis geminis ?—8-uncialibus, canniculutis scrratis scabriusculis; strobilis sub-4-uncialibus ovato - conicis, squammis i'bombeis inermibus. — Crescit in provincia Araherst Indiae orientalis, in convalle lluvii Thoungyen.
6. P. EDULIS Engelm. Sktch. of the bot. of Wislic. exped. 4. adn. — Squamis turionua ovatis acutis adpressis; inciniis vnginarum abbreviaiarum circinato-revolutis, demum deciduis; foliis binis brevibus rigidis, curvis tenuissime striatis, margine laevibus, supra concavis glaucis, sublus convexis viridibus; strobilis sessilibus erectis subglobo-oso-conicis, squamis apice dilatalo pyramidatis inermibus; seminibus obovalis apteris magnis, testa tenuiore. — Habitat in Nova Mexico.
7. P. OSTEOSPERMA Engelm. 1. c. 5. adn.— Squamis turionum elongato-acuminatis flmbriaiis squarrosis, Inciniis vaginarum abbreviatarum circinato-revolutis, demum deciduis; foliis xornis binisve brevibus tenuioribus reciusculis, margine laevibus, utrinque tenuissime striaiis, supra glaucis, suhtus virescentibus; strobilis sessilibus erectis subglbosis inermibus; seminibus obovatis apieris magnis, testa dura. — Habitat ID Mexico borcali (Buena vista).
8. P. BRAGHYPTERA Engelm. 1. c. ndn.-- Squamis; tin ionum longe acuminatis flmbriatis squarrosis subpersisipnlibus; vaginis elongatis adpressis; foliis ternis (raro binis seu quaternis) uiriquo viridibus el aspero - striatis; strobilis erectis ovatis seu elongato-conicis; squamis recurvo - aculeatis; seminibus obovatis breviter alatis. — Habitat in Nova Mexico (vulgaris).
9. P. STROBIFORMIS Engelm. I. c. p. 18. adnot. — Squamis turionum ovatis acuminatis; vaginis laxis patulis deciduis; foliis quinis fliformibus, supra albo-lineatis, acute carinatis, subtus convexis, margine tenuissime serrulatis; strobilis cylindrfcis elongatis; squamis obtusis inermibus, demum recurvis. — Habitat in Nova Mexico (Chihuiriacbi)^
10. P. MACROPHYLLA Engelm. 1 c. 19. adn. — Squamis turionum longe acuminatis-flmbriato - laceris squarrosis persistenlibus; vaginis elongatis adpressis laceris; foliis ad apiceni ramulorum congestis ternis, qualernis (rarius quinis) longissimis, margine carinuque serrulatis, utrinque aspero - striatis subglaucis; strobilis ovato-conicis; squamis tuberculo conico, apice spinifero recurvo instructis; seminibus parvis alatis. — Habitat in Nova Mexico (cum praecedente).
- ^ P. CHIHUAHUANA Engelm. 1. c. 19. adn. — Squamis turionum acuminatis adpressis; vaginis adpressis elongaiis laceris deciduis; foliis ternis (rare- quaternis), supra glaucis, subtus virescenlibus, icviler striatis, margine tenuissime serrulatis; strobilis ovatis abbreviatis; squamis transverse ovalis inermibus. — Habitat in Nova Mexico (Chihuahun).
- «. P. HETEROPHYLLA Prsl. Epimeliae botanicae p. 236. f—Foliis solitariis, binis, ternis quinisque angustissimis triquetris obtusis, margine carinaque remote serrulatis; vaginis brevissimis; sirobilis_____? — Habitat in Nutka-Sund Americae borealis occidentalis.

f Ioones addendae.

- 1¹. BENTHAMIANA Hartw. mss. ex Lindl. Journ. of the hort. soc. IV. 213. (c. ic. xylogr.) absq. diagn. — Tan Houtte, Flore des terres VI. 86. c. io. xylogr.
- P. CEMBROIDES Zucc. — Endl. I. c 188. no. 111. - \an Houtte 1. c. IV. 325]>. (e. tab.)

- P. FREMONTIANA Endl. I. c. 183. no. 112.— Lindl. Journ. of the botanic soc. IV. 214. (c. ic. xylogr.)
- P. GORDOMANA Lindl. — Wlprs. Annul. I. 746. no. 2 — Van Houue I. c. IV. 325 b. (c. ic. xylogr.)
- P. JEZOENSIS Sieb. ft Zucc. — Endl. I. c. 120. no. 33. J- paxt. ft Lindl. Flow. gard. I. 34. fig. 26.
- P. MUM CAT A I). Don. — Endl. I. c. 161. no. 79. — Lindl. Journ. of the botanic soc. IV. 217. (c. ic. xylogr.) — Van Houtte I. c. V. 517 c. (c. ic. xylogr.)
- P. RADIATA D. Don. — Endl. I. c. 161. no. 80. - Lindl. I. c. IV. 215. (c. ic. xylogr.) - Van Houue I. c. VI. p. 43. (c. ic. xylogr.)
- P. TUBERCULATA D. Don. — Endl. I. c. 162. no. 81. - Lindl. I. c. IV. 219. (c. ic. xylogr.) — Van Houue I. c. V. 517 d. (c. ic. xylogr.)

III. DAKMEARA *Rmph.*

(Endl. Synops. Conif. 183.)

1. *D. ORIENTALIS Lamb. — Endl. I. c. 189. no. 1. — *JKlumphn* Prsl. Epimel. bot. 236. (absq. descr.)

VI. SEQUOIA *Endl.*

(Endl. Synops. Conif. 197.)

1. *S. RELIGIOSA Prsl. Epimel. bot. 357. — *Abies religiosa* Hook, ft Arn. — *Taxodium sempervirens* Hook, ft Am. — *Sequoia gigantea* En[^]. I. c. 198. no. 2.

Ordo CCXXIX. PODOGARPACEAE *wiprs.*

(PODOCARPEAE Endl. Synops. Conif. [Sangalli 1847. 8vo] p. 201 — 228. ft Gen. pi. Suppl. IV. II. p. 8. — *Taxmaium genera* L. C. Rich. — Endl. Gen. pi. p. 261. [ex. p. J — Meisn Gen. pi. vascul. I. 353. II. 264. [ex p.]

1. PODOCARPIS *Hirt.*

(Endl. Synops. Conif. 206.)

1. P. COSTALIS Prsl. Epimel. botanicae p. 236. + — Ramulis oppositis angulatis; foliis late linearibus aut lineari-lanceolatis obtusis cartilagineo-marginalis, supra tenuissime longitudinaliter siriatis, subtus costa laevissima inspicuis, utrinque venis, basi in petiolum brevissimum angustatis; amentis masculis axillaribus sessilibus solitariis cylindriciselongatis; squamis inflatis orbiculatis, margine scarioso lacero-denticulatis, disco rugulosis; pedunculis fructiferis brevissimis axillaribus solitariis. — In insula Luconia habitat.
2. *P. AMARA Blume, Enum. pi. Jav. 88. , Rumpbia III. 213. † tab. 170. — Endl. Synops. Conif. 217. no. 29.

3. *P. NKGLECTA* Blume 1. c. 213. f — Foliis subdistiche patentibus lineari-lanceolatis aculis vel acuminatis obtusisve rectis vel subfalcatis coriaceis (nervo utrinque prominente); gemmis subulatis, perulis acuminatis; amentia masculis in pedunculis axillaribus fasciculatis cylindratis brevibus, basi squamulis deciduis cinctis. — In Java occidentali.
4. *P. DISCOLOR* Blume 1. c. f — Foliis sparsis approximatis arrectis lineari-lanceolatis aculis vel pungenli-acuminatis reclis coriaceis firmis, subius glaucis (nervo utrinque prominente); gemmis ovoideis, perulis acuminatis. — In Java insula.
5. *P. THKVETIAEFOLIA* Blume 1. c. + — Foliis sparsis approximalis, undique patentibus lineari-lanceolatis pungenti-acutis vel obtusis reclis vel falcatis coriaceis (nervo subius prominente, supra appanalo vel prominulo); gemmis minutissimis ovoideis, perulis aculis; pedunculis foemineis axillaribus solitariis unifloris; fructibus ellipsoideis. — In Nova Guinea.
6. *P. BRACTEATA* Blume 1. c. 214. + I. 172. fig. 1. — Foliis approximatis undique patentibus lineari-lanceolatis longe acuminatis reclis vel subfalcatis coriaceis, (nervo subius magis prominente); gemmis subulatis squarosis, perulis subulnatis acuminatissimis; amentia masculis axillaribus conferlis, rarissime solitariis elongato-filiformibus, basi squamis persistentibus cinctis; pedunculis foemineis axillaribus solitariis uni-bifloris, apice bibracialis; fructibus ellipsoideis.
p. *bravipes*; foliis angustioribus crassioribus; pedunculis fructiferis receptaculum longiudine aequantibus; fructibus ellipsoideo-globosis. — Habitat in Java insula occidentali.
7. *P. LEPTOSTACHYA* Blume 1. c. f — Foliis sparsis undique patentibus lineari-lanceolatis pungenti-acutis vel acuminatis rectis vel subfalcatis coriaceis firmis (nervo supra magis prominente); perulis subulatis acuminatissimis; amentis masculis axillaribus solitariis v. geminis tornisve filiformibus, basi squamulis cinctis. — Habitat in Borneo insula.
8. *P. RUMPHII* Blume 1. c. + — Foliis sparsis subdistiche patentibus lineari-lanceolatis elongatis aculis vel acuminatis, rarius obtusiusculis reclis vel subfalcatis coriaceis (nervo subius prominente, supra appanalo vel paululum prominente); gemmis ovoideoglobosis, perulis ovalis aculis; pedunculis foemineis axillaribus solitariis apice 1-3-floris; fructibus ellipsoideo-globosis. — *Cerbera nereifolia* Zipp. Bijdr. bot. Wet. V. 174. — *Lynwn emanum* Rumph. Hb. Arab. III. 47. tab. 26. — In insulis Moluccis.
9. *P. MAKQYI* Blume 1. c. 215. f — Ramis erectis; foliis approximalis, undique patentibus lanceolato-linearibus obtusis vel aculis rectis coriaceis (nervo medio utrinque prominente); gemmis perulisque subulatis acuminatis; amentis masculis axillaribus ternis quinisque filiformibus, basi squamatis; pedunculis foemineis axillaribus solitariis unifloris, apice bibracialis; fructibus ellipsoideo-globosis. — *P. macrophyllus* f. *Maki* Sieb. & Zucc. — Habitat in Japonia.
10. *P. AGATHIFOLIA* Blume 1. c. 217. + tab. 173. — Foliis suboppositis lanceolatis multinerviis rigidis, utrinque stomata gerentibus; gemmarum perulis acuminatis; floribus dioicis; amentis masculis in pedunculo axillari spicatis cylindricis; pedunculis foemineis axillaribus solitariis unifloris; receptaculo cylindrico squamulato; fructibus globosis. — p. *latifolia* Blume, Enum. 89. — Java.
- U. **P. CUPRESSINA* R. Br. - Endl. Conif. 222. no. 38. — Blume, Rumphia III. 221. f. iab. 174. fig. 2. ft. tab. 172/B. fig. 2.

II. DACKYDIUM Itt Soland.

(Endl. Synops. Gonif. 224.)

1. **O. ELATUM* Wajl. — Endl. 1. c. 226. no. 8. — Blume, Rumphia III. 221. f. iab. 174. fig. 1. & tab. 172/C. fig. 2.
in.

IN. **MICROCACHRYS** Hook. /*/.

(Archer in Hook. Kew pard. misc. II. 51. — Endl. Synops. Gonif. 2**7.)

Flores dioici. Masculonim amenta ovata, squamae antheriferae rhombo-ovalae, unguiculatae peltatae. Antherarum thecae 2, globosae, squamis suis valde majores, dharicatae. Pollen trigonuii, trinucleatum, Florum foemineorum amenta simplicissima, erecta, vix folia extrema supereminentia. Squamae 4, semirotundae, cruciatim oppositae, conni-ventes. Ovula 4, amenli ad angulos interiores posita. Srobilus minimus, e squamis triangulari-ovatis, inaequalibus erectis formatus. Sernina (2 generaliter perfects) subfusiformia, nudissima, squamis sublata, testa papyracea, triptera. — Arbuscula, 10 ad 20 ped. alia, facie sub-similis Cupresso. Kami ramulosissimi. Ramuli plurimi, tetragoni, sub-1 lin. lati, subdistichi. Folia rhombo-ovata, versus apicem inflexa, obtusa. dorso obtusangulosa, cruciatim -opposita, ramo appressa. Amenta ad apices ramulorum plurima.

- 1, 'M, **TETRAGONA** Hook. (ll. Lond. journ. of bot. IV. 150. (ezcl. descr. pi. foemin.) — Habitat in Tasmannia.

IV. **PHEIROSPHA ^RA** Archer.

(Archer in Hook. Kew gard. misc. H. 52.)

Flores dioici. Amenta mascula oblongo-cylindracea, vix ramulis suis latiora. Squamae antheriferae rotundo-ovatae, minute ciliato-dentatae, unguiculatae. Antherarum thecae 2, globosae, squamis suis minores, membranaceae, divaricatae. Pollen...? Amenta foeminea ovata, sub-erecta, ramulis suis dimidio latiora. Squamae oblongo-ovatae, concavae, subnaviculares, ad apicem incurvae, peltatae, imbricatae. Ovula globosa, solitaria, juxta apicem squamanim posita, super costam sedentia. Srobilus parvulus, decurvus, e squamis (circiter 12) foliis submajoribus leviter patentibus formatus. Semina minima, ovato-globosa, omnino nuda, solitaria, testa chartaceo-spongiosa, laevi, substriata. — Fruticulus prostratus, "humifusus. Rami ramulosissimi. Ramuli plurimi, tetragoni, sub-1 lin. lati, palenles, subdistichi. Folia rhombo-ovata, dorso obtusangulosa, cruciatim opposita, arete imbricata, ramo appressa. Amenta ad apices ramulorum plurima.

1. *PH. **HOOKERIANA** Archer in Hook. I.e. — *Microcachrys tetragona* Hook. Lond. jouro. Bot. IV. 150. (quoad amenta foem. solummodo). — Habitat in Tasmannia.

Ordo C C m . TAXACEAE *wiprs.*

(TAXINEAE L. C. Rich, [ex p.] — Endl. Synops. Conif. [Sangalli. 1847. 8vo] p. 229—244.
— Endl. Gen. pi. p. 261. & Suppl. IV. II. p.^o 9. — Meisn. Gen. pi. vascul. I. 353. II. 263.
[ex p.]

VI CBPHAIiOTAXUS *Hook.*

(Hook. Bot. Mag. tab. 4492.)

FJores dioici. Amenta staminigera axillaria, e gemniis propriis decussatim perulatis composita, amentulis pluribus, bracteis suffultis, capitata. Stamina in quovis amentulo 4, 6, vel plura, axi alternatim inserta. Filamenta teretia, in connectivi processum brevem, squamaeformem, margine inferiore antherae lociilos tres, pendulos, postice longitudinali^{aliter} debiscentes gerentem producta. Amenta gemmulifera ex axillis perularum hornotinarum gemmae foliiferae, in stipite nudo tetragono capilata. Squamae gemmiiferae plerumque octo, decussatae, coriaceae. Gemmulae sub qua vis squaiqa 2, sessiles, singulae urceolo praeter apicem pervium adnalo inclusae, atropae, micropyle supera, plurimae abortivae. Fructus in quovis capitulo 2 v. 3, urceolo adnato clauso, crasse carnosio, drupacei. Semen erect urn, integumento exteriore osseo laevi, interiore membranaceo, albumini aequabili, nee corrugato adhaerente. Embryo antitropus axilis, colyledODibus duabus brevibus, radícula cylindrica supera. — Arborcs Japonicae: ramis secundariis distichis. Gemmae perulatae, perulis persistentibus, arete decussatim imbricatis. Folia altet*na, subdisticha, brevissime petiolata, petiolip decurrenlibus, linearia mucronata-acuta, parum falcata, uninervia, subtus fasciis duabus stomatum latis, inultiseriatis percursa, per triennium virentia. Amenta staminigera ex axillis foliorum, stipitibus dense imbricatim bracteatis insidentia, gemmulifera ex axillis perularum interiorum in stipitibus nudis. Fructus secundo anno mltidri.

¹ C. FORTONI Hook. 1. c. f — Lindl. ft Pnxt. Flow. gard. I. 57 fig. 34. — Van Houtte, Flore des serres VI. 51. tab. 555. — Ramorum fohif exnele distichis sessilibus pectiifltim dispositis lineari-ocuminatis (3-4-uncialibus)rigidis, subtus pallidioribus; amoa¹¹* siaminigeris globo^{is} breviiier pedunculalis, peduncuo bractento, amemulis bractea^{ale} ova la concave erosa brevioribus. — Habiat in China borenl.

Ordo CCXXXI. GNETACEAE *Blume*

(Endl Synops Conifer ISangalli 1847 8voj p 245-264 — Endl Genei plant p 262 & Suppl IV II p 11 — Meisn Genor plant vascul I 352 II 263)

I **GNETUM** *Linn*

(Endl fcjnops Conifer p 249)

- 1 •GN GNEMON *Linn* — Lndrl c 230 no 1 — *Blume*, Nov fam 30 ft *Rumphia* IV 3 -j- *Gn sylveslus* *Biongn* — *Gn oualt/uhitim* *Poir* — *Gnemon <ylyeslris* *Rmph* *Hb Arab* III 174 fig 22
P law mum *Blume* *Rumphia* IV 5 f tab 176 — *Foln** elliptico-oblongis vel oblongo-hnceohlis, ulnnque suhdnguslntis, drupis iuliusculis — *Gn Gnemon L Mart* I 125 — *Gn polyslachyum* *R«mw* — *Gnemon ilointbtica mas* *Rmph* I c t 171
Y luctilum *Blume* I c 4 f — *Folus* ovgt - oblongis lanceolatisve acun^inatis, basi suhroliinditis, diupis acutiusculis — *Gnemon domatica foctmna* *Rmph* I c t 172
\$ majusculum *Blume* I c 5 f — *Folus* maju*culis elliplicis, utnnque acutis vel apice obtusis, fiuciibiis ciassionbus nn_Disque obtusis
- 2 •GN LATIFOLIUM *Blume* -- Endl *Conif* 251 no 2 — *Illume*, *Rumphia* IV 5 f tab 174
- 3 GN LEPTOSTACHYUM *Blume* 1 c adn f — *Cnule* saimentoso, folus ovalibus oblongisvo ncuinatis vel hreviler cuspidatis, basi aculis vel •subrotundatit, sublus reticulato-voiiosis, siccatis obscure Mienlibus, imenlis dioicis fascicultis vel racemosia — *Habitat* in montosis insulae *Borneo*
- 4 GN CtSPIDATUM *Blumo*, *Rumphia* IV 5 -j-—Caule saimentoso, folus oblongis vel elliptico-oblongis lanccolali*ve cuspidntis, basi subaculis venosis (siccatis mgresceatibus>), lmtntis tlioicis solinrns>, frutubus sessilibus ellipsoideis obtusiuscuhs veira-coso-piuiclalis — *Ciescit* in msula *Sumalia*
- 5 GN 'NfGLCCTUM *Blume* I o 6 t tab 175 fig 2 ft tab 184 — *Caule* sarmentoso, folus oblongs vel lanceolatis acuminatis, basi acutis subcgnaceis venulosis (siccatis in fuscum \ergentibus), amenlis. dioicis solitaius vel ranssime conlerlis, fruclibus sessilibus ellipsoideis acutiusculis — *Ciescit* in insulis *Java*, *Sumatra* & *Borneo*
- 6 GN MICROCARPUM *Blume*I c 7 f lob 175 fig 1 — *Caule* suimentoso, folus oblongo-hnctohus acutis vel acummaiis, InM acutiusculis conaceis subavpniis (siccatis in fuscum \eigentibus), amenlis dioicis solitaius, ranssime confcitis, fiuclibus sessilibus ellipsoideis acutiusculis — (rescit in *Sumatra*, rarius in msula *Java*)

II. EPHEDA *A Tournef*

(Endl Sjnops Conifer 253)

- 1 (PH HUMILIS *VAeddel*, *Ann des suenc nolur* (Sdr 3) XIII 251 — fmliculufi ^{vix} deteimernlis caule subteiraneo iluzomatoideo lamoso, obsolete nodoso *Romi* ft ^{scil}

culati, alii breviores hypogaei ascendentes futu«ci, alii longiores epigaei prostrato-difusi striati loeves, internodiis 6 — 15 mm. longis; vaginis profunde bifidis, lobis tubo paulo longioribus. Flores dioici. Amenta foeminea biflora, ad basin ramorum annuorum brevissime pedunculate, e vaginis quinque inaequalibus (infima minima) profunde bifidis constant[^]; vnginnrum omnium tubo brevissimo, lobis rotundatis imbricatis, maiuritis tempore carnosus rubris. Ovuli tubillus recius, $\frac{1}{2}$ mm. longus, apice oblique abscissus, brevissime ligulatus. Semina duo oblongo-ovata, 4 mm. longa, 2 mm. laia, acutiuscula, introrsum plana, dorso angulato-convexa. — Crescit in cumpis arenosis provinciae Puno Peruviae ad altit. 3950 metr.

Ordo CCXXXII: CTCADEACEAE *Endl.*

(Endl. Gen. pi. p. 70. ft Suppl. I. p. 1352. - CYCADEAE L. C. Rich. - Meisn. Gen. pi. vascul. I. 353. f. 264. — Miquel, Monographia Cycadeorum [Trajecti ad Rhenum 1842. Fol. c. tabb. 8.] — Wlprw. Annal. bot. syst. I. 747. — Miquel, Linnaea XXI. 563. sq.) -

I. CYCAS *Linn.*

(Miqu. Monogr. Cycad. 21. - Wlprs. Annal. I. 747.)

1. *G. CIRCINNALIS Linn.— Miqu. Monogr. Cycad. 27. — Blume, Rumphia IV. 15. f. tab. 176 B. 176 C. — Wlprs. 1. c. no. 2.
var. *pygmaea* Blume 1. c. 16. — Arte horiulanorum Japooensium orla differt nana, segmentis frondium multo paucioribus ft'angustioribus minoribus rigidioribus.
2. C. (?) HYPOLEUCA Prsl. Epimeliae botanice p. 238. f — Foliis pinnatis, pinnis alternis oppositisque, basi obtusa scssilibus lineari-lanceolatis aculis mucronatis ciliatis, aculeis setiformibus rectis adspersis, subtus albis, venulis transversis elevatis nervos uonjungenibus; rbachi lomemosa aculeis horizontalibus rectis selisque armata. — Habitat in insula Luzon.

II. MOOST *Lindl.*

(Wlprs. Annal. 1. 747. [errore* typographi DION.]

1. 0. IMBRICATUM Miqu. mss. in E. Otto. Neue allgem. deutsche Grtznng. IV. 330. f — Caudice subclavato-oblongo, apice griseo-fusco tomentoso, deorsum areolato glabro; frondibus breviuscule' ftipitalis Hnenri-lanceolatis plant's, stipite rhachique villosis, foliolis 'oppositis aliernisque praeier infima* valde abbreviate densissimis sursum imbricatis patentibus lanccolalis subaequilateris spinoso-acutis, supra marginibusque villosulis, subtus pallidioribus glabris striolatis. — Habitat in Mexico. *
2. D. EDULE Lindl. — Wlprs. Ann. bot. syst. I. 747. no. i. — Miquel 1: c. — Caudice ovoideo fere toto fuscescenti-tomenioso; perulis e basi lata lanceolatis longe acumintatis; frondibus breviter stippiatis lineari-lanceolatis plant's, stipite cylindrico-tetragono rhachique villosis, foliolis oppositis et alt em is basi lata pallida decurrenti inserlis, sublmeari - lanceolatis pungenti - acutis oequilateris viz subfalcatis, margine superiore subius subincrassatis, supra saturate viridibus, subtus glaucescentibus substriolatis, nervulis 12-14. — Habitat in Mexico.*

- 3 *D. ANGUSTIFOLIUM* Miqu 1 c 331 f — Gaudice oblongo apice squamoso et tomentoso, caelerum areolato glabro, frondibus brevissimis stipitatis linear-lanceolatis jllamusculis, stipite cylindrico-tetragono, rhachi interne villosa, suisum glabta, utrumque praesertim dorso convexa, foliis oppositis et alternis, basi lata pallida decurrenti insertis, linear-lanceolatis aequilatis vel megaliter flexuoso-subfalcatis, spinoso-pungentibus, marginibus subincrassatis, glabris supra saturate viridibus, subtus pallidibus, nervulis circiter (?) sinuatis — Habitat in Mexico

III CERATOPHYLLUM A. Brongn

(Wlprs Annal I 757)

- 1 *C. LONGIFOLIA* Miqu in C Otto, Neue allg deutsch Gnnztng IV 338 + — Stipite tereti rhachique amice bicanaliculata, junonibus puberulis, illo confortius, hac interne puree aculeolatis, foliis suboppositis oppositisque pallide viridibus inaequilateraliter elongatis - lanceolatis subdimidiatis, acuto pungentibus, basi peraequaliter attenuatis, in marginibus leviter recurvis cartilagineo-lanceolatis pallidis, nervis utrumque immersis, rhachi longe exserta — In Mexico
- 2 (*C. INTERMEDIA* Miqu I c f — Frondibus longe stipitatis, stipite tereti deorsum aculeolato, rhachique subtereti amice bisulcata puberulis uio gliibernis, foliis subalteris parilibus, superius erecto-palatis, elongato-lanceolatis plerumque aequilatis, quibusdam subfalcatis-inaequilatis, attenuatis-subacuminatis pungentibus, laete viridibus marginibus leviter recurvis — Habitat in Mexico.
- 3 *C. MEXICANA* Ad Brongn — Wlprs. 1 c 748 no. 1 — Miqu I t f - Caudice subgloboso vel ovoideo, squamis enstano-fusis, frondibus longiuscule stipitatis cruciatis, adultis glabris stipite subcylindrico, praesertim versus basin aculeolato, rhachi lentil articulo bicanaliculata, vix aculeolata, foliis suboppositis alternisque liliuscule hinc inde sulcatis natis - pungentibus, subconatis, supra saturate viridibus subtus pallidis nervulisque circiter 17-18 notatis — Habitat in Mexico
- 4 *C. BREVIFRONS* Miqu 1 c 334 f — frondice ovoideo, frondibus brevibus longe stipitatis, stipite rhachique subteretibus, adultis glabris, illo parte aculeolato, hac antica bisulcata, foliis suboppositis subdimidiatis - lanceolatis, margine superiore recto, inferiore convexo recurvo, subacuminatis, pungentibus, basi attenuatis (superius eum haud constans). — Habitat in Mexico
- 5 *C. ROBUSTA* Miqu 1 c f — frondice oblongo, frondibus nascentibus praesertim basi, et apice subhirsuto-pubescentibus, adultis plicatis imis basin glabris, stipite subcylindrico aculeolato rhachique crassis, hac antica bisulcata, foliis plerumque oppositis suboppositis, lanceolatis (basi valde elongatis) subaequilatis (nascentibus valde latis) acutis pungentibus, marginibus leviter recurvis, superiore versus basin, inferiore versus apicem convexiore, conatis laete viridibus — Habitat in Mexico
- 6 *C. BOLIVIANA?* Ad Brongn l.c p 9 — Miqu I c f - Planta junio Stipes teres puberulus prostratus inermis, foliola dimidiata-oblonga, margine uno lato, altero convexo, subabrupte acumata, intra apicem quandoque subumbrata, conata laete viridia, utrumque subsinuata, opposita, in una fronde uni-, in altera bipartita, 20 centum longa, 3-3.5 lata, infima breviora et latiora — la Bolivia

VI ZEPHYRUM Lmn.

(Miqu, Monogr Cycad 63 — Wlprs Annal I 748.)

- 1 *Z. BRONGNIANUM* WttMel, Ann des stuno. natur. [S6P 3] XIII. 249. tab. 4. - Canis
dix camosus, 6-11 cm. crassus, omnino hypogaeus cyliodraceus, inferne IIIIS

nularibus obsolete notatus, apice attenuatus squamiger, squamis laxè imbricatis, infl-
 mis late triangularibus, superioribus elongatis acuminatis. Folia 3-5 e medio squa-
 marum emergerilia, 4-5 decim. longa, laxè 10-18-juga, pallide virentia, rhachi gracili,
 obtuse triquetra glaberrima, pagina superiore leviter carinata, foliolis alternis subop-
 positivè linearibus-lanceolatis, 2-3 decim. longis, 1 cm. circiter latis, petentibus, rectis
 vel rarius subfalcatis, tyisi attenuatis, cum rhachi vage aniculatis, iniegerrimis aut
 superne denticulis 2-5 utrinque instructis, apice mucronulatis, conaceis glaberrimis,
 supra laevissimis nitidis, subtus longitrorsum et leniuter striatis, margine angustis-
 sime revoluto, petiolo superne cylindraceo rhachi plerumque longiore, laevi, inferne
 utrinque tomentoso. Sprobori solitarii e mediis foliis assurgentes.
Strob. masc. cylindricus aut obtuse polygonus, 5-7 cm. longus, 10-13 cm. latus, bre-
 viter praeunrulatus; squamis cuneiformibus, apice incrassatis, brevissimè tomentosis
 sulcoque transversali notatis; antheris paucis discretis vel didymis paginam inferio-
 rem squamarum ex integro ostendentibus. *Strob. joem.* sub maturitate oblongus, 14-16
 cm. longus, 5 cm. circiter latus, apice acuminatus, stipite cylindrico subpalmari gla-
 brumsculo oblique insidens; axi piloso; squamarum disco hexagono ferrugineo-virenti,
 10-15 mm. lat., 8-10 mm. alt., extus (in medio praesertim) rugoso-tomentoso aut ni-
 tidiusculo, denique radialim plicato, margine demum villosa angulisque recurvis. Se-
 mi-na oblongo-elliptica, 12 mm. longa, laeve coccinea. — Crescit in Brasiliae orient-
 alibus provincia Malio - Grosso.

II. PLANTAE MONOCOTYLEDONEAE.

Subclassis I.

SPADICIFLORAE *Bartl*

(Mcisn. Gen. pi. vascul. I. 353. II. 264.)

Ordo CCXXXIII. PALMAE *Linn.*

Ph. de Martius, *Historia naturalis Palmarum* Vol. I—IN. [Monachii 1823—1850 fol. c. tabb. 245.] - Endl. Gen. pi. p. 244.; Suppl. I. p. 1370. II. p. 24. III. p. 63. - Meisn. Gen. plant, vascul. I. 354. II. 264. — Knth. Enumerat. pi. omn. III. 168. 593. ft 637. — Wlprs. Annal. I. 750. & 1003.)

Tribus I. *ARECINEAE* Mart. — Knlh. 1. c. 170.

I. CHAMAEDOREA *Willd.*

(Knth. Enumer. III. 170. -y Wlprs. Annal. I. 750. ft 1003.)

§. 1. *Corolla tripetala. Fructus plerumque monospermus.*

1. * CH. LANCEOLATA Knth. 1. c. 172. - Mart. Hist. Palm. d'Orbign. 4. tab. 6. fig. 3. tab. 16/A. & Hist. nal. Palm. III. 307. tab. 7. 8g. 8.
2. CH. LUNATA Liebm. mss. ex Martius I. c. 307. adn. f — Caudice remote annulato, superne vaginis frondium tecto, petiolis teretibus, pinnis alternis remote lanceolatis falcatis vel polius sigmoideis, acuminalibus aculis, basi contraclis plicatis, sursum conduentibus, nervo medio duobusque marginalibus validis, rhachi postice convexa, antice acutungula, utrinque sulcata; spadicebus infra frondes simpliciter ramosis, ramis longissimis flexuosis; baccis elongatis curvatis, utrinque attenuatis, medio ventricosis. — In Mexici sylvis ad Colipa, Misantla, Xicaltepec.
3. CH. TEPEJILOTE Liebm. mss. ex Martius I. c. 308. adn. f — Caudice mediocri erasiusculo dense annulato; pinnis numerosis densis alternis anguste lanceolatis leviter falcatis acutis, nervis 5—6 validis percursis, rhachi dorso convexa, antice canaliculata; spadicebus junioribus spathis clausis circumdatis cylindricis, apice aculis perlongis, florentibus inter frondes erumpentibus simpliciter ramosis, foemineorum ramis crassis angulatis flexuosis mijuiatis; baccis nigris elongato-ovatis. — Habitat » Mexico ad Matlaluca, Orizaba.

4. CH. SARTORII Liebm. mat. ex Mart 1. c. adn. f — Caudice annulate, eaperue wginis frondium tecto; petiolia teretiuaeulis aulcatia, basl in vagnam oblique apertan dilatatis, vagfna, petiolo, rhachi dorso fascia alba notatis, pinnis aliernia elongato-Janoealatis falcaills acuminatis acutis, basi cocontractis, summis conQuentibua, rbaçbi antiç* acuta-gula, ulrinque sulcata, postice convexa; spadicibus simpliciler ramosis inter et infra frond es, ramis masculorum tenuibus difflusis longissimis pendulis, foemineorum paucis crassis ereclis angulalis rainialis; baccis ovalibus nigria. — In Mexico prope Mirador. _.
5. CH. POCHUTLENSIS Liebm. mss. ex Mart. 1. c. adn. + — Caudice elato gracLji dense annulato; petiolis bnsi subterelihu, sursum antice ncutongulis strialis, postice convexis laevibus, pinnis numerosis elongato - lanceolalis rectis, basi conlroclis plicate, apice aculis; spadicibus inter frondes erectis simpliciler ramosis,- ramis longissimis tenuibu? pendulis. — Habitat in Mexico prope Pochutla.
6. CH. MONTANA Liebm. mss. ex Mart. I. o. adn. f — Caudice brevi striato arete annulato, petiolis triquetris antice acutangulis, postice pinnis vel convexiusculis, pinnis numerosis aternis vel suboppositis patulis remotiusculis rigidis anguste loneolatia actis cuspidatis plicatis, basi contractis rectis, summis confluentibus; spadicibus lutra frondes simpliciter ramosis erectis, ramis crassifusculis flexuosis; baccis parce carnosis nigris globosis, nucleo obovato - globoao. — In Mexid prov. Oaxacensl.
7. CH. SCANDENS Liebm. row. ex Mart. 1. c. adn. f — Caudice longiasimo gracili flexuoso subscandente vel ope frondium ascendente, vaginis tecto, remote annuLLaU); fo-liis basilaribus duobus permnentibus flabellato - bifidis rigidis, caulinia longisaimla flexuosis remotis alternis, petiolo basi in vaginam dilntato, rbachi triqaetra, dorso applnata vel convexiuscula, antfee acutangula, utrinque canaticulata, pinnis numerosis nternis remotis divergentibus elorfato - lanceolatis longe acurainatis plicaila rigidiusculis, sursum decrescentibus oppositis deflexis, summis connatis hamaeformibus corneis; spadicibus Jateralibus subappressis rigidis simpliciler ramo^is, rnmlla craasiua-culis flexuosis palulis; baccis globosis nigris coriaceis, nucleo obovato-globoso, fibris validis circumdato. — In Mexico, frequens prope Mirador.
8. CH. AFFINIS Liebm. mss. ex Mart. 1. c. adn. f — Ad praecedentem omnibus rationibus accedit, differt: frondHus brevioribus tenuioribus, pionis omnibus alternis patulis angusioribus, summis confluentibus, spadicibus longioribus, spathis 4 alternis pflrsistentilius oblique apertis, baccia panto oajorjJwa, nuoleo fibris reliculatia circumdato. *— In Mexico ad Chinanila.
- §' CH. RADICALIS Mart. 1. c. adn. f — Pusilla: caudice abbreviato stolonifero, yaginis frondium brevibus ovato-lanceolatis tecto, petiolla quam pinnae brevloribus, supra sulcatis, sursum obtuse irijgonis rbachJque superne bisulca absque fascia dorsall, subglucescentibus, pionis concinnis crassiusculis llinearibus acuminatis, acumlne inaequilatero rectangulo, strictis planiusculis, nervis, multis parum conspicuis; spadicibus (m.isculis) jam subradicalibus stride erectis pauciramosis; antberis breviter ovato-oblongis; baccis globosie (Pjsi magnitudine) nigris. — la Mexico (Sierra Madre).

S- 2- *Collinia* Liebm. mss.— Corolla foeminea (et mascula?) monopetala Edentata aut trifida. Fructiw abortu monospermus. Spadix. ramotus.

¹⁰ - 'CH. ELEGANS Mart.- Knit. I. c. 171. no. 3.— Mart. Hist. nat. Palm. tab. It. flg. 3. ^z- IX. flg. 4. ft tab. 17. flg. 7. — *Kunthia Deppei* Hort.

**• CH. LIEBMANNI Mart. 1. c. HI. 808. ada. + — C*u4ioe elato stricto annulato, peioliis vhaefaibasque qvaaViquetris, antice AtriaUi, Uwi vaginaniibua, pinnis elongato - Unceolatia acuminatis aculis, basi contract!! plicatis; spadicibus inter (bandes erampexiibua
UL

illuque niujto brevionbus duphcato - nmosis ramis pi imams compressis, secundanis fasiigiatis angulatis, bacns globosis minulis nigm — Habitat in Moxici distnctu Chinantla

- 12 CII HUMH IS Mart 1 < idn f— Pumila caudice perbie|i aut subnullo vtgims, om-
nmo teclō, voginis pelioloium laic luntulatis, ihachibus quulriqueiio-compressis
pinnis linenu-lanceolatis iPmotioribus, spidicibus jnlci et infra fiondes crumponlibus
usque brevionbu< simpliciter lamosis, ramis patenlibus, bacris ni^ns globose illas
Cli elegaidis parum supciintibus — In Mexico oiientili id (uliba, Misanlla, Li-
coba etc

§. 3 *Stachyophorbe* Liebm mss. — Coiolla Liipctald Mast (minus
notae) aestnationc convoluta, s>lam ', foemineae aeslivdtione \alvata
Fructus oculis saepe omnibus evoluhs, shgmatibus basilanb'us centia-
libus persistentibus Spadix simplex

- 13 CH OREOPHILA Mart 1 c 309 idn f — Caudice arundinaceo (3—4) dense annu-
lato, fiondibns crecto-patentibus, peioliis basi teienbus, suisum anguhtis, lhachi in-
U(t acutingula maiginaia, police obtnsmgula sultis duobus Inteajibus decurrenti-
bus, lus(O- TNpr • pinnis ilieims elon^oto hnceolali^ ncuiis rectis paiulis bisi con-
indi plic itis SIJsum conductibus, bpidice inici fiondes jllas>que supennie eieto,
baccis olivncfoimibus auranus — *Slackifo,hoibe montana* Liebm mss — In Mexico
supet TepKongo

- 14 CH CATARA(TAAUM Mail I c adn f — Pumila (1—2) caudice ptrbrevi vaginis
incliiiso, fiondibus termmalibub erertis, vigina cluu^a sublereii, petiolo subtereti a mice
canaliculalo lhacluque dorso fascia nlba noialo, pinnis lineari-lanceohliu acuiis lectis
alierruo paiulis plicatis, bnsi infeuoie paulo decunenlibus, ihaclu aniico acutangula,
latenluit miigmala, spadicibu< basilanbii!) quam fiondes brevionbus, baccis mgis
ovnlibus — *btachyphoibe cataractanun* Liebm mss — Habitat in Mexico, in distr
Chinantla

V HYOPHORBE *Grtnr*

(Knih Enumer pi omn HI 175)

- 1 H AMARICAULIS Mmrt Hist natui Palm III 309 adn f- Caudice 50—60-pedali,
pinnis Imeanbus acuminatis, apice bifldis (2 longis, P/a' latis), nevis pnmarus sub-
leirns, subtus dense cl ngide palcolaiis, baccis ovalis luevibus obliquis — *SubhmW*
amancaulis Commtis mss III p 121 tab 42 43 — In msula Mauntii

VI EUTERPE *Mart*

(Knth Enumer III 177 — Wlprs Annal I 1003.)

- 1 EU BRBVIVAGINATA Mait Hist nat Palm III 309 adn f- Caudice elato (30-400
sriecto, frondibns numerosionbus (15—16, 10—12) patulis vagina brevi mox **triangu**
Ian in petiolum rhachi tnplo vcl qundiuplo breviorē attenuatis, pinnis concinnO'
pectinau* patulis linean-lanteolatis acuminatis, spathis senceo-tomentosis, exterior^{r0}
quam interioi quadruplo brevioie, spndice Hondo albo (frucifero corallino)?, **ba**c<<
globosa hmc stigmatibus excentncis, magnitudine globi sclopetarn minons — **Palms**
dactyhfera fructu globoso minor Plum Gen Am 3 tab 11—13 — In Marlinicae **re**-
giombus onentahbus

IX. OREODOX4 Willd.

(Knth. Enumer. III. 181.)

1. O. MANAELE Murt. Hist. notur. Palm. III. 310. adn. f — Cnudice grncili nequali (30'); frondibus pracler pnucas palcolas in pptiolo {jlohri; vagina totius frondis $\frac{1}{a} - \frac{1}{*}$ aequante, *ptiolo* vagiriam duplo supcranle, pinnis (in media froudo 2'longis, 2" latis) suboppositis aequidistanlibus antrorsum patulis lincnnbu*, in subulam acuminatis, nervo inedio supra acute prominulo, marginnnlibus laliu^culis, intermediis ulrinque 2—3. — Ilayii.

X. RErNHARDTIA Liebm.

(Liebm. mss. ex Mart. Hist. nat. Palm. HI. 311. adn.)

Flores monoici in eodem spadice, in rhachidis scrobiculis sessiles bracteati, masculi superiores, inferiores foeminei sparsi. Spadices axil' lares et terminates longissime pedunculati paniculati, pedanculo spatha brevi connata oblique aperta vix ad tertiam partem tecto, spathellis brevibus incompletis subulatis ad basin singulorum ram or um spadiceis. Flor. mascul. sepala tria imbricala concava carinata conctiaeformia obtusa; petala aestivatione valvata ovata acuta erecta. Stamina plurima e fundo corollae, filamentis perbreuibus filiformibus, antheris Jinearibus sagittatis basifixis. Ovarii rudimentum nullura. Fl. foem. calyx roar is. Petala lanceolata acuta erecta. Staminum rudimenta nulla. Ovarium tiigono - pyramidatum uniloculare. Stigmata tria sessilia patentia reflexa. Drupa baccaeformis monosperma, sarcocarpio coriaceo-fibroso, putamine tenui mernbranaceo cum testa non connato. Albumen ruminatum corneum, embryo basilaris. -r Caudex gracilis strictus. annulatus lae^igatus 20-pedalis. Frondes terminales (5—6') horizontales, petiolo ultrabipudali e basi vaginante rhachique subtetragona dense rufarachnoidep-lepidoto, pinnis pectinato-patentibus 1—iy_a' longis, V," latis lineari-lanceolatis acuminatis. Spadices erecti tripedales duplicato-lamosi, ramis fastigiatis, leviter flexuosis. Bractee minutae imbricatae coociivae, perigonium mentientes flores 3—5 arete circumdant. Fructus ^{ov}alis utrinque apiculatus 8''' longus, 5''' latus.

!• 'R. ELEGANS Liebm. mss. ex Mart. I. c. — In Mexico inter Chuapnn ft Tiutalcingo.

XI. ARECA Linn.

(Knth. Enumer. HI. 183.)

- §• 1. *Genuinae* v. *Guvacae* v. *Conversiflorae* Mart. Hist. nat. Palm. III. 311, r- flores masculi in ramorum latere antico conversi (binati). foeminei ^{ln} ima parte ramulorum dilatata. Drupa librosa, endocarpio crustaceo aut osseo.

¹. *A. CATECHU Linn. — Knth. I. Q. 184. no. 1. — Blume, Rumphia II. 65. f tab. 102. A. & lab. 104. — Mart. I. c adn<

². A. LAXA Hoinilt. Mem. Wern. aoc. V. 30. — Martius I. c. adn. f — Coudice mediocri 20—30' lumidulo, plerumque incurvo, nunquam stricto; pinnis lanceolntis ocutis inte* gerrimis aequidistantibus binerviis, plica quadruplici; spalha unica marginata; spa-

dice decomposito; Qoribus nwulis irinnilri«; rndimento pistilli nullo; fructu . . .? — In insulis Andaman.

3. A. NAGENSIS Griff, in M'Clelland's Calcutta journ. V. 453. — Mart. 1. c. adn. f — Caudice elato (30—40'); rhachi glabra, frondibus pinnatim flssis, pinnis linearibus acuminatissimis, terminali biloba llssa, laciniis bidentatis, jugaiarum basi inoequalier cunctotis; spatha unica; spadicihus ramosis; fructibns (l'altis, 5''' latis) ovalis, basi acutis, apice attenualis. — In Assamia, in colibus Nagan ad Qumina.
4. 'A. GLANDIFORMIS Gis. — Kntb. 1. c. 189. no. 14. — Blume, Rumphia II. 73. f t. 100. fig. 1. & tab. 121.
5. A. MACROCALYX Zipp. mss. in Blume I. c. 75. f t-101. lab. 160. a 163. D. — Caudice mediocri grncili (15—20'); rhachide subfurfuracea; frondium segmentis remolis lanceolato-linearibus acuminatissimis, superioribus apice praemorso-denlatis; spadice nutante simpliciter racemoso; fructibus congeslis ellipsoideis obtuse umbonalis.— Grescit in Guinea Nova.
6. *A. TRIANDRA Rxb. — Knth. 1. c. 184. no. 2.

§. 2. *Adscilae s. Spiciflorae* Mart. 1. c.— Flores masculi spicatim circumcirca dispositi, foeminei in spadice parte vix dilatata. *Dhipa bacciformis*.

' ONCOSPERMA Blume, Rumphia II. 97. — Sarcocarpium grumosum, endocarpium chartaceum; stigma excentricum. Rhaphe umbilicalis valde impressa.

7. *A. NIBUNG Mart. — Knlh. I. c. 185. no. 4. — Mart. 1. c. adn. f — *Areca tigillaria-iack* in M'Clelland's Calcutta journ. IV. 12. — *Oncosperma filamentosa* Blume, Rumphia II. 97. tab. 82. ft lab. 103.
8. A. HORRIDA Griff. 1. c. 465. f — Stolonifera: caudloe elato (30'—40'); petiolis rhachibusque fusco-squamulosis aculeatissimis; pinnis linearibus acuminatis ooncinnis patentibus; spathis 2 et spadice pedunculo aculeatissimis; floribus foemineis dense sub-3—4-verticillalis, mosculorum petalis lanccolato-oblongis cuspidalis; fructu globoso globuli sclopetaril majoris magnitudine. — Habitat in peninsula Malacca.
9. *A. MADAGASCARIEMIS Mart. — Knlh. 1. c. 187. no. 16.

' * OOSPERMAE Mart. 1. c. 312. — Sarcocarpium fibrosum vel carnosum. Endocarpium tenue chartaceum vel papyraceum. Stigma fere centricum. Rhaphe unrbilicalis parura impressa.

10. *A. CRINITA Bory. — Knlh. 1. c. 185. no. 5.
11. *A. ALBA Bory. — Knth. 1. c. 185. no. 6.
12. *A. RUBRA Bory. — Knth.I.e. 186. no. 7.
19. 'A. PUMILA Mart. — Knlh. I.e. 186. no. 8.
14. *A. MONOSTACHYA Mart. — Knth. 1. c. 186. no. 9.
15. *A. WALLICHIANA Mart. — Kntb. 1. c. 186. no. 10.

XII. K I H V T I A *Blume*.

(Blume, Rumphia II. 94.)

Flores monoici, in eodem spadice fasciculato-ramoso, spatha **triplici**, interiore incompleta cincto, in scrobiculis sessiles, bracteis **obsoletis**!

cum rhachi coafescentibus, masculi bini ad later* cujusvis foeminei. *Masc.* Calyx triparlitus, laciniis non inter se imbricafis. Corolla Iripetala, petalis in praefloratione valvatis. Stamina sex, filamenta ima conata, antherae lineares. Fistilli rudimentum. *Foern.* Calyx triphyllus et corolla tripetala dissimilis, praefloratione convoluta. Staminum rudimenta nulla vel obsoleta. Ovarium unijoculare. ovulo in fundo affixo. Stigmata tria distincta subsessilia. Bacca parce fibrosa monosperma. Albumen solidum aequabile. Embryo exacte basilaris. — Palmae rupestres: caudice elato gracili annulato inermi; frondibus omnibus in summo caudice confertis pinnatisectis, segmentis reduplicatis linearibus peclinato-dependentibus, apice passim inaequali-bifidis; spadibus infra frondium vaginas elongatas enalis subverlicillatis; sfolhis coriaceis deciduis duplicato-ramosis, ramis fastigiatis, ramulis undique in scrobiculis superficialibus flore uno foemineo minori ac binismasculis majoribus lateralibus colore stramineo obsessis; fructibus parvis, ovoideis vel ellipsoideis, ex luteo miniatis, cicatrice stigmatum verlicali, endocarpio cartaceo sive membranaceo cum nucleo hinc connato.

1. K. PROCERA Blume 1. c. f u 106. et 160. — Caudice procero; frondium segmentis linearibus, upice inaequali-bifidis, in nervo medio subtus ad basin paleaceo-setosis; calycum masculorum laciniis brevissimis; fructibus eUipsoideis. — *Areca procera* Zipp. — Crescit in Guinea Nova.
2. *K. SAPID A Mart. Hist. nat. Palm. III. 312. f— *Areca sapida* Soland. — Kntb. Enumer. III. 185. no. 3.
3. K. PARADOXA Mart. 1. c. adnot. f — Caudice humili (5—7') arundineo, sursum tomentoso; frondibus 6—8, vagina longa ferrugineo-tomentosa, pinnis inaequalibus oblique acuminatis plurinerviis; spadice siraplici reolinato glauco; floribus foemineis distichis; baccis conico-subulatis curvulis albis. — *Areca (Anacasmus aberrans) paradoxa* Griff*. Calc. Journ. V. 463. Anne hujus generis quoque *A. crinua* et *monostachya* — Habitat in sylvis densis Malaocae.

XIII. DITPSIS *Noronh.*

(Kntb. Enumer. III. 188.)*

- t. D. NODIFERA Mart. Hist. natur. Palm. III. 312. adn.f— Caudice...?; fronde pinnata, rhachi gracili, dorso lepidibus fuscis adpersa, pinnis (3—6) aggregatis oppositis e pulvinis magnis suberosis subglobosis, tandem cicatricosis, cuneato-lanceolatis oum acuroine longo acuto, glabris plurinerviis; spadice glabro decompositio ramoso; floribus parvulis. — *Phloga polystachya* Noronha mss. — *Owan* ab incolis dicta. — Habitat in Madagascariae ora orientali.

XIV. OVLJKNJLA *Blume.*

(Kntb. Enumer. III. 192. [excl. spec.?] — Mart. Hist. nat. Palm. III. 312.)

Monoica in eodem spadice. Flores sessiles minute bracteati, foeminei in inferiore parte spadice, masculi foemineos per paria slipantes, sursum solitarii. Spalhae duae, exterior bicarinata, superne aperta, interior clausa lignescens, ventre hians. Fl. mascul. Calyx trifidus. Corolla [fipetala, aestivatione valvata. Stamina 3* aut 6. Rudimentum pistilli. F" foemin. Calyx et corolla triphylla, marginibus leviter inbricatis.

Staminum rudimenta, basi connata minuta Ovarium 3-loculare, loculis duobus abortientibus Stylus subnullus, stigmata 3 subovata aut tandem coarctata Hucusque baccato, semine unico endospermo tenui crustaceo adnato, stigmate excentrico subaxillari. Albumen carnosum non ososum aequitibus tribus laevibus. — Palmae meimes taudice solitane dense annuatae, frondes pinnatae in comae densae pinnis duplicatis extremitate oblique et praemorsis Spadices inter frondes duplato-ramosi, lobes obovati, nervulus lobosus albidus vel niger

1 O MAUIOCLADUS Mirb I i f l 177 fig 1 — Pinnae striatulae, subtus albido-lepidotis, lobis nervis hexangulis, nervibus illiculo-pallidis, embryone basi propiore — *Maaocladus lylviata* Griff in M CMhndb Cnlcutn Journ V 490 — Molucca

I *O RLGVIfe Bluine, Rumphia II tab 85 — Knth I c 193 <idn

XV SE%FORTHIA R Br

(Kmh numer III 189 - Mart Hist nit Palm III 313)

§ 1 *Spicanthae* Mail I t (*Ptychospeima* Labill) — *Spathae plerumque gemmae, flores spicatum dispositi Albumen ruminatum*

1 S LLLGANS R Bi - Knth I c no 1

i *S PTYFOSPERMA Mart — Knth I c 190 no 2

3 8 CAI APPAHK Marl I c 313 adn f — Caudice elato (40), frondibus pinnatis obscuro viridibus, rachis pinnisque concinns linearibus acumatis biparvulis bisulcis nudi bidentatis pluinerviis, subtus lepidotis, spadice bispathato duplicato - inmoso, ramis laxis incrassatis, florum nervis liliaceis petalis oblongo-hincelais obtusiusculis, fructuovi gillinteci forma el migmiudine, piumine tenui crustaceo duo — *Ihnanga calappana* Rumph, lib Ami) I *8 — *Areca calappana* Ulumo, Rumphia II 68 tab 100 Fig 2 — *Aieca cocoidet* Griff (alcutta Journ IV 454 — Habitat in Celebes et Amboind

4 S LATISFCTV Mirt I c adn f - Caudice mediocri, frondibus pinnatisectis, rachis lepidoto-punitan segmentis hincelais hincelais nunciatissimis, intermedium bifidis, teretibus latissimo, apice truncato inciso-deniato, spadicebus longe pedunculatis erecto-patentibus trifidis, fiuctu (immauro) elongato-ellipsoideo acutiusculo hevi — *Pmanga laUsecla* Blume, Rumphia II 78 tab 108 fig 1 — Habitat in Sumatrae montibus sylvis densis tectis

§ 2 *Orthostichanthae* Mart I. c — *Spatha plerumque verisimiliter unica Flores in spadice (saepo inflorescentia) orthostichas conspicuas constituentes aut per verticillos aut per spiras paucorum membrorum Flors masculinae sepala basi connata, margine vix imbricata, rudimento pistilli bivi vel nullo Albumen immixtum — *Ihnanga* Blume [ex p.], — *Seaforthia* spec no 3 4 5 b 7 9 Knth. I c.*

5 S COCHINCHINENSIS Mail I c 313 ndn + - taudice mediocri (10 alto, l'Alto crasso) pinnis disantibus triplicatis nunciat modo acutis modo praemorsis, spadice immixto, nervis inasculis subulatis aequalibus quam petala brevibus, laminibus 24, frondibus

- oblongo acutuuculo subpollicenn — *Aieca syives/m* Lour Flor Goch (ed W) 696 — *Seafoitlua sylvestris* Blitant — *Ptinnqn CochmUnnensis* Blume, Rumphia II 85 — **Habitat** in J>IM<< Cochinchine
- 6 S (OSFAIA Mart I c adn f— Caudice mediocn (10—15), frondibus pinnatiseciis, iljclii ^Jibuusculi segmuis ulnnqut ->ub-6 I ilcoio -lanceolatis acuinmatissimis, siimum ajiice inciso -ilcninus hasiqut subaeqinli cuneaiis, spadicibus nutaniibus, nmis 5—7-ius fi^tigiuiis leuoflevis, fiutubus ellipsoitleo-aculiu^culis costatis — Affinis est s *Malmanac* cui nimn fmcius majores, nec costati — *Pmanga costata* Blume, Rumphia II 80 fib US — **Habitat** in Ja<ie occidentals sylvis
- 7 S MINOR Mail 1^; idn J — fiudico buinili (7—10), frondibus pinnatiseciis, rbachi ghbnusculi, eegmtniis utioque Iuere 9—11-rut. line ui -hncoolatis acummalissimis, summit npice ti uricato dtntuis spadue pendulo bi— tufflo, fruciibus elongato-ellipsoideis obtusiusculis lievibus — *Ptnanga nuno* Blume, Rumphia II 86 tab 114 — **Habitat** in msuljo (elebes piovmciae Goionlilo s>|is
- 8 S PATULA Mm i li adn + — faudice liumili (6—7), frondibus maequaliter pinnatisectis, ihachi suMuifurncei seginenUs ulroque hleie 4—7-nis paulis fnlcolo-lanceolui<> denminaiisMmH, summis apice iruncato -donltlis basique aequali vel maequali iitenuatis, <padite auccio <aut pendulo bi— tufflo, fiuclibus ellipsoideis aculia obsolete siruus — *lhnanqa patula* DJume I c 87 lab 115 — **Habitat** in msulae Sumairae sylus monlanib
- 9 b M3RFURACLA Mail I c adn f— Caudice humili (3—4), frondibus pinnatisectis, ibadii dense furfuraceo-iomeniosa, segmenlis ulroque laieie sub-6-nis ereclo-paieniulus linean lanccolaiis icuminatisMinis, apice extrorsum subbidentnlis, summis apice dent Uo-liuncalis bisique atqinh-cuncnus, (opihi9 2) spadice arrecllo (aut reclmalo) lufflilo, noiibns mnsenlis pol\ lmlm, fiuclibus ellipsoideo-aculiusculis laevihus — *Vtnanga fin (w act a* Blumo 1 c 89 lab 116 — **Habitat** in msulae Celebes parte occidentali, in sIVH udis
- 10 S INAEQUALIS Mirt I c adn + — Cnudice humili. frondibus pinnatisectis, rbachi furfiraceo-lcpidotn, segmenlis ulroque lnere 3—4, raro paucionbus, erecto-paientibus (main lanceolaii!> falentis acummaiis^imis, summis apice truncalo-dentatis basique maequali cuneaiis, spndice infldo, fiuclibus ellipsoideis oblusis laevibus — *Pinnan tj a maiquahs* Blume 1 c 91 — **Habitat** in insulae Celebes parte occidentali.
- 11 S ^AliriFOLIA Mait 1 c adn f— Caudice huroili (3—4), frondibus pinnatisectis, rhaclu dense farfuiaceo-tomenlosa, segmenlis utroque lateie plus quam 30, patentibus anguste Imean-lanci olntis acuminatis marginatis, summis apice truncato-dentatis, ^{bas} subimequnli allenuatis, spadicibus ? — *Pmanga sahctfoha* Blume 1 c. 93 — **Habitat** in insula Borneo ad Huvium Rarrang-mtang
- 12 S ? VLSTIARIA Mart 1 c — *Aieca vesttana*+*Giaecke* — Knth. 1 c 187 no. 15
- 13 S faESIA Mart I c — Rhachis tnquetra, postice in dorso convexa, ner?o excur-^oenie pium prominente, supra utrinque sulco levi obsoleto ab insertions aegmentorum descendente, scginenla inlenoia quatuor pollicum intervallo distanlia fere 2!/> l>edes longa, circiter l!/> poll lata, lineana acuminata, nervis primams terms crassis, stM'ia acutaiis, ihachidis apicem versus duobus tantum pollicibus inter se di<juncla ^subopposita, longiludine amplius dimidio decrescentia, nervis primams 3—4, et utnn-^{ue} terminate nervis b—7 longiludmalibus, apice iruncato in totidem lacimas l'A—2 poll longas lineares obtusas bideniaias flsso, cuncia inter nervos praesoflim ad basin vnlde plicata conacea, subtus caesia atque ibi nervis pnraanis secundarusque **Aliforma**-promineniibus aliisque subillioribus longuudinalitei striaia" — In Java?
- 14 S ? (ARECA Zipp mss) COMMUNIS Blume 1 c 73 119 — Species viz nota

S- 3. *Drymophloeus* Zipp. — Mart. 1. c. 314. — Spathae pedunculaneae
3—4. *Sarcocarpium pruriens*. Albumen aequabile. Verisimiliter distincti
generis stamina. (Knlb. Enumerat. III. 191. 192. no. 11. 12. 15.)

15.S.(DRYMOPHLOEUS) OLIVAEFORMIS Mart.I.e.314.adn.f—Caudice subelato(20-30'),
rhachi pinnisque cuneato-oblongis plurinerviis antice eroso-dentatis, terminali maxima
flabelliformi, subius in nervo medio fusco-iomeniosulis; spathiis 3; spadice simpliciter
ramoso; floris masculi petalis oblongis acuiusculis calyce duplo longioribus (atamini-
bus 30 — 45); fructu ova to venice umhonato (9'''), baccato, albumine aequabili. —
Saguaster minor, *Nibun Kilsjil* Rumph, Hb. Ami). I. 67. tab. 15.4- *Areca olivneformis*
Gis. — *Iriartca* () *ieprosa* Zipp. — *Harina Rumphii* Mart. — Knth. I. c. 194. no. 2. —
Areca elaeocarpa Reinw. — *Ptychosperma Rumphii* Blume, *Rumphia* II. 119. tab. 83.
ft 156.— Habitat in Amboina, ubi *Palun* s. *Parunmaun* dicta; Bali, ubi *Pedy*, Ternate,
ubi *Docka*.

16. S. (DRYMOPHLOEUS) ANGUSTIFOLIA Mart. I c314.ndn.f-Gaudice mediocri (12—15');
frondium segmentis anguste cuneato-lanceolatis, apice oblique truncato eroso-dentato
antice subulato-acuminatis, summis brevioribus truncato-obtusis; spadice ramis infe-
rioribus furcatis; baccis ovoidis cuspidatis. — *Ptychosperma angustifolium* Blume 1. c.
122. (ab. 156. — Habitat in Nova Guinea.

XVII. CBROXYEtoHT Humb.

(Mart. Hist. hat. Palm. III. 314.)

Polygamo-monoica aut dioica. Spadix ramosus. Flores in pedicellis
noduliformibus bracteati. Spathae plures completae. Calyx tripartitus.
Corolla Iripetala (aevlivatione masc. subvalvata, foem. parum imbricata?).
Masc. Stamina (6?) 9—15, ex ima corolla, antheris basi bifidis erectis.
Rudimentum pistilli. *Foem.* Stamina antheris nullis aut effoetis, Ovarium
triloculare, oculis 2 abortivis. Stigmata 3 acuta. Bacca monosperma,
came gruinoso, semine venoso. Embryo in albumine aequabili basilaris
aut subbasilaris. — Caudex in 2 spec, praeallus, ceraceo-incrustatus.
Fronde pinnatae, pinnis reduplicatis subtus lomentoso-albis aut lepi-
dotis. Spadices inter frondes duplicato-rumosi, ramis post florum lap-
sum nodulosi.

1. C. ANDICOLA Humb. PL. aequ. I. tab. 1. — Mart. I. c. adn.f— flaudice aliissimo, su-
perficie cera incrustata; pinnis linearibus acuminatis bifidis, subtus dense lomentoso-
argenteis; flor. masc. staminibus plerumque 12 (14, 15), tribus cum petalis alterna-
tibus paulo crassioribus, antheris acutatis (foem. staminibus rudimentariis nullis*:
Humb.); bacca violacea. — *Iriartca andicola* Spr. — Knth. Enumer. III. 196. no. 7. ~''
Habitat in Quito in motile Quindiu.
2. C. KLOPSTOCKIA Miirt. I. c. odn.f — Caudice altissimo, superficie ceraceo-alba; pinnis
linearibus acuminatis subtus pilis densis albis; flor. masc. staminibus 9, binis
petalis, singulis sepalis antepositis; flor. foem. staminibus antheris sterilibus indehis-
centibus; bacca corallina. — Habitat in Venezuelae sylvibus allit. 5000' et ultra, ibi
Palma de Cera s. *Real* dicta.
3. C. AUSTRALE Mart. 1. c. adn.f— Caudice mediocri; pinnis aggregatis, gregibus sub-
alternis, linearibus acuminatis, subius in nervis tenuibus crebris lepidotis indehis-
centibus; florum foem. «epalis acutatis, petalis laevibus et suborbiculari-ovalibus acutis
plurinerviis, staminibus antheris 6. — Habitat in sylvibus densis montium editorum
sulae Juan Fernandez.

•ARECIIUI CARYOTINAE Mart. 1 t 315

lloium focmineoium coiolla valvata Spadicm anthe^i*; rontnfuga
 l<<ill Calcutta journ V 447.)

Will W4LLIICH14L lloxb

(Man Hist nai Palm HI 315 — Hanna Hamilt — KnUi Lnumei IH 193)

V 1 *ttanna* Hamilt, (Knth 1. c) — Palmae subacautes polygamo-rno-
 noicae Flores imsculi densi calyce monophyllo, stamimbus sex

¹ *W < ARYOIOIDES Rst> — Marl I c - *Hm ma caryotoules* Hamilt - Knth 1 c
 no 1

* W (HARIMA) DrNSIFLORA Mail Hist nat Palm III 190 f — bubacaulis pinnis
 subius albidis, imis binatim fisciculalis reliquis solitarus linean- oblongis, basi bie-
 viler cuncitis integemmis, caecium sinuoso -lobajis denialisquo, utplunnum eroso-
 scrratis obtuse acuminatis, florum foem dense (div %) dispositorum bractea oblie-
 rota, alabistro globoso, corollae segmentis obtusis depressis, ovno brevioribus —
 1>*allichia oblongifolm* Gmf in M rielhnd s Calcutta journ V 486 — In Assamia
 1 modi

S 2 *Otania* Blumc —Marl \ c 315 — Palmae caudice aiundinaceo aut
 Slibicaulcs polygamo-dioicae rioies mascuh laxiusculi, calyce subtn-
 phyllo, stamimbus indefinite

¹ W PORPHYROLARPA Mail 1 c 315 tab 157 — *Otania poiphyiocarpa* Blumc —
 Knth Lnumer HI 193 no 1

¹ W NANA Gmf* mss ex Mait 1 c adn lab Z XI (1^ 11 f - Caudice arundinaceo
 (3—5), pinnis subquims opposite oblique obovitis trapzoideisque Irropulauter loba-
 Uh et dentnlis, antioisum spinuloso -denticulatis subtu9 glauco - albidis , spadicibus
 ferrugineo-tomentosis intra spal/ias compresses fertilibus (npice masculis) subsimpli-
 tibus, Qorum masc calyce uiceolau lobis subimbncntii, stamimbus sub-14, baccis
 °longis submonospermis albis — Habitat in Assamia in-fcnore ad Gowahatty

⁰ vv HORSFILLDII Illumo, Rumpna II 112 — Mart 1 c ndn f— Subncaubs fro^iuni
 u ni maxima, segmentis lanceolatis medio irregulariter praemorso-seiatis, spalibus
 a xiltentibus (diversi sexus, spalhis plunhus obvallatis), nonius raasculis polvandns
 'ormincis tngyms — Habitat in Java australi Incolis *Mendo*

⁶ * W TREMUIA Mart 1 c adn — *Caryota tremula* Blanco — Knth Enuraei III 594

¹ ^ GAUD ATA Mmrt 1 c adn f- Caudiçe arundinaceo (8) aicte annulato, pinnis cu-
 ne' ionnibus subplicatis, antrorsum irregulariter oblique truncatis rolundatis lobatis^e
 °t caudius denticulato-erosis, spadicibus (dioicis) simplicibus, florum misc calyce
 "•phjllo, stamimbus 15 — 30, baccis subglobosis semipolhcarihus tnspermis — *Bo-
 ras ms caudalus* Lour — Knlh I c 224 no 5 — Habitat in sylvis Cochmchinae ubi
 L V *Duoi rhout* dicitui et in Siani

"I

\I\ AREHTGA *iabill*

(knlli Lnumci III 1% Saquerus Rxb >

- 1 A SACCHARIC rila Libill — Kmh J c 197 no 1 — Peliolis inermibus, frondium segmentis lincau-hnccohlis, Insi uni- \el suhliiauculatis, subtus nlbidis, spulicum lamis clongnUi* fisitg-ialis pendulis, biccis tmbinato-globo9is — *Dc Arbore Gomouto s Saguwcnfna* Valent — ^ayueu of Gomulo-boom Valent — *Palma Indica vinana secunda*, *Sagucuis swc Gonwlus* Rumpfi — *I late spec* Hoüitt — *Anou Marsd* — *BOMISSUS Gomutus* Lour — *Oamutus saccharifo* Spi — *Sagueuts Rumphn* Roxb — *Sa-jucrm sacchanfei* Blume, *Rumphia* II 128 t ^{nI>} *23 124 — *Cmyola onusta* M Blanco — Knth 1 c 594 — Ciscit in insulis Archipelngi Indici, Moluccis et Philippine, in Coclunchina ci Siam
- 2 A OBTUSIFOLIA Mart — Knth I c no Z — Peliolis spmosis, fiondium segmenlis lanceolato-lincaribus, basi biaunculatis, subtus glaucis, spadicum lamis brevibus la\is nutantibus, baccis ellipsoidcis — *Gomutui obtusifohus* Blume — *Saguerus Langkab* Blume, *Rumphia* II 131 f tab 96 & H5 — Ciscit in insula Ja\ a
- 3 A WLSTLRHOUTH Guff in M Clelland s (tiluutn jouin V 474 — Caudic* elai0 (40), peliolis incimibus, pinms alternis bifams lincitnbus, basi urn- vel exaunculatis, apice non allenuato truncalis, snepius bilobis vancque dcntatis baccis globosis, vertice de-
mu esso subinlobo — Mihecca, Pinang
- 4 A VVIGHIIT GnT 1 c 475 — Sobolilon caudite liumili (3—8), peliolis mermibus pinms allot nis lincinbus, btsi bnunculatis, iuuucula mfciiore maxima, apice atienuato eiosis inacqualiier bilobis, spidicis lamis subfasugiaiis, llorum foemineorum siamini- bus stenlibus phinbus, semine venoso — In India Cisgangelica (Coimbatore)

\X CARIOTA *Linn*

(Knth Lnumcr III 198 — Mart Hist nat Palm III 315)

- 1 'C MAXIMA Blume — Kmh 1 c 199 no 5 — Blume, *Rumphia* II 136 f tab Ib3 C
- I 'C PROPLNQUA Blume — Knth 1 c no 4 — Blume I c 138 f tab 155 & 162
- 3 T FURFUR\C1 A Bl — Knth 1 c 199 no 6 - Blume 1 c 141 t
- a *phcala* Bl 1 c 142 — Frondium segmeplis Jpproxiniaus subimbncatis ph- cans membianacco-conacejs — *Lmyota urens* (non Linn) Herb Reinwidt — Crescit in insula Java
- ^ P *cuuduta* Bl 1 c — Frondium segmentii> pjeniibus oblique tuanganbus aut diffidiato-rhombeis longe cuspidtis conaceo-membranaceis, florum masculorum alabasins ellipsoidcis — *Cm Jaianica* Tipp — *Inartea* sp Herb Zipp — *Thuetsenkwa pectosa* Hcib Korlb — Crescit in Java et Sumatia
- Y *fuicaia* Bl 1 c 143 — Frondium segmentis praecedentis, spadicum ram)* Infenonbus luicatis aui subiamosis — Crescit in insula Java
- t C CUMINGII Lodd inss. e\ Mart 1 c 315 ddn +—Pnori diagnosi addatur caudice mediocn (20—24'), spadicis rliachi ramisque gracilibus fusco-paleaceo-birtis, florum masculorum (ultra 2 longis) sepalis flmbnaiis, baccis (magnitudine Gerasi majon*) monospermis — *Caiyota wens* Bhnc0, Flor Filip 740 — Habitat in insuhs Phl'P* pinis ubi *Taympan* tagalice

* * * ABECIN4E ALVEOLAHES Mart. 1. c. 316

XXI. BETVTOJCKIA *Bory.*

(knlli Lnumcr III 227)

t // HLNDA Mail Hist dat Palmar III 31b tdn -f — Pmms lineari-ensiformibus obtusiuscule et iriaequalilei bideniatis, subtus caesiis., spadicibus ceinuis vel pendulis, flonbus lhvo-virentibus — *CytosLachy** Henda Blumo, Rumphia II 101 tab 120 — Habitat in India onentali ad Travancorc

XXII. CHEOVOIIL *Wtld*

(Knth Enumcr III 228 — Wlprs Annal I 751 ft 1001)

S 1 Spadicibus mascuhs duplicato - aut triplicato-iamosis

(Spec Knth no 1 2 3 4 5 12 19 20 0c Wlprs no 2 7 9)

1 G MEXICAMA Liebm mss & Man Hist nat Pnlm HT 316 adn f— Caudice brevi \ngims foiorum tecllo, folus terminalibus interrupte pmnatoflssis upico bifldis, pinnis suboppositis Jale lanceolalis falcais longo acuminaus aculis levilor plicalis, petiolo poslice convexo, antice levitei canaliculaio, rhnchi aniico acutnnguln, posiico convexa , spadicibus pamculato - mulufldis pubentibus, ramis cernuis, floubus 3—5-fams, laxc irabncatis, baccis ellipticis obliquis — Habitat in Mexico alt 3000'

S 2 Spadicibus masculis simpliciter ramosis, lanssime quoque simplicibus

(Hue pertinent species reliqufte locis ciaais enumeratae)

XXIII. ICtUABTORA *Blume.*

(Blume, Rumphia II 105 t 117)

Hoies polygamo-monoici, in eodem spadice simplicissimo, spatbis duabus tubulosis incompletis cmcto, e foveis subbilabiatibus emergentes, jjiascuh vel hermaphroaiti bini, foemmeos smgulos stipantes. *Masc.* Calyx tnpnyllus, foliolis imbneatis. Corolla profunde tnpailita, segmentis >n praeflqratione valvatis. Stamina sex (rarius novem), filamenta ^bulata, ima cohaerentia, antheiae Imeares Pistilli rudimentum *Foem.* Calyx in- aut raro diphyllus et corolla Inpetala, praeHoralione imbneata. *Staminum* rudimenta castrata Ovanum uniloculare, ad basin bims rudimentariis suffultum. Stigma simplex sessile. *Hermaphr.* Calyx, corolla et filamenta ut in *Masc*, anlhens coidato-oblongis. Ovanum *triloculare*, stigmatibus tnbus, conniventibus obsessum. Bacca carnosa *mono*sperma. ..Albumen — Palma pusilla: caudice arundinaceo *t*annulato inermi; frondibus subterminalibus pinnatisectis, petiolo- *r*u basibus elongatis, tandem uno latere longitudinalitei fissis atque *d*uentibus, segmentis cuneatis, antice oblique truncatis et erosio- *d*entatis, spadice inter frondium bases emergente, spalhis duabus mem-

bianaceis, spadice increscente apice perforate, in ejus pedunculo saepe persistenlibus, indiviso, antice undique foveis marginis bracteaefoimi trai^eisc luvulvi cinctis exsculpto, quibus flores glumacci Miiduli biacleolis circumdali inimcisi sunt, fructibus baccatis ohvaefoimibus albicanhbus

1 r LEUCOCAKPA Illume I c lab 117 — Mart Hist natm Palm III 317 adn — Fiondium iliacln fuifuncco -lui&uln, pinnis subtrapezonlus lutihombcis, supcrioiibu* obtusii^culis, spadice subsunplici, baccis olivaefoimibus albifis — Habitat in Sum Uiae sylvis monnnis

1 I GEONOMAI FORMIS Mart Hist nat Palm 1H 229 f tib 178 — Fiondium rhatln fuifuincca pinnis ohlongis cuspidatis, spidice sicpc simpliciter rimoso hacus ovioo - oblongis violnsconubus — In sylvis Malaccie

XIV C% LIPTROCALIX Blume

(Dumc, Rumph II 105 f t 102 D t 118 ft 161;

lloicb poljgamo -monoici, in eodtm spadice simplicissimo spallia bimplici incompltta cmcto, sub bracteis squamaefoimibus foveis lliacheos lmmcisi, masculi conjugati in parte superioris aut bini foeminos \el hermaphrodilos singulos slipantes. * Calyx tnphyllus, foholis cucullatis, arcle imbncatis. Corolla profunde tnpartita, segmenlis in praefloratione valvalis Masc Stamina ciebra, filamenta subuhfoimia, m fundo corollae confluenti, antherae Jmeares Pistilli rudimentum nullum. Foem Sla# minum rudimenta nulla 0\anum incomplete tnloculaie StiLma* simplex sessile Hermaphr Stamina complura. Ovarium uniovulatum, apice in sl\lum bievem attenuatum Stigmata tna, coalescentia Bacca cxsvicca giu mosa mono^peima Albumen . .? — Palma clata- caudice annulato JaeMgato, frondibus terminahbus pinnatisectis, petiolonmi basibus marline tandem in fibias fissilibus, segmentis ieduphcali^s lmtanbus acummatis, apice inlerdum bifidis, spadicibus elongalJt* spicaefoimibus, inter frondium bases dechnalis, spatha loneitudinalitici apeita conacca, in pedunculo dm peisistenle, flonbus in lliacheos excavalionibus sub squama peisistente leconditis glumaccis, bracteolis cinctis, fiuclibus subglobosis, ex luteo-aurantiacis.

1 *C SPICATIS Blumo I c — Atcca spicata Lam — KntJi I numei III 187 no W — luleipe qlobosa Grim — Rmph lib Amb I 38 t 5 flg 1 A — Habitat in \niboim

Tnbus II BORASSINAE Mart — Knth 1 c 221

XXV BORASSUS Lmn

Knth Fnumei III 2Z)

i B DICHOTOMA White jn Giab Cat Bomb pi (1839) no 22b — Murt Hist natur Palm III 318 adn + — Gaudico dichotomo, diupis duns, cm foisan adscubenda «^{rik} B tumcata Lour, species est parum nota, sed leste Joan Roth jam pumo Miltudisun* guendi — Geteium B flabcllifounts mouslra dicholoma aut iiregulauter romos* i., Coromandelia (e g ad Masulipatam et Chicacole) videntur baud ita raro pi ovenire. Has arbores, quasi agiorum custodes et boms propilias, incolae veneiantur, ~~sancti~~ lice hnlpavroothum dicta*! — Habitat in Guzerat et in insula Dm

XXVII I IODOICE * *Labill*

(Knth Lnumei HI «#5)

- 1 1 SLCHIELLARUM Labill — Knth I c no 1 — Van Ilouile Hoie dessenes ^
tab 523 524 525 52b

Tnbus HI *CORYPHINAE* Knth 1 c 235XX. CORYPIA *Linn*

(Knlh Enumer III 2J5)

- 1 t GhBANG Man — Knib 1 c 237 no 4 — *C Gebanga* Blume, Rumphia II 59 f
lab 97 98 & 105

XXXI M C U A I i A *Iimph*

(Knib Enumer III 238)

- 1 *L SPINOSA Wurmb - Knth I at 238 no 2 — Blume, Rumphia If 39 + ml,
82 tt 88 . I T n̄
- i L IIORRIDA Blume 1 c II 41 f tab 89 flg 1 — Petiolis ex toto spinosis, frondium
segmentis 11—15 apice grosse dentatis, intermedio reliquis subaequali — *L ramosa*
var (3. Blume — Grescit in insula Java
- 3 ' L RUMPIUI Blume, Rumphia II 41 f t 8» flg 2.—*L spinosa* Blume in Schult Syst
vegci VII 2 1301 — *Corypha Licuala* Lam Encycl II 131 — *Licuala* Rumph Hb
Amb J 44 tab 9 — ft Knth 1 c 239 adnot
- 4 L (CORYPIA Loin Fl Coch I 265) PILLARIA Blume, Rumphia II 42 f - Petiolis
inferne spinosis, frondium segmentis hinc - cuneiformibus sub-15, apice dentatis
intermedio reliquis subaequali (?), spadice simpliciter ramoso elongato, fructibus
subglobosis — Crescit in sylvis Cochinchinae
- 5 J ELEGANS Blume I c tab 90 — Petiolis ultra medium spinosis, frondium segmen-
tis 20—24 apice dentatis, intermedio subangustioribus, spadice inferne subdupli-
cato - i superne simpliciter ramoso, petiolis longioribus fructibus ellipsoideis — Crescit in
Sumatra
- b k PUMILA Blume — Knth I c 239 no 4 — Rumphia II 43 f tab 91
- 7 * L GRACILIS Blume — Knth I c 240 no 0 — Rumphia II 44 + t 87 a 92
- 8 j NA^A Blume, Rumphia II 46 f tab 93 — Petiolis inferne spinosis, frondium seg-
mentis 9—11 apice dentatis, intermedio latiore, spadice petiolis multo longiore dupli-
cato-ramoso, fructibus tubinatis-globosis — Crescit in insula Sumatra

XXII PERICYCIA *Blume*.

(Blume, Rumphia II 47 f tab 94)

La] I^ lores hermaphroditi pedice Uati Spathae complures incompletae
yx turbatus indentatus. Corolla infida Stamina sex, inaequa-

lia, filamenta in tubum tnlobuin ud faucem intus antheriferum connata
 Ovana tua cohacicnlia, o\ula veilicc in cxtremitate infenori affixa
 Styli conndli Sti&ma tndentatum Bacca abortu solitana monospeima.
 Embryon basilare — Palina clc^ans htorahs caudict clato gracili laevi
 gato, frondibus leiminahbus flabelliformibus palmaliscLis, scgmentis
 plicalis, apic< jnciso-dentatis ^Spadices laterales paniculato - lamo-
 sis&iini

- 1 'P (LICUALA Zipp, mss. — Knlli Cnumer pi omn III M0>) PLISDULII LOKA
 Blume 1 c f nb 94 — deceit IH litonbus Novae Guineac

XXXIII MVISTOSTA R Br

(Knih Enumer III 241 — VVlprs Annal I 751 — Mart Hist naiui Palm III 319)

- 1 I 01IVAI FORMIS Mart 1 c adn f— Mediocns folnsgbns (pculo siibiiiffoacule
 no, iculcis reduncis 1—3 , suisum nullis), udns (12—15 longis) profundo biparillis,
 hi inns 18—24) lmoanbus acuminali^imis longissimis pendulis (flis nullis nut bre-
 vi^imis interjLciis, parlo indivisa coidata), fruclibus olivacfoombus solitarjis ranus
 g<minis ulna medium connalis — *baubus suhglobosus* Hsskil — Grescit in insula
 Java
- 2 I SUIIGIODOSV Mail 1 c idn f—Mediocns folns glabns, iidns (10—12 longis)
 bipiiiius, lacinns (9—10 longis) hncanbus icummaiissirais pendulis, fiuciibus sub-
 globosis solitaiiis gcmnis tcinisve — *Saubus olwaeformis* Hsskrl — Habitat in Java,
 ubi *Sc dang an* dicitur

XXXVI COPERHTICIA Matt

(Knih Cnumci III 242 — Wlprs Annal I 1005)

- 1 C MARITIMA Mart Hist nat PMm III 319 adn f— Caudicc elaiioic (30—40) nudo,
 pctiolis incimibus, laminis ytrmquo vindibus prolunde p ilmito - mullifldis, lacinns
 hncanbus obtusiusculis apice billdis flis inleijectis, splnhis hinc icutis villosis, quam
 spicac llorum cylindiacco-conicae oblusic dense inulilloiac subdimidio breMonbus,
 tal^ct subscmiiilUlo albido -sencco coiollam (3) dense lanuginoso-albam dimidiaiii
 acquante — Habitat m litlore ausliali inbuhe Cubne

XX YV B R A H E 1 Matt

(Knth Enumci HI 244)

- † 13 CALCAKC\ I icbm mss in Mirt Hist mtur Palm III 319 adn f— Diffeit \$ *Br
 dula* caudice altiore (20), frondibus flab«llato - inultiparlitis plicalis bifldis, fllo nullo
 inlcrjecllo, pctiolis margine mtegeciuinis, interne glabns, sp idiciT)ii» longionbus (10)
 inmulis llexuosis pendulis (6—7) multo longionbus — Habitat in Mexico in montibu?
 rnlcneis ad Xalcomulco, alt 2000

XXXVII TRITHRIXAX Mart

(Knth Enumei HI 217)

- † PR ACLLEATA I lebm inss in Mai t Hist nat Palm III 320 adn f— Caudice medio-
 t-', fragmentis frondium tecto, verlicem versus aculeato, frondibus termmahbus pal*
 maio muhifldi6, pinnis basi induplicaiis apice bi— m— plunQdis, flis sparsim inter-

jettis supra pallide viudibus, sublus albidis, petiolis inermibus antice concavis, postice convexis, spndicibus inter frondes cernuis paniculato-multiramosis, a pa this basllanbus 3—4 albidis dense lannlis apice aperlis, infenonbus intordum apice fimbrintio — Habitat in Mexico occidental! in bambuseti*

XXXIX RHAPHIS *Linn*

(Knth Enumeral III 281)

- 1 RH HUM IL IS Blume, Rumphia II 54 f — Petiolis incrmis, frondium lacimis primarus 7—10, raio plunbus in ultra dimidmm orbis expansis palulis — *Chamaerops excelsa* vai *P humiloi* Thunb — *Ci humihs* Thunb Herb — Ciescit in Japoma
- 2 RH MAJOR Blume 1 c 55 -| — Petiolis meimibusj, fiondium lacimis primarus encitci 20 in dimidium orbis expansis eieto-paicontihus, spadice patulo — Crescit m Jiponn
- 3 RH JAVANICA Blume | c 5b f — Petiolis merznibus, frondium lacimis primarus 11 — 13 in dimidium orbis expansis erecto - patcnlibus — Crescit in monlanis Javao occidentalis
- 4 RII COCHINCHINEsIS Blume 1 c f- Petiolis spinosis, frondium lacimis obtusis, spidicc crccto — *Chamaerops Cochmchm&nsis* Lour — Crescit in sylvis Cochinchinae

XL, THBINTAX *Linn*

(Knlh Enumer III 252)

- 1 TIIR ' CHUCO Mail Histor nat Palm HI 320 f — *Inthrmav Chuco* Mart — Wlprs Annal I 1005 no 1

Tnbus IV *PHOENICINAE* Mart. — Knlh 1 c 254XLI PHOENIX *Linn.*

(Knth Enumer III 254)

- 1 PH OUSELEYANA Griff in M Clelland s Calcutta journ Y 347 — Mart Hist nat Palmar HI 321 adnf— Caudice brevissimo bulbiformi, div ^{la}/« squamnto, frondibus 2—3-pcdalibus, pinnis aggregatis lineanbus acuminalis conduplicetissimis angustis, spadicebus pedunculis valde compressis, foemmeis spathas(10) multoties superantibus (2—2V₂) — Habitat in India onentali

Tribus V *COCOINAE* Mart — Knlh." 1 c 258XLII JMBSJKOirCtTS *Mart.*

(Kntb Enuraer III 258 — Wlprs Annal I 1005)

- 1 ^D CHFNANTLENSIS Liebm mss in Mart Hist Palm III 321 f — Caudico ingenti flexuoso as(*ndente et subscandente, densissime setoso - alculeato, frondibus altrni*; remotis, petiolis basi vaginantibus, dorso convexmsculis, antice applanatis, aculeis mionbua rectis compressis minonbusque teretibus nigra e basi nodosa obsitis, pinnis

angulata iggiegiis paiulis elliptic!*, basi \a\de pluaiis, antice juxta neuim \cu leans npice icnmmalis aculis, suisum decrcscenubus oppositis lecurvatis, basiincns-siis exinnis in uncis nncjptes corneos iranseunubus, lhachibus quadnquetns antjto inilis postice obtusingulis, deoisum iculcatis, sursum nudis, spadicebus axillaiibus siinplicilei nno<!js pendulis)cdunculo commum dense ictroisum aculeoldlo drupis oho\nin - globosis bmlcr apiculis — Habitat in s\lvis Mexicnms

XLII) **BACTRIS** Jcq

(Knlfi Enumnr. III 261 — Wlprs Annal I 1006)

- 1 B MINAY Miqu Stnp Sunnamens select 207 + — Acauhs slipite ilnchique fuifti ncoo -lomontellis, \nlde inicquilitci aculeatis, pinnis altcims, basi semicuculan tmidula inseitis lineaiibii<*> apice inaequilalerali acuminatis subplicatis glabris inaequa- Inei spinuloso-nigio-cilniis, in ncrvi medn parle supremn aculeohtis, spalha peduncuhti oblonga acuminain lignosa, aculeis setiformibus ngidis palcnli^simis hornda — (rcscil pi ope Paramaribo
- #
- 2 B SriOPIULA Miqu I c p 298 f - Acaulis vel caulescens fiondibus 18—20-peda- lihus, stipite rhiclnque aculeatissimis, liac superne feic inermi, pinnis spaisis lineari hnccohiis, margimbus scabns, apice aculeato-ciliatis, subtus albidis setulosi' spdihi dense m^ro-sttosi et aculcata, spadice simplici erecio, cum pedunculo parce aculeaio, diupis oboxito-tuibinatis angulatis, aculeato-setosis — Grscit in sjlvis maximis Suu- nimi inicrioris
- 3 B ACUMINATA Liebm mss. ex Mirt **Hist** natui Palm III 321 adnot f — DifTeil t *D MeAicana* petiolis lhachibusque inermibus, antice nculis bicanahculalis, posiice convexis fusco-lepidoiis, pinnis inicrupte aggrecgatis elongato-lanceolatis sursum elon- gato-obovjtis, apice pirum falcatis abrupte attenuatis et in acumen longe linean - sn buhtum aculcolato - ciliatum productis, basin tersus coniractis plicatis, subius id hi sin nervi medn nigro-uculcalis — Habitat in sjhis Llananilensibus in Mexico
- 4 B BACULIFEBA Karwmskj mss ex Mart I c 322 f — Mediocns (8-9') cae<jpuosi caudice internodus 8—9 , aculeis nigns laevigatis compiessis 3—5' horndissimis rhacbi fiondium spathisque brevius aculeatis, petiolis elongalis, pinnis 2 circitci jn- uum, superioribus confluentibus, spadice simpliciter ramoso, fiuclu globoso pisi nn jons magnitudine miniato inermi — Caudices ligm pideduu nign pondeiosi scipiones lusos et subulas praebent — Habitat in Mexico ad Chicaltepec prope litus mans

XLIV **ASTROCARYUM** C. F. W. Meyet

(Knth Enumer IN 271 — Wlprs Anoal I 1008)

- 1 'A ACULEATUM Me) Pnmt fl Essequ 266 — Knth 1 c 274 no. 10 — Miqu Stirp Surinam select 209 f — *A Awana* Ynese in Joarb d k Maatscb 1848 p. 12. — *A Paramaca* Mart — "Wlprs Ann. bot. syst. I. 1008. no 3.
- 2 A MEXICANUM Liebm mss ex Mait Hist natur Palm III 323 adnot + — Caudice (4—6) cylindnco, aculeis reclis nigns ancipitibus pugiomformibus pet unnulos approx- imatos dispoibitis horndo, petiolis tetragons, 1 a tenb us 2 an ten onbus canaliculate, uti rhachis aculeis nigns rectis ancipitibus, pinnis alterms sursum alque hie Illic quo- que in rhachi confluentibus late lineanbus acutis reclis, basi adnalis plicalis, subtus albidis, margine aculeolis nigns deciduis, spathis aculeolis terelibua nitidis castanei* densissime obsitis, mox in fibras fragiles secedentibus, spadice fruclifeto spicato, fru- cubus sessilibus dense slfpatis tecto, drupis fusiformibus rectis aut paulo curtaus ro- Mrrn#, densissime setoso-nculeolatis — Habitat in sylvis liumidis Meucanis

- it. A. GUIANKNSE Splilgrbr. mss. ex Mart. 1. c. adn. f — Caudicc (20—25'), internodiis (5—7") neuralis subuliformibus atris nitidis (ad 5" longis) dense horridis; petiolis loricatis frondiis priem longis rachibusque aculeatissimis, bis versus apicem subinermibus, pinnis subtus subconcoloribus; drupis obovalis, vertice breviter rostratis aurantiacis. — Habitat in Surinami sylvis et campis.

XLIX. COCOS Linn.

(Knth. Enumer. III. 281. *tit* 596. — Wlprs. Anna!. I. 1009.)

1. C. REGIA Liebm. mss. ex Mart. Hist. natur. Palm. III. 323. adn. f — Gaudice procerimo (!) sriclo cylindrico laevi; frondium patentium pinnis per paria dispositis linearilanceolatis numinatis, apice inaequalibus bifidis, basi reduplicatis; spatibus longissimis cymbaeformibus, utrinque acutis laevibus; drupis obovalo-ellipticis mamillato-rostratis. — Habitat in Mexici orientalis nemoribus ad 2500' alt.
2. C. GUACUYULE Liebm. mss. ex Mart. 1. c. adn. f — Gaudice crasso procero obsolete et irregulariter annulato, basibus frondium ticcio, verticem versus incrassato; frondiis erecto-patentium pinnis linearilanceolatis acuminatis, apice inaequalibus bifidis, basi reduplicatis; drupa ovata rostrata. — Habitat in sylvis Mexicanis prope Guaiulco ad alt. 1200'.
3. C. VINIFERA Marr. 1. c. 324. f adn. lab. Z. II. fig. 18. 19? — Gaudice mediocri laevigato, anio spadice mittendos sursum intumescenie 8k obconico, vertice infra comam ailenuato cylindrico itgrum elongando; frondium vagina brevi conica, petiolo basi profunde canaliculato, sursum tertiusculo, pinnis aggregatis linearibus longe acuminatis angustis crassiusculis striatis valde reduplicatis glabris; spadice duplicato-ramoso; drupis globosis corasinis. — *Palma dactylifera* fit *vinifera* Plum. Gen. Americ. Ul. tab. 29. 30. — *Euterpe vinifera* Mart, (olim). — In insula Hayti.

LIV. ATTAXEA // B. Knth.

(Knth. Enumer. III. 275. - Wlprs. Annal. I. 1008.)

1. A. FUNIFERA Mart. — Knth. 1. c. 276. no. 1. - Hook. Kew gard. Miscell. 1.123. + tab. 4.
- * A. VENATORUM Mart. Hist. nat. Palm. in. 325. adn. f — Caudice mediocri (20-23'); petiolis longiusculis, pinnis sub-4-nis aggregatis quadrifariis, cujusvis gregis ima surtecta, reliquis palulis, basi lepidotis, linearibus longe acuminatis; spatibus cxtus pubente longitudinaliter sulcata longe cuspidata; spadice (2') foeminei ramis erectis glaucopruinos; staminibus (6) exsertis, perigonio quadruplo longioribus; drupa ovali. — Habitat in provincia Maynas prope Tocabe et Yurimaguas, ibi *Inayuca*.

LV. ORBIOBTYA Mart.

(Knth. Enumer. III. 293. - Wlprs. Annal. I. 1011.)

Tribus VII. LEPIDOCARYINAE Mart. — Knth. 1. c. 200.

LVI. CERATOLOBUS Blume.

(Kntb. Enumer. III. 200.)

- * C. GLAUDESCENS Blume. — Knth. Enumer. III. 201. *nilji*. — Blume, Rumphia II, 163- t tab. 129. & tab 137. A. — Frondium vaginis acutis longis subulalis nrmatis, ni,

•egmentis sublus. glautescinli-ilbido-faimosi* iiciibus tllipsouleis — Cicscii in m-
sula Java

- 2 C CONFOLOR niuino I c 1<5 + lab 130 fig 1 — Hondaim ^agmis subsingosis,
<iogmenlis sublus vindibus, fiuctibus subglobo^an — Ciescil in insula Sumatia

LVI rijECTOCOMIA *Matt*

(hnth Lnumer III 202 — Mart Hist nat Palm III 325)

- 1 *PL ELONGATA Blumc. — Kntb. Enumcr ill 202 no 1. — Blume, Rumphia III 68
ft 158 ft t 163 A.
- 2 PL MULLER1 Blume I c 71 t tab 159 — Spathellis floralibus cuneato-rhombeis,
nmeutis masculis ovoideis compactis multiflons — In Borneo insula

LVIII 2AJLACCA *nemw*

Mart Hist nal Palm. III 325 — Knth Enumer HI 202)

UX DAEUIOtfOROPS *Blume*

(Kmh Enmnoi III 201 - Mart Hist nal Palm III 32b)

§ 1. *Cymbospathae* Mail I c. — Spathac membianaceac, chartaceae \
subconaceao, cxtenores (nisi omncs) completae, pnmum dense super-
positae fusiformes, in rostrum piouduclae, vtntre loneiludinahter dehis-
centes (semiapertae), plerumqac circa spadius mfloiescentias con-
lrrartas diulius persjstentes (ima plerumqac e\idenler bicannata)

' GYMNOSPATHAf (irifT — Spatha extima inermis

- 1 D NUTANTIFLORUS Mart. Hist nat. Palm Ul 326. adn f— Vagims ? petiolis
ihacbi (cirufcia?) aculeis icrnalis rcduncis, pinnis aequidisianubus lineanbus QCUDU*
natis, supra canna nemsqne 2 seiifcus spatlus (spadicis masculi supradcompositi)
anguste fusi'ormibus acuminafis, acumimbus (s losins cxplanaiis) subfasiigiiais cor-
pore multoties brevionbus, omnibus pedunculoque mermibus, ramis crebre et con-
tracto-ramulosjs subsecundo-nufhtibus feirugineo-furfuraceis, calycibus corolla sub'
duplo brevionbus tepando- tridenticulatis,, dentibus flmbnato-barbulatis — *Calam**⁸*
nutantifloi in, Grff in M Glelland s Calcutta journ V 79 — Habitat in Indiae oriental^
prov Assam
- 2 D STRICTUS Blume, Rumphia HI 19 + tab 163/B A — Mail 1 c adn f — Acule^{IS}
vaginae subsenatis complanato-subulatis recti» antrorsum nigricantibus, rhacheos P^{ar*}
cms cirnferac semiverliclllatis-sparsisquo strictis am reduncis, pinnis inaequidistao¹¹ⁱ
bus linean-lanceolatis acumfnatis, margine caring et jieivis 2 ulrmque setulosis, sp^{fl}
dicis pedunculo longo trncipile spathisque lanceolaiis acuminatissimis ochraceo-toflie¹¹ⁱ
IOSIS mermibus, infloreslftniis erecto-compactis, cahcibus mascuhs tndenticularis DU-
^d», fructu oblongo acut^œbraceo-fuscidiilo, orthosuchis 13—14 — Habitat in Sum^{af}
tra mediteiranea

HOPLOSPATHAE Mail — Spathae extremae (nisi et subsequentes) armatae, aculeis compressis subulatis aut teretibus subuliformibus vel setiformibus

f CHAETOSPATHAE Guft — Aculei spatulae extremae plerumque setiformes, armata quoque passim compressi, superflui (vix conspicui bicarinati) quasi cernui exhibentes

- 3 D MELANOCHAETES Blume — Kunth I c 202 no 1 — Blume, Rumphia III 3 f t 13 j a 137 D — Mart Hist nat Palm t 117 123 fig 1

D PETIOLARIUM Maitius 1 c 326 not f tab L XVIII fig 3 — hirsutus aculeis >longis) ie bubulalis magnis obscure scissis, in ore nullis, in petiolo elongato (b — 7) posice oblique setalis, pilis per dorsum uncinatis, in nervis denuliformibus nullis, in rachidi lenticulis infusis subnullis, in frondium summorum cirriferis reduncis, pinnis linearibus in aristis acuminatis aequidistantibus confertis, canna utrinque nervis 2 supra scissis, spatula fusiformibus, rosula corpus subaequalis, eitis Z setis fusco-nigris et expallidis densis, summo rostro inermi, spadice (masculi supradecompositi) calycibus corolla duplo brevioribus, dentibus barbularis, fructibus

² — *Calamus petiolarius* Griff in M Cleland 1 c 93

a Petiolis subtus parvo aculeis palmatis reduncis, spatula aculeis nigro-scidicis paulo latioribus, mlorescentia fepruginea-pubescentia; calyce (masculi) breviter densa

^p Petiolis pinnis senibus obliquis aculeorum reclinatis spatula longioribus aculeis nigris expallidis, inflorescentia fusco-tomentosis, calyce (masculi) nullius et longis denuliformibus — Hibbert in Malacca

- 0 D CALICARPUS Mait 1 c adn f tab 175 fig 6, lab Z XVIII fig 7 & XXII fig 9 — Scandens aculeis armatae subulatis fusco-spadicis inaequalibus setalis dorso frequentissimis, oiae parte terminali nullis, petiolo pedalis (basi non gibbosi) marginalibus quam dorsales longioribus, rachidibus in supraculis frondibus circumflectis et reduncis, pinna aequidistantibus approximate linearibus selicis-acuminatis, canna subtus frequenter, supra nervisque 2 parvo scissis, spatula fusiformibus, rosula coipons 1/2 suporante, 3 imis densis aculeis setiformibus expallidis, summo rostro inermi, spadice (masculi supradecompositi) calycibus corolla duplo brevioribus, dentibus barbularis; fructu elongato-globoso vertice acuto, squamis margine late fuscis, canna cordiformi flava ascendens, ocellis 15—18 — *Calamus calicarpus* Griff in M Cleland 1 c 93 — Habitat in Malacca, ubi nunc *Rotang Chochur-mima*, fere *li Chochur*

i f ACAMHOSPATIAE Griff — Aculei spatulae extremae complanati ebulati, plerumque in canna frequentiores spatula magis minusve evidenter bicarinata.

- 6 D JENKINSIANUS Mart 1 c 327 adn tab Z XVIII 5 Z XXI fig 1 Z XXII fig II — Aculeis vaginatis late subulatis spadiceo-magnis, basi confluentibus albidis crebris inaequalibus, secundum oia majonibus suarclis, petiolo basi gibboso densius, rachidi cirriferis lanis aculeis rectis et reduncis passim palmatis, pinnis aequidistantibus linearibus longe acuminatis cuspidatisque, margine et supra in canna nervis 2 setosis, spatula elongato-fusiformibus, extrema bicarini bievitei acuminata pedunculoque aculeis fusco-spadicis seriatim fascicularis, spadice (supradecomposito) contraclathrateo, ramis fusco-pileaceo-tomentosis, calycis (masculi) ocellis obliquis duplo brevioribus tridentatis margine fimbriato, Audit friffa ABN Jruce inammillato pallide floescente, tandem fusco, orthostichis 15—19 — *Calamus Jenkinsianus* Griff in M Cleland 1 c 81 — Habitat in Indiae orientalibus prov Assam

- D MALAGCENSIS Man I c adn f — Caudice, ; feyibus, spadice (masculi) supradecomposito, 17 longo) spatula lanceolato-fusiformibus, corpoie quam rostrum

- 3—4) Io longioic, aculci* extimac subuialis (1) o basi pallidioie spadiceo-fuscis pircis in caimis 2 piium disticlus et in lostio, secundne paicionbus, reliquum in nullis. innorescetiis Inrsoideo-conlraitis mullifious fusco-pulYuuPiito-lomcnlosulis, caljcc ntrvoso coiold duplu brevioic tndenticulato floccoso-cilialo — Habitat in Malacca
- 8 D) GR\M)IS Mnit 1 c odn f lab 175 fig 9 8c lib / XII fig 2 — Aculcis n_D'ime hie subulalis c baii albi ih spidiceia tians\eisnn scrialis, in oic null/s, pclioli ln*ⁱ gibbosi nm^inilibus cl ilncbcos curoste doialibus bic\ionbus ciasMonbusque iecus et icduncis spai&i» **nut** palimlis, pinnis acqidistanlibus ghucis linoii-lanccolaiit> iciiimiiatis incimibus aut margine cannaque sclulosis, spilus crassiusculo - iusifoi-mibus, lOslio coipus subacquante uti vagina fusco-pulverulento-tomeniosis, binis iinu> bicnrii ins et iciln uniLaiinau aculcis htc subuialis spndjcci*, spadicis (masc supia-dccomposiii) lamis nbicviaiis. compactis, cilycc petalis biCMter acutatis duplo bre-MOIC smuato-tudcnliculato, maigine lusco-ciliato, huclu globoso >erticc nculo pnllido fliubcpntp \cl fuscidulo, oiihosiiclu* 15 — *Calamus yiandis* Guff in MClldland 1 c 84 — Habitat in Malacca, ubi *Ilulatur-bumambu* cl *H tiny* dicilui
- 9 D IMinMIDIUS Man 1 c odn f lab 175 ilg 8 G. lab / XVIII fig 8 — Aculeis vngimo ongusio subuialis scualis spnrsisqnc nigucanlibus, in ore nulli*, penoli ba&i loi OM similibus alus conicis reduncisque intermntis, ibacbcos cnuferie reduncis, pinms> inacquiluci subdiBtanlibus hnoan-lanceolate acuminuis, subtus glaucis, canm scligcus, spadicis (foem decoinposili contract)) pcduntulo adnalo subincuni, spatlus vcnincoso-fusiforribus, loslro coipus aequantc, extima bicannata et secunda nculeis (1 long) nnguslo subulatis crebns nigucanlibus, fiuctn globoso \crlicp aculo, squa-luis p illnlc fla\escontibus spadiceo-marginalis, orlhosticlns 15—17 — *Calamus intei-nudius* Guff in M Cklland 1 c 86 — Habitat in Malacca, ubi *Ilotang thiyra* dicuii
- 10 1) FISSLS Ulumc, Rumplna III 17 tab 144 — Mart 1 c adn f— Aculcis vaginao , pclioli lectio spoisis, rbacficos (cunosae *Di an* semper³) con/Iuonlibus reduncis 4 pinms uiacquidistaniibus angusie lancoolatis acunnnatis, supra in nervis 3—5, infra in caiina ruo apiccque sacpo bitido penicillalo - semlosis, spadicis (foem dccomposiu contiacli, 7—8) pedunculo aculcato, spntlia cxlima . (dccidua, aculcala^), intinnis incrinibus lanccolatis acuiis, fruclu ovoideo-globoso veitice aculo oclnolcuco, oilbo-siicbis 18 — Hobiial in insula Bointo ad fluvium Du&son
- 11 D LrWISIAMJS Mart I c adn f lab 175 fig 4 a lab 7 XVIII flg 8 (?) — At u-lcis vaginic subuhlis nignslaxc scmtis, in oic nulli*, pclioli basi loiosi bicvionbus conies «pai»is roclis, rbaebcos cimferae palinatis reduncis, pinms ncquidistantibu^ appioxim ilis lineinbus acuminalis, maigino et supia canua ncmsquo 2 sclulosis, spidicjs (dccompositi coiuradi) pedunculo bicvi supia incimi, spaibis ventucoso-fusifoi-mibus (8—9 long), rosiro corpous Va ncquante, cxiima bicannata et una alic-ia^o insequeniium fusco-iomentosis, aculeis nigns subuljtit>, liuctu globoso veil/co nculiusculo, squamis pallide fla\escenlibus versus mtrgincs mfenores nigncantibus, oiibosticlus 15 — *Calamus Lewistanus* GM/T in M Clelland 1 c 87 — Habitat in insula Pinang, ubi *Rotang Kichum*
- 12 D ANGUSTIFOLIUS Mart I c adn f lob Z XYIII fig 4 — Aculcis vaginae gnsco-¹ et fusco-moraine piano-subulatis subset mis crebns fuscis, in ore nullis, potioh basi gibbosi plains cl conicis bic\ionbus, ibacbeos cirnferao reduncis, pinms acqmdistan-tibus angusto lincanbus Olifoimi - acumirjalis, maigine et ulnnque canna ncvisquo 2 paicc sclulosis, spadicis (masc supiadecompositi) pedunculo armato, spnthis cylin-dracco -fnsifoi-mibus, rostio coipou^ dimidium aequanlc, cxlima bvcanmtj fusco-flocculo<n, aculcis planis alusque sciformibus ubiainque spaisis, calyce repando-dpniiculaio coiolla tiiplo breAiorc, marline flmbridio-bnrbulato — *Calamus avgusn-oliu6* Gnfl* m M Clelland I c 89 — Habitat in Malacca
- 13 D HYGR0PIIIUS Mail^c 201 flab 177 fig 2 - Yigim«, pcliolis spalhoque ¹ **aculca** aculcis laic subulatis spadiceo - mguiantibus ihachi LJIIifera paice ncu-

Itia pinms acqidistontibus linennbus acuminatis cuspidaiisque, novellis niargine nervisque parce setulosis, spaihis ventucoso-fusifioimibus, extimae bicannatae rostio corpons medium excedente, spidice modulo supiadecomposito parco fusco-paleacpomentosulo, calvcc tgdenticulalo, pctalis obiusiusculis plus duplo brevioie, fiuctu
i — Mahcca

- ¹⁴ D MONTICOLA Mail 1 c 328 adn + tab 175 flg 5 — Trecius caespitosus aculeis vn_sMme dense cislineo - furfuraceo subulalis nigns sub«enalis, in oro nullis, petioli basi gjbbosi brevionbus semicomcis reclis aut uti rnacheos cirnfeiao leversis, pinms acquidisiuibus lineanbus subulato-acummaiis, maigme el supra in canna nervisque ^ setulosis, spidicis (foem decomposm conferli) pedunculo inermi brevi, spatha extima fusiformi, rostro corpus $\frac{1}{3}$ aequante bicnnnatn, iculeis (1) nigicmtibus subtilis et subscitiformibus, spathis interioribus mermibus, losiro brevioie, fructu ovatogloboso venice acuto, squamis luscidulis quasi tore adpersis Iinci <?ubmargmali obscunoic CTIbostichs 18 — *Calamus monticola* Griff in M Clelland 1 c 90 — Habitat 'i sWvis densis montis Gonung - Miring, moniis Ophir rami, a If 1500 — 2000 Malaccnc

§ 2 *Solenospathae* Mart 1 c. 328. — Spathjae pierumque crassae et coujcco-lignescntes oblique tiuncatae et dor[^]bidentatae, inde e\ Jpice (jam jincnih stadio succrescentlbais j[^]artilHfipadJcis mterionbus peifosso) tolam per longitudinem dehjjsceotes (BPKae) atque rhacheos •ntcinodia quam in Cymbospalhis fUerumqueJoji[^]iores denudantes, m-lioicscentiaium partialium ramuiis subdistiche QMfvans[^], basi circuitiscibac et cicahices reljnquentes, pleraeque tone deciduae, ima plerumquo diutius lemanente, mine ecarinata mine bicannata

' EZONAtAF Armis vaginae spais scnativc, nec tamen in zonas, cingula \cl mnicas honzonlaliter transvci sales connalis

- 15 D PLATYACAMHUS Mirt I c 204 *f ^ M>0 fig 1—3 — Vagims sursum aculeis latis Aisco nigncTnlibui nilidis pnlenlibus dtnso aimatis, in ipso onficio poslico subinei-milius petiolis aculeis anupiubus diluionbus sparsis reclis, rbachi cirnfrtra aculeis ininonbus icturvis, pinms acquidistantibus linetubus acummaiis cu&pidatisve (selulis dcciduis) spathis decidui^{*} pnelei imam spofsc scriatimque aculcilam, pcduniuli pine libtia tcreiiscula (2—3) longiorcm, spad ce decomposito, bnctcolis subobliie r His bnccis o\alo-oblongis pullidis, orthostichis sub-15 — *Calamus oblongus* P Ulume — *Dacmonm opt, oblongus* Dlume, Rumphia III tab 140?— In Moluccis

- ¹⁶ D ODLONGUS Ulumc, Rumphia III lab 141 — Mart Hist not Palm III 205 f tab k>0 flg 4 — Aculeis vaginae e basi nodosa subulalis pollicanbus nlusque brevionbus ³>il>sci LUIS, in onfluo scitfoimibus densissiiDi& surreclis, petioli ft rhacheos cirnferae ¹ectus spar&is refractis, piflnis sparsis subconcinis linean-lanccolHis ncummatul, sc-tulis niQrginis deciduis, spallus deciduis, oxlima aculois palmaiis, quam pedunculus ^{longiore} spadice decomposito baccis cvlmdracco-oblongis, pollicem longis chloio-leucis, onhostichis sub-15 — *Calamus oblongus* Reinw mss — In msula Java

- ¹⁷ D HYSTRIX Mart 1 c 205 f lib 176 fig IV 3 — Atuleis vaginarum spatharumque Plains SPI nits paiulis, in vaginae margine citbns longissimis (5—10) crccis, potio-^orum el ihacheos cnnfeioo conicis inacquMibus reclis a reduncis, pinms oequirti-^stantib_{us} lineanbus acumatissimis, sublus in nervis ciebre setulosis, spaihis vix ca-^r'nais bidentatis praetor nnam deciduis, fructibus oblongo-cjlindncis, vertice acutis [^]semipollicanbus, squamis chloroleuco-palhdis, orlhoetichia 12 — *Calamus Hyshn* Griff in M Clelland s Calcutta jonrn V 70 — Malacca

- ¹⁸ J> HIRSUTUS Blume, Rumphia III 21 f tab 163D flg D. - Mart I c 328 ndn f-
Acuieia \agmae oi peioli sparsis senaiisque subulatis, circo os viginac longioribus ⁸Padiceis, ihacheos cniifeiae solitarus aut palmato-ynitis reduncis, pinms nunierosis

- icquidi!»lantibus subimbncatis linoaiibu* acuminaiissunis, maigme et supia In nuvi<> 3_5) subtus in 5—6 citbrius sciulosis, spadicis (foem decompOMii) pcdunculo aculeis subuUis reclis, spallus (deciding — nna acultiia?), fiuctu cylindraco-oblongo, vcitice bicMci acuto (1) btiaminco orihosiichis 15 — 16 r- Habitat jn insulao Su-in iliac s\his
- 19 I) KORTHALSH Blurae, Ilumplua HI 23 1 lab 163B flg C — Mm I c 328 ndn i — Tiondibus onuosis (in sempci (^, aculeis , pinnisi numeiosis nppioxinmtii olongatu-lin(uibiis acuminatu>simis trincrvn*», in nervis supia maiginecuc betuhs lans, Mibiüia Inciti oinnum nei voium linsutis, spulicis (foem. decoinposili 1) Unuiter ferrugineo-tomentOMii pcdunculo aculealo, lamis divancnio-nulanlibus, fiuctu globoso-ellipsoi-deo veruce bic\itci acuto, smmirico, orthlosiichis 16 aut 15 — Habitat in monlc Su cunilnng insulac Doineo ausialid
- 20 I) LOINGIPCS Mut. I c 203 f tab 176 hg 5 ft lab L XVIIJ Qg 17
- 21 D GLMCULATUS Mart 1 c. 329 adn \ tab 176 hg 3 — Aculeis vagime \u noli lougiusculi margmalibus comco-subuhlis spaibis, ibacheos cniifer.ie dorsalibub semiveiciidnlis reduncis₁ pinnis subaequidisantibiis linciri-lanceolatis subulato-acu-minniis, subtus nervifl 2 ot subindo carina suiifcus, margine nudis, spidicis (foem decomposiii) pcduncujg^tequrpedali in margino aculeis comcis, ibachi supra spatba-iiim insfitionem mUrtil&ty'spallifs , fructu scssiJi subgloboso, vcittce acuio, squaims pallulo testaceis marginè rufo-fuscis, orlhosiichis 15—16 — *Calamus geniculatus* GnT 'in M Cltlnd J c 67. — Habitat in msula Pnidu_d, ubi *Rotang-Dodui*
- 2Z D LLOftGVTUS DIume, Rumpbia HI 16 f — Mnit I c 329 adn f — 4tulcu, \«i-_or_nnt el pelioli , ibacheos eniifeiac comco-subulatis (4—5 et bieuonbus), incine IPTlinsculis siiTiplicibus, sursum pilmalis K cm vis, pmni> ciobus spaisis et micimpli* lincatibus subulUo - icuminatissimis, miigine et supia in nevis 3, sublus in canmli laro soiulosis, spadicis (foem decomposiii fenuginco - loincnosuli, 15) laxc mi ecu pcdunculo spathaque nna (G) hntcolnu oUtutiuscuIn, lursulic bievi mgicscencie, oru-luis densis nigro-fuscis, ovauis ovoideo-globosis fusciduhs, ortho^tit his 15. — Habitat in insulao Boineo piovincia Danjeimassing meditetianoa
- ^3 D ACFLDCNS Blumo I c 15 f tab 133 — Mm I c idn | — Aculoij, \a_ninuc |ei-ucillalis sparsis\c subulatis icctis n\bidis , siusum, mgnc uiiibus , ihachcos cirnfcaie posiice simplicibii«, anlico palmatis redunus, pinnis sparsis Iincan-Janccohtis acumi-niis, mnrjino utnncjuc in c n mi et supn in nenis Z sotulosis (verns inter nervos M\ conspicuis), spadicis (nm^c dccumpositi, fouii romposm) pcdunculo (spiihamapo) iculeis aiitulaiibus et ^ubiilalis, rimis la\uit>culib, spnthis lignco-conqms (dociduis), extimi (8) doiso scio geniina aculeorum e basi incrjssati subulaloium, i clique incimibus, Imctii depiosso-globoso, verlice nculo, loricae albido-gihae succi infltra-tione purpurcie oilliosliclms 18—21 — Habitat in Javfle occidentalis montibus, ubi *Hoy SUun, Stillamj* aut *Pillah* dicitur
- ^4 *D RUBFl (Rnnw) Miit 1 c 205 fit 329 adn f — *Calamus niber* Reinw — Knth I nuiutr HI 20H no 16 — (Blume Rumplicia III 6 lab 148 fi<r 8-12??)
- ⇨ 'D DRACO niunc I c 8 tab 131 — Mart I t 175 flg 10 — *Culamut> Diaco* Willd - Knth I c 210 no 25
- * 70NATAE Cingulatap vel nnicatae, vigmaium aimis basi in ~~zoois~~, cmgula s raanicas hoi izoniahieii conuatis
- ^b »D MIRABILIS Mut I c 216 f lab 115 fig 2 b a 229 adn - *Calamus m^{irabilis}* Man I r 213 tab 115 — Knth I c 213 no 40
- # D VLRTICIUAMS Mail 1 c 206. lab Z XXII fig b, L 15 flg 7 - Vdginii ~~ver~~ ticillis subieinaiim ippioxirna^is aculeorum inaeqinliuin, basi altc in manicam M^{irabilis} <

versalem conluentium, convergentium ft decussantium, aculeis superioris vonicilii subulntis robustis pallidis, apice nigris ft deflexis, inferiorum setiformibus, interstitiis inter manicas nudis; petiolis fn baseos margine aculeis mngnis (3") surgum ft in rinchi cirrifera brevioribus cum setiformibus serialis, pinnis acquidistumbibus linearibus ncuminalis; spatibus 2 imis scriebus iransversis aculeorum setiformium basi unitorum; spadice decomposito; fructibus globosis, vertice mamillato, pallidis, dein rufis, orthostichis 14. — *Calamus verlicillaris* Griff. I. c. 63. — In peninsula Malaccensi.

- *. D. GRINTUS Blume, Rumphia III. £7. f lab. 136.— Mart. 1. c. 329. adn. f— Vngfnis longis cylindraccis, verticillis numerosis aculeorum criniformium alrorum, basi in anulum cohaerentium, longioribus demum decussantibus; peliolis basi torosis rhuclibusque cirriferis aculeis sparsis reduncis; pinnis parvis subaequidistans linearilanceolatis acuminatis sublinerviis, margine «t antice in carina ulrinque setulosis; spadice clongati nutantis pedunculo compresso; spathis oblique truncatis, 2 imis pedunculoque nucleis sparsis brevibus conicis et setiformibus simplicibus palmatisque. — Habitat in insula Borneo mediterranea.

§. 3. *Platyspathae* Mart. 1. c. 329. —* Spatibgt, tatarcs. partiales i. e. innorescencias Mutines involventes, **uniTO?np4^Htatej** primum fusiformes, sub anthesi omni longitudine **delfl^wH|&^1S** In pJanum expansae, plerumque pergamaccae v. ipeH>i}raS^ga^^anlis coriaceae (iraa plerumque bi-, reliquae unicarinatae). ^p^J^pl^gj^ (excepto /). *leptopodc* qui cirros fert, quales a^rams, exalant).

?B. D. LEPTOPUS Mart. I. c. 206. no. 11. ft 229. adn. f — Inter *Solenospathas* ft *Cymbospathas* quasi ambigit. Caudex cum vaginis pollicem ft ultra crassus scandena. Yngmae ore brevi transverse apertae, aculei robusti, basi Incrassata e qua propullulant, saepe palmntiin connexi, deorsum patentes "pnllidi, pollicem longi, alii breviores; petiolus basi in callum transversalem inermem tumens, maculis fuscidulis irroratus, praesertim in margine aculeis rectis crebris. Rbachis uncis semivericillalis, in cirrum excurrens. Pinnarum majores plus 2' longae, 1" latae. Spadix foem. ultra 2', pedunculo 6" ancipite, in angulis aculeis robustis 6", rbachis inermis nec lorifera. Inflorescentia ma intra spatham 6", in carina gemina aculeatam, primum aliis insuper 2 spatibus deciduis videtur includi ft secunda item spoiha decidua priraum munitur, tertiae spaih persistens adbaeret fere pedalis ft summa pariter clauditur. Rami inflorescentiae ferunt flores sessilea sursum conversos intra spathellulas oblique truncatas majusculas. Fruclul immaturi globosi (pisi noagnitudine) stigmatum basi acutati, squamis olivaceofuscidulis castaneo-marginalia, orlhosticbic 19. — Malacca.

- ³⁰. ^ . PLATYSPATHUS Mori. 1.c.229. + — *Opnlamus platyspathus* Mart.— Knth. I.e. 209. no. 24.
- ³¹. '0. GURUBA Mart. 1. c. 206. ft 830. ado. t tab. 175. flg. 1. ft tab. Z. XVIII. flg. 20. 21. 'v' *Calamus Guruba* Hamilt. — Knth. J. c. 210. no. 27.
- ³². D. RAMOSISSIMUS Mart. 1. c. 330. odn. f — Caudice....? aculeis....? pinnis....? spadice (ma8c. supradecompositl, 2') inermis pedunculo infra spathas ancipite, rbnci bine (a pressione florum) puculata; spatibus (terminalibus solura visis) membranacea sea Phaelormibus rostratis, spathellis obllteratis; spicis gracillimis flegruosis; floribus (masc.) numerosis; corolla cnlyce oblongo breyiter tridentato duplo fere longiore. — *Calamus ramosissimus* Griff, in M'Clelland, Calcuua journ. V. 78. — Habitat in India orientali.
- ³³. D. RHEEDIIMart.I.e.fldn.f — Lorifar?; vagina....? petiole...? rbachi ecirrala aculeis *parsis reduncis; pinnis fasciculalis lineari - lanceolalis; spadice (foem. decompositi) chachi aculeis sparsis recurvis; spatibus lineari lanceolalis inermibus persistentibus Patulis; fructu globoso - ellipsoideo, tandem nigricante (5—6" alto, 4—5" Into). — *Calamus Rhedei* Griff. 1. c. 73. — Habitat in Malabaria.

§. 4. *Ambigui* Marl. 1. c. 339. inter Dacmonoropes et Calamos, illis accedenlos, spathis universalibus immo etiam parialibus tubulosis, tandem longiludinaliter hinc apertis et subinde deciduis, his spathis inflorescentiarum parialium earumque ramulorum elongatis et obconico-cylindricis persistentibus (nee oblitalis).

34. D. BARBATUS Mart. I. c. 330. adn. f — Lorffer, cirraius: aculeis vaginae subulais sparsis secundum oram et in petioli imo margine subuliformibus et setiformibus fuscis densis surrectis, in petiolo amice et in rhachi in orbibus conicis reclusis et reducis sparsis et geminis; pinnis aequidistantibus lineari-Janceolalis acuminatis trinerviis, margine et supra in nervis selosis (venis transversis conspicuis); spadicis (foem. decompositi) pedunculo adnato inermi; spathis primariis chariaccis persistentibus Janceolatis conveis, antrorsum aculeis setisque fuscis, spathis reliquorum ordinum persistentibus obconico-cylindricis inermibus; fructu globoso-ovoideo vertice rostrato, squamis flavescentibus spadiceo-marginatis, orthostichis 22. — *Calamus barbatus* Zipp. Bijdr. nat. Wetensch. y. ITBL — Blume, Rumphia HL. 42. f. tab. 145. — *Itotang acidum* s. *It. assam* Rumph. Hf. f. jnl. 7-119. tab. 58. fig. 2. — Habitat in Macassar, in insula Celebes, Douton et P. & uinia.

35. D. HETERACANTHUS Mart. 1/e. adn. f — Lorifer, cirraius*: aculeis vaginae seriatis petiolique sparsis subulitibus rectis, rhacheos sparsis et confluentibus reducis; pinnis per distantes fascicules aggregatis lanceolato-oblongis acuminatis convexis multinerviis coriaceis, antice in margine setulosis (venis transversis crebris conspicuis); spadicis (nasc. decompositi 3—4' pedunculo inermi?) spatula ezlima (et insequente?) anguste lanceolata aculeata, spathis reliquorum ordinum persistentibus obconico-cylindricis inermibus, ramis distiche floriferis arcuato-recurvis; calyce cupulari membranaceo, corolla quadruplo brevior. — *Calamus heteracanthus* Zipp. 1. c. — Dlumc 1. c. 56. f. tab. 139. — Pinnarum forma, venatio et concavitas cum *Calamo insigni* Gr. conveniunt. — Habitat in Nova Guinea.

36. *D. MANILLENSIS Mart. I. c. adn. tab. 175. fig. 7. — Species indescipia. — Manilla.

t Species incomplete oognitae.

37. *D. FASCICULATUS Mart. I. c. 330. adn. f — *Calamus fasciculatus* Mart. — Knth. I. c. 208. no. 18.?

38. D. NIGER Dlumc, Rumphia HL. 5. f — Mart. 1. c. 330. adn. f — Aculeis vaginae infra petiolum gibbosae et petioli confertis subulais nigro-fuscis patentiibus, rhacheos cirriferae semivericillatis reducis; pinnis lineari-lanceolatis acuminatissimis trinerviis, utrinque (in nervis?) et margine setosis; spadicibus densisnutantibus; fructu globoso, vertice acuto virescente, tandem rufulo, diametro subpollicari. — *Palmijuncus niger* Rumph, Hb. Amb. V. 101. lab. 52. jam nunc monie Cl. Blume a *D. melanochaete* distinguitur pinnis multo latioribus (15—21" longis, ultra 4" latis) utrinque subhirtis; Synonymia *Calami nigri* auct. igitur huc revocando. Species soli Rumphio visa non dubitanter *Cymbospaluis* adnumerari potest. — Habitat in Amboina. Malaice *Rotang* (niger) vel *Rodang Tubu*, amboinice *Ua-Mette Uu-Tehu* nominatur.

39. D. PALEMBANICUS Blume I. c. 20. f. tab. 163, B. fig. B. — Mart. 1/e. adn. f — Aculeis vaginae... petioli..., rhacheos cirriferae postice quadrilateralis supra ad angulos petioli vis rectis, in dorso majoribus (2—3' distantibus solitariis et semiverticillatis), apice nigricantibus; pinnis numerosis elongato-linearibus subulato-acuminatis trinerviis, margine carinaeque utrinque, supra in 2 nervis raro setosis; spadicibus (masc. supradecompositi) pedunculo semiinermi (inermi?); spathis...; calyce...

spathellulam acute hidentatam obtuse iridenticulmo quam corolla duplo brevior, laciniis* corollae lanceolatis acutiusculis. — *Puhnijuncus Palimbanicus* Rumph I. c. V. 107. — Habitat in insula Sumatra, ubi *llolanq̄ Lei an Q* VPI *Lañlnn* dicitur.

40. D. GAUDICMAUDE! Mart. I. c. 331. adn. f — Cujus spadice foem. solummodo videtur auctor celeb, absque spatulâ, verisimiliter esse sorsum *Cymbospatharum*. file spadix 13'' longus, pedunculo ultrapollinari compresso, aculeis nigris sparsis et senatis reolis pinnatis* jussim setifonibus 2—4'' dense armatus. Spathae oranes deciduae cicatricea insculpunt rhachi disianlin 1—1'A''. Rhachis inermis, lomento pannoso casiano tenui detegibili. Inflorescentiâ parvialc* fructus immaturos ferentes 2/3—1' longue, rhachi adpressae, imac ramulis 10, superiores paucioribus. Ramuli pollicares et breviores, versus rhachin aliernalim disirho convergentes, angulati, fusco- et floccoso-tomentosi, spatulâ infra singulos flores brevissimis nmiuliformibus immo oblitalis. Pedicelli lin. longi, inirorsum conversi, spatulâ brevis iruncala. Calyx fructifer obiter iridiciniatus, corollae ('Z') laciniis iriangulanhus acuti* triplo brevior. Fructus immaturi magnitudine pisi (diam. 3'-) depresso-globosi, triplice conico acuto, forma el lorica quodammodo cum *D. verticillaris* et *Lewisiani* fructibus convenientes, squamis pallido et luride viridibus, margine liberatis dulo, praesertim in squamis verticis insigniore, orthostichis 17. — Habitat in Martilli.
41. D. PUSr.us Mart. I. c. 331. adn. f — *Cymbospatharum*. Spadix foem., cujus specimen videtur auctor alterum floiia Uaiiii UHr 'trkicibus donatum/20'' longu'', in rhachi ramisque inermibus tom JHb *f<wH% ^gab* fuitco detergibili, spatulâ do^iitirK oral. Rami primarii A'' n fluvi (tt^HoT9; nftu)ti^ttrite ramuloni, ramulis disirliis distiche (loriferis. Spithrum inrflfamot^paimenia cylindric iruncata, 2—3''' alia. Spathellae infra ramulos earumque divistoles (pedicellos) annuliformea bine aculae. Spathellulae brevissimae. Calyx cupularis, sinuato - indeoiculaus, corolla quadruple* brevior. Corolla ad 1/2 irifidn, tno quam lacinae lanceolatae aculiusculae eidenlius nervoso, vix 3''' longa. Filamentum cupula longitudine ovarii; antherae dToTae membranoae lanceolatae acuminatae. Squamulae in ovario margine casineo, in fructu maluro suvanido. (?) Spadicis fructiferi ramuli regulriter erectopntuli. Fructus globosus, verlice breviter acutus, diametro 7''', orthostichis 18, ratiis 7. — Habitat in Manilla.
42. D. (*Solenospathai*) RUMPHII Mart. I. c. adn.f — Caudice longe scandente, crassitie l'ffiii; aculeis vaginæ infra petiolum in gibborem mognum inermem lumentis peliolique subulntis longis rectis sparsis, in rhachi cirriferâ inirorsum semiverlicillatis el icduncis; pinnis numerosis aequidistantibus anguste lanceolatis acuminatis (18'' long., T'' lai) irinerviis, margine et sublus in nervis selulosis; pedunculo spadicis (foem. decompositi, 4' el longioris) spatulâ deciduas, quarum ima aculeata, superanui, ramis el'ecto - jtaiulis: fructu globoso - ellipsoid^b, verlice brevi aculo (maguindine globuli sclopeti). — *Palmijuncus vcrus angwtifotiu** flomph, Hb. Amb. V. 105. tab. 54. — *Calamus Rumphii* Olume 1. c. 38. — Habitat in Amboinae imis montibus; *Hotany Tuni* vel *Rotang Hubul* malaice, *Ua-Helite* amboinice.
43. D. (*Cymbospathu*?) CALAPPARIUS niunc I.e. 7. f — Mori.I. c.odn.f — Caudice elongato, fere brachii crassitie; aculeis vaginæ et petioli (broviusculi, basi non gibbosi) auliiibus ruuia densis sparsis, rhocheos (cirriferæ?) dorsohbus redncis^ pinnis lino-Qr - lanceolatis acuminatis (18—20'' longis, 1'' el ultra latis, remoiusculis) obscuris opacis, sublus in nervis 3 selulosis; spadicis (foem. decompositi, 24-30'' longi) arrecti petiunculo (spatbnque extima?) aculeis densis mollibus; fructu globoso (diam. 9—10'') verlice breviter acuto, flavescenie, vetuslo stramineo (orthostichis ^ub-15?>. — Habitat in Amboinae sylvis inontanis, ibi *Rotang Calappa* malaice, *Ua-Hahula* amboinice i. e. *Hotang pilosa*, nee non^Aa-Niwel el *Ua-Mamima*.
- ^ ^> (*Cymbospathu*) MELAKOLKPIS Mart. I. c. 331. adn. f tab. 175. fig. 11. ft Z. XII. flg. 4, — Vagina...? petiolo...?; pinnæ (in apice frondis) aequidistantibus concionis " I.

lincari - lanceolatis acuminatis (7—2" long., 9—3" lat.) margine supraque in carina seiulosis, subtus subglaucis, rhincho? aculeis reduncis; spadicis (foem. decompositi) spathis primariis..., ramorum truncatis hinc acuminatis; julis fructiferis crectopatulis; floribus 16—7 converso-dissidatis; fructu ovato, squamis nigro-spadicibus nilidis; orthostichis 18, 19. — Habitat in India orientali.

LX. *CAECOMUS* Linn.

(Kntli. Enumer. III. 204. & 594. - Mart. Hist. nat. Palm. III. 331.)

§. 1. *Anuri* Mart. 1. c. — Tern loris completis s. spadicibus abortivis aut partialibus s. spadicis ramis cirratim extenuatis, quam cirris (frondium) carentes, plerique stantes nee scandentes; (lores plerumque majusculi.

1. *C. CASTANEUS* Griff, in M'Clellands, Calcutta journ. V. 29. — Mart. I.e. adn.f tab. Z. XVIII. fig. 2. Z. XXII, -fig. 15. — Stans humilis caespitosus: aculeis vaginae piano-subulatis (1—2") inaequalibus, rhacheos in dorso semiteretibus retrorsis, in angulo superiore nullis, pinnis aequidistantibus linearibus cuspidatis, margine subiusque in nervis 3 setosis; spadicis decompositi pedunculo parce aculento; spathis inermibus; julis compressis, spathas suas infundibuliformes multo excedentibus, lateralibus numerosis (16—20) terminali brevioribus; staminibus distinctis; fructu globoso verlice longiuscule rostrato, castaneo, orthostichis 25—29. — Habitat in vepretis udibus Malaccae, prope Pringitt et Ayer-Punnus (Rhim), *Hotang Cochur* malaice dictus. sicut etiam (*Griffithinus*).
2. *C. GRIFFITHIANUS* Mart. I. c. 332. adn. f t. Z XVIII. fig. 27. Z. XXF. fig. 3. f - Stans humilis caespitosus: aculeis vaginae in parte ventrali setiformibus nigris (2—4") seriatim, in parte dorsali imoque petiolo fuscis plano-subulatis (1—2") brevioribus inermibus, rhacheos in dorso semiteretibus retrorsis, in angulo superiore brevibus dentiformibus, pinnis numerosis aequidistantibus linearibus cuspidatis, in margine per nervum incrassato et subtus in nervis 3 supraque in carina setulosis; spadicis masculi spiralis, foem. decompositi pedunculo inermi; spathis primariis vix aculeolatis; julis masculis compressis, spathas suas elongato-infundibuliformes basi attenuata bicarinatas subaequamibus, lateralibus paucis quam terminales brevioribus; staminibus distinctis; fructu breviter ellipsoideo vertice acuto, castaneo, orthostichis 19. — Habitat in Malacca.
3. *C. COLLINSIUS* Griff. 1. c. 31. - Mart. I. c. f tab. 176. fig. 8. & t. Z. XVIII. fig. 14. + -- Stans: aculeis...?; pinnis (superioribus 1 1/2' long., 1 1/4" lat.) lineari-lanceolatis breviter acuminatis plurinerviis, supra carinis 3 robustis margineque seiulosis, subtus laevigatis inermibus; spadicis foeminei decompositi pedunculo spathaeque ima aculeis subulatis e basi albidis spadicibus transversim seriatis deflexis, spathellula rotata quam calyx corollam subaequans subquadruplo brevior; fructu oblongo vel ovato - oblongo, mammillato, squamis rufo - castaneis inira marginem inferiorem fimbriato - expallidus obscurioribus; orthostichis 12. — Habitat in montibus Khasiya, prope Madabeh, lat. 25° 15', alt. 18-2000', nee non in Assamia superiore.
4. *C. SCHIZOSPATUS* Griff. 1. c. 33. — Mart. 1. c. adn. f — Erectus: aculeis vaginae. • J» aculeis petioli sparsis ternatisque albidis, apice nigris robustis deflexis; pinnis aequidistantibus lineari-lanceolatis subulato-acuminatis (2' long., 1 1/4" Int.), carina supra prominente, subtus antrorsum uti margo setulosa; spadicis masculi ramis spiralis, inferioribus decompositis; spathis inertibus tandem fibroso - laceris; julis spiralis thas suas multoties superantibus; spathellula oblique truncate quam calyx semitri-

corollam dimidiom acquans duplo brevior; slaminibus distinctis inclusis. — Habitat in rollibus Khasha et prope Darjiling.

- 3 C. ARBORESCENS Griff. I. c. — Mart. I. e. adn. f — Gaespilosus: caudice erecio nudo (15—20'); vnginao ei peioli acutis magnis subulais nigris serialis sparsisque densis; pinnis aequidjlanlibus lineaii - lanceolaiis acuminatis, sublus nlbis, enrina ulrinque margineque spinulosis; spadiceis masculi supradecomposili longe penduli spathis primaiis nigro - aculeatis; julis sputhas suas subquadruplo supcranlibus; >paihellula cupulari subnequaliler truncata duplo brevior quam calyx seinitrifidus corolla duplo biuvior; staminum monadelphorum antheris svmiexserlis. — Habitat in Pegu, unde in horium Calcultensem introductus, nomine *C. hostilis*.

⁶ - #C. ERECTUS Rxb.- Knib. 1. c 213. no. 42. - Mart. I. c. 332. adn. t

⁷ . 'C. HUMILIS Rxb. - Knth. 1. c. no. 41. - Mart. 1 c.

⁸ - 'C. CONCIINUS Mart. - Knth. I. c. 207. no it.

§• 2. *Loriferi* Mart. 1. c. 332. — Spadicibus aut totis in lora (completa vaginis frondium praecedentium pendula) mutatis aut partim axi primario vel denvalo gxacilescente, in iora abeantijaus. Spadicum basis insequenti vaginae adnata. Lora dorso ^culeis*4emiverticillatis plus minus unilis reduncis. Frondes ecirrpae." 3\$audex plerisque (nisi omnibus) caespilosus aut scandeaS f^rius. šbnnullus aut brevis. '

' Pinnis apice acuminate nee truncatis.

⁹ > 'C. ORNATUS Bluræ - Knth. 1. c. 205. no. 2. - Mart. I. c. 208. flab. 116. fig.2.&t. I. XVIII. fig. 23.

- ¹⁰ - C. LONGISETUS Griff. I. c. 36. — Mart. 1. c. 333. adn. f - Subacaulis coespitosus orectus: aculeis (aginue et petioli elongati (3—4') plano-subulatis rectis nigris oblique ^enicillatis, setis nigris seriatis interspersis, rhacheos sparsi<) et semivenicillatis minonbus; pinnis aggregnlis plurifariis lineari - lanceolatis acuminatis, margine setulis, marina subtus selis nigris; spadiceis (masculi decomposing spathis inferioribuslongius-c"lis inferne aculeolis recurvis, in limbo lanceolate rectis, spathis panialibus truncat'is ineimibus; loro elongato; julis rectiusculis spathis suis duplo longioribus; calyce bieviter tridcnlato corolla triplo brevior. — Habitu quodammodo ad *C. arborescentem* &ccedit, a quo facile distinguitur pinnis sublus viridibus, lororum praesentia et julis ^revioribus (2—4'). — Habitat in Pegu et indo in horium Calcultensem Hiatus.

- ^H - C. LITORALIS Blume, Rumphia III. 43. — Mart. I. c. 333. adn. f - Caudice erecio njeodioci i; aculeis vaginae ancipiti - subulatis iru^quolibus (1 — 12") seriatis petiolique G") brevioribus sparsis rectis pallidis; pinnis nuraerosis, posticis nggregatfs, anilcis subaequidistantiibus, lineari-lanceolalis acuminatis, margine et in carina utrinque subtu^ in nervis nonnullis selulosis; spadiceis (4 — 6', masculi suprade-, foem. decompositi) spathis inferioribus compressis aculeis rectis, superioribus terctiusculis aculeis recurvis; calycis masculi iaciniis ovatis acutis; fructu (Immature) globoso - ovoideo, squainis flavidis ad marginem castaneis, orlhoslichis 13—15. — Habitat in liloris Javae l'aludosis. *Iuttang Ayer* Malaiorum.

- ¹² - C. HORRENS Blume I. c. 45. — Man. I. c. adn. f — Caudice... ?; aculeis vaginae (diam. 1") e basi incrassata subulatis superne convexis rectis llavescenti-fuscis sparsis (2—9" in ore nu|ij^ petioli (2—3") basi gibbosi similibus, rhacheos dislantibus solilais reflexis; pinnis numerosis concinnis aequidislantibus linearibus longe acuminatis (5—11" long., 5—8" lat.) charlaceo - merabranaceis irinerviis, nervis iribus supra et »edio infra margineque parce selulosis. — Malaice *Rotang gelag*. — Habitat in locis Paludosis circa Bataviam.

- 13 C. ACAINTHOSPATUS Griff 1 c 39 — Marl. 1 c. adn f tnb 176 fig 9 — Caudice scandente?, frondibus ⁹, spadms (foem decomposili, 6') lot ifei i pcduuculo spalha-
quL ima ancipiic nucleis densis innequalibus e basrinra&sata semitonius icchu&culis,
spalhis i eliquis quam mfloresteniiae <duc duple longioribus tcretibus Miblnei mibu^ aul
paice uli lorum lerminans atuleis recuivis sparse, nmis dislanlibu*, mfenoribus de-
composuis, fiuciu elliptioo vertice mammillato cnslaneo niido, orlhostichis 15 — Ha-
bitat in Indiae montibus **Khaivva**
- 14 C FLAGELIUM Griff mss ex Mart I c adn + 176 fig 9 — (Iudice robusto scan-
denie, vaginae in ore fibroso-lacprae atule s ciubus spnis senatisque plains nut su-
buliformibus nigre¢ibus, doiso superno minoiibu*, pelioli el rhatbeos spares uiar-
gineque nggregalis nunoribii<, superne convexis leclis, pinnis lincan-lanceolaiis acu-
minalis, maigme neivoque anroisum setose, spadice (masculo decomposilo) loioque
lobusio elongalis, pedunculo spalbis primanis ihachique atulus redunus, julis ere-
ciusculiN (mnsclus29—12) sp.uhas suas mulloies superaniibus, calyce coiold duplo
breviore, sinmmibus distinctis, fiuciu ovuo (1) veilice aculo, squamis pallide flavo-
vindibus, margine fu8CH, orlhosiiclus 12 profunde sulcalis. - Habiini in Indiae pio-
v Assam, ei ibi *Holang (llcdang)* aul *liet majoi* diciur
- 15 C MACROCARPUS Griff mss ex Mail I c. f tab 176 fig. 10 - Caudice ' fron-
dibu>> ', spadice lonfero, spallus aculeis spais el conlulenlibus reduncis, **jul**
fiuclifens 10—16-flous (3—6), fructu oblongo vertico nemo, mnjusclo (I¹^ j, **squa-**
mi> pallide lutescenus fusco - marginalis, oilhoslichis 12 piofunde sulcatis — Cum
C *llayello* multis nous \idclur convenue — Habitat veisimiliter in collibus Kbsiya
- 16 'C MELANACANTHOS Mail — Knlh 1 c 211 no 29
- 17 C E\ILIS Griff mss ex Marl I c 333 adn -\ tab 176 fig 7 — Caudice scandente?
vaginae fu*>co-lmlulne infia peliolum gibbosae aculeis scmiconicn ictH ^pai^is else
ridiis \|-2), pelioli pnulo majoubiiN, in mrugwe reclis, m doiso mi ilnclieos re-
duncis, pinnis aequidistantibus appoximaus concinnis lineanbus cuspidnio>acuminalja
snbinprmibus, in nevis pluumis sublus subllissinie stngillosis, loio (ornplelo inferno
antipile gracih, spadicis (foem decomposili) spaiha ima nncipne in niniginibub acu-
leolnla, supenonbu*. teieuust uls> paice aculeolalii*, minis cum rliatln longmscuU
connans, julis pncifloris iecurvis, floubus infcnoibus pedicellnlis, liuctu obovato
verine aculo, viiescenti-iuscidulo, orlhosiiclus (5—18, alburne aequabili — HabiUrt
in Malaccae momo Oplin *Wnhice llolamj Gonung*
- 18 C PLNTCILIA ATUS Roxb Flor Indie HI 781 - Marl I c 334 adn f - Standee
cuulice lenm, viginni in ochrenm hrpvm oblique iruncalnm e\(\uicn(iN, infia ppliolom
gibbosae acultis bie\ibus coniti<> KCIIM, poliolo bievissimo, ihachi loioque compl<¹⁰
giatili mlia \n^ nau oiiflcunii en.ito aculeis bietibus udunciN |nmus .ilteims uequi-
di<4antft>us landolnns bievitei acummatii*, margine facieque incimibus, apicc set<⁵
nigiii> pemullatiM, 7—9-neiMis, veins unns\eisis muJus tonspicms, spaditis (ma>cul'
deiomposiii) spaibis infeioiibus icieiis>culis lc\itei bicannai^ ibailm|ju^ **aculeo**^{DS}.
spais ICCUIMS, bupeiionbiib iibincimilm*, julis gianlibus pnlulis spathas **sua**
aequamibus \i| dupl-o Mipeidnlibus — ll.tbit.u in uisulne l'mnng s\lvls
- 19 T CILIARIS Blume — Ki lb I _mc 211 no 33 — Ilumo, Rumpbn III 34 t 147 **B**
tab 163/15 fig L
- 20 *C ROTA^G Linn — Mail I c 334 adn f t 116 fig 8 a t /, XXII fig 12 — **Koth**
I c W7 no 12
- 21 'C MONOICUS R\b. — Knlb I t M8 no 14 - Marl 1 c 334 adn f
- < T III I IOTROPIUM Hamih — Knth I c 210. no 2b — Mail I c adn. +
- 23 *(MTiDLS Man - Knlb I c 211 no 30 - Mart. 1 c. adn f

ii (ROYLEANUB Griff* in M Clelhnd s Cnclula joun V 40 — Mart I c 335 adn f ml) 176 fig 1 tic inb 7 Will fig 9 — Caespitosu* caudico lenui (scandente*), v igime oi e bnuiuilalac ncilleis s>piü&is subulifounibus, peioli jntice rhachosque reduncis, pmnis lequidi^laniibiis Imeanbus acummatis, supeine in nervis 3 setulosis, spadicis (f)im de omposili) spaihia truncniis, pnrrmiis paice aculeohus secundanis inermibus, IIII-J (20—26 floris) supraspithiceis *»pailis suis duplo iongioribu? corolla calycem subacquante fiuclu subgloboso pisifoitm veitice ncuio, squamis albidis, dem *tlavescentibus orthositthia 15* — *Habnal m \eprelis uiU** India' orifniilf*, m prov Ot In aduui

*> C rEISUIfc Rxb - Mail I c 335 adn f t 176 (L, i fr t Z XVIII fig 24 25 - Knih I c m no 31

& (LEPTOSPADIX Griff in M Clelhnd 1 c 49 -Mart I c 335 idn f I 175 fig Z & 1 I XVIII fig 13 — Ciudict "> v igime aculeis ', ihacheo:* fusco toinentosre aculeis sparsis solitai lib subulalis rottis*, pmnis angustc line uibus ncumimti* (10 long , 4—5 bit) approxinnijb aequidistiniibusconcinis supmn nervis3, infra in medio setulosis (venisvix conspicuis) spadicib gracih>i simplicilei rrmosi loufen spalbis pi imams rhiqliique redunco aculeo aiis spathis pi imams el secundanis julifeiis inermibus hinc in limbum mpmbrarnceum lancooldtum piomissis, julis spalhas suas duplo supeiunlibus recmvis, 3| aihellis nicie dislicliis cutpide penitillaia, calyce corolla duplo breuore, fruclu globoso (dnm 4—5 veiiiice acuto, squanus albidia, dein Hilescentibus margine castaneo oiiboslirliis 19, ^0, albumine aequabili — Habitat in Indiae prov Khasiya in moitibus Gmo inter Nunklow el Naogong

<r< (RF^VVARDTI Man 1 c f 208 tab 112 — filume, Rumphia III 520 — *C vimt-nahs a ncinumdh* Knth J c 205 no 3

^ r UUBOIDCUB Dlume I c 46 tab 150 & 163/B — Mart 1 c adnot f — Caespitosus caudice scitiduHt mediocu, iculeis vaginae ebnsi incrassata plano-subuadiis tictis, puuilis nut delltxis helvolis inatqualibus uebris petioh longiusculi paucionbus, • bicbcos parus redunci*, piimiN rimoiiusculis (13—22) bubaequidistanlibus conunms "Hidis. Imcari-ldnccolatis acuminiii^ maigine¹ supraque in nervis 3 selulosis, spadicis (nuasc j>uprnde -, loem decoinpo«»iii) olongati lonferi &pallus> primaius breviler trun- (<ti^ ibathique atuleolis ledimtis, julis> lectiuscuio pilulis, spalhas suns duplo &upe-¹ niibus, cilyce raasc inQdo corolla sub - 3 - plo brevioie, foemm anlhens slenlibus *>>vitoi cordatis, fiuclu bieviter ellipsoideo vuici aculo el chloroleuco alutaceo, ⁰¹ thosliclms 15—18 — Specici iniei *C Hetnuaidli* el *vimmalim* mediae pluies vaneia-^{u1} «, foisan species distinctne, i Cl Blume eriumeamur

P *pioceius* piimis majoubus et magis paienlibus — *Jlooy- Kouot* sundaice, *Hatany* *It alias* vil *Ijatjieny* malaico

Y *iljiiLlus* ptliolis biLvioiibus, pmnis pnv ntissijüs*, rlnthium ncuicis retur-¹ vti tefnuis laiissimt piitnubus (an spociiN*) — *Uooy Ijaljeng* vtl ¹ege sundaice

^ *conjugalte** pmni> plu^ 23-jugis ^ubuldlo -atuiuiiialJ^Jinis, rbatbium aculeis •Hnionlius soliidiini ant gtmimtis spirsw delltxis¹ aut leviici recuivib (an species')

£ *sptssus* inline ilu> 23 JU^IS clougiii> subulnto acummalissiinis, rbachium tuculis (lebroubus iolitam» s|ms>is itiluucis (an sp<cits') — *Uooy Mukka* moniano-¹um Ja\<c — flabilai 6 *littroulais* m Javn occidenldli in sylvis utontium alliud 2000 — 500J *Hoy Koiut*, (.enrol burning javumcc el *liolany Lilm* »cu *Leilan* mrluce

^ (MMINALIS Rtinw — Marl I i 355 idn f lab U fig 3 — Caespilosu* caudice "CitulouiL tlongalo, atuleis vaginae bievilci oclueatao mtia peliolum gibboiaecipeioli¹⁰¹ giusiLuli subulmift iecus paienlibus spusis (1 — 10 ' long) fuscis, ihacheos solua-¹it Jecus ei bievionbua leduncis, pinm» subaequidistanlibus approunius concioms

lineanbus acuminate, margine wipraque in nervis 3 scutulos, Ions completis gracilibus elongalis redunco-aculcolalis, spadice , fruclu > — Habitat in Celebes, ubi *fiotang Jata*

- 30 C BUROLINSIS Mm I I c 336 adn f — Caudice scandente tongaio lenm, iculeis vaginae et pccoli , ihachcos sul geiumaiis robuslis disianiibus rectis deflexis, pinnis inaequidistantibus spiiis>is vcl ag^itgnlis ingnsio lanccoldtis acuminiiis (H—9 long, 2—3 lat) phcito-5- neiviis, mai,iiiie tiunique sublus scutulifcii*, ^ndius elong-ili (loom dcomposiu) spnthis piiiintms ihacluque lecuivo-aculeolaiis fiuclu depies^o-globoso \PI tice acutiusculo, m lgmuidine pisi — *Palmijuntus vmunulis L JL UUUU ;»I-MIUS Rumph lib Anib 109 fib ^ llg 2 A B — Lulumus iwnnahs Willd (exd L nmmtili (J ami>lo Mut, qui id (IUmmaidli perinet) — Alier e Buio, ambulans, Rumph i cl Ulumo \ai ripens dicilur — Habitat in insula Brno *Hottang Wamlelll* \cl *WanUue* malaice*
- 31 C EFETIOLARIS Mart I c 336 adn f — faespilosus caudice j>cdndente lenui, vaginae breviter ochrealae infra petiolum gibbo^ae aculeis e bust inciassata subulatis i ecus ^pasis pnictis apice fuscis, ochreae sotis et aculeis selifoimibus reclm, peliolo pdbi<i (1), ihachcos aculeis solitanis et grmims icduncis apice spadicei<, pinnis icmoiiuscule subaequidistantibus (ii — 3i) concinrus e lanreoKito longe acuminalis cuspidaiis bublu^l nilidulis, maigine cl uinquo in tauin sclulosjs, nervi<> 6 hlei ilibus subicqualibus incrimibus, Ions completis ^racilibus redunto - aiukolalis, spadice , fruclu ^ — Species videtur inler *C htUiouLum* et *uminalcm* media — Habitat in insula Ja|a
- 32 t SfHfSTOCAiNTIOS Dlume, Rumphia HI 49 - Mart I c 336 adn f — Caudice scandente lenui, aculeis \ iMnne densis e basi inciassata subulatis complanatis |lum-beo-schi-it iceis recliusculis (1—12), pelioli perbre\ib (6) conico-subuhiis, pinnis hud cubus (20) sparsis inaequidistantibus lineui lanccolnlis (6—12 long, 4—6 lat) iLUinunii') plicato-subquinqnemis, dpice pemcillntis, maigine <t in ntivo medio utiunque paice setuloss, ilincheos loioiumque completorum giacilium aculus copio* sis bievibus solitanis nut conduenubfls itcunis — Ab tfflui *C heteioideo* disingulur fiondibus bie\issimo pctio atis, in ihidu non, ul illms, aculeis di>tinilibus rectis ic-irorsis, srd copiosioubus bre\ibiii> recui'vis armatis Ab omnibus ucims co ore aculeoium, a 6 *pinuillato* pinnis an^u^tioubus divei&us is| — Habitat in insula Borneo ad liiiMum Du^on in svhis udis. et m Sumatia
- 33 f OPA(LS Blume I c 50 — Man 1 c adn f— Caudice scandente, aculus vaginae) ihachcos solil nus (listanlibusbic\ibu& lecmvis spadiceis, pinnis pluumis (6—10' long, 5—6 lat) aequidi*lnnubus lineau -lanceolalis subulato-acuminatissirais opacis eveniis tiiricnus, maiginē (t supn in neti^> 3 subtusque in medio parce 2>clulosis, spadiceis (foeio decompoMti) spailii* iruncilis ihaclnquo (lonfen') tomenlosis, aculeis conico subulalis rccuivis, julis filifoimibm. recurvib (liuctilci 1—3), fruclu globoso - ellipsoidco (7—8 longo, 5 lato) pallide fusco - stiaminco, orihosiiclus 18 — Habitat in insulac bumatiac meditemiids
- 34 '(MOLLIS Blanco — Knlh I c 594 — Mart I (adn f
- ^5 C MILRAMMILS Blume 1 c 5J f tab 151 - Mail 1 c adn — Caudice scandeoK (longato, fioudibus amplis (12), aculci> \nginae et prlioli , ihacheos infeionbui conico - subulatis reclis sp irsis imtqualibub (1—8), supenonbus leduncis, *pinnaa* numerosis inaequidistantibus elongato-lanceolalis (11—21' long, 15—30' lat) *in* subulam setifeiam tcummaio, ockium ghbns 7<<-5-ncr\us, piaeseitim sublus *nitida* (venis conspicui^), exlimis bievionbiib bdbi connalis, spadiceis (masc supradecomposiU' loi ifeu>) spaihii pi imam* oie oblique ihachique redunco- acultolalis, spalhis secunj dams parce acukolalis, lamulis julifens supiaspalhacei*, julis (6—24') spaibas si *in* 2—6-pio superanubus, rctiisculo - patulis, termmalibus longionbus, Qonbus *in*

(vix 1"); calyce leviter trifido corollam duplo superante.— Habitat in Sumatrae mediterraneis.

36. C. SYMPHYSIPUS Marl. J* c. 336. adn. f. lab. Z. VIII. fig. 14. - Scandens: frondis amplis(?)...; aculeis vaginae et petioli..., rhachos crebris c. basi incrassata reversis rectiusculis subaequalibus sparsis et confluentibus; pinnis subaequidistantibus* elongato-Inceolais acutis (12" et ultra long., 2" lat.), multinerviis, subtus glaucescentibus, margine praesertim apicis setuosis; spadicis (foem. decompositi) loriferi spathis ore oblique truncatis, primariis aculeolis reversis, secundariis inermibus, julis suprathaceis recurvo-patulis spatias suas 5-6-plo superantibus; pedicellis e dorso spatularum, spathella et spathellula brevissimis suborbicularibus; fructu globoso vertice acuto chloroleuco, orthostichis 25. — Habitat in Bouion in freto Sunda.
37. C. SPICATABILIS Blume I. c. 55. 1.152. — Man. I. e. 336. adn. f. Scandens: aculeis vaginam in ocliream inermem productae brevissimis declivibus, petioli brevissimi et rhachios conico-subulatis reclis et reduncis paulo majoribus; pinnis paucis (utrinque sub-5) inaequidistantibus oblongis 5-?-nerviis, supra convexis et in 3 nervis marginem antrorsum selulosum, venis transversis conspicuis; spadicis (masc. supradecompositi patuli) loriferi pedunculo spathisque, praesertim supra aculeolis recurvis, spathellis minute aculeolatis et ciliatis; julis recurvo-patulis multi- (34-40-) floris; calyce obsolete tridentulato quam corolla triplo brevior. — Habitat in Tonolibus Javne occidentalis, ubi *Hooch Ommas* Tel *Hooy Omas*.

38. C. FLURIBUNDUS Griff. in M'Cleirand's Calcutta Journ. V. 56. — Mart. J.*c. 837. adn. f. I. Z. XVIII. fig. 11. 15. — Scandens: aculeis vaginae densis subulatis reclis sparsis et subseriatis o. basi albida spadiceis, interspersis setis nigris inaequalibus, praesertim in parte ventrali ad orilcium numerosis, petioli et rhachios robusti* deflexis aliisque brevioribus rectis reduncisque aggregatis vel sparsis; pinnis lineari-lanceolatis multinerviis, margine et superne in nervis 3-5 setuosis; spadicis (masc. supradecompositi) loriferi spatias gracilibus, inferioribus aculeis rectis rhachiosque recurvis, spathellis membranceis ciliatis et villosis-pubescentibus; julis recurvatis; calyce masculino acute semitriplo corolla duplo brevior; fructu...?

a.: spathellis glabrioribus et margine fere glabrescente; julis pluri- (ad 20-^et ultra) noris patulis; cupula spathellulari infra (lorem (mnsulum) monophyllo. — * *multiflorus* Mart.

?•• spathis secundariis et spathellis in margine evidentius ciliatis; julis brevioribus^bU3 et paucifloris. — Habitat in India orientali.

39. " C. POLYGAMUS Rxb. — Knlh. 1. c. 209. no. 19. — Mart. J. c. 337. adn. f.

40. C. JAVENSIS Blume, Rumphia HI. 62. tab. 137. D. - Mart. I. c. adn. f. tab. 113. 128. Caudice scandente tenui; aculeis vaginae infra pinnulam gibbosae in ochream membranicam ore pallide selosae exlensae parvis sparsis semicordatis pallide fuscis rectiusculis, petioli brevissimi supra fusco-hirtuli et rhachios reduncis; pinnis paucis (10-15) Inceolais enspidatis trinerviis inaequidistantibus et aggregatis, margine apicis setulosus, extimis connatis; loris completi« inferne «ubinermil»us; spadicis decompositi pinnigaii ramii remotis laxis nuantibus; spathis primariis gracilibus rhachique parce redunco-aculeolatis; julis rectis spatias suas 3-6-ies superantibus distichiOoris; fructu ellipsoideo (6^w) pallide ochraceo, orthostichis 20, 21; albumine aequabili. — *Calamus equestris* Blume

P- *firmus*: aculeis vaginarum magis approximatis latioribus, supra convexioribus; frondium segmentis late lanceolatis; pedunculo elongato binis ternisve spatias aculeatis (in a. una tantummodo spatia inermi aut superne modo parce aculeate) *aginato. — Habitat in Javae montanis udibus inter 800-5000' supra mare, ubi *Hooch Ommas* et *Jd* *iasula* Sumatra.

41. *C. TETRASTICHUS* Bunc I. c. tab. 153. — Mart. 1. c. adn. f — Caudice scandente; aculeis vaginae conferlis e basi nodosa complanalis subulalis rectis, pelioli pinnam imam subacquantis rhacheosque reduncis; pinnis paucis (sub - 10) inaequidistantibus suboppositis aggregatisque oblongo - lanceolatis cuspidatis trinerviis, margine apicis seiulosis, eximie connatis: loris completis loricis aculeolalis; spadiceis (polygamni-focminei decompositi) longe pedunculati spaihis primariis 2—4 redunco - aculeolalis, julis rectiusculis tetra-stichifloris spathas suas 3—4 - plo superantibus. — *C. Javensis* var. *tetraslichus* Lilume I. c. lab. 153. — Habitat in insula Borneo.
42. *C. MISIMEENSIS* Griff. I.e. 55. — Mart. I.e. adn.f — Scandens: vagina...?, peliplo...?; rhacheos dorso aculeis reclis retrorsis el anrsum brevioribus reduncis, margine minoribus rectis; pinnis aggregatis vel anticis alternim sparsis lineari - lanceolatis (15" long., 1"/i" lat.) plurimivis, apice obluso penicillalis, supra in nervis 5 sublus in rariua setigeris; spadice (foem.) decomposito lorifero aculeolis recurvia, spatha ima ancipiti margine aculeolala, superioribus loriculis subinermibus; julis (2—3") reclis spathas suas 2—4 - plo superantibus; fructu globoso (diam. 3—4") albo, orli-his 13—15. — Habitat in Indiae orientalis montibus Mishmi prope viciniam Tapan-Gain.
43. *C. HAENKEANUS* Mart. — Knth. I. c. 211. no. 32. — Mart. I. c. adn. f
44. *C. LJEVIKRONUS* Mart. 1. c. 338. adn. f — Scandens (?)...; vaginae infra petiolum gibbosae breviter el. oblique ochreae aculeis sparsis e basi incrassatae selformibus (1—3") rectis vel subrecurvis fusciculis, seisque versus ochreae parlem ventralom aggregatis; pelioli quam pinnae multoties brevioris rhacheosque aculeis sparsis reflexis; pinnis (12—16) inaequidistantibus paucis; imis el summis aggregatis loricari-lanceolatis longe acuminatis, charlacco - membranaceis laevigatis (venis x conspicuis), margine el carina ulrinque, supra in nervis 2 passim selulosis; lori completi filiformi? anlice redunco - aculeolali spaiha ancipite subinermi; spadice...? — Habitat in insula Luzonia.
45. *C. GRACILIS* Rxb. — Knth. I.e. 209. no. 21. — Mart. I.e., 338. adn. f
46. *C. FASCICULATUS* Rxb. — Knth! 1. c. 208. no. 18. — Mart. 1. c. f tab. 116. (lir. 4. 6.
47. *C. INSIGNIS* Griff. 1. c. 59. — Mart. 1. c. 338. adn. f — Gaudice gracili (erecto vel scandente?); vaginae oblique truncatae, infra petiolum gibbosae aculeis e basi incrassatae conicis sparsis (1—2") pallidis, pelioli teretiusculi et rhacheos reduncis, apice spadiceis^ pinnis paucis (8) distanter et irregulariter alternis. sursum majoribus, oblongis acutis, terminalibus ad Vae connatis, rhachi interjecta aculeolata, coriaceis, inermibus) raei(T apicem, multinerviis, venis transversis plurimis, supra convexis nitidis, subius concavis glaucis; loris completis filiformibus; spaiha ancipiti (1") inermi. — Habitat in Malacca, ubi malaice *liolang lihatu* dicitur.
48. *C. HUEGEUANUS* Mart. 1. c. 338. adn. t. Z. XII. fig. 3. f — Ab omnibus notis diversus videtur; sed quae siippetunt spadiceis paries phrasin diagnosticam non suppeditant. Spatha ima 10 - pollicaris, compresso - aniceps, truncata, aculeis sparsis et nonnullis transverse aggregatis crebris armata, semiconicis rectis vel reversis et, frequentius quam in ullo alio, tomenio ilocoso griseo adspersis imo omnino involutis, 1%—A" longis, infero roncavis. Spalvae superiores aculeis reduncis, teretiuscula. Rami juliferi erecto - paucis, 5—6" longi, rhachi flexuosa, spaihis partialibus sursum ventricosis ciliaribus brevibus. Juli inferne sesquipollicares, sursum breviores. Flores ei parte pedicellati e spaihella forma spuae antecedentiis, foeminei cum siaminibus effoetiis, cominiis lore ahorlivo. Calyx breviter et late irifidus, quam corolla plus duplo brevior, nervis panim conspicuis, huius segment ovalo - triangularia. Piliolum stihirilobum, squamis fuscis loricatum. Lora eorumque spaihao aculeis reduncis, ex partem scniivicillatis. Spadiceis forma el armaiura, praesertim ad *C. acanthospeitnum* a<...> dere videitur, sed differt aculeorum tomenio etspaihis secundariis ore amplioribus*...> evidentius acuminatis. — Habiat in India orientali.

• * *Pinnis non acuminatis, sed truncatis.*

49. * G. CARYOTOIDES A. Cunn. — Knth. 1. c. 212. no. 37. — Mart. 1. c. 33a adn. f tab. 116. fig. 7.

§. 3. *Cirriiferi* Mart. I. c. 338. — Frondium rhachi in cirrum aculeis nunc sparsis, nunc semiverticillatis reduncis arm a turn mutata. Hi cirri in rfrondibus imis subinde, deficere in superioribus et praesertim in iis, quae ex axilla sua spa die em promunt, adesse solent, ipsis pinnis nonnunquam deficientibus.

50. G. GEMINIFLORUS Griff, mss. ex Mart. I. c. 338. adn. f tab. 175. fig. 12. tab. Z. XVIII. fig. 18. Z. XXII. fig. 14.— Caudice elongato scandente; aculeis in vagina crebris sparsis brevibus conicis rectis pallid is, versus orificium nullis, in petiolo perbrevis et in rhachi parerioribus, inferioribus rectis, superioribus reduncis; pinnis subaequidistantibus linearibus acuminatis, margine subtusque subinermibus, carina supra setosis; spadiceis (fertilis composiis) pedunculo spaihaque primaria inermibus in vagina inclusis, julis multifloris elongatis (6—3") reflexis; spalhis floralibus brevibus scabriusculis bi-rarissime trifloris; fructu obovato, squamis dilute fuscis, margine expallidis, orthosticbis 32, 34. — Habitat in Malacca, ubi malaice *Rotang Dungul*.

51. * C. EXTENSUS Rxb. — Knth. 1. c. 209. no. 20. — Mart. 1: c. 339. adn. f

52. *C. QUINQUENERVIUS Rxb. - Knth. I. c. no. 22.— Mart. I. c. adn. f

53. G. MICRACANTHUS Griff, in M'Clelland's-Calcutta journ. V. 62. adn. — Mart. 1. c. 339. adn. f — Caudice scandente tenui; vaginae longiusculae cylindricae infra petiolum gihbosae oblique truncatae aculeis tenuibus setiformibus (1") nigris, transversim seriatis deciduis, petioli gracilis aculeis conicis parvis rectis et recurvis pallidit, rhacheos et cirri reduncis sphaelatis; pinnis sparsis inaequidistantibus (nee tamen fasciculatis) lineari-lanceolatis aristato-cuspidatis (10—12" long., 6—7" lat.) membranaceis, subnitidis, margine et utrinque in carina nervisque 2 (subtus frequentius) tenuiter setulosis; spadice ___? — Habitat in Malacca, nomine *Rolang Jarnang*.

54. G. LAEVIGATUS Mart. 1. c. ado. + — Gaudice scandente tenui; vaginae longiusculae cylindricae oblique truncatae breviterque liguliferae, infra petiolum gibbosae, laevis aculeis raris conicis rectis vel reversis pallidis; peiolo-subnullo, rhachi cirroque aculeis-sparis et confluentibus reduncis apice nigro-spadiceis; pinnis Inaequidistantibus et subfasciculatis lineari-lanceolatis breviter acuminatis laevibus, in margine nervisque sub-3 inermibus, subtus subglaucis, inflmarum pulvinis carilagineo-incrasatis; spadice ___? — Habitat in Malacca.

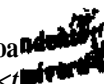
* C. GLAUDESCENS Blume, Rumphia III. 65. — Mart. 1. c. adn. f — Caudice scandente elongato; aculeis vaginae ore nudae* et petioli brevis (I—1¹A" longi) sparsis conico-auctolatis rectis fusco-pallidis, rhacheos sparsis vel 3—4-nis apice spadiceis reduncis; Pinnis utrinque 5—7-nis remote aggregatis lanceolatis breviter cuspidatis (5—7" long., 12—18" laO.tri — quadrinerviis, setuloso-ciliatis, caeterum glabris, subtus glaucis; spadice ___? — Habitat in sylvis udis insulae Borneo.

^ * C. MELANOLOMA Mart. — Knth. 1. c. 206. no. 6. — Mart. 1. c. adn. f tab. Z. XXII. fig. 8. — C. *anceps* Blume 1. c. 65. tab. 149.

* C. PLICATUS Blume I. c. 67. — Mart. 1. c. adn. f — Caudice scandente; vagina ad °s selis pallide fuscis (2—3") ciliata, peiolo perbrevis rhachique et cirro aculeis reduncis; pianis subaggregatis inaequidistantibus lineari-lanceolatis cuspidatis plicatis glabris, apice setosis (utroque latere circiter 12-13-nis); spadice....? — Habitat in tosula Celebes.

58. 'C. LATIFOLIUS Rib. — Kntb. I. c. 207. no. 9. — Man. 1. c. 339. f tab. 160. fig. 5.
59. C. PALUSTRIS Griff. I.e.60. — Mart. 1. c. adn. f tab. Z. XVIII. fig. 10. — Aculeis vaginae, rhacheos sparsis aut geminatis cirrique semiverticillatis reduncis, apice nigro-spadiceis; pinnis lineari-lanceolatis aculis (1' long., 18—22" lat.) suboppositis in greges remotos fasciculatis, nervis 5 (raro 7) supra prorainulis, in nervo medio supra inque margine seiulosis; spadiceis (masc. decompositi) spa this primoriis oblique truncatis rbacisque aculeis subulatis rectis inaequalibus (I—3'''), ramis graolibus julisque supraspathaceis; spathis secundariis inermibus aut parce aculeolatis; julis in ramo sub-10 recurvis spathas suas aequantibus^ spalhellis (in julio sub-24) dorso«cutis; corolla calycem triplo excedente. — Habitat in orae Tenasserim udis, propePular provinciae Mergui.
60. *C. RUDENTUM Lour. - Knth. 1. c. 210. no. 28. — Mart. 1. c. 340. ado. f
61. 'C USITATUS Blanco. - Entb. 1. c. 594. — Mart. 1. c. 340. adn. f
62. C. ADSPERSUS Blume 1. c. 40. tab. 142. (excl. D.) 143. — Mart. I. c. adn. + — Caudice scandente longissimo crasso (diam. 1''); vaginae infra petiolum gibbosae aculeis crebris e basi crassa fonicis rectis fuscis, ad orificium juxta petiolum densissimis, petioli breviusculi (4—6'') similibus, rhacheos tomento ochraceo adpersae'reclis et reduncis; pinnis plurimis subaequidistantibus lineari-lanceolatis acuminatissimis (7—11" long., 5—10" lat.) 3—5-nerviis, margine nervisque supra seligeris; spadiceis (foem. decompositi) elongati (7—9'J spathis primariis recto-aculeolatis, ramis, julis et fructibus supraspathaceis; fructu ellipsoideo (8" alto) pedicellate, tandem olivaceo-fusco, orthoslichis 18. — *Palmijuncus gramnosus* Rumph. — *C. oblongus* var. (S. Blume eieptis synonymo Rumphiano et descriptione Schultesiana. — Habitat in Javae occidentals montibus, ibi *Hoy-bogo* dictus.
63. C. PISICARPUS Blume 1. c. 39. — Mart. 1. c. adn. f— Gaudice longissime scandente, crfssitie pollicis; aculeia vaginae infra petiolum gibbosae longis sparsis, rhacheos cirrique crebris reduncis; pinnis haud multis inaequidistantibus lanceolatis cuspidalis (14—16" long., 2" lat.) nervosis, margine carinaque setuliferis, thrmis, supra convexis; spadice (foem. decomposite) elongato (8'); fructu subgloboso, magnitudine pisi fusci. — *Palmijuncus verm latifolius* Rumph, Herb. Amb. V. 106. 2. tab. 55. fig. 4. — *Rottang turn daun bezaar* vel *B. bulu* seu *R. Way-Ory* malaice. — Habitat in Ataboina.
64. *C. EQUESTRIS Willd. - Enlh. I. o. 204. no. 1. - Mart. 1. c. adn. f
65. G. GAESIDS Blume I.e. 57.— Mart. 1. c. 340. adn.f— Caudice alte scandente; frondibus subpetiolatis (4'); vagina ____, aculeis rhacheos tomento pulveraeo griseo-fusco adpersae in parte postica conico-subuiatis sparsis (3—5''') rectis, in antica cirroque conluentibus (1—1 %'') reduncis; pinnis per paacos greges remotos binil aggregatis lanceolatis breviter cuspidatis, utrinque decrescentibus (mediis 12" long., 2" lat.) 011111* nerviis, margine seiulosis, subtus caesiis spadice ___? — Habitat in insulae Borneo regionibus australibus; *Rottang Latong* a Ma lay is, *Oudjanjan* a Borneensibus dictus.

§. 4. *Dipluri* Mart. 1. c. 341. — Cirriferi et simul loriferi: spadice **nimi-**rum aut ex apice rhacheos primariae aut e ramo quodam in Jorutn excurrente. Cirri his quoque minus elongati et in quibusdam frondibus (inferioribus) deficientes. Arma cirrorum et lororum uti in antecedeBU* bus, attamen in *C. secundifloro* cirrus Joco aculeorum armatur unew oppositis e pinnis mutatis (ut in Desmonco).

66. *C. RHOMBOIDEUS Blume. - Knth. 1. c. 212. no. 36. - Blume, Rumpbia HI. ^{ed.} tab. 154.
67. C. PALLENS Blume, Rumphia III. 51. — Mart. 1. c. 341. adn. f — Candice soa  aculeis vaginae —, rhacheos solitariis distantibus brevibus recurvis, cirri 9<t

cillatis reduncis; pinnis utrinque decrescentibus (15—22-jugis) aequidiaiantibus elongato-lineari-lanceolatis subulato-acuminatissimis (7—12" long., 3—6" lat.) triner?iis, margine supraque in nervis, subtus in carina parce setulosis, subtus subglaucis et squamuloso-punctalis; spadicis (masc. compositi 4') breviter lorati rhachi spathisque primariis aculeis conicis ($\frac{1}{2}$ —2") reduncis, spaihis secundariis cyathiformi-tubulosis ore fusco-ciliatis; julis gracilibus (1—2V«") patentiissimis. — Habitat in Javae provinciae Cheribon sylvis montis Tjerimai.

«8. *C. ASPERRIMUS Blume. — Knth. I. c. 212. no. 35. - Blume, Rumphia III. 36. tab. 146.

«9. G. SECUNDFLORUS. Palis. Beauv. — Knth. I. c. 212. no. 39. — Mart. I. c. 341. adn. t tab. 116. fig. 12. 1.

t Species obsonrloros.

70. 'C. AUREUS Reinw. — Knth. I. c. 207. no. 10. - Mart. I. o. 341. adn. f

71. 'C. JHSCOLOR Mart.*- Knth. I. c. 212. no. 34. — fort. I. c. adn. f

72. * C. AUSTRALIS Mart. — Knth. I. c. 212. no. 38. — Mart. I. c. 342. adn. f

73. *C. YERUS Lour. — Knth. I. c. 208. no. 15. — Mart. I. c. adn. f

74. * C. DIOICUS Lour. — Knth. I. o. 213. no. 44. — Mart. I. c. adn. f

75. C. ALB US Pera. Enchir. I. 883. no. 6. — Mart. I. c. adn. f — Cfrlfer (nisi fortaaia *Daemonorops solenopatha*?) caespitosus: caudice scandente longissimo, digitos 2 crasso, albido, dein gilvo teretiuscuio, coslis duobus obscuris, aculeis vaginae seriatia inaequalibus, petioli (4—5') praesenim marginalibus reclis, rhacbeos 2—4 conOuentibus reduncis; pinnis (19—20' longis, 10—12' Jaiis) lineari-lanceolatis acuminatis plucuto-Irinerviis, utrinque margineque setulosis; spadicis (foeminei decompositi 6') pedunculo compresso aculeato; fructu globoso-oblongo virente, dein cinereo raagnitudine Pisi: semine compresso, hinc convexo, inde concavo. — *Palmijuncus albu** Rmph. Hb. Amb. V. 102. tab. 53. — Amboina.

76. C. SIPHONOSPATUS Mart. I. c. 342. adn. f— Caudice...?, frondibus...?; dioicus; spadicis utriusque sexus supradecompositi (passim loriferi?) spatbis primariis sursum infundibuliformi - dilatatis laxis oblique truncalis, in dorso aculeolis ($\frac{1}{2}$ —1") rectiusculis reflexis sparsis; rrfmis pyramidato - paniculatis; spaihis infundibuliformibus laxis inermibus, ramulis julisque supraspathaceis; spatheUs in rbaobi julorum (Va—1") filiformai - aitenuata flexuosa remotiusculis acutis spathellulisque brevibus. — Habitat in Manilla.

77. C. MAHGINATUS Mart. I. c. adn. f — Frondibus non cirriferis (an semper?); segmentis plurimis elongato-linearibus acuminatissimis (fere 2—A' long., 1" lat.), triner-vi», nervo marffinali cinctis, supra glabriusculis ad nervos 3 subtus setuloso-hirsutis; aculeis rhachium in dorso inferne sparsis, superne solitariis subrecurvis. — *Daemonorops? marginal*TM Blume, Rumphia III. 24; - Habitat in insula Borneo austral!, circa Huvium Dusson et prope Martapura, ibi *Rottang ohot*.

78. C. GRAMINOSUS Blume I. c. 31. - Mart. L o. adnot. t - Constitutus e *Palmijunco gvaminoso* Rmph. a *C. albu* Pers. segmentis frondium minoribus angustioribusque (ex Rumphia 11—12" longis, vix miriorem digitum latis) disUnctUs atque ideo *C. aikperso* Blume maxime affinis, cujus tamen caudex multo crassior. Aculei eju« molles, albi et sparsi. - Habitat in Amboina, *Rollang alea* malaice, *Ud Laun Sehi* amboinice.

79. *C. CAWA Blurae I. c. 81. - Mart. I. c. adn. t - Recipitur secundum *Palmijunci* •*quku*•sp. *Rottang Cwpo* Rumph. Hb. Amb. V. 112.

- 80 *C SGIPIONUM Lour — Knlh 1 c 206 no 7 - Mart I c adn f
 81 *C PETRAEUS Lour — Knth 1 c no 8 — Mail 1 c adn f
 82 *C AMARUS Lour — Knlh I c 213 no 43 — Mart I c 343 adn f
 83 *f MAXIMUS Blanco - Knth 1 c 595 no 49 - Mart 1 c adn f
 84 *C BLANC01 Knlh 1 c 595 no 50 — Mart 1 c adn f

LXI KORTHAISIA *Blume*

(Blume, Rumphia II 166)

Flores dioici, in spadice ramoso \el ramosissimo, spatkis pluribus m-completis vaginato, in amentis terelibus, intra biacteam squamaefoimem et bracteolas duas in cupulam connatas solitam *Masc* Calyx infidus, coiolla profunde tnpaitita. Stamina sex, filamenta ima cohaerentia, antherae Imeares, dorso supra basin affixae Pistilli rudimentum *Foem* Calyx mans Corolla tubulosa trifida Stamina sex aut plura in annulum sexdentatum fauci corollae insertum connata, anlhens effoetis Ovanum umloculare triovulatum, ovulo umco fertili StyfRs longus Stigmata tna bieMssima connata Bacca monospeima, squamis retiorsum Im-bncatis loncata Albumen . . ? Embryon ? — Palmae in syl-VJS Archipelagi Indici loca uvida a mantes cauehce *elongato* debili sarmentoso - scandente, \agims frond mm cyhndncis, supra petiolum in ocbream, interdum satis lon gam tubulosam, vulgo in opus fibiosum laxum solutam extenuatis ^eslto, frondibus pinnatiseclis, apice saepe in cirrum aculeatum excurrentibus aut segmento flabellato terminalis, segrnentis cuneatis aut subrhombeis subausatis, plicatis, antice Irregul-dnter dentatis, spadicebus lateralibus disticho-ramosis, spathis cyhndncis vagmatis

- 1 K RIGIDA Blume 1 c 167 f — Frondibus bre\issime petiolalis, segmentis cuneato-lanceolatis aut subrhombeis ncuminatis coriaccis, utnnque vindibus, ontice subdupli-cato-deniaus — Crescit in insulis Borneo et Sumatra
- 2 K ROSTRATA Blume I c p 168 f - Frondibus longe petiolntis, segmentis cuneato-oblongi? cuspidaiis membranaceis subtus albidis, anlice in egulariler spinuloso-denliculotis — Crescit in Boineo
- 3 K DLBILIS Blume I c p 169 f — Frondibus longe petiolalis, segmentis cuneato-lanceolulis tut rliombeis acunnatis membrauaceis, s>ubtus albidis, anlice irregulariter dentaiis — Crescit in Sumaiia
- 4 K ROBUSTA Blume 1 c p 170 f — Frondibus longe peliolalis segmentis rhombeis^el trapezoideis acuminate subconaceis, subius cacsns, anlice duplicalo-spinuloso-dentatis — Crescit in insulis Sumaiia, Boineo et Java
- 5 K ZIPPELII Blume l.c p 171 f — Frondibus bieviusculc pctioiatis, segmentis (sc-silibus) cuneato-oblongis aculis vet acumimlis conacei^, subtus alulaceis, antico>dupli-cato-spinuloso - dentatis, vaginarum ocbieis dense setoso - aculeatis — *Ceatolobus Zippelu* Blume — *C plicatus* Zipp — Ciescit in sjlvic litoieis Guineae Novae

LXII EUOEISSOIVA *Griff*

(Griff Calcutta Journ V 101 — Mart Hist natur Palmai HI 212 tab 179 180 a **tab**
 Z XIV)

Dioica Spadix termmalis elongatus contracto-thyrsoideus, spathis pluribus apertis vaginatus Flores solitam ramulos terminantes, spathel-Jis numeiosis in anthodn spec^gm ob\oluti Calyx cyathiformis tnden-

tatus. Corolla profunde tripartita, laciniis linearibus, aestivatione valvatis. Fl. mascul. stamina mdefinita (12), filamenta breviter, antherae elongato-lineares basifixae. Rudimentum pistilli nullum. Fl. foemin. stamina nulla, eorum loco crista vertice penicillata petalis infra medium adnata. Ovarium incomplete triloculare, ovulis solitariis erectis anatropis, duobus abortivis. Stigmata 3 sessilia. Fructus ovatus rostrato-mamillatus monospermus, endocarpio osseo quasi drupa, loricatus. Semen sulcis sex verticalibus 6-lobum. Albumen corneum aequabile. Embryo basilaris. •— Palma multiceps: caudicibus abbreviatis monocarpaeis. Frondes magnae, vagina et rachis dorso aculeis crebris sparsis, pinnatae, pinnis acuminatis reduplicatis. Spadix magnus erectus, spathe priorum ordinum aculeatis; inferioribus breviter cirratis, spathe inermibus floribusque fructibusque magnis fuscis. Loricae squamae castaneae mimerosae.

1. * ED. TRISTIS Griff. I. c. — Mart. I. c. f — In India orientali.

Will. KUSTROXY^{OS} Rottb.

(Kntb. Enumer. III. 213. — Wlprs. Annol. 1. 751.)

§. 1. *Sagus* Mart. — Semel fructificans. Spadix terminalis. Albumen ruminatum. (Knth. I. c. no. 1. 2. 3. 4.)

1. *M. LAEVE Mart. — Kntb. I. c. 214. no. 2. — *Sagus Coccois* Rmph. — Blume, *Rumphia* If. 147. f tab. 86. fit tab. 126.127.
2. M. SYLVESTRE Marl. Hist. nat. Palm. III. 215. f — Gaudice elalo, petiolorum aculeis brevibus dense setosis; fructibus (globulo sclopeli sane majoribus) subglobosis, utrinque depresso-planiusculis. — *Sagus sylvestris* Rmph. — *Sagus genuina* ^ . fructu perforate Gisecke. — In peninsula Gerama, in Amboina rarissimum.

S- 2.- *Pigafetta* Mart. — Pluries fructificans. Spadix lateralis. Albumen aequabile.

3. *M. FILARE Mart. — Knth. I. c. 215. no. 5. — *Sagus filaris* Rmpb. — Blume, *Rumphia* H. 154. f tnb. 128.
- <• *M.? ELATUM Mart. — Knth. I. c. no. 6. — *Sagus data* Reinw. — Blume I. c. 156. + tab. 128. fig. 1.

LXIV. BAPHIA Commers.

(Kntb. Enumer. III. 216.)

LXV. MAURITIA Linn. fil.

(Knth. Enumer. III. 217.)

LXVI. KIKPIDOCARYOI Mart

(Knth. Enumer. III. 220.)

Ordo CCXXXIV. PANDANACEAE *Meisn*

(*Meisn Gen* ꞑ *MSCUI I 359 N 2bH* — *PANDAMAE R Br - Knth Fnumer pi. omnium Iff 93-110 ft 583* — *Wlps Anntl I 752* — *Endl Gen pi p 253, Suppl I P 1370 II p 23, HI p 63*)

IFREYCMETIA *Gaudich*

(*Knth Enumer III 101 ft 585 - Wlprs Annal - I 753*)

- 1 FR I UZONKNSIS *Prsl Epimeliae botanicae p 238 f*— *Folns linoari lanceolatis costa subtus muigmeque upinoso-ciliatis, bracieis late ovaus coloratis longe cuspidato - acuminatis apicem veisus coslu margineque spinoso-ciliatib, spadibus mat<culi> pedunculatjs, biactoa brevionbus*

(*J heterophylla folns undique, basi ima crebnus spinoso - ciliatis et in vaginam ochreaefonnem t>canosani albam dihtitis, supremis inguste lineanbus (duas lineas 17119) bractei? extimis spinoso nltis — II ilutnt in insula Luzon*)

VI PHYTEIiEPH%S *Rz. \$ Pav*

(*Knth Enumer III 109 - Wlprs Annal I 754*)

Masc Spadix specie simplex cylindncus, pedunculo squamis nullis mstructOp rhachide fionbus densi^simc obtecta Floret in proininentus rhachidis bicMbus (lamis decuitatis) arcte ^lomerati, bractea et calyce minimis, satpc delrte^centibus Bractea o\i\id conca\ a Sepila tna, duo lateralia mdjoia, biactcac Emilia, teihum postiuim illis tectum Stamina uumerosa (36) e toro UlamcnUi hlifoimia Antherac lineaias erectae, fere basifixae, biloculares, connecti\o mucronulatae. Pollen ellipticum, longitudmahter sulcatum *toem* SpadiY simplex, squamis complunbus bpiratim dispositis obsc^sus, veiticc flores nonnullos gerens, intei squamas absconditos, qui constant pi^tillo et staminibus numerosis llnd cingenlibus, anthens sUnlibus Ovanum subglobosum oculis aut 5 (quoque 3 aut 6?) umovulatis SI\lus termmalis erectus, apice tnpartilus, crunbus subulatis, unico simplici ranusve bifido. buns bifidis, diMsionibus inlus stigmatosiis Ovula . ? mtegmento duplici Drupac nonnullac in capitulum maximum ponderosum aggregatae depiesso-^lobosae deorsum cuneatae angulatae subpentagonae muncato tuberculatae Pt malurae cnsso-coiticatae, tuberculis sursum majonbus, longitudmalitei fibrosis et in parte supra verhcem fructus convergentibus, quadn- et qumque-(et 3- aut 6-?)loculares Semina in oculis solitana, e fructus anguhs centralibus oblique ascendentia, **hilo** magno convexo cicatncoso, oblongo-obovata, mtrorsum bifacilia Testa crassa os^ea la^yigata. membrana mtema vasis **rarao-**

sis percursa Albumen osseum solidum Embryo penphencus, juxta hilum subbasilans Germinatio per coidam elongatam reraotiva. (Mart. Histor nat Palm III 306.)

- 1 ^aPH MACROCARPA Hz ft Pav — Ruth I c no 1 — Hook. Kew gard raise I 206
t tab 6 fit 7 — Van Houtte, Flore des series V tab 49b. a 497

VII. STIPA Rumph.

(Knth Enumei III 110 & 589 — Wlprs Annal I 754)

- 1 'N PRUTICANS Thnbig - Knth 1 c no 1 - Wlprs I c no 1 - Blume, Rumphia III 77 f tab 105 164 fit 165

f Genus ex ordme expellendum

PAISDANOPHYLIUM (Uskil (Wlprs Annal I 755) ex ordme lemovendum omninoque deJendum est, nam PANDANOPHYLLUM HUMILfc Hsskil = HYPOLYTHRUM GOM-PACTUM N abb (Wlprs Annal I 903 no 1)

Ordo CCXXXV. TYPHACEAE DO

(End! Gen pi p [^]40 — Mtisn Gen pi vascul I 360 II m — TYPHINEAE Juss — Kmh Enumer pi omn III 88—92 & 583)

II. TIPA Linn.

(Knth Enumer HI 90 & 583)

- 1 T GRACILIS Jord^o domes Kkolte's en 1849 au Jardin botnnique de Grenoble p 24 no 36 f— Spicis breviter cylindncm saepe basi subclavatis paulisper remotis, foemineo rufo flnmenloso bncteis filifoimibus apice piululum dilatatis setas breviter superantibus, stigmatibus anguste linear - aitenuaio longe ultra setas emergence, fructu iusiformi angustato longe stipnato, loins angustus&ime liueanbus, inferno leviter canaliculaus culmo floienie tenui saepe abbievjato mulio longionbus — Habitat in Rhodam msulis et ad npa« prope Lugdunum Gallorum
- * T ORIENTALS Pi si Tpuseliae bolinicie pag [^]39 f — *bolus* linearibus angustalocutis plains ciulem Qonfeium supenntibus, [^]pidicibus conliguis, masculo linear spatha folufoitni suffullo foemmeo Jinean - elliptico (digilum auriculaiem crasso) — Habitat in insula Zebu Philippinarum
- j¹ T BUNGEANA Prsl I c f — Folsn caulis Honfen linearibus obiusis, caule multoiiies brevioubus, spadicibus contiguis, foemmeo subgloboso-elliptico, masculo linear foemiaeum duplo superante — *T mmoi* Bnge — In China boreali
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Ordo CCXXXVI. ARACEAE *schott.*

(AROIDEAE Juss — Endl. Gen. plant, p. 252.; Suppl. I. p. 1970.; II. p. 23.; III. p. 62. — Meisn. Gen. pi. vascul. I. 360. II. 268. — Knth. Enumer. plant, omn. III. 1—87. 581. ft 637. — Wlprs. Annal. I. 756.)

**Subordo I. JMMOMDMAM VEMJLE R. Br. -
Knth. Enumer' III. p. 9.**

Tribus I. LEMNACEAE Duby. — Knth. 1. c.

I. WOIFFIA *Horkel.*

(Kntb. Enumer. III. 4. — Weddell, Ann. sc. nat. [3. Ser.] XII. 169. t. 8.)

1. W. MICHELII Schleid. — Weddell I. c. 170. — Fronde subglobosa plerumque solitaria laevi, rima basilari integra. — *Lemna arrhiza* Linn. Mant. 294. — *Lenticularia omnium minima* Mich. Gen. 16. tab. 2. fig. 4. — Habitat in aquis stagnanlibus in Italia, Belgio, Hollandin ft Gallin (circa Parisios).
2. W. DELILII Schleid. Linnaea XIII. 389. — Weddell I. c. — Frondibus ovalibus tenuissimis geminatim oppositis, labio inferiori rimae basilaris producto appenso hynlino. — *Lemna Jiyalina* Delile mss. — *L. arrhiza* Willd. Hb. 17141. — In Aegypto.
3. W. BRASILIENSIS Weddell I.e. 170. tab.8.— Frondibus ovntis solitariis geminatisque, epidermide nodulis punctiformibus inspersa, rima basilari inappendiculata. — In Brasiliae mediae fl. Rio - Paraguay.

Tribus II. PISTIACEAE Rich. — Knth. 1. c. 7.

V. PISTIA *Linn.*

(Kntb. Enumer. III. 7. - Wlprs. Annal. I. 756.)

1. P. AFRICANA Prsl. Epimeliae botanicae p. 240. f — Foliis sessilibus obovato - obcordatis novemnerviis, basi lata utrinque tomentoso-hirsutis, nervis supra elevatis, subtus crassis lamelliformibus; spadice antheras vix superante. — JP. *Sratiotes* Dre'ge. — Habitat ad Gaput bonae spei.
2. P. AMAZONICA Prsl. I. c. f — Foliis sessilibus obovato - cuneatis septemnerviis, basi lata, apice undulatis, utrinque canis, supra dense pubescensibus, subtus tomentosis nervis supra internis, sublus late lamelliformibus; spatha glauca.¹ — *P. Sratiotes* Berchtold. — Habitat natans in stagnis fluvii Amazonum ad Para Brasiliae.
3. P. WEIGELTIANA Prsl. 1. c. f — Foliis petiolalis obovato - lanceolatis minute retusis glanduloso-mucronulalis quinquenerviis, basi utrinque glabris, nervis supra internis subtus tenuiter angusteque lamelliformibus, demum nudis; spatha glauca. — *P. Weigeltiana* Notes Weigelt. — Habitat in stagnis fluvii Surinami.

Tribus IV. *DRACUNCULINAE* Schott. — Knth. 1. c. p. 14.X. *ARISAEMA* Mart.

(Knth. Enumer. III. 15. a 581. — Wlprs. Annal. I. 757.)

1. A. (ARUM Grab. Cat. pi. Bomb. 229.) MURRAYI Hook. Dot. Magaz. tab. 4388. — Foliis peltatisectis, segmentis 5—6 ovato-lanceolatis acuminatis, copiose penninerviis nervoque intramarginali; spathae parte inferiore in tubum lalum connata (viridi), superiore ovata convexa subcucullata acuminulata alba, macula transversa rubra; spadice subulato flexuoso vix spathae tubo longiore — In India orientali ad Bombay.
2. A. ENNEAPHYLLUM Hochst. in A. Rich., Tentam. flor. Abyssin. H. pag. 352. — Radice tuberosa farinosa; foliis longe petiolatis vaginatis pedato-enneophyllis, foliolo elliptico-lanceolatis, apice longe acuminatis, basi sensim angustatis integris glabris; spatha terminali basi convolute ovoideo-tubulosa, superne auriculiformi callosa alba; spadice incluso unisexuali (masculum inntum perscrmatum) apice brevi nudo; antheris erebris sessilibus apice biporosis. — Habitat in Abyssinia prov. Semiene.

+ **Icon addenda.**

- A. DRAGONTICUM Schott. — Knth. 1. c. 18. no. 16. — Torr. Flor. of New York II. 240. f. tab. 123.

XII. *ARCM* Linn.

(Knlh. Enumer. III. 23.)

- V A. ABYSSINICUM A. Rich. Teruam. flor. Abyssin. p. 352. — Radice luberoso-carnosa depresso-globose; foliis . . . ; spatha radicali pedunculate, basi convoluta, parte superiore ampliatâ erecta, margine superiore obtusa et subrevoluta atrosanguinea, facie interim extremaque glabra; spadice apice oblongo clavato nudo; carpellis numerosis partem spadicis inferiorem obtinentibus; floribus abortivis nullis; siaminibus (floribus Qiasculis) numerosissimis sessilibus, apice biporosis. — Habitat in Abyssinia Inter petras in comrade fluvii Tacazze.

XV. *SAUROJATIUM* Schott.

(Knth. Enumer. III. 28. — Wlprs. Annal. I. 757.)

- *. "S. GUTTATUM Schott. — Knlh. 1. c. no. 3. — Hook. Bot. Mag. lab. 4465.

XVI. *IMFTACCWCUIUS* Tournef.

(Knlh. Enumer. III. 29.)

- ^l "OR. CRINITUS Schott. — Knth. 1. c. 30. no. 3. — Van Uouue, Flore dea Mrrea V. t. 445. 446.

Tribus V. *CALADIEAE* Schott. — Knth. 1. c. 35.XXIII. *PELTAJSTRA* Raf.

(Knth. Enumer. III. 43.)

I. 'P. VIRGINICA Raf. - Knlh. 1. c. no. 1. — Torr. Flor. of New York II. 241. f t. *24.

XXIV. *XAOTHOSOMA* Schott.

(Kntb. Enumer. III. 44. — Wlprs. Annal. I. 759.)

1. X. MEXICANUM Liebm. Videnskabelige Meddelelser for Aarene 1849 og 1850. pag. 15. no. 3. — Acaule: foliis sagittatis vix pedalis, petiolo 3—5 poll, longo, lamina ad insertionem petioli 6 poll, longa, ad apicem lobi basilaris 9 poll, longa, 6—7 poll. lata. abrupte in acumen acutissimum attenuata, lobis basilaribus divaricatis angulato-acutis, sinu amplissimo, margine undulato, costa media utrinque convexa, nervis validis 6 rubescentibus, utrinque prominentibus percursis, petiolo compresso basin versus dilatato canaliculato*; pedunculo 4—5-poll. tereti cano-pubescente; spatha 4—6 poll, longa lanceolata nuda medio constricta violacea, limbo subcucullato flavo, extus imprimis in parte inferiore pubescente, intus glabro; spadice spatha parum brevior 3^lA—4 poll, longo pennam cygnem crasso cylindrico, apice parum attenuato. — Habitat in parte orientali prov. Oajaca Mexico.

XXVIII. *PHILODENDRON* Schott.

(Knth. Enumer. III. 46. — Wlprs. Annal. I. 759.)

1. PH. STRIATIPES Knth. ft Douche¹, Index sem. in hort. bot. Berolin. a. 1848 collectorum p. 11. no. 2. f — Acaule: foliis longe petiolatis oblongis acutis, leviter et inaequaliter cordatis, subcoriaceo-carnosis, subtilissime pellucidulo-punctulatis, petiolis olivaceo-striatis, scapum tereti-compressiusculum nullo superantibus; spatha convoluta, in femore ventricosa, superne angustata, flavida, leviter recurvata, spadicem superante; antheris per senas connatis, sub vertice conveio prominulo poris dehiscentibus; ovariiis trilocularibus, pressione mutua angulalis distinctis, vertice pluniusculo, margine parum prominulo, lobulato-crenulato; ovarii loculis sexovulvatis; stigmatibus sessilibus, obsolete lobato adpresso. — *Caladium diversifolium* Hort. Pelropolit. — Habitat in Brasilia.
2. PH. PERTUSUM Knjh. ft Douch. 1. c. no. 3/) — Rhizomate scandente; foliis longe petiolatis, cordato-subrotundo-ovatis pinnatifidis biseriato-pertusis carnosocoriaceis, laciniis late linearibus falcatis, oblique acuminatis, petiolo dorso verrucoso-submuricato, superne complanato-ancipile et alato, apice undulato; spadicibus ... ? — *Ph. pinnatifida* Knth. proximum. — Folia 3—4-pedalia. — *Ph. anatomica* Hortulan. — Guatemala.
3. PH. INAEQUILATERUM Liebm. Videnskabelige Meddelelser fra den naturhist. Forening i Kjøbenhavn for 1849 og 1850. p. 16. — Gaulescens scandens radiens: foliis petiolatis 20—22 poll, longis, medio 6 poll, latis, oblongis parum inaequaliter apice breviter obovatis acutis, basi late cuneatis, margine integro leviter undulato, antice laete vin-

¹) Nuperrime (Bot. Ztg. X. 277.) haec planta remota et *Monstera Lennaea* (nob.) C. Koch salutata est.

dibus, postice pallidioribus, costa antice applanata, postice prominente Bemiterete, nervis 13—14 cujusque lalens porallelis in ipso margine confluentibus, petiolis 6—?. pollicanbus semiteretibus alatis antice canaliculatis — Habitat in Mexico (provincia Vera Cruz)

- 1 PH DAFMONUM Liebm I c p 17 — Gaulescens scandens radicans foliis longe petiolatis cordato-hastatis 1¹/₂—2-pedalibus, petiolis 8—10 poll longis subteretibus, antice leviter cinaliculatis, lamina 11—13 poll longa, 4—7¹/₂ poll lata, apice acuminata acuta, lobis basilaribus distinctis parum deorsum productis rotundis sinu parabolico, costa media utrinque prominente convexiusculo, nervis utriusque latens 6—7 antice immersis, postice prominulis percurta, utraque pagina concolor laete viriditatis, spatha 6—7-poll. canacea crassa cylindrica arclissime convolute, apice acuta, medio leviter vincta, basi sensim in pedunculum transeunte, margine membranaceo, pallide virente purpureo-maculata, spadice toto incluso 6 poll longo digitum crasso cylindrico apice parum alieno obtuso, pedunculo brevi cylindrico — Habitat in Mexico (elevatione 3000 ped), Miradoi, Colpa etc
- 5 PH ? SAGITTIFOLIUM Liebm I c pag 17 — Gaulescens scandens radicans (bins longe petiolatis elongato - sagittatis bipedalibus, lamina ad insertionem petioli 15-poll. cari, ad apicem lobi basilari 18 poll longa, 6 poll lata, apice acuta, lobis basilariibus divaricatis valde deorsum productis, ab insertione petioli ad apicem lobi 4—4¹/₂ poll, subangulato-obtusis, sinu profundo e fundo acutiusculo sensim curvato-ampliato, costa media lata utrinque leviter prominente, nervis obsolete subimmersis, color antice obscure viriditatis, postice pallidioribus, petiolo compressiusculo, inflorescentia ignota — Habitat in Mexico

Tribus VI. ANAPOREAE Schott. — Knth. 1. c. p. 52.

XXXI* STAUROSTICMIA Scheidwlr.

(Scheidw in Otto ft Dietr. Allgem Gartenztg XVI 129)

Spatha recta, basi convoluta, limbo lanceolato. Spadix monoicus, a summo ad medium flonbus masculis sparsus, idferne foemineus. Genitibus rudimentariis nullis, appendice stent nulla. Masc. Anterae connectivo crasso compositae bilobae uniloculares, apice uniporosae. Foem. Ovarium basi annulo cinctum quadriloculare, ovula in loculis solitaria, basilari anatropa. Stylus nullus; stigmata quatuor cuicuatim divergentia. Fructus . . . ? — Herba perennis lactescens. Radix bulbosa, scapus radicis, folia sessilia bipinnatifida

- 1 ST ODORUM Scheidw 1 c 129 f — Acaulis foliis bipinnatifidis, lacinis lanceolatis undulatis subsessilibus cuspidatis; scapo recto squamato, foliis brevioribus, spatha spadici aequilonga lanceolata acuminata erecta, spadice cylindrico subcaudato — Crestt Brasiliae prov. Sti Pauli

Tribus VII CALLEAE Schott. — Knth. 1. c. p. 58

MXVII MOBSTER A Adatu

(Knth Enumer. HI 60 - Wlpr. Annal I 761)

- 1 M DEICIOSA Liebm Videnskabelige Meddelelser fra den naturhist Forening i Kjobenhavn for 1849 og 1850 pag 19 — Caulis scandens radicans aliculata foliis

longe petiolatiffi; petiolis bipedalibus, basi subterrelibus, sursum compressis, apicem versus amice applanalis, dorso convexis, marginibus undulato-dilatatis atro-papillosis, lamina 2/3—3-pedali ovato - cordata pertusa, in junioribus margine inlegro, in vetustionibus pinnatifido, Inciniis falcatis antice truncatis acutis, forminibus pluriserialis oblongis inter nervos mediis, costa amice canaliculata posice conveia, nervis validis utrinque convexis prominulis, utraque pagina atroviidi laevi corhcen; spndicibus pluribus axillaribus, 8 poll. longis, 4—5 poll, in peripheria, viremibus; pedunculis pollice crassioribus 6—3 poll, longis nigro-papillosis; spathis 8-pollicaribus cymbaeformibus crustaceo - pergamentaceis rigidis crassis albis, siccis fragilibus, demum deciduis. — In Mexico.

XL. SCISTDAP&US Schott.

(Knth. Enumer. HL. 61. — WIprs. Annal. I. 761.)

1. SC. HAENKEI Prsl. Epimeliae boianicae pag. 240. f — Caulescens: caule tereti; foliis ovalibus am ovato-oblongis acumlnatis mucronaiis indivisis, basi rotundatis, petiolis elongatis usque ad medium in vaginam scariosam dilatatis; podunculis axillaribus solitriis petiolum aeqnuntibus; spaiha ovnta cucullna acuminata spadice iriente superante; flonbus pseudohermaphroditis subtetrandris. — *Caladium seguinum* Prsl. (excl. omn. suionjmis.) — Habitat in insula Luzon.
2. SC. INAEQUILATERUS Prsl. I. c. 241. + — Caule scandente ramisque ancipitibus; foliis brevier petiolalis oblongo-lanceolais acuminatis coriaceis inlegris inaequilnteris, basi obtusis, petiolis usque ad medium in vnginm dilatatis; pedunculis terminalibus petiolo duplo iriplove longioribus; spalba ovata obtusa demum reflexa; spadice cylindrico gynobasico spatham demum superanie; floribus liermaphroditis hexandris. — Habitat in inaulue Luzon provincia Albay.

Subordo II. *OHOIVTIJICEAE* R. Br. — Knth. 1. c. p. 64.

Tribus VIII. *ORONTIEAE* (*Orontiaceae legitimaej*. Knth. I. c.

XLI. *GONIURUS* Prsl.

(Presl, Epimeliae botanicae pag. 244.)

Spatha foliacea reflexa persisteua. Spadix gynobasicus (supr^a spatham), linear-filiformis geniculato-fleiosus, floribus distantibus ad angulos extus rhach. eos positis solitariis peminisque hermaphrodite³ Perigonium sexpartitiim, laciniis subrolundis. Stamina sex, inclusa, perigonii laciniis¹ opposita, filamentis oblongis planis, antheris terminalibus biloculanbus sul)globosis. Ovarium subglobosum unilocular[®] uniovulatuin, ovulo wecto obovato-clavalo. Stigma terminale maximura peltalum, obsolete trilobum velutinm. Bacca globosa unilocularis ~~in~~

nosperma. — Frutex ramosissimus: foliis petiolatis oblongo-lanceolatis acuminatis inaequilateris subfalcatis; pedunculis e ramulo infrafoliaceo prodeuntibus.

1. * 6. LUZONENSIS Prsl. I. c. f — Habitat in insulae Luzon provincia Pangasanar.

XLII. POTHOS *Linn.*

(Knth. Enumer. III. 65. ft 583. - Wlprs. Annal. I. 762.)

1. P. LONGIFOLIUS Prsl. Epimeliae botanicae pag. 242. f — Foliis anguste lanceolatis acutis callosoraucronatis, petiolo phyllodineo apice truncato duplo iriplove longioribus; spadice obovato-subgloboso gynobasico exserto recurvnto-deflexo; spalha ovata obtuso mucronata reflexa. — Habitat in insula Luzon.
2. P. ANGUSTIFOLIUS Prsl. I. c. p. 243. + - Foliis linear! - lanceolntis oblusis callosomucronulatis, petiolo phyllodineo apice rotundato retusove aequilongis aut dimidio longioribus; spadice globoso gynobnsico exserio recuivalo-deflexo; spalha ovata acuta reflexa, apice subcucullatn. — Habitat ad Maulmine Martabaniae.
3. P. MICROPHYLLUS Prsl. I. c. p. 243. f — Ramulis leretibus, apice quadriquetrif, sob basi peiolorum radices n 6 re as stellatas protrudentibus; petiolis phyllodineis llinearibus (sesquipollicanbus, semiterliam lineum latis) apice rotundatis; foliis llinearibus obtusis callosomucronalia, petiolo angustioribus et duplo triplove brevioribus, basi rotundatis. — Habitat ad Maulmine Martabaniae.
- i. P. CYLINDRICUS Prsl. I. c. p. 243. t — Ramulis alternatim piano-convexis; foliis distichis ovato-lanceolatis oblusis callosomucronulatis, basi rotundatis, petiolo phyllodineo lineari-cuneiformi, apice emarginaio triplo brevioribus; spadice terralnali cylindrico sessili erecto exserto; spalha lineari-lanceolata mucronata reflexa. — Habitat in insulae Luzon provincia Albay.

XLIV. AITHEUM *Schott.*

(Knib. Enumer. HL. 67. - Wlprs. Annal. I. 763.)

- 1 A. UMBROSUM Liebra. Videnskabelige Meddelelser fra den naturhist. Forening i Kjøbenhavn for 1849 og 1850. pag. 21. f — Acaule: foliis longe petiolatis, lamina petiolo multo breviora horizontali cordata - ovata acuta coriacea nitida, sub lente punctulata pedalinervia, lobis basilariibus longe productis rotundatis subparallelis, sinu amplo distantibus; petiolis lamina subduplo longioribus compressiusculis teretibus, antice canaliculatis, inJeribus planis, dorso convexis serialis, apice incrassato-teretibus; spadicibus longissime pedunculatis erectis; spatibus spadice dimidio brevioribus remotus lanceolatis aculis patulis demum recurvis. — Habitat in Mexico.
- 2 A. ANDICOLA Liebm. I. c. p. 22. f — Acaule: foliis longe petiolatis, lamina petiolo breviora late cordata acutata undulata - repanda coriacea nitida epunctulata pedalinervia, lobis basilariibus rotundatis e sinu infimo sensim ampliato truncato - rotundatis subparallelis aut leviter conniventibus, petiolis acuiangulis antice canaliculatis, apice vix tumidis; spadicibus ereciis cylindricis obtusis longe pedunculatis; pedunculis folio

brevionbus angulatis, spntha spadice parum brevjore approiiraata late lanceolata acua potuln — Habiiat in Mexico

- 3 A MEXIIANIM Liebm I c Zi f — Acaule folns breutei peliolatis obovato-oblongis obiusis, basin \eius valde augustais, conaceis niudissimis penmnerviis, nervis pnmmai us uinnque 12—14 in ipso marginc confluentibus, cosln antice acutangula, postice ciassiuscula suisum convexa, basin \eius dorso cl latcnbus plants, peliolo an Lite leutu canaliculalo acute niargmulo, postite piano, Intenbus compiessis plains, lamina lolu 21—30 poll longa, 9—10 poll lata, peliolo 4—b-pollicau, pedunculo bipedali tercii, spadice 3—4-pollican digiium ciasso attenuaio spaiha ullexa bipollican poll lala torta — Ab A *crasmervio* differ! jam folns oblais — Habitat in Mexico
- 4 A AMOEMM Knth ft Rouch Index sem in hort bot Berol a 1848 collectorum p 11 no 4 + — Caule valde abbrevialo eicclo ladicante, fulns longe petiolatis oblongis acummatis, basi tolundatis, penmneivns, nervis lateialibus remote a maigme conflu en ti bus, lieibaceis (exciccatis memhinnaceis) opacis, subtus pallidioubus, cosla aubtus rotundato-prommente, peliolis scapisque leietibub, his illos folio btevioies superantibus, spiiha pmuin lemon ovato-oblonga acua subcordata &ei»sili planmscula, spadicem cjlinducum subaequanle, denoum revolutu — A *longifoho* Knih proximum videtui — Habilai in (aracas
- 5 A SURINAMENSL Miqu Stirp Surinam select 211 + — Laule scunclenle ladicante, peliolis ima bæ»i subvaginantibus, caetciuin canaliculaus apicccque subidentaiis, foJus oblongo - hnceolaiis ulrmque aculis, vems eiecto-palulis densis subieliculatis fere in ipso margme coniluenlibus spadice cylimlnco obtuso quam peduuculus fere duplo longiore, spatlia decuntnte - Giescil in Surinam

XLVa HYDXOSTACHITOiy Liebm.

(Liebm Videoskabelige Meddelelser fru den naiurh Foiemng i Kjdbenhavn for 1849 og 1850 pag 23)

Spatha ioliacea peisisleiiib totlileaiifonms, apicc lfbeia, basi cum pedunculo connata deuiireiib. Spadi\ supia spalhani pleiumque pediceJlatus cjhnducus, flonbus hcimaplnodilis obsitub Pengoniuni 5—8-phylum, ph)lhs apictj tiucatis cucullalo-mflexis. Stamina 5—8 libera, tilamenhs bieMSSinns vcl subnullis, anthers biloculanbus, oculis nma longitudinali dehi^centibus, polhnc oblongo albido longiludnidliterflexuoso stnato. Ovanuin umloculare, o\uhs a\i appensis. Stigma sessile truncatum obsolete lugonum. Baccae cylindnco-pyianuddtae lObtratac, uniloculdibs 5—6-spennae Sciuma ovata albuminoša, funicuJis longiusculis affixa, horizontalia htmianatiopa — Heibae acaules. Jfolia oblonga jntegra pbendopenninervia, petiohs loni?ii> longe vagirrantibus Floies buaveolentes Spatha mliib alba, extus \indis, spadi\ vmdis

- † II COF HLCARISPATHUM Liebm I c p 24 no 1 f — Acaule folna oblongis mteggemis, basi lotundato-obtusis paiura in peliolum decurrenlibus, apice abruptie apiculatis, | etiolis >>ursum subleretibus, deoisum longe vagmanlibus, spadibus longe pedunculatis, pedunculo supia spathnm non conlinuato, cvlinth ICIS obtusis, ovanis rostrate, spithu, cochlcancfoimibus oblongo - lancpolalis ncutis, babi cum pedunculo connatis obtusis, valde mfia spadicom piodmtis — Lamina 18—22 - pollicans, 7—⁸ poll lala — Ilnbiiai in Mexico (ad Mnadoi) eevaluatione 3000 pedum

2. H. LONGIROSTRE Liebm. 1. c. no. 2. f — Acaule: foliis longe petiolatis, lamina elongata - lanceolata integerrima, basi rotundata vel leviter cordata, apicem versus sensim attenuata acuta, petiolis sursum subteretibus deorsum longe vaginantibus; spadicebus longe pedunculatis, pedunculo supra spatulam continuato, cylindricis obtusis, spatula triplo brevioribus; ovaribus longius et acute rostratis; spathis elongato-lanceolatis cochleariformibus, utrinque attenuatis, apice acuminatis acutis, basi valde infra spadiceum produciis, in pedunculum longe decurrentibus, demum cucullato - ret] ex is. — Lamina 30-pollicaris, 9 poll. lata. — Habitat in Mexico.
3. H. BREVIROSTRE Liebm. 1. c. p. 25. no. 3. f — Acaule: foliis oblongo-lanceolatis acutis, basi inaequaliter in petiolum primum decurrentibus, marginibus undulatis, petiolis lamina brevioribus sursum subteretibus, deorsum longe vaginantibus; spadicebus longissime pedunculatis, pedunculo supra spatulam continuato, spatula 3—4-plo brevioribus cylindricis obtusis; ovaribus breviter rostratis; spathis late ellipticis cochleariformibus, apice abrupte longe acuminatis, basi cum pedunculo connatis, infra spadiceum produciis. — Lamina 10—14-pollicaris, $4\frac{1}{2}$ —5 poll. lata. — Habitat in Mexico.
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Subclassis II.

HELOBIAE Meisn.

(Meisn. Gener. plant, vascul. I. 363. II. 271.)

Ordo CCXXXVII. FLUVIALES Vent.

(Kitb. Enumcr. plant, omn. III. HI. ft 590. — Wlprs. Anna]. I. 766. — NAJADEAK A. Rich. — Endl. Gener. plant, p. 229; Suppl. I. p. 1368; II. p. 23. — Meisn. Gener. pi. vascul. I. 363. II. 271.)

X. POTAMOGETOK Linn.

(Knl. Knunr. III. 127. — Wlpra. Annal. I. 76H.)

1. P. NATANS Linn.—Knth.l.c.no.1. — (3. Engelm. & Gray, Boston journ. V. 263. — Foliis inflmis elongato-lanceolatis, ulrinque acuiissimis pellucidis, breviter petiolatis, sequentibus iongius pctiolaiis, sñsim mogis oblongis et coriaceis, summis natantibus oblongis ellipiicisve; fructibus leniculari - compreasis, margine acutiusculis. — In re publica Texensi.
2. P. MUCRONATUS Prsl. Epimelie botonicaop.245.f — Gaule gracili tercti; foliis submersis petiolatis lineori-lanceolatis linearibusque acutis cuspidato-mucronalis membranaceis trnspnrentibus novemnorviis transverse venosis, margine undulnio-crispis, basi obluais, superioribus opposilis, petiolis simplicibus; stipulis acuminatis; pedunculis alanbus, petiolo (supfo tñplove longioribus erectis; *spicia* cylindricis; floribus verticillato - glomerntis. — Habitat in insulae Luzon provincia Naeva Ecija.
3. P. NIAGARENSIS Tuckerm. Dot. Zeit. VIII. p. 529. — Caule complanato ancipiti rigidiusculo rumoso; foliis omnibus submenu's membranaceis, flrmioribus linearibus, *versus* apicem sensim uttenuatis, apice acutis mucronulutis, basi attenuatis subpetiolatis subtrinerviis; stipulis late linearibus membranaceis acutiusculis, demum laceris; pedunculis compressis clavnlis brevissimis; fruclibus recentioribus lenticulori-compressis oblique subrotundo - ovalis stylo apicali mucronatis, dorso deorsum curvato acute late • alato-carinoto, carina sup erne subgibboso-producta sinuato-dentata, lateribus convexiusculis, in faciem subulalo - carinntam declivibus. — Habitat in America septbnirionali in fl. Niagara.
4. P. PULCHER Tuckerm. Dot. Zeit. VIII. 496. — Caule simplici verruoso; foliis omnibus petiolatis, submersis membranaceis pellucidis, inflmis ovalibus spalhulatisve, supe* rioribus lancoolatis, basi acutis, apice attenuates acuminalis, mullinerviis undulatis, naianiibiis coriaceis ovatis, suprerais mngis minusve rotundatis, profunde cordatis, petiolis subcanaliculatis saepius longioribus; slipulis elongatis lineari-linguiformibus acutis; pedunculis Jongiusculis; fructibus recenlibus late oblique obovatis Junatis, stylo subapicali mucronatis, dorso tricarinntis, lateribus convexis in faciem acutam declivibus. — Crescit in Americae borealis provincia New England.

- 5 P *AMPLIFOLIUS* Tuckerm 1 c 497 — Caule simpliciter, stipulis amplexantibus incluso, foliis omnibus petiolatis, submersis membranaceis pellucidis late lanceolatis, basi apiceque acutis, raagis minusve falcato-recurvis conspicue 6—8-nerviis undulatis, petiolis longiusculis canaliculatis, natanlibus conaceis ovato- seu oblongo-lanceolatis, superlonibus petiolis longiusculis plurimque longioribus, stipulis elongatis linguiformibus acuminatis, pedunculis incrassatis, fructibus recentibus oblique obovatis, breviter recurvostatis, dorso arcuato rotundatis, lateribus convexis in faciem rotundatam declivibus — Crescit in American septentrionalis provincia New England
- 6 P *LONCHITES* Tuckerm 1 cit 49? — Caule gracili ramoso, foliis submersis membranaceis, superionibus breviter petiolatis, reliquis sessilibus, elongatis lanceolato-linearibus, basi attenuatis, nervis 6—8 prominulis, omnibus undulatis, infimis longe mucronatis sive in subulis rigidiusculas acuminatas abeuntibus, natanlibus charitaceis membranaceisque ovaus, ovalibus lanceolatisve, apice magis minusve attenuatis undulatisque, pediculis supra plants, stipulis gracilibus hinc-linguiformibus obusis, pedunculis incrassatis, spicis gracilibus utroque longioribus, fructibus oblique obovatis vix unatis compressiusculis obsolete tuncarinatis, rostellis brevi truncato terminatis, dorso acutiusculo, lateribus in faciem acutam declivibus — Crescit in America boreali prope Newton et Nalick
- 7 P *CLAYTONIA* Tuckerm 1 c 497 — Caule compresso ramoso, foliis submersis membranaceis gramineis elongatis linearibus acutiusculis, basi viz attenuatis quinque-nerviis sessilibus, natanlibus conaceis crassiusculis angustatis ellipticis obovatisve, pediculis breviusculis compressis, stipulis linguiformibus acutis, pedunculibus aequalibus breviusculis fructibus oblique obovatis truncatis, carina medio-angustata, gibbosa-umbonata lateribus diutiusculis obtusis, truncatis, lateribus convexiusculis, facie carinata — *P. fruticosa* Prsb 7 — Habitat in New England America borealis usque ad Virginiam
- 8 P *SPIRILLUM* Tuckerm 1 c 497 — Caule compresso, parte inferiore concavo-convexo raro, foliis submersis membranaceis gramineis cum stipulis connatis basi Taginanlibus linearibus obusis tinnervis sessilibus, natanlibus subconaceis oblongis lanceolatis imbricatisve, subulis nervis 3—7 impressis sulcatis, petiolis canaliculatis cum stipulis media medium connatis, stipulis foliorum submersis linguiformibus hyalinis laceiatis, spicis partibus submersae alantibus capitatis paucifloris brevissimis pedunculatis, pedunculis erectiusculis compressis clavatis, partibus natanlibus cylindricis plurimque longiusculis, fructibus recentioribus obovato-lentiformibus compressis subtuncarinatis, dorso deorsum curvato alato-cannato, dentibus elevatis cinctis, canaliculis lateralibus rotundatis, lateribus sulco cochleato impressis, stigmate faciale sessile, facie rotundata — *P. heterophyllum* Ell Sktcb I. 222? — Crescit in fluminibus New England Americae borealis.
- 9 P *HYBRIDUS* Michx — Tuckerm 1 c 498 — (Knth. 1 c 182 no 7) — Caule compresso striato ramoso, foliis submersis membranaceis tenuissimis cum stipulis connatis vaginibusque setaceo-linearibus, apice attenuatis acutis uninerviis, natanlibus subconaceis ovalibus lanceolatis linearibusve, subulis nervis 3—7 impressis sulcatis, pediculis plumbis cum stipulis baid connatis, stipulis nervosis, spicis partibus submersae alantibus capitalibus paucifloris, pedunculis brevibus clavatis, fructiferis magis minusve reversis, partibus natanlibus cylindricis plurifloris, pedunculis longiusculis, fructibus recentibus oblique unatis-lentiformibus compressis tricannatis, stigmate faciale sessile, dorso deorsum curvato anguste alato-cannato dentato, canaliculis lateralibus acutiusculis, magis minusve striato-irregularibus, lateribus obscuris cochleato-impressis, facie acutiuscula — Crescit in signis Americae borealis prov New England

Ordo CCmVIII. JUNCAGINACEAE *Lindi.*

(JUNCAGINEAE L. C. Rich. — Kntb. Enumer. pi omn. III. 141. ft 593. — Wlprs. Annal. 768. a 1011. — ALISMACEARUM subordo I. Endl. Gener. plant, p. 127; Suppl. I. p. 1356; III. p. 58. - Meisn. Gener. plant, vascul. I. 364. II. 272.)

III. TRICHOCHIST *Linn.*

(Kntb. Enumer. III. 142. ft 393. — Wlprs. Annal. I. 768. ft, 1011.)

1. TR. ROEGNERI C. Koch, *Linnaea* XXII. 272. f — Glaberrimum subbulbosum: folia canaliculata, tertia parte scapo (sine spica) minora erecta; scapus bi — tripedalis compressusculus; spica inaequalis, inferne remotior; sepala oblonga; ovarium ovatum, denique oblongo - lineare sextuplei; stigmata 6, patellam planam referentia, ovata. — Crescit in Daburia.
2. TR. AM C. Koch I. c. 273. — Glaberrimum subbulbosum: folia canaliculata, denique ex medio recurva, scapo (sine spica) minor a aut eum aequantia; scapus compressus, 5—9-pollicaris flexuosus; spica interrupta multiflora; sepala oblonga subobliqua; ovarium sextuplex ovatum; stigmata sex, patellam horizontalem formantia, 3—5 crenulata. — Crescit in Armenia.

Ordo CCXXXIX. ALISMACEAE L. C. Rich.

(Kntb. Enumer. pi omn. III. 146. — Wlprs. Annal. I. 169. ft 1011. — Endl. Gener. pi. p. 127. [excl. subord. 1] — Meisn. Gener. pi. vascul. I. 364. II. 272. [excl. trib. 1.]

III. SAGITTARIA *Linn.*

(Kntb. Enumer. III. 155. — Wlprs. Annal. I. 769. ft 1011.)

1. S. TRIANDRA Dalzell in Hook. *Kew gard. misc.* II. 144. t — Pedalis acaulis: foliis longissime petiolatis lineari - spatulatis, dorso obtuse carinatis, scapo multo longioribus trinerviis, nervis 2 marginalibus, intermedio penninervio, petiolis teretibus, basi vaginantibus, folio duplo longioribus; scapo erecto simplici tereti, a pice obtuse trigono florifero; floribus verticillatis breviter pedicellatis inconspicuis, inferioribus foemineis, superioribus masculis 3 - andris. — Folia cum petiolo 9—12 - pollicaria, 4—5 lin. lata. — Habitat in India orientali in aquosis prov. Malwan.
 2. S. STOLONIFERA Engelm. *Boston journ.* V. 234. — Stolonibus radicanlibus; foliis submersis late linearibus acutis, emersis lineari - lanceolatis 3—5-nerviis; scapo simpliciter bracteis ovatis acutis vel obtusiusculis brevibus; pedunculis subternatis omnibus elongatis; staminibus 12—16; carpellis compressis oblique suborbiculatis breviter mucronatis. — *S. yraminea* Nutt. — In republica Texensi.
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Ordo CCXLI. HTDROCHARACEAE *Lwdi.*

(HYDROCHARIDEAE DC. — Endl. Gener. plant, p. 160. 8c Suppl. III. p. 59.— Meisn. Gen. plant, vascul. I. 365. II. 273. — Wlprs. Annal. I. 770.)

1207. AIVACHARIS *Rich.*

(Mé'm. de l'Institut 1811, II. p. 61. t. 2. — Planchon, Ann. des scionc. natur. [3. Se>.] XI. p. 69.— *Udora* Null.)

Flores dioici. *Masc.* Spatha tubulosa, ore inflato bifido uniflora; flore pedicellato. Perianthium sexpartitum, laginiis exterioribus calycinis ovato-oblongis, interioribus petaloideis linearibus aut nullis. Stamina novem, filamenta basi in columnam brevem connata; antherae oblongae, basi affixae, loculis connectivo angusto sejunctis. *Flor. foem.* Spatha tubulosa, ore paululum dilatato bifido obliquove, uniflora. Perigonii tubus filiformis elongatus, limbus sexpartitus, laciniis ovalibus, conformibus, exterioribus calycinis, interioribus petaloideis. Staminodia tria, laciniis exterioribus opposita subulata; antherae nullae. Ovarium inferum. Stylus setiformis cum perigonii tubo connatus; stigmata tria, bifida vel emarginata. Bacca subtrigona unilocularis oligosperma. — Herbae pcrennes (vel annuae?) aquaticae caulescentes radicanes. Folia verticillata vel opposita sessilia. Spalhae axillares.

1. A. GALLITRIGHOIDES *Rich.* *Mrim. Inst.* 1811. II. 7. t. 2. — Planchon I. c. p. 73. f — Foliis oppositis vel ternis linearibus acutis, minute serrulatis; spatha[^] pedicello (brevis) cylindrico continua sensim a basi ad apicem dilatata lineari-oblonga apice bifida; antheris (polline emisso) siccitate caerulescentibus; stigmatibus perianthii laciniis longioribus ad medium bifidis, cruribus linearibus. — Crescit in Brasilia australiori.
2. A. MATTHEWSII *Planchon* I. c. 73.f — Foliis ternis — quaternis dense imbricatis; spatha mascula (ante debiscentiam) breviter pedunculata eJJipsoidea; perianthii laciniis exterioribus oblongis, interioribus linearibus et petaloideis subaequilongis; nntberis (novem) aubaessilibus polline emisso non caerulescentibus. — Crescit in Peruviae ditiooe U[^]uamanna in aqua fluente rivulorum.
3. A. ALSINASTRUM *Dabington* ex *Planchon* I. c. p. 74. f tab. 1. — Follis ternis ovali-oblongis obtusis, subtilissime serrulatis; spatha *Doris* masculi (ignota), floris foeminei tubulosa; ovarium sessile pluries superante, apice bifida; perianthii laciniis falls, omnibus subaequalibus; stigmatibus ligulatis reflexis emarginatis. — Crescit in Anglia.
- *. A. NUTTALLII *Planchon* I. c. p. 74. + — Foliis ternis — quaternis oblongo-linearibus, subtiliter serrulatis, interdum obtusis; petalis floris masculi ligulato spatulatis; stigmatibus ligulatis reflexis bifidis. — *Uiora Canadensis* *Nutt.* *Gen. Aroer.* II. 942. (excl. »yn. *Michx.*) — *Torr.* *Flor. of New York* II. 264. f tab. 125. — Crescit in America septentrionali.
5. A. CHILENSIS *Planch.* I. c. pag. 75. + — Foliis ternis lineari-oblongis obtusis, subtilissime serrulatis; spatha floris foeminei sessili tubulosa, apice bine flssa; stigmatibus^{tr}ibus bipartitis; perianthii laciniis exterioribus reflexis longioribus. — Crescit in Chili prope Valparaiso.

6. A. CANADENSIS Planch. 1. c. p. 75. f — Foliis ternis lineari • oblongis vel anguste linearibus, apice interdum rotundatis breviter acutatis; spatha floris masculi (breviter pedunculata) ventricoso - obovata; floris foeminei sessilis tubulosa, ovarium subquintuplo superante, apice bifida; perianthii floris masculi laciniis interioribus nullis. — *Elodea Canadensis* Michx. Fl. Bor. Am. I. 20? — Crescit in America septentrionali.

1207A. APAIAHTTHIS *Planchon.*

(Planchon, Ann. des sc. nat. [Ser. 3.] XI. p. 75.)

Flores hermaphroditi, caeterum foemineis *Udoraë*, praeter antherarum praesentiam, in omnibus conformes. Stamina in specie typica Guyanensi inter dura haud aequistantia, nec cum stigmatibus regulariter alternantia, sed alterum liberum inter stigmata, altera duo inter se filamentis magis minusve concreta et cum crure a Hero unius stigmatum bifidum semiconnato. Antherae potius late ellipticae quam cordatae, pollinis granula laevia, 3—4-natis cohaerentia. Dehiscencia antherarum obscura.

1. A. GUYANENSIS Planchon I. c. + — Foliis 3—9-nis lanceolato-linearibus (vel anguste linearibus), a basi ad apicem sensim angustatis acuis haud recurvis; spatha sessili cylindrica ovarium in ipsa sessile superante; stigmatibus (saepius) bifidis, cruribus apice dilatis. — *Elodea Guyanensis* Rich. Mém. Inst. 1811. If. 4. tab. 1. — Crescit in Guiana et Demerara.
2. A. GRANATENSIS Planchon 1. c. p. 76. f — Foliis 7—15 - nis anguste linearibus acutissimis; spatia sessili ovarium in ipsa sessile subaequante. — *Elodea Granatensis* Humb. ft Donpl. — Crescit in aquis Novae Granatae.
3. A. SCHWEINITZII Planchon 1. c. p. 76. f — Foliis saepius ternis (in pane inflata ramorum oppositis) lanceolato-linearibus (vel subovalibus) acuis subtilissime serrulatis; spatha sessili cylindrica acue bifida florem demum longe pedicellatum exsertente. — *Serpicula occidentalis* Pursh, Fl. N. Am. I. 33? — Crescit in America septentrionali.

1207/2. NKCHAMAHTDRA *Planchon.*

(*Vallisneriae* spec. Roxb. — Planchon, Annales des sc. nat. [3. Ser.] XI. p. 78.)

Flores dioici. *Masc.* Spatha ovata, demum in duas rupta, flores includens plurimos, in spadice conico densissime congestos, ex eo sub anthesi sponte secedentes, minutos subsessiles. Perianthii lacinae saepius sex, e quibus duae externae majores rubescentes, quatuor interiores albae. Stamina duo. *Foem.* Spatha tubulosa, apice bifida. Perianthii tubus superne in collum filiforme attenuatus, limbo tripartito coronatus. Stigmata tria, cuneata integra vel interdum biloba vel bifida. Ovarium ovato-lanceolatum superne sensim attenuatum leviter inaequilaterum uniloculare, ovulis plurimis parieti internae locum inordinatim (?) affixis ascendentibus. Utriculus indehiscens, spatha inclusus, perianthii laciniis emarcescentibus coronatus. Semina plurima ascendencia oblonga scrobiculata. — Herba Indiae orientalis submersa in aquis glaberrima, more Potamogetonum alternifoliorum ramis alternata graminea amplexicaulia acuta, squarrosula serrulata.

multinervia, viridia pellucida. Spathae utriusque sexus ad axillas foliorum sessiles.

- 1.-*N. ROXBURGH!! Planchon I. c. p. 78. +— *Vallisneria alternifolia* Rxb. P). Coromand. I. 165. — Wght. in Hook. Bot. Misc. II. 344. t. 12. — Crescit in fontibus aquae dulcis Indiae orientalis.

1208. HYDRIL.L.A Rich,

(Wlprs. Ann. bot. syst. I. 770.)

1. H. WIGHTII Planchon, Ann. des sc. nat. (Se>. 3.) XI. p. 79. f — Foliis caulium sterilium saepius quaiernis, linearibus, caulium feriliium (saltern (lores masculos proferentium) conspicue minoribus, anguste ovato-lanceolalfs, interdum caeteris subconformibus, omnibus acutis subtilitor serrulatis; spatha mascula (ante dehiscentiam) obovaloglohosa, superne tantum setis paucis subuliformibus, ejus diametro non multo brevioribus muricaia. — Grescit in peninsula Indiae orientalis.
2. * H. MUSCOIDES Planchon I. c. — *Lagarosiphon muscoides* Harvey in Hook. Journ. of bot. IV. 230. tab. 22. — Gf. *Hydrillam Dregganam* Prsl. — (Wlprs. Annal. bot. syst. I. 717. no. 1.)
3. *H. ANGUSTIFOLIA Hsskrl. Plant. Javan. rar. p. if7. no. 57. (absq. diagn.) f-* Blume Mus. bot. Lugd. Bat. b2. no. 204. f — *Epigynanthus Blumei* Hsskrl. Gat. hort. Bogor. 53. — *Ilydrosphondylus submersus* Hsskrl. I. c. 355.

1208^ EGERIA Planchon.

(Planchon, Ann. des sc. nat. [3. Se>.] XI. 79.)

Flores dioici. *Masculi* in spatha bivalvi, 2—3 pedunculati. Perianthii laciniae exteriores herbaceae, sub anthesi reflexae, interiores petaloideae tenerae, exterioribus raulto majores, late obovatae deliquescentimarcrescentes. Stamina 6—9, in receplaculo convexiusculo congesta, obscure 2—3-seriata. Filamenta crassiuscula brevia erecta, minute papillosa. Antherae basifixae stantes oblongae, rima laterali utrinque exaratae, nee tamen conspicue dehiscentes, saltern, pelalis jam emarcidis, vix immutatae. Flores foem. ignoti. — Herbae Americanae perennes submersae, glaberrimae, habitu *Anacharidearum* vel *Hydrillarum*: ramis dichotome divisis, dense foliosis; foliis verticillatis, adultis patentibus \el patent!-recurvis, late vel anguste, linearibus, subtiliter vel conspicue serrulatis viridibus pellucidis; spathis (flor. masc.) axillaribus sessilibus; floribus (masc.) interdum majusculis, illos *Hydrocharidis morsus ranae* referentibus.

- ¹. E. DENSA Planchon I.,c. 80.f — Foliis quaternjs vel ternis, confertis, adultis patentibus, omnibus late linearibus acutiusculis, raargine (slccitate saepius crispo) subtiliter serrulatis; floribus (in spatha saepius terais) lateralibus; staminibus novem. — Grescit in ditone Platensi, prope Bonariam.
- * K. NAJAS Planchon I. c. p. 80. f — Gracilia; foliis ternis confertiusculis patentirecurvis, anguste linearibus acutis, conspious repando-denticulatis; floribus in spatha geminis; staminibus septem aut octo. — Grescit in paludosis Brasiliae prov. Minas GeraAs.

1213. OTTEMA *Pers.*(Pers. Enchir. I. 400. — *Damasonium* Schreb. Gen. 624. [nee Juss.]

1. 0. LANCIFOLIA A. Richard, Tent. flor. Abyss. II. 280. tab. 95. — Foliis radicalibus, basi dilatata subamplexicaulibus petiolatis, sensira ac sensim in lminom elliptico-lanceolatam acutam integram, margine vix spinuloso-dentatam , tenuiler secundum longitudinem venosam (siccatione) tenui-membranaccam ampliatis; pedunculo radicali unifloro, nunc foliis brevior, nunc longior aut ilia aequante; spatha calyciformi tubulosa subcompressa, ovarium inferum includente et subaequante, margine hinc et illincsubalata, apice obtuse biloba, lobis tenuiter apiculalis; calycis limbo 6-partilo, laciniis externis viridibus elliptico-lanceolatis obtusis, interdum petaloideis, longioribus obovalibus obtusis, margine subundulatis albis; fructu ovoideo-oblongo, spaiha persistente obtecto. — Habitat in stagnis prov. Chire Abyssinae.
2. 0. (DAMASONIUM) LACTUCAEFOMA Planchou, Annal. des sc. nai. (Se>. 3.) XI. pag. 81. f — Foliis (submersis) lanceolatis (?) in petiolum iis brevior angustatis, undulato-crispis lenerrimis llaccidis; scapis radicalibus foliis longioribus, superne subalato-angulatis; spatha anguste oblonga decemalata, nlis crispis. — Crescit in India orientali superiore.
3. 0. (DAMASONIUM) ULVAEFOLIA Planchon I. c. p. 81. f — Foliis (submersis?) erectis, late lanceolatis, in petiolum iis brevior sensim angustatis undulato - crispis multinerviis teneris; scapis folia superantibus, superne ancipitibus; spathae oblongae, lateribus compressae nervosae valvis dorsO angule unialatis recurvo-mucronatis, alis leviter crispis Vel subplanis. — Grescit in insula Madagascar.
4. 0. (DAMASONIUM) DRASILIENSIS Planchon I. c. p. 81. f — Foliis ereclis lanceolatis, in petiolum limbo brevior sensim angustatis, leviter crispis vel pianis, in sicco rigide membranaceis; scapis (sub anthesi) folia paulo superantibus, superne compressis; spathae oblongae compressae valvis dorso angustissime unialatis, apice bideniato breviter mucronatis, mucrone erecto; perianthii Jaciniis exterioribus lineari-oblongis, obtusiusculis, interiorum obovatorum dimidium inferius superantibus. — Grescit in Brasiliae prov. Minas Geraes.
5. 0. (DAMASONIUM) GYGNORUM Planchon I. c. p. 82. f - Foliis ...?; spathae tubulosae subcoriaceae exalatae valvis apice tridentatis vel trilobis, dente vel lobo intermedio saeperocurvo; laciniis perianthii exterioribus anguste lanceolatis (in sicco rubromarginatis), obtusiusculis, interioribus late cuneatis, basi macula violacea notatis; staminibus 15—20, filamentis brevibus irregulariter polyadelphis; stigma lib us 6 apice breviter bifurcis vel inaequaliter 2—4-fldis. — Croscit in Novae Hollandiae ora occidentali ad Hum en Gygnorum.

f

Subclassis **QL****RHIZATHEAE** *Blume.*

(Endl. Gen. pi. p. 72. — Meisn. Gen. pi. vascul. I. 366. II. 274.)

Ordo **CCXLII. BALANOPHORACEAE** *Wlprs.*

(BALASOPHOREAE L. C. Rich. - Endl. Gen. plant, p. 78.; Supp). I. p. 1382.; II. p. 6. — Meisn. Gen. pi, vascul. I. 366. II. 274. — Wlprs. Annal. I. 771.)

718A. **BLEPHAROCILAMYS** *Pr*^l*

(Prsl. Epimeliae botanicae p. 245.)

Spica cylindraceo-fusififormis. Flores dioici. Masculi...? Foeminei: bractae tres, inferior eeu media minor oblonga oblusa, margine nervo-que medio extus carinato-elevato ciliata, apice nigricans, duae superiores oppositae spathulato-oblongae concavae, apice nervoque medio extus ciliae, basi saccatao inferiore majores. Perigonium in receptaculo brevissimo deciduo basi membrana hyalina raarginato expansum orbiculatum hyalinum integerrimum. Ovarium globosum laevissimum fuscum, apice umbonatum, uniovulatum. Stigma sessile luberculiforme papillosum persistens. Fructus exsuccus magnitudine seminis Viciae, globosus fuscus, basi brevissime angustato-gynobasicus monospermus laevis, pericarpio coriaceo. Semen fructui conforme et cavitate illius explens, testa tenui fusca, nucleo e massa grumosa pallide flavescente constituto. — Herba Capensis parasitica: caule flexuoso, squamis (foliis) Uneari-lanceolalis oblongis, basi versus longe angustatis crebris obtecto.

^J. 'B. CAPENSIS Prsl. I c. p. 246.+ — *Balanthor* Capensis* Eckl. — *Mystropetalon Thonii* Harvey. — In Promontorio bonae spel.

Ordo CCXLIII. RAFFLESACEAE Schott. *if Endl.*

(Endl. Gen. pi. 75. ft Suppl. II. p. 6. — Meisn. Gen. pi. vascul. I. 367. ff. 275. — Wlprs. Annal. 1. 772. — *Cytineae* tirong. — Endl. 1. c. p. 75. — Meisn. 1. J. c. c.)

Perianthium monophyllum regulare. Corolla nulla. Stamina: antherae numerosae, simplici serie. Ovarium placentis pluribus polyspermis, ovulis orthotropis, sed in quibusdam recurvatione apicis penitus vel partim liberi funiculi quasi anatropis. Pericarpium indehiscens polyspermum. Embryo indivisus (cum vel absque albumine). — Plantae parasilicæ in radicibus rariusve in ramis plantarum dicotyledonorum.

Obs. Huic ordini appendendae *Apodanthes* et *Pilosioyles*, quae a Rafflesiaceis corolla tetrapelala et antheris 2—3-seriatis diversae, nec non quod in caule aut ramis solum nec unquam in radicibus parasiticae; attamen pluribus notis *Cytineis* conveniunt.

Subordo I. MAFFIJESHAEE R. Br. in Flora <B. SB> XXXI. 550.

Perianthium 5—10-fidum. Antherae sub apice dilatato columnae simplici serie adnatae, distinctae, poro unico vel duplici dehiscentes. Ovarium placentis confluentibus vel distinctis undique ovuliferis. Pericarpium (semiadhaerens vel liberum) carnosum. Semina recurvala, funiculo apice dilatato. Embryo albumine inclusus axillis, albumine brevior. — Parasiticae in radicibus specierum *Vitis* vel *Cissi*. Flos subsessilis, bracteis imbricatis venosis. *

727. RAFFLESIA R. Br.

(R.Br. in Tansact. of the Linn. soc. XIII. 207. tab. 15—22.)

Perianthium 5-fidum, aestivatione imbricata, corona faucis annulari indivisa. Columna genitalium apice dilatata patelliformi, disco processibus (stylis?) numerosis styliformibus, limbo elevato indiviso. Antherae multiloculares, poro unico dehiscentes.

1. R. PATMA Blume, Flor. Jav. 8. tab. 1—3. — R. Br. I. c. f — Hermaphrodite: antheris viginti pluribus; stylis indefinite numerosis confertis; perianthii tubo intus laevi (diametro floris sesquipedali — bipedali). — Habitat in umbrosis insulae parvae Nussa Kambangan, Javae ab austro vicinae.
2. R. ARNOLDI R. fir. 1. c. f — Dioica: antheris 20 pluribus; stylis indefinite numerosis confertis, annulo baseos columnae duplici, perianthii tubo intus ramentoso (diametro floris bi — tripedali). — Habitat in sylvis umbrosis Sumatrae.

- 3 R. HORSFIELDI R. Br. I. c. f — Dioica: sulta indefinite numeroaii, centralibus, oon* fertis; (diametro loris semipedali). — Species dubia a sequente diversa numero et ordinatione slylorum. — Habitat in losula Java.
4. R. CUMINGII R. Br. I. c. f — Dioica: antheris 10—12; stylis antheras numero viz au- perantibus abbrevmtis, exteri6rlbus (suepiue 10) simplici aerie, inferiorihus (1—3) in- vicem subaequidistaniibus, annulo baseos columnae unico; periamhii tubo intus ra- menlaceo, (diametro lions semipedali). — *Rafflesia Manillma* Teschem. Bost. jouro. or nat. bist. V. 63., tab. 6 — Habitat In Samar, insula Philippinarum.

726. BBfJOMASrSIA *Blume.*

(Blume, Bijdragen II. 422. — R. Br. in Flora [B. Z.] XXXI. 653.)

Flores hermaphroditi. Perianthium 5-fidum, laciniis 2—3-fidis, aestivatione[^]valvata apicibus arete inflexis. Columna superne dilatata, apice excavato indiviso. Antherae sub apice dilatato simplici serie ad- natae, poro duplici dehiscentes. Ovarium adhaerens, placentis in- definite numerosis (parietalibus).

- 1- *BR. ZIPPELIF Blume I. c. ft Flbr. Jav. 15. tab. 3—6. — R.Br. I. o. — Habitat in prov. Buitenzorg Javae occidenialis.

727A. 8APRIA *Griffith.*

(Wlprs. Anna). I. 772.)

Subordo II. *HJfDJVOMEJLX: R. Br. 1. c. 658.*

. Perianthium trifidum, a[^]stivatione valvata. Stamitia tubo perianthii [^]serta. Antherae numerosae, longiludinaliter dehiscentes, connatae in ^{an} nulum trilobum, cujus lobi perianthii laciniis opposili. Ovarium in- lernurn; stigma sessile depressum trilobum, lobis singulis formatis e l[^]niellis pluribus oppositis, ad ovarii cavita[^]m usque distinctis ibique P[']acentiferis. Placentae ab apice ovarii (stigmatis lamellis) pendulae, subcylindraceae, undiqiie ovulis numerosissimis orthotropis tectae. Pe- [^]carpium calvum carnosum, cavitate placentis undique seminiferis P[']ena. Semina: Embryo globosus in centro albuminis cartilaginei.

724. HYDHTORA *Thnbrg**.

(Thnbrg. Act. Holm. 1775. p. 69. tab. 2.)

Char. gen. idem ac tribds.

*^H; AFRIGANA Thnbrg. I c. — R.Br. Flora (B.Z.) 3[^]XI.553.f — Hermaphrodite: pe- ^ranthium ~~libell~~ late induplicata, morgine (angulo in'duppioationi) ciliati, apicibus de- ^mnm libell; antheria bicuribus averais (crore altero postico, altero antico). — Habi-

[^] In Africa aostrali.

2. *H. TRICEPS* E. Meyer, Nov. act. acad. Leop. Carol. XVI. H. 479. — R. Br. I. c. + — Hermaphrodite: perianthil laciniis superne dilatatis connatisque, inferne bianthibus, margine nudis; antheris omnino posticis. — Habitat in Africa australi.
3. *H. AMERICANA* R. Br. 1. c. 554. f — Oioica: periaothii laciniis liliis nudis, margine induplicatis angustissimis; antheris posticis. — Habitat in America australi.

Subordo III. *CXTWHEMLWI* B. Br. 1. c. 55*.

Flores diclines. Perianthium 4—8-fidum, aestivatione imbricala. *Masc.* Antherae in apice columnae simplici serie, definitae, biloculares, loculis parallelo-oppositis longitudinaliter dehiscentibus. *Foem.* Ovarium totum adhaerens uniloculare, placentis parietalibus definitis (8—16), distinctis, per paria approximate, lobatis. Stylus 1. Stigma radiatolobatura. Embryo exalbuminosus indivisus homogeneous.

723. *QYTIOT70* Linn.

(Linn. Gen. pi. no. 1232.)

Char. gen. idem ac tribus.

1. *C. HYPOCISTIS* Linn. - R. Br. Flora (B.Z.) XXXI. 554. f — Spica androgyna; perinanthio quadrifido, laciniis extus tenuissime pubescentibus. — *Thyrsine Hypocistis* Gled. — Habitat in Europa australi et Africa boreali.
2. *C. DIOICUS* Juss. — Hook. Icon. pi. t. 336. — R. Br. I. c. i — Spicis dioicis nucifloris; (loribus bibracteatis pedunculatis; perinanthio sexfido, laciniis extus hispidulis. — *Phelipaea sanguinea* Thunberg. — *Aphyteia multiceps* Burch. Trav. I. 213. — *Hypolepis sanguinea* Pers. — *Haematolepis sanguinea* Prsl. Epimel. bot. 238. — In Promontorio bonae spei.
3. *C. AMERICANUS* R. Br. 1. c. + — Spicis dioicis multifloris; floribus sessilibus absque bracteis lateralibus; perianthio octofido patentiissimo. — Habitat in America nequinoctiali.

Subordo IV. *APOMFAJYTJBEAE* B. Br. 1. c. 554.

Flores dioici. Perianthium 4-fidum vel 4-partitum, aestivatione imbricatum persistens. Corolla 4-petalae, decidua. *Masc.* Antherae infra apicem dilatatum indivisum columnae bi—triseriatae, sessiles uniloculares. *Foem.* Ovarium adhaerens uniloculare, ovulis orthotropis, per totam superficiem cavitatis sparsis. Stigma capitatum. Pericarpium baccatum, inferum vel semisuperum. Embryo exalbuminosus homogeneous. — Parasiticae in caulibus et ramis (nunquam in radicibus) plantarum dicotyledonearum.

APODAHTHISS Poit.

(Poiiteau, Ann. so. natur. HI. 421. tab. 26. a*. 1. — R. Br. Flora [B. Z.] XXXI. 555.)

Perianthium monophyllum 4-fidum bibracteale. Petala *ifipo* (altius quam perianthium quod textura diversum) inserta. *Misc.*

Foetn. Ovarium semisuperum. Pericarpium carnosum, cavitate telragona. Semina testa micamentacea lacunosa (funiculo nucleum aequante vel superante). [Cf. Endl. Gen. pi. p. 76. adn.]

- 1 *A CASEARIAE Poit. 1. c. — R. Br. 1. c. f — Habitat in Guiana Gallica, in caulibus *Caseanae macrophyllae*.

725. **PILOSTYLES** *Guill.*

(*Fernsta* Bert. mss. — *Pilostyles* Guill era. Nouv. Ann. sc. nat. 11. 21. tab. 1. — R. Br. Flora [B. Z.] XXXr. 555.)

Perianthium 4-partitum superum. Petala. textura fere perianthii et bractearum. Ovarium cavitate infra insertionem bractearum superiorum producta. Pericarpium cavitate absque angulis.

- 1 P. **BERTERII** Guillem. 1. c. — R. Br. 1. c. f — Bracteis sepalisque avato-oblongis, margine undulato; stigmate papuloso, apice depresso umbilicato. — *Apodanthes Berterii* Gardn. in Hook. Icon. pi. tab. 665. A. — Habitat in Chili, in *Adesmiis* parasitica.
- ³ P. **BLANCHETII** R. Br. 1. c. f — Bracteis sepalisque subrotundis, margine ciliatis; stigmate apice convexo. — *Apodanthes Blanchetii* Gardn. in Hoot. Ic. pi. tab. 669. B. — Habitat in Brasilia, in *Bauhiniae* speciebus parasitica.
3. P. **CALLIANDRAE** R. Br. 1. o. f — Bracteis sepalisque ovatis, margine undulatis; stigmata ovato conico, apice convexo. — *Apodanthes Calliandrae* Gardn. in Hook. Icon. pi. tab. 644. — Habitat in Brasiliae provincin Goyaz, in caulis *Calliandrae* sptc.

Subclassis IV.

GYNANDRAE *Endl.*

(Endl. Gener. pi. p. 194. — Meisn. Gener. pi. vascul. I. 367. II. 275.)

Ordo CCXLIV. ORCHIDACEAE *Lindl.**)

(ORCHIDEAE R. Br. — Endl. Gener. pi. p. 185; Supple I. p. 1361; II. p. 16; III. p. 60. — Meisn. Gener. pi. vascul. I. 368. II. 275. — Rchb. fl. in Wlprs. Anna). I. 773.)

Obs. Collectanea a cl. **Walpers** transmissa, a me aucla, in ordinem redegi in hoc libro acceptum nimis quidem erroribus systemalis Endlicheriani emendntis.

//. G. Rchb. fit.

gubordo I. *Un.JLIdA.'XmMAM* Ijindl.Tribus 1. *PLEUROTHALLEAE* Lindl.1316. *PIEUROTHAIMS* R. Br.

(Lindl. Gen. ft Sp. Orch. [L. 0.] p. 4. - Rchb. fl. in Wlprs. Annal. I. 773.)

Sect. *ELONGATAE*.

1. PL. PEDUNCULATA Rchbch. fl. Linnaea XXII:p.822. — Caule secundario teretiusculo, vagina membranacea apiculata, fusca in medio caule, folio ovni acuto, apice obtu*^{*} Jridentato, angustalo; spaiha membranacea subtubulosa compressa, ab uno latere i* acumen attenuata; pedunculo fliformi gracili, parte libera racemosa (fl.—6); bractei* ochreatis aculis; pedicellis elongatis; ovariis subteretiusculis; perigonii phyllo suprens⁰ lanceolato acuto, lateralibus omnino connatis subconcavis, laieralibus internis suprem⁰ subaequalibus angustioribus; labello lanceolato a basi angusta subito medium usq^U* dilaialo, marginibus dilatatis erectis, nunc panduraio acuminaio; gynostemio sem^{fl} reliusculo, dorso androclinii obtuse elevato, rostelli margine exteriori nunc obtufl⁸* simo 1—3-dentato; stigmati lunato. — *Rhynchopera pedunculata* Kltzsch. — Habit^{*} Tovar in Merida.
- 1 PL. XANTHOCHLORA Rchbch. fl. I. c. p. 823. — Caule secundario teretiusculo el⁰ gato, basi fasciculo radicum velatarum yestito, triarliculato, basi ima vagina to, >⁰ oblongo acuto; racemis — 6 elongatis, folia excedentibus, divergent-divarieatis Doris; bracieis ochrealis aculis arete appressis; perigonii phyllo supremo et la^{terali} bus (connaife) subaequalibus oblongis subacutis, perigonii phyllis lateralibus i^{teralis} lunceolais acutis angustis aequilongis; labello truellaiformi, aogulis ~~posterioribus~~

*) Auctore cl. H. G. REICHENBACH fil.

omnino oblusalis, latere medio eraarginatis, apicejn versus crenulato-serralis; gynostemio clavato. — Cnespilosa subterrjestrjs. — Habitat prope Merida.

3. PL. SEMIPKLLUCIDA Rchbch. fl. I. c. p. 823. — Gaule secundario tereliusculo, basi vaginis subintegrjs vestito; folio oblongo, apice minute tridentato, basi cuneato; pedunculo unico folio duplo longiore, vagina tenui vestito, plurimifloro; bracteis membranaceis ochrealis acutis; perigonii phyllis semipellucidis, supremo externo oblongo, nunc subacuto, laieralibus externis connatis ovatis concaviusculis, margine implicato, perigonii phyllis lateralibus internis ligulatis subacutis, basi cuneatis; Iabello transverse ovali, apice nunc acuto, nunc obsolete tricrenato, basi cuneaio. — Habitat in Caracas.
4. PL. VELATIGAULIS Rchbch. fl. I. c. p. 824; — Caule secundario ascendente crasso, squamis 2—3 hyalinis tenuissimis amplis vestito; folio oblongo, apice obtuse tridentato, basi magis minusve cuneato; spicis 1—3, folio nunc subaequalibus, nunc longioribus, ex vagina spathacea lancea brevi; perigonii phyllis iribus exterioribus oblongis obiusis subliberis, perigonii phyllis lateralibus internis cuneatis obtusis; Iabello irilobo, lobis obtusis, rnediano producto trinervi, plica transverse in basi; androclinio denticulate — Creach in Caracas.
5. PL. PAGHYPHYLLA Rchbch. fl. I. c. p. 824. — Rhizomate funiformi crasso, vaginis fusco-nigris vestito; caule secundario crasso vaginato; folio lanceolato acuminato, (in siccol) complicato crassissimo, marginibus obtusis; pedunoulo robusto ex spatha brevi in sinu folii occulta, inferius univaginato, superius florifero (—10); bracteis ochreatis cuspidaiis; floribus ob ovaria exserta incurva nulantibus, supra bractearum margines flexis; perigonii phyllis exlernis lonceolatis subaequalibus, lateralibus complicatis, nunc ima basi coalitis crassis; perigonii phyllis lateralibus ioternis ovatis, basi nunc cuneatis, apice aculis, margine serrulato-crenulatis; Iabello ligulato sesaili, apice subacuto, marginibus in pane praeserlim anteriore crenulatis, medio complicatis; gynostemio semitereti; androclinii margine alato, ala dorso porrecta telradactyla, marginibus anterioribus gynostemii descendente. — Habitat in Brasilia.
6. PL. MORITZII Rchbch. fl. I. c. p. 824. — Caule secundario medio vagina ampla oblique retusa vestito; folio ovali aculo, obtuse tridentato, crassissimo; spatha compressa latere interno oblique decisa acuta; spicis (3) curvatis multifloris; bracteis ochreatis acutis oblique decisis; pedicellis ovariisque abbreviatis; perigonii phyllo supremo ligulato utrinque emarginato, laleralibus aequalibus medium usque connatis, margine cellulis prominulis nunc denticulatis, perigonii phyllis laleralibus internis ellipticis aculis; Iabello broviier unguiculato deltoideo, angulis posticis obtusatis, medio utroque margine nunc emarginato, aculo trinervi; gynostemio semitereti; androclinio antico, margine poslico membranaceo^ quadrato, apice emarginato; rostellii processu minuto quadrato; fovea stigmatica magna. — Habitat ad coloniam Tovar in Merida.
7. PL. RHODOXANTHA Rchbch. fl. I. c. p. 825. — Caufe secundario quinquangulato; folio coriaceo oblongo, basi cuneato, apice subemarginato; spicis capillaribus 5—6 ex spatha brevi acuta, elongalis mullifloris; bracteis vaginatis oblique truneatis; pedicollis longioribus; floribus ereclis; perigonii phyllo supremo oblongo aculo galeato, lateralibus lanceolatis acutis, ima basi coalitis, perigonii phyllis internis oblongis obtusis, mulio brevioribus; Iabello trilobo abbreviato, lobis lateralibus margine anteriore in paginam lobi medii transgredienibus. — Habitat in Nova-Graoada, prov. Pamplona alt. 9000 ped.
- * PL. CHAMAESTELIS Rchbch. fl. I. c. p. 825. — Caule secundario medio arete loogeeque univaginato; folio oblongo basi cuneato, apice tjrpto; spicis aggregmis (—12) folio longioribus subtortis; bracteis ochreatis acutis; floribu% minutis nulantibus; perigonii phyllis exlernis lanceolatis acutis, perigonii phyllis lateralibus internis oblongis obtusis, basi angulatis'; Iabello cuneato tridentato crasso. — Habitat in Merida altit. 6500 ped.

- 9 PL SCHIEDEI Reichenbach in I c p 826 — Gaule secundano gracili, squamis 2 retusis apiculatis vesiis, folio ovali basi cuneato apice oblusissime ludente, pedunculo filiformi paucifloro, basi squama retusa vestito, bracteis ochreatis acuminatis, pedicellis rhachi supra hirsutis, perigonii phyllo supremo obovato subaculo, basi cuneato, extus papillis filiformibus obsito, lateralibus externis tamen medium connatis, oblongis apice libero acutis, priori aequilongis, dimidio latioribus, ima basi saccatis, extus aequaliter papilligens, perigonii phyllis lateralibus interms ovatis, apice inclusis (nunc cum apiculo), basi angustatis, labello unguiculato trulliformi, apice obtuse retuso, nervis 3 mediis duobusque externis medium usque marginem producentibus, gynostemio semitereti, androclino margine membranaceo denticulato — Habitat in Mexico

Sect. EFFUSAE.

- 10 PL MERIDANA Reichenbach in Linnæa XXII pag 826 — Caespitosa, caulibus setularis teretibus, vaginis fuscis 3—4 vestitis, vagina suprema apice libero lancea, folio oblongo, basi cuneato, apice acuto, in sicco margine convoluto, spatha ancipiti acuta, spica solitana (nunc binis), hirsuti elongata subflexuosa polyantha (— 15), bracteis ochreatis, apice libero acutis, imo cuspidatis, pedicellis elongatis, perigonii phyllis externis aequalibus ligulatis, nunc acutis, perigonii phyllis lateralibus internis oblongis subcuneatis, apice in lobulo tetusis, lobello breviter unguiculato, lamina ligulata, dimidio basilari utrinque obtuse triangulariter dilatato, plicis 2 oblique transversis inter liminae basin et unguem, medium nervura non attingentibus, marginibus e basi apicem versus erectis, gynostemio brevissimo, androclino margine membranaceo denticulato, alae instar lacinibus descendente — Habitat in Mendo.
- 11 PL HOFFMANNSEGGIAN* Reichenbach in J c pag 827 — Caule secundano ancipiti basi articulato, folio oblongo, basi et apice angustato, apice indeiitato crassissimo, spica nunc solitana, nunc gemma ex spatha lanceolata acula nervosa, — 5 floris, flonibus extus papillosis (sc ovario et perigonii phyllis externis), perigonii phyllis externis crassissimis concavis, supremo oblongo subaculo, lateralibus aequalibus, basi connatis saepe, perigonii phyllis lateralibus internis oblique obtuseque imbricatis, marginibus superius serrulatis, labello oblongo, antice truncato, lineis 2 nervis lateralibus supra margines basilares oris, apicis medio excurrentibus, androclino denticulato — Habitat in Brasilia
- 12 PL DENDROPHILA Reichenbach in HI 1 c p 827 — Caule (in sicco saltem) sulcato vaginato, vaginis 3 erectis, margine acuto integris, folio oblongis angustissime cuneatis acutis, pedunculis aggregatis (— 8) nunc ramosis paucifloris (2—3), bracteis ochreatis acutis, perigonii phyllo supremo oblongo apice aculo, sub apice dilatato, perigonii phyllis lateralibus externis lanceolatis acutis, ima basi coalitis saccatis, perigonii phyllis lateralibus internis linearibus, apice triangularibus, margine serrulatis, labello oblongo piano nervi, sub apice utroque latere emarginato serrulato, androclino margine membranaceo denticulato — Habitat in Venezuela, alt. 6000 ped.
- 13 PL ROSTRIFLORA Reichenbach in fil 1 c p 827 — Caule secundano angulato, vaginis arctis 3—4 basi vestito, folio oblongo, basi et apice angustato, pedunculis — 7, 1—2 vaginatis, — 6 floris, bracteis ochreatis, oblique decisis, perigonii phyllis externis oblongis cuspidatis, perigonii phyllis lateralibus internis multoties brevioribus ligulatis, labello unguiculato, basi cordato, sub apice subito attenuato subaculo — Habitat in Montibus Serra dos Orgaos Brasiliae
- 14 PL VELATIPES Reichenbach in I c p 828 f - Caule secundano elongato angulato articulato, squamis internodiis in fibras distolis multae vestito, folio oblongo subaculo connato, longe cuneato, spatha lanceolata acuta, racemis (— 14) fasciculatis; bracteis ochreatis acutis, quibus plerumque nutantibus, perigonii phyllo supremo oblongo acuto, perigonii phyllis lateralibus externis subaequalibus angustioribus, medium usque

nais, perigonii phyllis lateralibus internis ligulatis, nunc truncatis brevioribus labello ligulato obtuso, medio utrinque auriculato, hinc apice quasi trilobo, trinervi; gynostemio clavato; androclinii margine posita membrana^q); stigma^{is} margin^o calloso. — Habitat in Merida.

15. PL. KLOTZSCHUANA Rchbch. (il. 1. c. p. 828. + — Rhizomate repente polyrrhizo; caulibus secundariis (ex sicco) subtetragonis, infra, biarticulatis; squamis vaginantibus lanceolatis, in articulis ut plurimum laceris; folio lanceolato coriaceo, apice minute tridentato; spatula coriacea compressa in axilla) spica (una, nunc gemina) flexuosa pauciflora; bracteis oblongis, apice acutis, margine ciliatis; ovarii minimis papilloso; perigonio bilobato, extus papilloso, phyllo supremo oblongo acuto, margine ciliato trinervi, lateralibus connatis concavis, basi gibbis sexnerviis, apice bidentatis, perigonii phyllis lateralibus internis obovatis inaequalibus; labello unguiculato panduraeformi obtuso, nervis tribus incrassatis, lamella una in ulroque. margine medii labelli erecta semiovalis; gynostemio minuto; androclinii margine subdenticulato. — Habitat in Brasiliae provincia Minas Geraes.
16. PL. TRIPTERIS Rchbch. fil. 1. c. p. 829. f — Caule elongato trigono teretato; folio oblongo sessili, apice angustato obtusato; spatha lanceolata sericea; spicis tenuibus recurvis bifloris; bracteis oblongis lanceolatis acutis; perigonii phyllis internis subaequalibus lanceolatis acutis, lateralibus ima basi lantum coarctatis, perigonii phyllis lateralibus internis lanceis acutis, papillis filiformibus obsitis; labello ovalo, apice obtusissime trilobo, lobo medio aliquid crenulato, parte basilarum longe cuneato; gynostemio clavato; androclinii margine trilobo. — Habitat in Venezuelae provincia Caracas alt. 4000 ped.

Sect. AGGREGATAE.

17. PL. BEYRICHIA Rchbch. fil. 1. c. p. 829. — Rhizomate funiformi; squamis obtecto; caulibus secundariis 1—2-articulatis, vaginis 4—5 obtectis; papillis filiformibus in nervis et marginibus; folio oblongo-lineari, basi cuneato, apice attenuato retuso; flore brevissime pedunculato; perigonii phyllo supremo oblongo acuto, lateralibus latioribus, margine denticulatis; labello lineari, supra basin utrinque angulato, apice retuso erosulo trinervi; gynostemio clavato; androclinii margine trilobo, lobo medio denticulato — Habitat prope Neu-Freiburg in Brasilia.
18. PL. BILAMELLATA Rchbch. fil. 1. c. p. 830. f — Caule secundario crasso exsicco subnancipiti; folio ligulato, basi et apice angustato, subtridentato; ovaribus nonnullis aggregatis; perigonii phyllo supremo lanceolato subacuto trinervi, lateralibus ovatis denticulato-serratis; labello unguiculato subtriangulari, angulis basilaribus obtusatis, margine serrulatis, lamellis 2 medianis semiovatis serrulatis depressis; androclinio apice serrulato alato. — Habitat in Mexico.
19. PL. JONANTHA Rchbch. fil. 1. c. p. 830. f — Caulibus secundariis teretibus parce vaginatis, vaginis truncatis; foliis oblongis acuto-acuminatis, basi ovatis; spatha minuta lanceolata; bractea hyalina truncata; floribus solitariis glaberrimis quasi bivalvibus; perigonii phyllo supremo ovato subacuto trinervi, lateralibus late ovatis connatis apice emarginatis, lobis subacutis; perigonii phyllis lateralibus internis lanceolatis serratis angustis; labello latecordato unguiculato, margine nunc crenulato trinervi; gynostemio semitereti; androclinii margine membranaceo serrulato. — Habitat in Venezuelae provincia Carabobo, alt. 2900 ped.
- *0. PL. CHLOROPHYLLA Rchbch. fil. 1. c. p. 830. f — Caule secundario aniculato, vaginis 4—6 nervosis obtecto; folio oblongo cuneato apice angustato; floribus 1-2; perigonii phyllis 5 subaequalibus oblongis acutis; labello pandurato unguiculato angulis, supra basin obtusis, apice retusis lamellis 2 obtusis in medio; gynostemio clavato. — Habitat prope Neu-Freiburg in Brasilia:

- 21 PL REYMONDI Rchbch fil ined f — Caule secundano 3—5-polhcari, vagims pipillis nigris muncalis aspernmis, folio oblongo lanceolaio, utnque attenuato, apice obtu<o rmarginato, cauli subaequilongo, flonhus soliinrns sou paucis lasciculatis, brack is ochreitis papillosis, peiigonu pbyllis extus pnpillosis, sum mo inangulo, lateialibus irnn gulis, latere externo cuivilmeo, pbyllis latenlibus inteinis ligulatis, medio confined?, torus, npice dilaiatis, inciasdsiis hbello oblongo minuto, basi concavo, ante excata nonem bicornutulo, gynostemio mnno, ulnnque alaio — Voginac oulis secundirn gn seae, papillae nigrae Pengomi phjhl externaalropurpuica, summum phjllum basi flavo-stuatulum phylla lateralia mienip ulba airopurpureo macuhta, apice atropurpurea label lura album, punctis airopurpureis punctauim, margine airopurpureo cinctum—*Dubovna Reymondi* Karsien in Oito u Dietuch Allgem Gartenz 1847 XV p 394 — Wlpr< Annal I 773 — *Dubois-Reymondia palpigera* Karsten in v Mohl u v Schlechtd Dot Zeilg VI 397 398 — Vidi plantam vivam aulhenticam in borlo DeckerianoBerolmensi et teneo iconem — Cur a Pleuroihallidis genere sepai ata fuei it, omnino non intelligo — Venezuela

Sect *MUSCOSAE*

- 22 PL SONDERANA Rchbch fil 1 c p 830 f — Rhizomaie fumformi polyrrhizo, caulibus secundorus bi — tnarticulatis, squamis retusis, biunncis in aruculis, foln<t lanceolatis acutis crassis, doiso cirmntis (inde prope triqueti is), pedunculo fliformi (nunc gemitio) e spatha fohi axilhn hyalina complicata exorlo 1—2-squamato, squamis lanceolatis acutis, spica paucillon (—4), bracteis ochreatis, apice lanceohtis, flonbua crassis parvis, pengonn phyllo supremo lanceolaio acuto concavo, lateialibus connatis, apice euremo bidenlatis, mirgimbus externis cannatis, pengonn phyllis lateralibus interms duplo minoubus ovatis acutis, labello tnlobo, lobo medio lateralibus duplo longiore, ligulatis, lateialibus apice libero angulatis margine antenore 2—3-denticulatis, gynostemio gracili subclavato, margine androclimi membranaceo denticulato, stigmatate minimo subtnangulai i, anthera apiculata — Grescit in Brasiliae prov Mmas Geiaes
- 23 PL LEONTOGLOSSA Rchbch fil 1 c p 831 f — Caulibus secundarus gracilibus dense vaglnatis, folio angusle linpan, basi cunetto, apice angustato tndentato, pedunculo capillan (nunc gemmo), medio vaginato, pengonn phyllis externis basi coalitis atutis, latenlibus usque prope apicem connatis tncatinatis, peiigonu phyllis lateralibus interms oblongis acuiis, basi cuneatis, hbello unguiculato subpanduraeformi, jugis callosis 2 a dilaialioms apice ad mediant laminam basilarem curvatis, labello apice papillis brevibus obsilo, margine hinc quasi denticulato, gynostemio tenui, androclinu maigne membrauaceo tnlobo denticulato — Habitat in Brasiliae it ontibus Serra dos Orgaos
- 24 PL XIPHOCHILA Rchbch fil 1 c pag 831 + — Gaulibus secundams capillanbus (—4), vagims 2—3 vestitis, limbis vaglnarum apice tumidarum revolutis ciliatis (lepanihinis), folio ovali, apice mucronulato, basi subito cuneato mulimervio (15), peduncuhs caflillanbuo, medio vagina ochreata acuta, nunc gemma, pedicellis tereubus gracilibus solitarus, bracieis ochreatis acutis, ovarus globosis tnptens, pengonn phyllis externis lanceolatis acutis, lateralibus labello suppositis, pengonn pbylli' lateralibus interms paulo minonbus, labello unguicilato, obtuse triangular! in cuspi* dem producto, basi tnnervi, gynostemio incurvo semitereti, androcljnio viz margioato — Habitat in Merida
- 25 PL GABELL|:NSIS Rchbch fil I c p 832 f- Gauhbus tenernmis in sicco sulcaUi* folia oblongis sulcalis, basi longe cuneatis angustis, pedunculis capillanbus, »^{Mic-J} geminis, folio longionbus flexuosis plunflons (—8), liractei* ochrcatis acutis, perlg** mi phjlha externis libens ovatis anstatis, perigonu phyllis lateralibus inteinif ~~ob~~

rhombis acmis, labello unguiculato iigulaio, basi obtusangulo, medio angustato, apice papillis obsis; gynostemio semitereti clavaio; androclinio margine membranaceo integro. — Habital in Venezuelae provincia Carabobo prope P. Cabello altitud. 4500 ped.
 26. PL. CRASSIFOLIA Hclibcb. fl. I. c. p. 832. + — Caule secundario aubtereii vaginato; folio ovali infra cuoeato crassissimo (9, 75" longo, supra medium 2, 5" laio), pedunculo capillari bifloro; braciis ochreatis acutis; perigonii phyllis exiernis lanceolate acuiis liberis subaequilongis, perigonii phyllis lateralibus internis lanceolatis acutis, margine microscopice denticulatis; labello ligulato acutiusculo, cellulis acutis venuculo-oso, trinervi, brevissime unguiculato; gynostemio semitereti, dimidio superiore membraua denticulata ab androclinio descendente alato. — Habitat in Mexico.

t Icon addenda.

PL. SMITHIANA Lndl. - Van Houlte, Fl. des serres V. p. 487 c. c. ic xylogr.

Ohs. Hue refer:

BHYKCHOPEBA Klotzsch.

(KÜzsch. mss. in H. Karsten, Auswahl neuer und sch&n blühender Gewächse Venezuela's 21. tab. 7.)

Perigonium corollinum duplex patulum. Calyx profunde bipartitus, foliolum superius lanceolatum, apice recurvatum, inferius (du6 JateraJia connata) ovatum, concavum acuroinatum. Corona profunde trip^rtita, petala duo lateralia Hneari-lanceolata. tertium (labellum) liberum gynostemio subparallelum integrum, cum gynostemii pede articulatam linguaeforme. Gynostemium cylindricum, ovario continuum, basi productum, apterum. Anthera subbiocularis operculata, pollinis inassae ceraceae, duae, obovatae integrae, breviter caudiculatae. Ovarium prismaticum sexcostatum. — Herbae Americanae tropicae* epiphytae, habitu *Pleurothalli&is*.

!• RH. PUNCTATA Karst. 1. c. 21.+lab. 7.— Caespitosa: caule monophyllo, basi et infra medium vaginis fuscis aridis membranaceis vestiio; folio elliptico carnosocoriaceo, longitudinaliter canaliculato, apice bideniato, cum caule aequilongo articulato; floribus racemosis albido-roseis purpureo-punctatis, pedicellis exlmaxillaribus insidentibus; bracteis pellucido-membranaceis voginatis, inferioribus sterilibus; pedunculo spatha foliacea lineari-lanceolata induplicatira compressa suffulto. — Van Houlte, Flore del serres V. p. 563^ c. ic. xylogr. — Crescit in Venezuela.

Jam jam librum non'teneo. *Rhynchoperae* genus a *Pleurothallide* dividi non potest. Haec, si quidem nova, novo nomine erit describenda, cum pulobella i-otundifoJla ista ~~Planta~~ BrasUensis nomine *Pieur. punctatae* Lindl. gaudeat.

1317. CADETIA Gaudich.

(Gaudich. in Freycin. Voy. Corv. Dran. Phys. lab. 33. — Blume, Rumpb. IV. p. 38.)

Perigonii phylla erecta vel patentia, inaequalia, lateralia exleriora m ajora, obliqua, calcari labelli adnata. Labellum ereclum, cucullatum, ^ynostemio parallelum, basi in calcar pro due turn, limbo ereclo vel P^tente subtrilobo. Gynostemium ovario continuum, breve, erectum, Se miteres, apterum; androclinio tridentato. Anthera terminalis, denti Posteriori androclinii affixa, biloculariSv Pollinia quaterna, oblonga, per Paria collateralia. — Herbae in Moluccis et nova Guinea epidendrae, PUsiliae: caulibus fasciculatis, simplicibus, vaginatis, apice monopyllis;

folio coriaceo vel carnosio uninervio, cum caule articulato; floribus terminalibus, solitariis vel fasciculatis, bracteis vapinatis, albis. — Genus a Dendrobio Sw. ea re tantummodo diversum, quod gynostemii basis non unguem efformat, sed labellum calcar longum obtusum vel retrorsum exhibens basi ejus ovario continuae adnatum est. Neque tamen negari potest, Dendrobia quaedam manifesto transitum ad hoc finem offerre veluti D. heteroideum a me depictum, praesertim si statuas, calcar labelli in Cadeia fortasse non nisi arctiori copulatione baseos gynostemii valde explanatae et labelli ortum esse. Appendices duae subulatae gynostemii, de quibus Gaudichaud in C. umbellata memorat, potius labelli esse videntur, quod in C. simili, paululum modo ab illa diversa, obtinet.

1. C. UMBELLATA Gaudich.— Blume, Mus. bot. Lugd. Batav. p. 29. no. 57.— Folio lanceolato; floribus 6—10 fasciculatis; phyllis perigonii interioribus angustissimis; labelli calcari brevi reluso didymo, limbi lobo medio fornicato obtuso, lateralibus minutis; ovario hirto. — Gaudich. in Voyage Freycin. bot. p. 422. tab. 33. — In Moluccis in arborum truncis.
2. C. SIMILIS Blume l. c. p. 29. no. 58. — Folio lineari-lanceolato emarginato; floribus subsolitariis; phyllis perigonii interioribus angustissimis; labelli calcari brevi recto obtuso, limbi lobo medio fornicato subtruncato, lateralibus subulatis; ovario hirto. — Habitat in Nova Guinea.
3. C. ANGUSTIFOLIA Blume, Rumphia IV. p. 39. tab. 192. fig. 4. tab. 19R/E. et Mus. Lugd. p. 29. no. 59. — Folio linearilanceolato emarginato; floribus subsolitariis; phyllis perigonii interioribus dorsali paulo angustioribus; labelli calcari longo clavato rectiusculo, limbi lobo medio recto obtuso vel subretuso, lateralibus latis* rotundatis; ovario glabro. — Bl. Cent. Plant, nov. (1829).— Habitat in sylvis littoreis Novae Guineae in arboribus.— *C.umbellatae* Gaudich. et *C. simili* maxime similibus, quae tamen floribus minoribus, phyllis perigonii interioribus multo angustioribus et ovario hirto differunt. Radix fibrosa. Caulis plures fasciculi, 1/2—3-poll., rectiusculi et basi attenuata teretiuscula sperne crassiores et subtetragoni, carnosii, dimidium pollicem, vel pollicem, supra radicem articulati, vagina brevi oblique truncata membranacea. Folium sessile, 1/2—2-poll.—2' A-pollicem, 2—4 lin. latum, vulgo arcuatum, apice emarginatum, imo conduplicatum carnosum rigidum. Florae terminatae subsolitarii erecti pedicellati, pedicello ad basin bracteis duabus inaequilongis ovato-lanceolatis conduplicatis cito emorientibus vaginata. Phylla perigonii erecta, patentia, lanceolata, acuminata, anteriora duae basi sua obliqua, lata calcar penitus amplectentia eique unita, interiora dorsali exteriori vix angustiora et cum eo plerumque reclinata. Labellum sine articulatione basi gynostemii adnatum eique parallelum, basi in calcar longum clavatum rotundato-obtusum rectum productum, superius lato-trilobum, lobis lateralibus latis rotundatis, intermedio longiore, obtuso vel retusissimo, lobis involutis. Gynostemium breve rectum crassum, e seminicylindrico quadrangulare; androclinio dentibus lateralibus duobus brevibus obtusis unoque dorsali, cui anthera postice supra basin annexa. Anthera terminalis opercularis, subrotundo-didyma bilocularis, postice subbiloba. Pollinia quatuor, perparva collateralia, vel si mavis, bina aequaliter bipartibilia, oblonga substantia molli cereacea. Stigma subquadratum, infra androclinium excavatum. Ovarium clavatum, obsolete sulcatum glabrum.
4. C. RECURVATA Blume l. c. p. 30. no. 60.—Folio ovali-oblongo; floribus subsolitariis; phyllis perigonii interioribus dorsali angustioribus; labelli calcari longo retuso-diflexo reclinato, limbi lobo medio patente ovato obtuso, lateralibus rotundatis subinvolutis; ovario glabro. — Blum. Cent. Plant, nov. — In Nova Guinea.
5. C. BILOBA Blume l. c. p. 30. no. 61. — Folio lanceolato emarginato; floribus subsolitariis; phyllis perigonii interioribus dorsali multo angustioribus; labelli calcari longo subincurvo, limbi lobo medio patente obcordato bilobo, lateralibus rotundatis. — Blum. Cent. Pi. nov. — In Nova Guinea.

131%. MASDISVAIiMA Rz. Pav.

(LO p 192. — Rchb fl m Wlpra Anna! I 774)

- 1 M TOVARLNSIS Rchbch fl Linnaca XXII pag 818 — Folio oblongo spathulaie, npice rotundto (obsolete tndentato), pedunculo ancipili folio subaequali billoio, bra-
<ta> membrnncis curullatis, margine subcrenulatib, pciigoniiphjlli&extcims connaiis, supicmo arigusle lanciolato in anstam longam productio, laieialibus ovatis niuUo ulna medium connaiis, dein lihcnŝ OIHUMS, ausla brevi in apice, perigonu pbyllis laloialibus aculo, oblon^i* sub.iculis incuivi!., labello oblongo, inedio marine ulnnque emarginaio intcinib net \is tubus promiuulis, lateralibus cle\atis cn&Lali&, andioclinu margioe deniaio — Habitat in Columbia
- 2 M EINSATA Rchbch fl 1 c p S18. — Caulibus secundams basi vagina cucullata nmpia Integra lctitis, folns oblongis acutis, apice tudentatis, basi longe cuneaiis, pedunculo gracili unifloio folium superante, pengonii phjllis externs basi connaiis longe acuminaus, supremo aliquid ovato, lateialibus oblongis concavis acuminalis, pengonii phjllis lateralibus internis oblongis acutis, margins infouoie apicem versus obtuse angulatis, labello unguiculato ligulato, basi obtuse sagittaio, apice obtuse tridentaio, andioclinu margine serrulato — Habitat in Meuda ad altit 700 ped
- 3 M. TRIFOLOR Rchbch fl 1 c p 818 — Gaule secundano brevissimo, vaguus bilobis cucullniis obtecto; lolio oblongo acuto, basi longe cuneaio, pedunculo flifuiimi basi aroio vaginato, bractea vaginata acuminaia, pengonii phyllie lateralibus interms oblongis, apice obscure tncrenatis; labello unguiculato basi biaunculato rbonboideo dilatato, apice acuto; andioclmn margine integro — Habitat in Menda
- 4 M \ERRLCOSA Rchbch fli Linnaea XXII. p. 819. — Caulibus &curidar;is abbreviatis, vagmis laxis cucullatis obtectis, folus oblongis apice attenuatis tndentatis, basi longe cuneatis incurvis; pedunculo folio bis et ulna longiore, venucis densis obsito, 1—2-vagmato, lacemo multifloro (17); biacteis ochreatis apice Innceolatis, flonbus inversis, pengonii phjllis externs basi connatis, supremo lanccolato acuminato, laterahbus oblongis acutis, alto connaiis, perigonn phjllis lateralibus internis oblongis acutis invertis, margine infeuore angulalis, labello medio inflexo oblongo unguiculato, margmibus lateralibus dilatato dentato, apico ligulato mtegio, modio e^cnvato, tuberculis nonnullis in disco (an semper?), androclinio integro, capsulis nutantibus — Habitat in Nova-Gianada, in provmcia Pamplona prope La Baja alt 8200

1322. OCTOSIEttIA R. Br.

(LO. 9.)

- 1 0. CHAMAELEPTOTES Rchbch. fl Binnaea XXII pag 817 — Caule secundano Qiformi, vagmis laxis imbncato, folio leretiusculo, apice subulnto incurvo, Oonbus 2—3 'n axilla aggregatis, pengonii hynlini phjllis externis obldngis acuiis, pengonii phyll/s lateralibus internis paulo mmonbus, labello pandurato unguiculato, lobis lateralibus J'n laminam lobi medu tiausgredientibus, lobo medw angasto, apioo subretuso. — Habitat m Brasilme montibus Serra das Orgios.

1324. I-KPAIfTHES Sw.

(LO. 10)

- 1 t RUSCIFOLM Rchbch. fl. Linnaea XXH pag. 819 — Caule secundano subtelragono, ~~vaginato~~, vagina superne ampla, apice lancea, nervis et maigme denuculis papillosis

obsitis folio oblongo acuto cuneato, pedunculis capillanbus geminis racemosis plumiflons, bracteis ochreatis acuminatis, maigme inlegns, ppngonn phyllis externis oblongis aculis, tatenlibus ultra medium connalis pengonii phyllis laterahbus internis oblongis elongiis, apice infenore acutis, supenoic obtusis, labello bilobo minimo, lobo utroque oblongo, apice ci basi obtuso — Habitat in Menda

- 2 L CYANOPTFRA Rchbch fil 1 c p 819 — Caulibus secundams gracilibus, vaginis (7) obsitis, vaginarum ore amplo acuminato, margine lihero muncito, folus oblongis marginalis, basi brevissime cuneatis, apice acutis tridentatis, dente medio mucronato, pedunculis capillanbus (solilanis—terms) flexuosis flonbus distantibus (—15), bracteis ochreais acuminatis, margine integernnis, pengonii phyllis cxeims lanceolatis aruiis, ima basi tantum coaluis, pengonii phyllis lateralihu* internis obtuse tnangularibus labello bilobo, lobis dolabnformibus, apice supenoie subacutis, infenore obtusis — Habitat in Menda altit 6000 ped
- 3 L SCHIEDEI Rchbch fil 1 c. p 820 — Caulibus secundarus lenernnis, vaginis 3—4 obsitis, vaginarum ore dilatato lanceolnto muncato; folus orbiculatis, apice aculi>, basi brevissime cuneatis, pedunculis capillanbus 2 — 5 muluflois (—10), bracteis ochreatis acutis, margjne et dorso muncatis, pengonii phyllis externis lanceolatis, margine deniculato - serrulais, lateralibus medium usque connatis, pengonii phyllis Idteiahbus internis dolahnformibus, apice supenore rolundato, infenore angulan, labelli bilobi lobis dolabnformibus, apice supenore acuminato, infenore obtuso — Habitat ad Jalapnm in Mexico
- 4 L PRISTIDIS Rchbch fil 1 c p 820 — Caulibus secundarus subteiragoms, papillis multis acutis muncatis flrmis, arete (—9-)vagmatis, vaginarum ore laxo lanceolato, acute muncato, vagina suprema maxima, folus ovatis acutis, apice obtuse tndentatis, basi brevissime cuneatis; pedunculis capillanbus 1—3 multiilons, bracteis lineanbu« mnrgino serrato-dentatis, pengonii pinHis exiems oblongis acutis, lateralibus medium usque connatis, pengonii phjllis lateralibus internis oblongis lobatis, nunc 2—3-lobis, margine crenulatis, nunc apice acutis; labello bilobo, lobis dolabn/otmibus, apice so-
 piores acuto, infenore obtuso — Habitat in Mexico

1325 STEMS Sw

(LO 11)

1. ST PENTODONTA Rchbch fil Linnaea XXII p 821 f — Coule secundono valido, voginis retusis veslilo, folio oblongo, imo apice acuo, bMi cunealo, pedunculo valido, squamis ochroaus vesuio, spica secundn, biaciois ochreais amplis, apice brevissime aristatiH, flonbus nulanlibus, poiiffonu phyllis oxters oblongis, laloralibu* ima bnsI coaluis, pongonn phyllin ltteialibua«nterms ovais tiuncaifl, bis omarginait, labnllo quadmio, lotenbua basi obiuse angulalo, modio apice obtuse undentnto lamelli* 2 in medio labollo longnudinalibus (nee ui in Si lamollata tiansversis), gynostemlo *Stelidts* — Habitat in America iropica
- 2 ST RUFREGHIFANA Rchbch fil I c p 821 f - Caule secundario basi tnvsinalo, folio oblongo, basi cunealo, apice obtusato, nervo medio prominulo obtuse tndentato, spatha lanceolata acuta, pedunculo elongato vagmato, vaginis ochreatis acummais, spica plunflora secunda, bnclis ochieatis ovatis acummais raagnis, pengonii phjllis extetnis ovatis basi coalitis, pengonii phjllis laternhbus internis cuneatis, apice reiusis, nunc 1 — bis emarginatulis, labello ungmculato, transvcise ovato, apice obtuse acuto, cellulis valde prominulis, lamella biloba in medio postice ID dentem ezcurrente; gynostemio sub aridrodinio tnfldo, dente medio rostellan, lateralibus stigmaiticis reflexi* — A simili *St Imtyla* differt labello -r Crescit in Brasilia, Rio Janeiro

- 3 ST PAPAQUERFNSTIS Rchbch fil I c p 822 f - Gaulibus secundanis laxe vagfnatis, vaginis (cinnamomeis) amplis, apice oblique decisis, folns oblongis, basi cuneatis, apice bilobulatis, denticulo interjecto, pedunculo valido plurimifloro, basi parce (2—3-) vaginato, spica secunda, bracteis ochreais retusis, perigonii phyllis tnbua externis ovatis subacutis, basi coalitis, perigonii phyllis lateralibus mternis cuneath brevissirois, maigine antenore lunatis, labello subquadrato, antice 3—4-crenulalo, callo transverso per medium — Lrescit ad Rio Papaquera
- 4 ST MICROGLOSSA Rchbch fil I c pag 821 — Gaulibus secundarns articulatis, squamis yaginantibus acutis, foliis oblongis cuneatis crassis, apice emarginatulis, costa prominula tridentatis, pedunculo capillsri subnuiante ex axilla spathae lanceolatae acutae tennis, superne spicato, bracteis ochreatis acutissimx, internodns multo brevioribus, flonbus quaquaversis, perigonii phyllis externis aequalibus ovatis, basi connate, perigonii phyllis lateralibus mternis minutissimis ovalis truncatis, apice truncato involutis undulatis, labello aliquid minore ligulato incurvo, papillis ciliatulo, apice obtusato, margimbus infenonbus involute, centio labelli calloso, callo nunc sulcalo, gynostemii apice excavato, margine postenore trilobo, antenore prommulo tnlobo, lobo raedio emarginato — Habitat in Bjsphiae piovincin Minas Geraës

t **Icon addenda.**

ST OPHIOGLOSSOIDES Sw — Rchbch fil Orch Eur tab 4 20—23

1329 RESTBEPiA *Knth*

(LO 14 — Rchb fil in Wlprs Annal I 774)

- 1 R FRYTHROXANTHA Rchbch fil Linnaea XXII pag 817 — Caule secundano articulato, vaginis cucullatis albidis, apice hbero acutis, folio elliptico, apioe sub emarginato, nunc medio dente prominulo interjecto, basi ima cuneato, flonbus aggregate (ex pedunculi8 SICCIS — 7), pedunculis ex vagina acuta brevi exortis elongatis, apioe bracteatis, bractea ovata acuta excavata, umflons, ovario cylindraco sessili; perigonii phyllo externo supremo linean, basi dilaiato apice ligulato, laterallbus externis oblongi9 acutis, ad apicem fere connatis, perigonii phyllis ioterms supremo externo subaequalibus, sed dimidio prope brevionbus, labello panduraeformi, basin versus cuneato, ima basi biaunculato, tnnervi, margine serrulato, apice nunc emarginato, gynostemio clavato — Habitat m Columbm

1330 OBEROXIi *Lndl*

(LO 15)

- ¹ '0 IR(OrFOLIA Lmdl — Bot Mag t 4517

1335 JftllCROSTYlii *Nutt.*

(LO 15 — Rchb fil in Wlprs Annal I 774)

- ¹ M FASTIGIATA Rchbch fil Linnaea XXII pag 834 — Coule olongato, basi vaginis °>tusis vestno, 1—2-folio, foliis ovalibus, nunc acutis, nunc obtusis, basi nunc cor^tis, nunc ommno cuaeatis; racemo fastigioto, bracteis ovalis subacuiis, perigonii

- phyllis exterms lanceolatis acutis, pncgonii phyllis lateralibus mternis liocaribus labello basi cordato inangulan acuminato elongato — Habitat in montibus Seira Colorado ad Jalapa et ad Oaxaca in Mexico
- 2 M MAJANTHI MIFOLIA Rchbch (fl 1 c pag 834 — Caule basi vaginato, vaginis ajuce lancets, folio (ningulan apice aruto, angulis lateralibus oblusis, ima basi brevissimacunculo, ractmo longtime, bncteis lanceolatis acutis, lloubus posiius, pncgonu phjlllo supremo oblongo obliitiusculo, hluihbus ovnus ttuus obliqms, pncgonu phyllis lateralibus Interms lunnlis oblusis, labillo limiguhn, augulis obliMs, bnsi bnunculato, aunculis rciiorsis, media basi unguiculatd — *Mai axis majunihemitolia* bclchid ft Cham — Habitat in Mexico
3. M EIIRI NUERGII Rchbch fil 1 c pag 835 — Caule basi vaginato (3), mrdio monophyllo, folio oblongo basi el apice attenuato, racemo plunmitloro, bractus ovatii *eu oblongis acutis 1—3-nerviis, pedicelhs brevioubus fioubus posticis, pncgonu phjllis exterms oblongis acutis, pncgonu phjllis lateialibus interms linoubus, labello oblongo acuio, basi dilataio, ima basi binuulo, aunculis minimis, nunc obsolete, gibbere acuto in media parte basilan — Habitat Real del Monte Mexico
- 4 M BRACHYSTAFIYS Rchbch fil 1 c pag 834 — Caule elongato vagina to monophyllo, folio ovni oblusio acuio, basi cordato, racemo bre\issimo deiibifloio fastignto, biacieis ovatis acutis, pncgonu phyllis exterms oblongis obiu<is, peiigonu jthjllit. lateialibus interms lineanbus obtusis, labello ovali, basi coidalo acuio tianbverso — llabual in Mexico
- 5 M COCHLEARIAEFOLIA Rchbch HI I c pag 834 — Caule basi vagimlo, vugims apice acutis, folio ovalo acuio, basi coidato, racemo gracili tlongaio, braceit lanceolatis pncgonu phjllis exterms ovalis acuiis, pncgonu phyllis latei ilibus micinis lineanbus acutis, labello concavo cordato acuto — *Mala&is cvphltauaijolia* A Ricb • — Habitat in Mexico

t Icon Addenda.

M MONPHYLOS Lindl — Rchbch fil Orch Cur tab 141

1337. MILAXIS (Sw.) Lmdl

(LO.23)

1. *M PALDDOSA Sw — Rchbch fil Orch Eur tab 142

1339 €OR% EIEIORRHIZ% Hall

(LO 533 — Rchb fil in Wlprs Annal I 775)

- 1 C EHRENBURGII Rchbch fil Linnaea XXII pag 833 — Rhizomate dense squamato, squamis rotundatis nunc inter supremas mterjecta foliacea lanceolala colorata, squamis caulmis 3—4 araplis, apice libero acutis, racemo multifloro flonbus speciosUt pncgonu phyllis exteims supremo oblongo obtuso cuneato, lateralibus similibus m^{an} jonbus obliquis, basi ima in calcar spurivm brevissjmm obtusum libeium ~~consequen~~ bus, pncgonu phyllis iateialibus interms supremo externo acqialibus, labello ~~uagu~~ culato subquadrato, basi juauiuulato, aunculis retrorsis erectis, antice relusifl, ~~ppno~~

acutis, lomellis 2 in basi labelli in Ifnea elevata supra' nervum medium confluentibus.
— Habitat in Mexico aequinoctiali.

t Iconetf addendae.

- C. INN ATA R. Br. — R«hb. fl. Orch. Eur. tab. 138. van *ericetomm* (*Cerallorrhiza ericeto-
rnm* L)ny. Kroyers Tidsskr. II. 429.) — Rchb. Hl. 1. c. lab. 139.
C. MULTIFOtTA Tint. — Torr. 1. I. c:«.
C ODOJNTORRHIZA Null. — Torr. Flor. of Now York VI. 269. f t. 126.

1339A. APIECTBVJH M.

(NutL Gen. pi. II. 197.)

1. 'A. HYEMALE Null. L c. - Torr. Flor. of New York. II. 270. + t. 127.

1340. STURM* Rchb.

(*Liparis* Rich. — LO. p. 26. — Rchb. fit in Wlprs. Annan I. 775.)

1. ST. KAPPLERI Rchbch. fli. Linnæa XXII. pag. 833. — Foliis oblongts acutis, basi ou*
nealis merabrajiaceis; pedunculo elongato in sicco sulcato, apice pancifloro; braeteis
linenribus sub anibesi reilexis; perigonii phyllis exlorois oblongis obtusis suLiaequali-
bns, perigonii phyllis Interalibus internis linearibus oblusis; labello cuneato amice re-
tuso obscure bis eniarginato, crenulato; gynostemio incurvo lotenbus alato. — ttabjtat
in Surinam, Para.
2. ST. ELLIPTICA Rchbch. fl. 1. c. pag. 833. — Caijle ancipili monophyllo; (olio oblongo
acuto; spica 12—10- flora; perigonii phyllis subaequalibus-liDearibiis; tabielloi ovalo.,
uiroquo latere emarginato undulato, apice mine subtiliter tridentalo, nervo medio Y8r
lido incrassaio, pone basin labelli in venulas diviso; gyoostemio incurve; axidrpclnio
postice emargioato. — Hnbitat in Guiana Britannica et Columbia.
3. ST. (LIPARIS Ach. Richard, Tentam. flop. Abyssin..II. 28f.) ABYSSINIGA Robbob. ffl«
— Pseudobulbo squamis Inxis obteclo; caulo erecto 3—4 uncias alto; fbljj* saéploa
binis, rarius ternis, inaequalibus ovalibus "eculis, auk ovali-oblojigis, basi vag^inajotipjis
glabris venosis planis; flonbus purpurascenlibus pedicellatls racemum oliganthum ef-
formamibus; braqteis^ali - lanceolalis acutis bvarfura aequantttns; sepalo supremo
lanceolaio oblusiuscuffirinorvio, latejpalibu^ dependentibus ultra mediam pa/tem ooa-
liis semiovalibus obiusis, internis longioribus linearibus; labello basi lata erecto. se-
micanaliculato, caeteruui linguilbrmi obtuso crasso integro, supra basin caruoculato. —
Habitat in monte Abyssioiae Selleuda juxta Adoua.

f Ieones addemiMw.

- ST- LILIFOLIA Rchbch. fl. — Rchb. fl. Orch. Eur. tab. 4. 24-30.
ST- LOESELII Rchb. - Rchb. fl. 1. c. tab. 140.

134a COELIA Lndl.

(LO. 36.)

- *C. MACROSTACHYS Lndl. — Van Houtte, Flore des serres V. p. 447 b. c. ic. xylogr.

Tribus II. *DENDROBIEAE*.1352. BOIIBOPHYLIJUIK *Thouars*.

(LO. 47. — Rchb. fl. in Wlprs. Annul. I. 776. — Blume, Rumphia IV. p. 42. haec: *Zyoglossum* Rwdt. 1823. in Blum. Cat. horl. Buitenz. — *Cirropclalum* Lndl. Bot. Reg. 1824. lab. 832. — *Megaclinium* Lndl. Bot. Reg. 1824. tab. 832. — *Diphyes* Blum. Bijdr. Fl. Ned. Ind. p. 310. — *Ephippium* Blum. op. cit. Sect. I. pag. 308. — *Tibrachia* Lndl. Bot. Reg. 832. — *Anisopetalum* Hook. Fl. Ex. tab. 149. — *Odontostylis* Kuhl et van Hass. Orch. lab. 4. — *Sestochilus* Kuhl et van Hass. Orch. tab. 3. — *Gersinia* Neraud Gaudich. in Freycin. Voy. bot. pag. 27. — *Lyraea* Lndl. Orch. 46. — *Trias* Lndl. Orch. lab. 60. — *Macrolepis* A. Rich. Sert. Astrolab. pag. 25. tab. 19.)

Perigonii ringentis vel conniventis vel patentis phylla libera vel lateralia inter se et cum ungue gynostemii connata, saepius inaequalia, lateralia basi obliqua, interiora nana vel rarissime exterioribus subaequalia. Labellum ungui gynostemii elastice vel articulatione irritabili affixum, rarius continuum integrum vel sublobatum. Gynostemium breve, basi in unguem magis minusve longum saepe incurvum productum, anlice bidentatum vel bicornutum, rarissime integrum. Anthera terminalis uni—bilocularis. Pollinia 1—2*), indivisa vel bipartibilia vel vertice lobulo aucta. — Herbae in Africa et Asia tropica frequenter, parcius repertae in America et extra tropicos, epiphytae: caudice repente, plerumque pseudobulbifero; foliis in pseudobulbis solitariis vel geminis, coriaceis; floribus in pedunculo rarius solitariis, spicatis, capitatis vel umbraculatis. — Generis hujus, quod hic a me definitum est, in plura genera sive potius subgenera dissolutionem non rejicio; turn vero ratio, qua labellum est insertum numerusque et conformatio polliniorum simul cum habitu harum stirpium magis, mea quidem sententia, erunt spectanda, quam phyllorum perigonii inter se magnitudo, vel an lateralia exteriora magis minusve sint connata, vel unguis gynostemii brevis sit, an elongatior, quibus maxime characteribus genera *Cirropetalum* et *Trias* Lindl. nituntur.

1. B. GRANDIFLORUM Blume I. c. p. 42. 1.195. f. 3. et tab. 199. B. (nominine EPHIPPIUM). — Bulbis prismaticis raonophyllis; foliis lanceolatis obtusis vel retusis; scapis unilloris; perigonii ringentis phyllis exterioribus maximis iaqualibus, dorsali latissimo obtuso arcuato - incurvo subcarinato, lateralibus acuminatissimis supra medium rofractis, interioribus nanis acutis; labello linguiformi obtuso compresso, ungui gynostemii articulatione irritabili affixo; gynostemio antice truncato - bicornuto. — Habitat in sylvis litoreis Novae Guineae, omnibus adhuc cognitis speciebus magnitudine florum praecellens, proximo. *B. Cheiri* et *B. pileato* Lindl. affline. — Anthera terminalis, opercularis, ovoidea, denti dorsali gynostemii affixa, fide icoms a Latour factae apice fissa et unilocularis, qui unum lantummodo pollinium appinxit, licet 8* annoiatione bretissima div. Zippelius apparet, bina singulis antheris contineri pollini* integerrima.
2. B. GHLOROPTERUM Rchbch. fl. Linnaea XXII. p. 835. - Perigonii phyllis extern** lanceolatis, lateralibus connatis, perigooii phyllis lateralibus iniernis ovatis acujis supra gynostemium galeatis ciliatis, labello irilobo, lobo medio ligulato cum gynoste*

*) Sic!!!

mio pede articulato, bacillante, basi crasso, apice tenui, lobis lateralibus minimis obtusis erectis; gynostemio bicornuto. — Habitat in Brasilia* provincia Rio Janeiro.

3. B. REGNELLI Rchbch. fl. 1. c. pag. 835. — Rhizomate filiformi repente pseudobulbifera, inter pseudobulbos incurvo (intersiliis pollicaribus); pseudobulbis aubtetragonis, radices velatas crebras proferentibus, monophyllis; foliis ligulatis acutis, basi angustatis; pedunculis basi pseudobulborum in axillis squamarum velutarum oris, filiformibus, gracillimis, nunc incurvis, squamis vaginantibus veslilis, supremis remotis; spica terminali pauciflora; bracteis lanceolatis acmis concavis canatis; floribus inversis; perigonii phyllo supremo lanceolato acuto concavo, lateralibus extemis triangularibus acuminatis basi cum raphi connatis, perigonii phyllis lateralibus internis oblongis obtusis, margine denticulatis (ditissimis raphidibus); labello ligulato basi unguiculato, lineis 5 elevatis obscure callosis; gynostemii brachiis lanceis. — Habitat in Brasiliae provincia Minas Gerais. *
4. B. MERIDENSE Rchbch. fl. 1. c. pag. 836. — Pedunculo elongato, vaginis raris (%) vestito, in parte superiore spica to, pluriflora (30); bracteis oblongis subacutis; perigonii phyllis externis lanceolatis acutis crassis, perigonii phyllis lateralibus internis oblongis, margine papillis ciliatis; labello inguiculato panduraeformi, auriculis basilibus excavatulis, apice atque margine auricularum papillis densis filiformibus obtecto. — Habitat in Venezuelae provincia Merida altit. 4500 ped.
5. B. UNGUICULATUM Rchbch. fl. 1. c. p. 864. — Pseudobulbis squamis obtectis; folio solitario oblongo, basi et apice attenuato; pedunculo solitario erecto, basi squamis vaginantibus, apice lanceis vestito; spica pluriflora; bracteis lanceolatis cuspidatis; perigonii phyllis externis lanceolatis subacutis, lateralibus obliquis, perigonii phyllis lateralibus internis oblongis cuneatis multo minoribus; labello ligulato unguiculato, basi cordato, apice obtuso. — Habitat in Java.

1352_x. SARCOPODIUM Lindl.

(Lindl. in Pait. Flow, garden I. p. 136. ft p. 155.)

Habitus Bolbophylli. Pollinia et columna Dendrobii. Sepala coriacea, lateralibus basi ventricosa. Labellum coriaceum, basi dilatatura. (Haud bolbophyllum, quod pollinia 4 nec 2, et columna mutica nec cirrata. Haud Dendrobium, quod sepala et labellum coriacea basi ventricosa nec ornata vel calcarata.)

1. ^kS. LORBII Lindl. 8t Paxt. Flow. gard. I. 154. fig. 98. c. ic. xylogr. quae partem reddit iconis Bot. Mag. tab. 4532.

1353. CIBROPSITAEiUIII Lindl.

(L.O. 58. — Rchb. fl. In Wiprs. Ann. I 776.)

1. ^c - FIMBRIATUM Lindl. Bot. Reg. 1839; Suppl. p. 72. - Hook. Bot. Magaz. tab. 4391.

[^] ^c - Wallichii Grab. Gatal. Bombay pi. p. 205.

- * ^c - MACRAEI Lindl. - Bot. Mag. tab. 4422.

3. ^c - C. NUTANS Lindl. - Bot. Mag. tab. 4418.

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67

1363 *ERIA Lindl.*

(LO. 65. — Rchb, 01. in Wlprs. Ann. I. 776.)

1. *E. ACERVATA* Lindl. in Paxt. Flow. gard. !. JK 170. no. 222. — Pseudobulbis rompressis, uno super alterum cumulatis, collobrevi diphyllis; foliis reclis ensatis; raremis axillaribus 2—3-florh; bracteis pluribus super peduncuhum ovatis acuminatis revolutis; sepalis petalisque ova us acutis; labelli trilobati trilamellati loliis aculis, intermedio oblongo multo longiore. — Habitat in India orient!*

1365. *OXYSTQPHYIIJÛJH Blume.*

(LO. p. 71. — Blume, Rumphia IV. 40. fit^Bijdr. FJ. Ned. Ind. p. 335. fig. XXXVIII.)

Perigonii phylla erecta yel patentia, inaequalia, lateralia majora, obliqua, ungui gynostemii conn at a, interiora minora. Labellum ungui gynostemii elasticè affixum, sessile, indrvisum, limbo'carnoso, subtus tuberculato. Gynostemiim semiteres, basi longe productum, postice dente antherifero elongalo terminatum. Anthera terminalis bilocularis. Pollinia 2, subglobosa, postice angulata, margini glanduloso androclinii agglutinata. — Herbae Indiae orientalis, Moliicarum et Novae Guineas, epiphytae caulescentes glabrae: caulibus fasciculatis, distiche foliatis; foliis equitanlibus, ensiformibus, basi vaginatis, rigidis vel carnosis; floribus subcapitatis, axillaribus, sessilibus, paleis cinctis. — Hoc genus, ut Apoꝝrum et Macrostromium, potius habitu peculiari. quam characteribus organis fructificationis depromptis a Dendrobio distinguendum, nisi quod poK linia non, sicuf in illo, bipartibilia esse solent. Fieri potest, ut sequens una ex iis sit speqiebus, quas Rumphius npster in capite nono Herb. Amb. p. 110—112. tanquam species varias „*Danu sub at*” descripsit, sed eas ex hac descriptione discernere difficile est.

1. *O. ATROPURPUREUM* Blume, Rumphia IT. 41. f tab. 193. fig. 4. ft tab. 198/G. — Foliis carnosis roctis vel subfalcatis; labelli limbo retuso, ad margines erosulo J, tuberculo apicis acuto — Hphitat in sylvis liioreis Novae Guineae in arboribus: — Gaules 4-poll, ad sesquipedalea erecti foliosi, interdOm proliferi, basin versus attenuati el foliorum vaginis tubulosis oblique iruncalis aridis striatis fuscis v^{er} stiti. Folia erecto - pntemia, recta vel subfalcata, 2 — 27a poll. Ionga, ensiformni* acutissima carnosia flexilia. Flores inter folia e paleis fuscis congestis vel bra* cteis dilacerati* emergentes, sessiles mediocres purpurei, bractea ovata acuminata ovarium amplectente suffultu. Perigonii phylla subcarnosa, erecta, oblong<i acuta, leviter carinata, exteriora ima brevissiqta connate, ex quibus anteriora basi sua oblique ad unguem gynostemii decurrunt, duo interiora exteriora postico mi'' nora. Labellum pbyllis perigonii longius et crassius ascendens, spathilato-oblongufD> concavum, sine articulaUooe uogui gynostemii' elastica afflxum, limbum versus medi< crassius, in dorso sub apice retuso dente seu tuberculo acuo carnosio, marginibus late< ralibu9 extenMatis recurvis erosulum. Gynostemium inferne in unguem applanatum< elongntum, superne semiteres obtusatum, postice in dAntsm sulwlatum incurvum B< iheriferum protracium; androolinio in apice gynostemii excavaio, in anteriori margin< supra stigma profunde exsculptum nliquantum glanduloso calloso. Anthera operculari< conica, dorso afflxa, bilocularis. Pollinia in floribus a, me exploratis jam emisiam ^

ut probabile, quemadmodum in aliis speciebus subglobosa, postice subangulato - depressa, ac juxta sese invicem margini glanduloso androclino agglutinata. Capsula ellipsoidea subtrigona, perigonio tunc emarcescente coriata, fissuris lateralibus fenestratim dehiscens unilocularis, inclusis stipulis, spermophoris tribus costalibus lateralibus. Semina creberrima minutissima, forma irregulari, plerumque elongato-ellipsoidea et recta, alia curva, spermophoride relaxata striolata semipellucida, nucleum ellipsoideo-globosum includente.

1368/. *ITOURI* Blume.

(Blume, Rumphia IV. 41.)

Perigonii explanati phylla lateraliter exteriora basi cohaerentia, interiora conformia, angustiora. Labellum basi cum ungue gynostemii saepe subtrilobum, lobis lateralibus circa gynostemium in coronam membranaceam amplectentem connatis, intermedio elongato, palato, disco tuberculato-cristato. Gynostemium breve, crassum, basi productum. Anthera incomplete bitocularis. gynostemii denti dorsali affixa. Pollinia duo collateraliter. — Herba Novae Guineae epiphyta caulescens glabra: caulis bulbosus - incrassatus articulatus sulcatus, ex apice foliiferis; foliis paucis alternis subsessilibus coriaceis firmis nervosis; scapo laterali racemoso laxifloro; floribus speciosis. — Nostra plantae bene perichthidis specimina admodum vitiosa sunt, itaque generis characterem fide figurae et analyseos in Nova Guinea a Latour delineatae prodidi, ipsum autem genus de nomine artificis solertissimi appellavi, qui diu mihi Flore Javae exploranti socius affuit fidelissimus ac deinde, ex India jam re verso delineandis multis, quae operi deerant, utilem praestitit operam. Valde autem insigne hoc genus est conformatione labelli, cujus lobi laterales circa gynostemium coronam illi non conjunctam, sed tantummodo cingentem efficiunt. Habitu cum Dendrobiis compluribus congruit.

1. L. SPECTABILIS Blume l. c. et tab. 195. fig. 1. et lab. 199/C — Gaudex superficialis, irregulariter tuberosus annulatus, paleaceus, fibris radicalibus cortici arborum alligatus, e quovis tubere caulem circiter subglobosum rectum clavatum conspurcato-articulatum sulcatum firmum fibroso-carnosum, inferne nodum ex gilvo fuscum, superne viridem et vulgo tribus foliis approximatis obsessum evolvens. Folia ovato-patentia, $4\frac{1}{9}$ —6-poll., 2—3 poll., lata, ovali-oblonga, obtusa vel emarginata, ad basin in petiolum brevem late vaginantem constricta, coriacea, rigida, nervosa, nitida, supra obscure viridia, subtus pallidiora. Racemus infra folia lateraliter, solitarii, arrectus, hinc hinc pedunculatus, floribus ferme 5—7 alternis subsessilibus. Perigonium explanatum, patentissimum undulatum; phylla laevigata, acuminatissima lutescentia, intus basin versus elegantissime purpureo-striolata, anteriora duo arcuato-conniventia, ad basin majorem infra labellum inter se cohaerentia, interiora postice externo angustiora et ut videtur paulo longiora. Labellum in basi cum ungue gynostemii in saccum brevem oblongum connatum, violaceum, lobis lateralibus in coronam gynostemium cingentem membranaceam undulatam connatis, lobo medio phyllis perigonii subconformi, patulo, ad latera venis purpureis arcuato-anastomosantibus, medio cristis elevatis purpureis et ad basin tuberculis tribus oblongis albidis. Gynostemium basi in unguem latum cum labello saccatum productum, breve, latifusculum, album, fauce arnica submarginatum, in verice androclino excavatum, cujus unguini posteriori anthera majorem dentem incurva annexa. Anthera subrotunda, piano-cosca, postice emarginata, ahtide in videtur margine in oculo truncata, incomplete bilocularis. Pollinia 2, elongata ellipsoidea collateraliter. Stigma subtrigonum excavatum, calloso-marginatum. — Habitat in Nova Guinea in arboribus.

1369. BEIVDROBIUUI Sw.

(LO. p. 74. — Rchb. fl. in Wlpps. Ann. I. 777. — Blume, Rumphia IV. p. 79: Sw. Nov. act. Ups. VI. p. 82. t. 5. 0g. 5. — R. Mr. Prodr. fl. Nov. Holl. 332. — Lindl. Gen. et sp. Orch. p. 74 (ul reliqua omnia citata exclusis *Sarcostomate* et *Gastridio* I) — *Bontia* Petiv. Gazoph. t. 44. tig. 10. — *Ceraia* Lour. Ft. Cochin, ed. Wild. p. 632. — *Polystachya* Hook. Ex. Fl. tab. 103. — *Pedilonum* Blum. Bijdr. Ned. Ind. p. 310. fig. XXXVI. — *Onychium* Blum. 1. c. p. 323. fig. X. — *Desmotrichum* Blum. 1. c. p. 329. fig. XXXV.)

Perigonii patentis vel conniventis phylla inaequalia, lateralia majora, obliqua* ungui gynostemii adnata, interiora exteriore postico majora vel minora. Labellum cum ungue gynostemii. articulatum vel connatum sessile, indivisum vel thlobum, interdum appendiculatum. Gynostemium semiteres, basi magis minusve longe productum. Anthera terminalis bilocularis. Pollinia 4, per paria collateralia. — Herbae in regionibus tarn Novi Orbis, quam Asiae et Novae Hollandiae abundantes, paucae plagas temperatiores Asiae borealis incolentes, paucissimae in Africa insulisque vicinis repertae, epiphytae, caulescentes vel rhizomate repente pseudo-bulbifero: foliis saepius planis subnervosis; floribus solitariis, fasciculatis, racemosis, rarissime paniculatis, vulgo speciosis. — Genus hoc latissime extensum et stirpes habitu perquam heterogeneas amplexum in plura nisi genera, certa subgenera videtur dividendum, id quod jam antea in Dendrobiis Javanicis sum conatus. In ea re autem imprimis habitum et peculiarem labelli conformationem ei congruam spectavi. Itaque Lindley, Vir Cl., qui enucleanda hac difficillima familia optime de studio botanices est meritus, propria genera constituit *Aporum* et *Macrostomium*, alia autem, veluti *Gastriditum* et *Sarcostoma*, et illa non minus diversa, cum Dendrobio Sw. conjunxit. At si constantes esse volumus, et haec servanda sunt, et *Aporum* atque *Macrostomium* rursus cum Dendrobio conjungenda, quantumvis foliatura a reliquis plantis hujus generis differant. Nam secundum characteres vegetationis a Cl. Lindley 1. c. proditos, Dendrobiis sunt „folia plana, saepius venosa“* id quod nequaquam illis congruit, quae 9i. S- V. descripsit, quibus scilicet „folia sunt teretia, subulata vel semicylindracea“. Meum de Dendrobiis Indiae Orientalis in subgenera dividendis alio loco exponam sententiam, quod hic ternus non patitur. Jam vero duas species vaide raras explorabimus, quod quasi transitum ad *Cadetiam* Gaudich. exhibent*).

§. 4. Eudendrobium.

I. *Grandia*.

*D. ANOSMUM Lindl. — PaxU, Mag. of bot. XV. 97. c. ic.

' D. TORTILE Lindl. - Bot. Mag. t. 4477.

*) Scil. Dendrobium beleroideum ft funiforme.

II. *Transparently*

1. D. DEVONIANUM Paxt. Mag. of bot. VII. 169. — Hook. Bot. Mag. tab. 4429. f — Gaubibus elongato - cylindraccis urticulatis snatis proliferis, junioribus foliiferis; foliis linear! - lanceolntis dislichis submembranaceis ncuminalis; floribus (5 — 6) aggregatis; sepalis lanceolntis integerrimis; petalis ovalis aculis ciliatis, apice purpureo-maculatis, labello cocullaio amplo Intissim' cordato pulcherrime plumoso-flmbriato, intus maculis 2 aurantiacis, apice emargmato purpureo, calcari brevissimo. — In India orientali.
2. D. CREPIDATUM Lindl. ft Paxt. Flow. gard. I. pag. 63. fig. 45. — Caulibus teretibus -erectis; foliis ...; floribus geminis; scpnlis petalisque oblongjs obtusis firmis; labello oblongo integro subsinuato obtuso, lateribus erectis, intus levissime pubescente, basi utrinque plicato-venoso, cornu brevi obtuso. — Habitat in Archipelago Indico.

t *Ieones addendae.*

- *D. TRANSPARENS Walh. — Paxt. & Lindl. Flow. gard. I. 133. fig. 27.
 'D. PULCHELLUM Roxb. — Rchb. fil. Orch. Eur. lab. 4. fig 31—36.,

III. *Chrysantha.*

- *D. OCHREATUM Lindl. — *Dendrobium Campridgeanum* Lindl. — Bot. Mag. t. 44SO.

%. 5. Pedilonum.

- *D. SECUNDUM Wall. - Bot. Mag. t. 4352.

§. 6. Stachyobium.

A.

- 'D. FORMOSUM Rxb. — Morren, Ann. de la «oc. d'agric. de Gand IV. 9. t. 171.

§. 8. Dendrocoryne.

A.

- *D. KINGIANUM fiildwill. - Bot. Mag. t. 4527.

B*.

- *D. AGGREGATUM Rxb. - Morren 1 c. V. 249. t. 263.

§. 9^b. Pseudocadetia Rchb. fil. mss.

- ³. D. FCINIFORME Blume, Rumphia IV. 40. f tab. 193. fig. 5. ft t. 198. D. f — Balbis in caudice repente aggregatis conicis monophylis; foliis ovalibus vel oblongis retusis cernosis uninerviis; floribus terminalibus solitariis; labelli spathulati limbo integerrimo obtuso. — Prae caeteris speciebus vilgo floribus mgnis speciosis excelli revera nanuro. ^{Ca}ndex funiformis, ramosus, repens, paleis membranaceis aridis fuscis vestitus, quas nter flbrae radicales breves, quibus corlici arborum alligatur. Bulbi aggregati, ^{Ca}ecundi, 4—6 lin. longi, conici, obliqui vel arrecti, pallide virentes, riTonophylli. Folia ^{Cl}rciter longitudine bulborum, 2-3 lin. lata; obtusa vel saepius retusa, basi in peiolum

brevissimum constncta carnooa, glabra, nervo medio supra canaliculaio Flores ex apicebulbi solitau, eiecli, pedicellati, parvi, albi, limbo labelli sulphureo Braclea paiva, ovato-lanceolata, membranacea, pedicelli basin amplectens Phylla perigomi erecta patentia, lanceolata, acutn, antenoro duo lalicllum ungui gynonemn ndnatum amplecVntia et ad basin ojus in calrar obtusum unita, inteuora extenore postico plus duplo angustiora Labellum phjhl duo nnteuora longiluriine adieqiians, linenn - spatluilntum, obtusum, inipgemmm, margimbus superne involutis Pars gynosiemii superior supra ovanum porrecta brevis, latiiiscyja, semiteres, ad htus androclinu terminalis depressi dentibus duohus acutis unoque dorsali nntnthenfeio praedita Anthera operculans, subrotunda, plano-convexa, fusca, postice subbiloba, biloculans Pollima 2, oblonga, bipartibilia, sive mavis 4 pei pana collaieralia, substantia pulposa ceraoea — Crescit in No\|a Guinea in cortice arborum putridarum

- 4 D. HETEHOIDEUM Bhime I c p 40. f tab. 193 fig 6 — Gaulibus fasciculatis monophyllis, foilis oblongo-lanceolatis retusis conaceis uninervus; flonbus termmalibus sohtanis vel paucis e paleis dilaceratis eiumpenlibus, labelli limbo subinlobo obtuso — Mirpem pusillam non dubio *Cadehae* adsenberem, nisi labellum ungui gynosiemii producto inserium esse vidissem, at mmis laesus erai flos, quern unum habebam, ut ex eo analysin Inceiem, quapropter non nisi plantnm a Latour in loco depictam hie exhibere po«suin Tota autem glabra Caulcs e radice fibrosa plures, %—2 polices longi, e basi attenuata interdum vagmula cincta subclavati, terefts, luscii, ex apice monophylli. Folium sessile, et i—1%-poll, 4—5 lin latum, obtusum, retusum, flrmum, flavo - virens, nervo medio supra canaliculato, subtus obsolete prommente Flores e paleis s laceo-flssis brunneis sese evolventes, parvi, albi Thjlla perigonn erecta comventia, oblonga, obtusa, anienora cum basi gynostemii piodutta, labellum c.ilcar obtusum aemulans amplectentia, inlenora duo exteuori postico confoimia, sed eo mi* nora Labellum ungui gynosiemii m basi afflxum, spathulato-oblongum, limbo eiecte, obiuoum, obsolete mlobum — Habitai in sylvis in corlice aiborum vctusioruni Novae Guineae.

Subordo II. *EPIJDE]%'JDJREAE Lindl.*

1371. *EPHNBUtfBRITII L.*

(LO. p. 96 — Rchb fil in Wlprs Ann I 778)

Sect. IV. *ENCYCLIUM.*

- 1 E HUMBOLDTII Rchbch fil Linnaea XXII. p 836 — Pengonu phyllis exterms oblongis acutis, basi aliquid cunealis, perigonn pb>llis lateralibus interms obtusis, basi void⁴ cuneatis, sub apice dilatatis, labello maximo tnlobo, basi ima cuneato, lobis laieranibus mtegris obtusatis, lobo medio maximo subquadrato, antice emargmato, rnarg¹⁰⁰ denticulato, nevis 7 mediams elevatis a basi nd centrum cnstogens, cnstis crenato-serratis, gyno^temio postice caunato, androclinu margine tndcentaio, loterjecto dent0 antice rostellan — Hnbitat propf Poito Gabetio
- 2 E. GRAMMATOGLOSSUM Rchbch fil 1. c p. 837 — bpaiha merabi anácea, pedunculj elongato multifloio, biacteis lanceolate acutis ovano pedicellaio bievioubus, p¹⁰⁰ phyllis <\teims lanceolatis acutis, perigonn phyllis lateialibus mieinis cuneatis ^{acum-} natis angustionbus, labeJlo baai cuneato, cum gynostemio subconnaio, lamina ^{triloba,} lobis lateralibMB rotundatis, medio aciinunato, callis 2 antice subliberis in m^{edio.} Habitat in montihus prov Truxillo alut. 5000 ped.

3. E. QUADRATUM Ktztlofa. iti Otto ft Dietr. AH gem. Grtnztng. XVIII. 40?. f — Pseudobulbis caespitosis ovatis teretibus laevibus glabris, in caulem articulationum alternatis; foliis basi vaginatis subcoriaceis lanceolato-linearibus, acuminatis, subtus leviter carinatis, ad articulationem insertis; racemo simplici caule continuo, pedem longior, ita—12-floro glabro; floribus erectis, bracteis ovato-lanceolatis acutis strictis summissis; perigonii foliolis viridi-fuscis immaculatis, exterioribus obovato-oblongis, breviter acutis, interioribus spatulatis subacutis; labello unguiculato, libero, quadrilobo, sordide albido, lobis lateralibus anguste oblongis, obtusis, patentibus, minutissime rubro-punctatis, lobo medio bifido deflexo, radiatim plicato-luberculoso, disco pulvinateo flavido; gynostemio stricto, obtuse triangulari. — Guatemala.
4. E. LONGISETALUM Lindl. 8c Paxton, Flow. gard. I. p. 149. t. 30. — Pseudobulbis ovata; foliis binis reclis ensatis obtusis; panícula laxa multo longiore; aepalis petalisque conformibus spatulatis unguiculatis obtusis; labelli postici liberi trilobi ungue concavo calloso, laciniis rotundatis, lateralibus erectis, intermedia convexa multo majoremarginata undulata, venis pluribus flevatis coloratis radiatis. — *E. aromaticum* var. *Hon.* nonnull. — Habitat in Guatemala.

t Icones addendae*

- E. PHOENIGEUM var. VANILLOSMUM Van Houtte, Flore des serres tab. 306.
E. ATROPURPUREUM W. (MACROCHILUM Hook.) - Van Houtte J. c. IV. tab. 372.

V. Aulizeum.

5. E. MORITZII Rehbch. fl. 1. c. p. 837. — Spatula magna ampla; spica multiflora nuicosa; bracteis minimis acutis; perigonii perianthibus lanceolatis acutis, perigonii perianthibus lateralibus internis unguiculatis nunc obusioribus; labelli lamina libera triloba, lobis lateralibus rotundatis, apice producto nunc acuto, nunc obtuso, margine nunc serrulato, lobo medio producto ligulato acuto, tuberculis 4—5 in basi labelli; gynostemio amice bicornuto. — Habitat in Merida.

VI. Osmophytum.

6. E. PAMPLONENSE Rehbch. fl. Xinnaea XXN. p. 837. - Racemo multinoro (14); bracteis lanceolatis acutis; perigonii perianthibus externis oblongis cuneatis obtusis, perigonii perianthibus lateralibus internis subaequalibus minoribus; labello minuto ovato cuneato, amice nunc acuto, obsolete trilobo (tamen *Osmophytum*), lobis marginalibus longitudo-nali foliaceo, apice acuto, lateralibus irapicalo, portione lateralibus binae centrum ipsius calli tegentibus; androclino margine trilobo, lobo dorsal! obusio, laciniis subolata medio anteposita antheraeque imposita, lobis lateralibus emarginatis. — Habitat in Nova Granada, Pamplona, altit. 6000 pedes.

f Icon. addenda.

- E. FRAGRANS Sw. — Rehb. fl. Orch. Eur. I. 4. fig. 1-7.

VIII. Spathium.

- E. KLOTZSCHEANUM Rehb. fl. 1. c. p. 838. — Spatula geminis acutis maculatis; racemo cernuo elongato; bracteis lanceolatis cuspidatis; perigonii perianthibus externis oblongis acutis, perigonii perianthibus lateralibus internis lanceolatis acutis; labelli lamina libera triloba, lobis lateralibus rotundatis, lobo medio producto, medio acuto, lineis 3 elevatis in medio, calicibus 2 magnis in basi (sc. I obliquis); androclino subintegro. — Habitat in montibus Sierra Nevada.

8. *E. TOVARENSE* Rehbch. fl. 1. c. p. 838. — Spatha brevi acuta carinata (?); panicula pauciflora; bracteis minutissimis squamiformibus acutis; perigonii phyllis externis oblongis obtusis, perigonii phyllis lateralibus internis subaequilongis, basi cuneatis; labelli lamina libera triloba, lobis lateralibus semiovatis aliquid cuneatis, basi bicarosis, medio cuneato rotundato, antice emarginato, margine hinc inde minute denticulato. — Habitat in Columbia prope Tovar.
9. *E. SCHLIMII* Rehbch. fl. 1. c. p. 838. — Pedunculo erecto subflexuoso, basi spathaceo, spatha lanceolata acuta parva, internodio ad florem brevior; bracteis lanceolatis acutis; floribus (minimis) paucis erectis; ovarii valde cucullatis; perigonii phyllis externis ovalis acutis, supremo cuneato, perigonii phyllis lateralibus internis linearibus, apice dilatatis acutis; inbello transverso oblongo, nunc emarginato, basi subcordato. — Habitat in Merida altit. 6500 ped.
10. *E. XANTHOLEUCUM* Rehbch. ill. 1. c. p. 839. — Spathis tribus brevibus subacutis; racemo recurvo abbreviato multifloro; bracteis oblongis acutis; perigonii phyllis externis oblongis subacutis cuneatis, perigonii phyllis lateralibus internis linearibus, apice dilatatis apiculatis; labelli lamina libera triloba, lobis lateralibus rotundatis, sinu obtuso disjuncta a lobo medio abbreviato cuneato, antice bilobulato, margine repandulo. — Habitat in Merida.

IX. *Amp big lot Hum.*

11. *E. SKINNERI* Lindl. • novum synonymon (obtinui iconem, quae mihi probavit, me ex templo recte 'speciem huc retulisse): *E. (Eupidendrum) Fuchsii* Rgl. Ind. sem. hort. Turic. 1850. coll. p. 4. adn. — Caule compresso ancipiti nodoso folioso; foliis linearilanceolatis acutis; racemo terminali; pedunculo communi foliis longiore, squamis alternis membranaceis vestito, superne 2—3 flores gerente; floribus saturate roseis; sepalis exterioribus lanceolatis acutis, interioribus ovato-lanceolatis; labello indiviso inlegerrimo piano rhombo-ovato. — Habitat in Guatemala.
12. *E. FUNKII* Rehbch. fl. 1. c. p. 839. — Panicula multiflora; bracteis brevissimis lanceolatis obtusis; perigonii phyllis externis oblongis acutis, perigonii phyllis lateralibus internis cuneatis, apice obtuse trilobis; labello trilobo, lobis lateralibus oblongis, latere externo retusis denticulatis, lobo medio cuneato, antice retuso, calty bicurvi in basi labelli, lamella erecta interposita. — Habitat in Pamplona ad altit. 7500 ped.
13. *E. SELLOWII* Rehbch. fl. 1. c. p. 839. — Pedunculo brevi squamato, squamis
nantibus subaculis bracteis subaequalibus; ovarii pedicellatis longioribus; florum
perigonii phyllis externis oblongis acutis, perigonii phyllis lateralibus internis
stioribus; labello cordato aculo, basi bicarinato. — Habitat in Brasilia.
14. *E. ANTENNIFERUM* Lindl. et Paxt. Flow. gard. I. 184. no. 234. — Foliis corlaceis
oblongis acutis; pedunculo gracillimo apice subpaniculato; petalis longissimis
mibus; labello ovalo leviter dentato, basi trituberculato. — Habitat ad Xalapam
canorum.
15. *E. ORNATUM* Lemaire in Van Houtte, Flore des serres IV. p. 334 b. adn. f. — Racemus
terminali ramoso longissimo nutante; bracteis minimis subulatis; sepalis carnis
longo-cochleariformibus, extus verrucosis; petalis filiformibus ad apicem latioribus
omnibus retroflexis viridibus; pedicello flore duplo longioribus; ovario verruculato
labelli irilobi coriacei, ad discum convexum trienrinati, ad basin bituberculati
lateralibus irregulariter rotundatis expansis, medianis lobulis oblongis obtusis
inter eos carina disci evanescente; pseudobulbis nullis; caulibus coespitosis
pedalibus et ultra atroviolaceis; foliis alternatim dispositis vuginantibus, inferioribus
lanceolatis brevioribus, medianis oblongis angustis acuminalis violaceis et den-

net vans — Honbus widibus, labello albo in disco sims concnlncls coccincis (incarinato) maculain rotundatam formanubus ornato — St Thomas
Obs Videtur *Epidendro ovahfoho* Lindl valde, valde affine! Hchb fil

X *Luepidend) urn*

- 16 I MATUTINUM Reichenbach fil Linnæa XXII pag 840 — Racemo incuivo brevi mulu-
 floio, btactcib hnccthtis aculis, ovanis pediccliatls raulto J)rcvionbus, pciî^omi ph)l
 lib exicrms lanceolatis acuus, pciigonu phyllis lateialibus internis subaequalibus, sub
 apico dilatalis, labelli lamina libeialnloba, lobis laici ilibu* margmo externo rotundn-
 Hs, apice aculis, lobo medio producio ligulato acuto, lamellis mbys elevatis in medio
 disco labelli, callis 2 paivi» in bnsi — Habilit in Mendn
- 17 E PHILIPPII Reichenbach ill 1 c p 840 — Racemo paucilloro, biacleis lanceolatis ncu-
 tjs, o\ana pedicellaia superanubus, pengonu phyllis exlcrnis oblongis acutis, pengonu
 phyllis lalcralibus intcims lanreolatis aculis, basi cuncalis, mullo angusionbus bre-
 Monbusquo, hbelli lamina libna ovali, basi coidata, laicre ulroque sinuata, antice
 tinaiginaia, mirgmc subtiluer crenulato, calli-* 2 minimis in basi — Crescit in mon-
 iibus alussimis Ameuceae mcudionalis
- *8 L AGATUOSMICUM Reichenbach (il 1 c p 841 — ^Poinculæ ramis squarais oblongis
 aciuis suTuliis bracteis minimis cuspidatis, pengonu phyllis externis oblongis acutis,
 basi cunoatis, pengonu phyllis laiera4ibus internis lineanbus, apice ovatis aculis, la-
 belli lamina libera tnloba, lobis luieialibus seraiovQtis, basi aliquid cuneatis denticu-
 laus, callis 2 minimis in basi, lobo medio a basi cuneia dilatata transverso, antice
 emarginato denticulato. — Habitat in Caracas
- 19 E CARDIOGLOSSUM Reichenbach fil 1 c p 841 — Racemis pauoiflons cernuls, bracteis
 lanceolatis acutis, pengonu phyllis ezterms oblongis acutis, pengonu pbyllis laternl-
 bus intemis oblongis, basi cuneaiis, apice laiissimis acutis, labelli trilobi lamina
 libera oblonga, basi cordala, apice rctusiuscula, medio apiculata, latere utroque
 emarginaia, callis 2 in basi, Imcis 3 elevatis antepositis — Habitat in montibus Silln
 de Caracas
- *> 'E FLORIBUNDUM II B Knlh
 P *hlacmum* Reichenbach fil 1. c p 840 — Labelli lobis antenonbus nunc abbre-
 viatis, papillis laieialibus in centro labelli elongatis. — Habitat in Menda ct Pamplona
 montibus aim 7600 ped

f loon addend*.

r LACERTINUM Lindl — Van Houlte, Flore des serres IV t 376

Xb *Pleuranthium* Reichenbach fil. 1. c. p 841.

Caulis fohosus erectus. Pedunculi squamis imbricati vaginas **fohg-
 rum** perforantes. Labellum adnatum.

21 n DENDROBII Reichenbach fil I c p 841 — Pedunculis nunc simplicibus, nunc ra-
 mosis, squamis ovatis, nunc aculis imbncalis, pengonu phyllis externis oblongis, lala-
 ralibus obliquis, pengonu phyllis lateralibus mternis obtusis cuneaiis, labelli lamina
 libera rotunda, basi obtuse hastata, ante basin bicallosa — Habitat in Menda in mon-
 thua altissimis

1371A. SCHOMBFBGKIA Lindl.

(Lindl Sert. Orch X ft Bot Reg XXX 1843 sub 23)

1 'S TIBICINIS Ratera — Morren, Ann do lu soc. d'agnc de Gfind V 413 t 284

1373 **DIOTHOHTAEA** *Lmdl*

(Lindl m Hook Dot Journ I 12 13 — Sert t 40)

- 1 D OPPOSITIFOLTA Iichbeli ill Linnaea XXII p 842 — Flonbus terminolibus 4 ex aquamis exortis, pengonu phvllis externis lanceolatis acutis, perigonn phylls lateralibus mteinis mnionbus, labello liguhto acuto, cum gynosiemu alis basi cyathiformi, miigine mde involuto, dcin patente, calhs 2 parvis ante foveam basalem — *Eptdendium opposilifohum* A Rich — Habitat ad Oaxacam in Mexico, alt it 5000 ped

1378 **BRAS«AVOLA** *B. Bt*

(LO 114 — Rchb fil in Wlprs Ann I 779)

- 1 * B DIGDYANA LmdJ — (Wlprs Ann bot syst I p 779 no 1) - Dot Mag t 4474

1379. I i A E l t l * *Lindl*

(LO 115 — Rchb HI in Wlprs Ann I 780)

- 1 L GRANDIS Lindl ft Paxt Flow gard I p 60 fig 38 — Caule clavato monophyllo > folio coriaceo basi latius pedunculo bifloio basi spathaceo longiore, flonbus subhorizontahbus, sepalis ianceolatis reflexis, pctalis late lanceolatis denliculato - crispjs ronvcxis hbello parallels et paulo longiobus, labello membranaceo venoso nudo undulato tnlobo, lacimis lateralibus circa columnam convolutis et mullo longionbus ** Habitat in Drasiliae provincia Dahio

1379A. **CATTL.EYA** *Lindl*

(LO 116 — Rchb hi in Wlprs Ann 1. 780)

- 1 *C WALKLRIANA Gaidn — Paxt Magaz of bot XV 49 — Lindl 2c Paxt Flow ^{gard} 15 tab 3 (*C bulbosa* Bot Reg — Wlprs 1 c 780)
- 2 T LABIATA Lindl — lmdl ft Paxt Flo* ^{gard} I 117 tab 24

1380/2 **COEIiOOTHTfi** *Lindl*

(LO 38 — Endl 1347 — Rchb fil in Wlprs Ann I 780)

- 1 C FULIGINOSA Loddig mss ex Hook Bot Mag t 4440 f — Caudice repente ^{Pa} moso, pseudobulbis paivis oblongis compressis laevibus, loins binis late lance ^{ola} racemo terminali bracteato 4—5-floro, sepalis ovalo-oblongis, petalis ovalibus ^{dupi} minoribus labelh spathulati disco bilamellato lamellis cnspatjs, lobis lateralibus ^{brevi-} bus convolutis, terminali orbiculato ciliato fimbriato — In India one at ah
- 2 C TRISACCATA Griff mss ex Lmdl ft Paxt Flow gaid I 183 no 233 ^{Pa} bulbis elongatis, folns membranaceis obovato-lanceolatis 5-nervns, racemw ^r vantibus, bracteis latis ovatis obtusis cucullatis stenibus carnosus, flonfens mn ^{orib} membranaceis, flonbus conmvnu- clausis, basi tnsaccatis, petalis hneanbtffli ^{lab}

apicce trilobi lamellis 2 carnosis flexuosis per axin, laciniis subserrulatis rotundatis minue ciliaris, lateralibus rotundalis, intermedia nana biloba, basi dilatata. — Habitat in India tropica.

i loon addenda.

^ LOWH Paxl. Mag. of bot. XVI. 227. — Van Houtte, Fl. des serres VI. p. 236. c. ic. xylogr.

1380/3. **PL.EIOXE** *Don.*

(LO. p. 43. — Lindl. & Paxt. Flow. gard. II. 5. H5.)

* 'PL. WALLICHIANA Lindl. in Lindl. & Paxt. 1. c. II. 66. — *Coelogyne Wallichiana* Lindl. — Hook. Bot. Mag. 4496.

* 'PL. PRAECOX Lindl. — *Coelogyne praecox* Lindl. — Paxt. Mag. of bot. XIV. 7. c. ic.

1385/,. **PJBSOJVnBtljL** *Lndl.*

(Lindl. in Bot. Reg. XXIV. 1838. misc. ft)

¹. ' P. TETRAGONA Lindl. — Hook. Bot. Mag. tab. 44«*. *Jfrp*,

1388. **PHAJUS** *Lour.*

(LO. 126. — Rchb. ill. in Wlprs. Ann. I. 781.)

¹. * PH. MAGULATUS Lindl. — Rchb. Hl. Orch. Eur. tab. 4. flg. 8-14.

1389%. **ACANTHEPHIPPHJSE** *Blume.*

(LO. p. 177. - Rchb. Hl. in Wlprs. Ann. I. 781.)

* * A. JAVANICUM Blum. — Rchb. fl. in Wlprs. Ann. I. p. 751. no. 1. — Hook. Bot. Mag. t. 4492.*

? * A. BIGOLOR Lindl. — Rchb. fl. Orch. Eur. tab. 4. flg. 15—19.

1395A. **EVBIimfA** *Pbpp. if Endl.*

(Pdpp. & Endl. Nov. gen. ft sp. t. 58. sq. — Endl. Gen. 1323.)

¹ E. Ruizil Rchbch. fl. Linnaea XXII. pag. 842. — Simplex: caule eiecto valido; foliorum vaginis sulcalis, laminis oblongo-ellipticis acutis; vagina sub spica bractaeformi, apice subfoliacea; spica multiflora; bracteis lanceolatis acutis, floribus brevioribus; ovariis parce papillois; perigonii phyllo supremo lanceolato acuto, lateralibus subaequalibus, apice obliquis, perigonii phyllis lateralibus internis linearibus acutis, apice dilatatis; bollo orbiculari, margine denticulato, in basi bicalloso. — Habitat in Peruviae nomenbus.

² E. GRACILIS Rchbch. fl. 1. c. p. 843. — Subrainosa: caule gracili multiifolio; vaginis nervosis, papillis acutis nunc ipsis muricatis maculatis; foliis lanceolatis basi cuneatis acuminatis, nervis validis quinque; vagina sub inflorescentia apice acuminata subfoliacea hinc inde pariter muricata; spica abbreviata; bracteis inferioribus lanceis* floribus

longioribus, Mipenonibus aequalibus, ovanopapillis filiformibus obsito, pengonu phyllo supremo ovali acuto, pengonu phyllis externis lateralibus oblongis acutis, pengonu phyllis laevibus micromis cuneatis obtusis, labello panduraeformi apice reluso denticulato, callis 2 ovatis ante basin — Habitat in Venezuela

139b PLOCOCULIOTTIS *Mume*

LO 132 — Dlumo, Mus bot Lugd Bat 4b)

Terminis lingentis phylla exteriora lateralia labello supposita, intima angustiora, cum postico subimbricato - conniventia. Labellum cum basi gynostemii brevissime saccatum eique utrinque plicis membranae connexum, limbo integro, primo erecto, deinde elasticè reflexo, gynostemium superne liberum, crassum, semiteretis, basi nonnihil productum. Anthera terminales, intravaginalis, biloculares, loculis transverse septatis, pollinia 4 orbiculata, caudiculis duabus pulvereis glandularum communi loculi connexa. — Herbae terrestres, in Archipelago Indico insularum Molucca locis umbrosis humidis nascentes, e his omnes epiphytae lepta aut folia unilateralia petiolata, petiolo inferne circumscissato, aut caules distichos foliatis ad basin incrassatos vaginatos proferentes: folia membranacea, nervosis plicatis, scapo simplici, argenteo basi incrassata petioli ordo pubescenti, florum laciniosis, luteis, iubro- aut purpureo-vanegatis; bracteis cum alabastris lomentosis

- 1 [L] JAVANICA Dlumo, Mus bot Lugd Bat p 46 no 112 — Acaulis foliis longissimis linearibus oblongis utrinque acuminatis, phyllis pengonibus labelloque acutis — *Uluin* Didi flor F&S Ind p. 380 fig XXI — *Lindl Gen and spec Orchid* p 132 1 — *Angiek utan* Sundaico — In sylvis humidis altionibus Javae occidentalis
- 2 PL ACUMINATA Blume I c no 113 — Acaulis foliis breviter petiolatis elliptico-oblongis, utrinque acuminatis, phyllis pengonibus labelloque acuminatis — *Dendrobium javanicum* Kuhn — Habitat in sylvis montanis Javae occidentalis
- 3 VL LATIFOLIA Blume I c p 47 no 114 — Acaulis foliis breviter petiolatis laevibus ellipticis, utrinque acutis, phyllis pengonibus labelloque acuminatis — Habitat in sylvis montanis Javae occidentalis
- 4 PL DILATATA Blume I c no 115 — Caulescens foliis lanceolatis linearibus, labelli limbo dilatato spatulato acuto — Habitat in montibus Javae occidentalis
- 5 PL MOLUCCANA Blume I c no 116 — Gaulescens foliis lanceolatis subquincunciatis, labelli limbo subquadrato denticulato — *Apligianthus tuestii* Allott Rumph, lib VI 113 tab 50 fig 3 — Habitat in sylvis Ambonae

Subordo III. *VLEXHJEJLE* Lindl.

1399. ASPASIA Lindl

(LO 139)

¹ ASPASIA Lindl - *Rchb M Oitb Kur* tab 3 H 1. 2 3 4

1399A PHIUHESTA *Lindl.*

(Luid) Bol Reg 1846 t 57 — Rclib III in Wlprs Ann I 781)

I I' INOBILIS Rchbch fil Linnaca XXII pag 843 — Folio oblongo acuto, bast longe cuneato, laremo paucifloio (2—3), umva^rinat⁰, folio brevioie, bracteis oblongis* atu* tis, pctig-onn ptyllis quinque subacqualibus oblongo -linearibus acutis, lateralibus in-icrms sub apice lalionbus, fabello a basi angusla dildlato in lammam qtiadratam obtusangulara repandulam, anlice emarginatain, linea elevatula in basi — Habitat m Mcuda

1400 ORSTITHIBIUJII *Salisb.*

/(LO 139)

1 ' 0 SUIRULATUM *Lindl*

P. *acuminatum* Rcbccii fil Lmnaoa XXII p 856. — ^gfeengonii phyllis exteriori utuminatis, labello in distu bicornuto — Crescit in Merida,

1406. TRIGOIVIBICM *Lihdl.*

(Lindl Dot Reg 1837 XXIII 1923)

1 I RINGI INSLIHII —Hue MORMOLYCAFenzlinDenkschr.d kaisrli Ssteri Akad Mali) natuiw Classe I 253 t 29 — Pengonium in alabastro basi nud gibbum, sub anhesi n-^ens memo nullo, foliolis omnibus pfecte liberis, extenoribus posticum majus erectum oblongum concavum, apico cnlloso fomicato - mucronatum, laterals labello suboppo- sita paullelc dcfiexa lineana convergenti - subfalcna, inlenora linoanaanguslioia, basi obliqua, ante posticum parnllelc erecta, marginibus retro columnam longitudinaliter bubcontiguis revolulis Labelium liberum'ecalcaratum sessile, cum columnac basi arliculatum eiquo pnrallclum adscendens, oblongum, tnlobum, lobis latorialibus obsolete donnofoimibus, medio majore apice integernmo uncinato-reflexo, disco subcalloso, cillo piano ovato Columna scmitres mcuiva, basi ^ibdiJatata, ultra germims \erticem baud pioducto, apice clavato haud maiginato oblique truncata Antbcia oporeculana tonvtxa bilocularis Pollimo 4 ellipsoidea solida mcumbentia poi parm connata, pos- iica mmoia, caudiculaobsplcta, mediodorso glandulae luppocrepicae npicibus deoisom reclame affixa - MORMOLYCA LIJSEOLATA Fenzl I c f tab 29 - Acaulis psou- dobulhis caespnanlibus ovalis v. ovalibus ancipilibus, basi vagmatis monopbyllis Folm ^essia conacea lanceolata, acutn, canaliculaio - dcprcbsa, basi sublus argute caunata, mctorum eneivia, plus nuriusve recurva, laetc virnha Scapi radicales erecti, umnou, ^agmis remolis arclis fusco-scanosis acutis tunicali Pengonium laemsimum, soidido ~~flavum~~, foliolorum extenoribus posticum subnaviculare ecannalum, lineolis 7 v 11 salu- late sdngumei^ transversim anaslomosantibus pictum, laterals ejusdem longitulnlms cum interioribus subminonibus consimilibus apice maigimbusque subrevolutis plann, Purpmeo-5—7-slnaia Labelium pengomi foliolis externis subdimidio brevis, cai- nosum, oblongum, subvelulinum, parum infra medium utnnque unidontatum (mde lulo- b«n), dentibus acuiusculi^ palulis, lobo medio ovato obluso, nunc mtegeinino, nunc subcrenato, purpuieo-\enoso, a calli apico ultenus cum co et basi tai- nosula tnangulan airopurpureo, leliqua pane lld\o, Cdlio ovato basi semilunan de- currente medio depiesso odenlulo baud sulcalo Columna pengonio dimidio bicvioi

pubcuiua basi intus macula put purea pictn PolJimorum glandula teslacej — In Mexico propc Mnadoi

Obs Si quis dubitet, plantam vcio pcrlinere ad *T rmgcn** Lindl, inspiciat quacso Jabellum figuiac S ubi callus antice tridentatus reptetur, uti wiljo adest Callus, quads in fig 5, innor

1407 OTAXUIEiARIA *Rz Pav*

(LO 142 — Rchb fil in Wlprs Ann I 782)

Sect. COLACASTIWM

- 1 M SULPHUMNA Lcmaire in Van Houtte, Flore desseires IV p 330b 331 332 — Scgmentis peiigonn omnibus patulis oblongis, supremo erecto angustiore et longioro, hbcro, apice recurvo, laterdlibus latis basi obliquis dilatatis *m* saccum late produciis falcatis, cum gnosiemio connalis, exlus basi valde carmatis, inius idenco canniculatis, intcinis lanceolaiis erectis acutis, omnibus ad basin tenuissime papillosis, labello parvo obsolete tulobo oblongo canaliculato, lobis lolundalis minimis, mediano produclioie, obtuso, disco 6—7 - lamell Uo, gynoslcmio semicylmdnco labellum subaequante pseudobulbis cjlindncif, subattenuatis sluato - costatis, folns 1—2 lanceolatis plicalis subacuminatis — Guatemala
- 2 M LEPTO SEP ALA Hook Bot Magaz lab 4434 f — Pseudobulbis ovato - rotundatis ancipiti-compressis unifolialis, folio late lanceolato conacco, obluso, inferne angustalo, scipis ladicalibus folio tnplo brevionbus vaginatis, scpalis petalisque (brevionbus) pntenussimis. anguslc lanceolatis acuminalis, margine revolutis, labello obovato-oblongo 3-lobo, lobis laleralibus oblusis, mteimedio maximo revolulo obtuso, maigimbus doninto-flinbuati6, disco pulvmaio hirsute* — Habitat in IN ova Gianada

Sect. XYLOBWM

- 3 M HYACINTHINA Hclibch fil Linnaea XXII p 855 f - Pseudobulbis oblongis dipbyllis, folns oblongis acutis, in peliolum cuneatis, pedunculis 3—4-taginatis (vaginis amphis aculis), apice lacemosis, biacleis lineanbus, apice subulaus, llonbus basi in mentum acutum productis, pengomi pbjllis exterms oblongis, acutis, subaequa-Jibus, perigonu phjllis lateralibus inleiius paulo lationbus, labello apice tnlobo, margimbus inicrlobul uibus inllexis, lobis laleralibus oblu&is, medio obtuse letuso — Habiial ad flumen Cliama in Mcuda

f loon addenda.

M ALICLLAIUS Lindl - Hook Dot Mag tab 4374

1407/ia IiYCASTE *Lindl*

(Dot Reg 1843 XXIX p 14)

- i L CHRYSOPTLIU Morr Ann de la soc d agnc de Gand V 7 i tab. 232 — Pseudo^rbulbis ovatis compressis costatis, monophillis, folns sesquipedalibus et ultra, late lan^rceolalis plicatis, utnnque attenuatis, apice acutis, scapo radicali unifloro pedali, bra^rctca i ilore lemota, berimed cucullata acuia, ovauilongitudine, pengonu foliolis ex^ricuonbus patentibus plani^r, Luc ovato-oblongis, ncuus, basi inlus pilosis, foliolis inte^rtionhus bievionbub creels, column a tnplo longionbus, oblongis, anguslionbus, basi^r maculntis, labello bievioie inaculalo oblongo conca^ro, apice lulobo, loins reflex^r, lacinia iuueimedia lanceolala, plicalo-undulala, maiginc ciispo, lobib lalcialibus ab^ruj^r

tis incrassatis, appendice transversa, plana triloba, carnosae; columna villosa; anthera glabra. — Mexico.

2. L. LEUCANTHA Kltzsch. in Lindl. Or Paxt. Flow. gard. II. p. 37. — *Maxillaria (Lycaete) leucantha* Kltzsch. in Otto & Dietr. Allgem. Gartenzeitung. XVIII. 402. f — Isthmiceis dislanibus, membranaceis, striatis, aridis, fusciscentibus, cucullatis, aculis, supremo ovarii longitudine; perigonii foliolis exterioribus oblongis, palentibus, versus apicem recurvis, pallide flavo-virescentibus, interioribus candidis, in tubum imbricalo-conniventibus, apice recurvis; labello petalis brevioribus albidis, trilobis, laciniis lateralibus rotundatis, intermedia oblonga obtusa subrecurva, supra hirsuta, margine obsolete - dentata, appendice linguaeformi concava adnata inter lacinas laterales. — In Guatemala.

f Iones addendae.

- L. MACROPHYLLA Lindl. — Morren, Ann. de la soc. d'agric. de Gand IV. 373. lab. 221.
I. SKINNERI Lindl. — Hook. Bot. Mag. lab. 4445. — Van Houtte, Flore des serres IV. 303.304. — Morren, Ann. de la soc. d'agric. de Gand V. 215. lab. 261.
I*. TETRAGONA Lindl. — Rchb. Hb. Orchid. Eur. tab. 3/fig. 8-12. }

1407Ab. PAPHIOTIS & LINDL.

(Bot. Reg. XXIX. 1843. p. 14.)

1. P. GRISTATA Lindl. — Van Houtte, Flore des serres IV. tab. 335.

1407/3. WARRBA Lindl.

(Lindl. Bot. Reg. XXIX. 1843. p. 14. — Rchb. fl. in Wiprs. Ann. I. 782.)

1. W. CANDIDA Lindl. in Paxt. Flow. gard. I. p. 32. no. 58. fig. 22. — Foliis late ovatis, apice recurvis; floribus 2—3; sepalis petalisque ovalibus acutissimis; labello subquadrato, apice angustiore retuso, basi saccato angulato inflexo carnosissimo, dente trifido tridentato in medio et altero simplici acuminato, utrinque plicisque 3 parvis in faciem superiorem. — *Huntleya Candida* Honor. — Habitat in Brasiliae provincia Bahia.

1407/4Q. ERIOPSIS Lindl.

(Lindl. Bot. Reg. 1847. tab. 9. adn. — Rchb. fl. in Wiprs. Ann. I. p. 782.)

- * E. BILOBA Lindl. (*E. rudibulbon* Hook. Bot. Magaz. tab. 4437. +) — Caule (pseudobulbo) oblongo-ovato, tereti, rugoso, foliis 2 striatis; scapo radicali; racemomultifloro, nutante; sepalis petalisque oblongis; labelli hirsutuli striati lobis lateralibus majoribus, intermedio minimo subintegro. — Morren, Ann. de la soc. d'agr. de Gand V. 171. tab. 252. — Habitat in Nova Granada.

1407/4b. PSISUPIOPSIS Rchbch. fit.

(Reichenbach fl. in Linnaea XXII. pag. 852.)

Perigonium explanatum subregulare, mento minuto. Phylla externa oblonga obtusa, margine nunc aliquid undulata, interna lateralibus baequalia, paulo minora. Labellum anticum, cum pede gyno-

stemii producto ima basi articulatum, ellipticum, transversum, Inlobura, Jobis latciabus magnis, semiovatis, undulatis, irtedio parvo, utplunnum pioducto quadrato, anlice retuso, cmarginalo, nunc acuto, labello turn unilobo, labelli nervus medius laevis, paria lateralia 3 proxima (nunc 2 lantum) mcidio lamelliqera, lamellis tuangulanbus. Gynostemium semilercs cla\atum, angulis lateralibus infenus alalum, incur\um Andio-clinium nudum, postice obtuse pioductum, angulis anticis biacbiatum (*Dolbophylli* more), brachns obtusis, se imictm tangcrilibus, lostellum tegentibus Rostellum lelusum, medio unidentalum Stigma nunc o\atum, nunc obtuse rhomboideum. Antheia ovata, uniloculans, medio nunc aliquid impressa Pollinia duo, pdstice biloba, lobis posticis multo rminoribus, caudicula brevis laminaefoimis, glandula ovalis.

1 * PS SCHOMBURGKH Rchbcli 01 1 c p 853 f — Habital fn Guiana Bntannica

1407/4c. CAIFIARIJDIIJM *Lmdl*

(Lindi Bot Reg X 1824 844 - Oich Lind)

- 1 C LAJSntOLIUM Rojttt fl. Linnaea XXII p 857 — Gaule simpliu, Coins disuchis, basi \a_ninnntil>us, linwa-lanceolaiis, acummalis, pcigameneis, flonbus axillanbus solitarns, pmgonn phyllis 5 lanceolalis acults, labello bie\iter unguiculato, callo magno obtuso a basi ad medium — Habitat in Venezuela
- 2 C GRAMIMFOLIUM Rchbch fl. 1 c p 857 — Gaule simplici, nunc ramoso, a piacodente diveisum labello oblongo, nunc acuto, nunc obtuso, ccnlioso — *Isochihis giamimfolms* II B Kolh — Habitat in Popajon

1412. BATEMAHnVIA *Lmdl.*

(Lindl Dot Reg 1714)

- 1 *R (GALCOTTIA *Lmdl* ft Paxt Flow gard I. p 12 no 11) DEAUMONTII Rchbcli fil mss — Pseudobulbis oblongis diphyllis, folus linean-oblongis, avenns, pedunculo radical! eiecto, bjfloro flonbus liaud resupmatis, labelli tnlobi lacinia intermedia linean apicc deflexa subulala, lateralibus truncate* margine antenore setacoolaccis, supm epjclulium conunuis — Habitat *m* Biasilia

1413. 8€AP]B¥GIiOTTIS *Popp. sr Endl*

(Popp fit Cndl Nov gen et spec t 97 98)

- 1 S TAFALLAC Rchbch fil Linnaea XXII p 855 — Gaule vagmato, vaginis oblongis acutis, pseudobulbis ovalibus in articulorum npicibus, fultisanovis ramis, axillaubus m vaginis folus binis, oblongis acutis, flonbus aggregatis, pedunculis bracteis longionbus, perigonn phjllis evteinis oblongis acutis, pengonn phyllis lateialibus mternis angustionbus cuneatis, labello ungmculato*, ungue canaliculate*, apice bilobo, interjecto callo elevato, laminae a men on s oblusc trilobao margine subdenticulatac basin transgrediente — Habitat in Peiu prope Ghicoploya
- 2 S LEUCANTHA Rchbch fil 1 c p 856 - Gaulibiis laxis, teretibus (?), articulatis, in articulorum apicibus foliosis, folus oblongu>, apice basique attenuutis, apice macqualiter bilobis, flonbus aggregalis, pengonn phyllis exterms oblongis, in apice aculi*. peugonu phylhs lateralibus internis ligulatis, basi cuneatis, labcllo a basi longecuneflW

in laminam rotundam dilatato, basi lobulato, danalculato; gynostemio clavato. — Habitat in Merida.

3. * SC. RUBERRIMA Lindl.

(*J. aurea* Rchbch. fl. 1. c. p. 856. — Caulibus fusiformibus squamatis; folia 2—3 in articularum apicibus, lineari-lanceolatis, emarginatis; pedunculis bractea acuminans longioribus; perigonii phyllis 5 ovatis acutis; labello oblongo, margine multilobulato, lobis lateralibus erectis; callis 2 carnosus in disco. — Crescit in sylvis montosis Columbiae.

1418. CYCHTOCHKS Lindl.

(LO. p. 154. - Rchb. fl. in Wlprs. Ann. I. 782.)

1. 0. PESCATOREI Lindl. ft Paxt. Flower gard. I. p. 123. no. 174. — Foliis coriaceis, subius glaucis; racemo multifloro pendulo; ovario tomentoso; sepalis oblongis acutis; petalis minoribus lanceolatis basi angustatis; labello trilobo, medio tomentoso, lobo intermedio carnosiore acuto. — *ACineth flawa* >||^feñ. — Habitat in Nova Granada.

f l o o n a d d e a t a .

- G. VENTRICOSUM Balem. — Morren, Ann. de la ifctf d'agrifon? de Gand IV. 127. t. 187.

1420. CATASETUM L C. Rich.

(LO. p. 156. — Rchb. fl. in Wlprs. Ann. I. 782.)

§. 1. Catasetum.

- * " C. LURIDUM Lindl. - Rchbch. fl. Orch. Eur. t. 3. 21—31.

§. 2. Monachanthu*.

- * G. WARCZEWITZII Lindl. ft Paxt. Plow, gard. 1. pag. 4ft. rio. 74. fig. 29. — Racemia brevibus densis pendulis; sepalis petalisque subrotundo-ovatis patulis incurvis; la-
Lelli galea antica basi compressa, apice ventricosa, lobis membranaceis planis,
interalibus parvis serratis, inlet-medio bilobis, laciniis divaricatis flmbrifais;* columna
mutica. — *Warczewitzia* Skinner rass. — Habitat in Panama.

§. 3. My an thus.

- ³. 'C. FIMBRIATUM Lindl. ft Paxt. Flow. gard. I. p. 124. fig. 84. - *Myanthus(imbriatus* Morren, Ann. de la soc. d'hortic. de Gand I. tab. 23.

1420. MOWLMOWBSr Lindl.

(Lindl. Nat. Syst. of B. K. 446. - Bot. Reg. XXII. t. 1861.)

- * M. LENTIGINOSA Hook. Bot. Mag. tab. 4455. f — Pseudobulbis oblongis; folia lanceolatis siliatis; scapo radicali racemoso; floribus remotis pendulis punctis rufo-fus-

cis irroratis, sepalis arcie reflexit oblongis acutis, marginibus involuti<, petalis conformibus, hbelli obovali lalculus levolutis, columna oblique torta apice acuminata — Habitat in America centrali

1421. *STASUIOPÆA* Hook

(LO p 157 - Rehb fil in Wlprs Ann V 783)

- 1 * ST CIRRATA Lindl - Lmdl ft Paxt Flow gard I p 31 f 19
- 2 * ST LCORNUTA Lomano — Lmdl ft Paxt I c llg 20
- 3 ' ST OCULATA Lndl - Rchb fil Orch Eur t 3 13-20
- 4 ' ST TRIGORNIS Lmdl — Lindl ft Paxt Flow gard I c fig 21

1422. *CLOSrCtORA* Rz. Pav.

(LO p. 158 - Rchb fil in Wlprs Ann T 783)

- 1 G DONCKELAARIAN¹⁷ymaire in Van Houtte, Floie des serres IV p 336 h — Sepalis latenlibus rudim¹⁷SB¹⁷thrus cum gynostemio connatis mangularibus supremo ovato-dilailo fornicato apiculatun revoluto, peialis subrtiomboideis htissimis maiginerevo-¹⁷Ju¹⁷*. labello brevitci iingun iilato dorso rotundtto insectum quoddam in se teplicato-loniiocum simulante, basi aniica tuberculato, hypochilio nnlice rolundaLim ipiio cavo ibtupte dein ipplicatis margimbus cluso, cornubus acuto crassis ipplicalis in setas tenues eiertis desmentibus, epichilio ovato bre\i canaliculato, apiculadrn iecurvo, gynosiemio apice rotundatim inflatn, lostello 4-cornulo, comubus inferioribus subelongalis lenuibus — Pseudobulbis folnsque *Aciojjeiae* — Habital

f Icon addenda.

G TRUNCATA Lndl — Morron, Ann de la soc d agnc de Gand IV ^53 t 205

1423. *CORYAHTTHES* Hook.

(LO p 159 — Rchb fil in Wlprs Ann I 783)

- 1 C FIELDINGH Lindl Joinn of the horiic soc HI 15 c ic — Van Houite, Floie des senes IV p 358b adn ft tab 364 365 — Hypochilio stipitalo convexo subcompresso calvo, basi tomenoso, mesochilio plicato et veirucoso, epichilio galeato subquadraio rotundato, lobis latenlibus uncinatis, intermedio truncalo erecto — In America tiopjca?

1425. *ACIHTKTA* Lindl.

(Lndl Bot Reg XXIX 1843 misc 100 — Rchb fil in Wlprs Ann I 784)

- 1 A DLNSA Lndl ft Paxton Flow gard I p 91 no 137 fig 63 — Ricemo oblongo denso nigro - fin funceo, bracieis ovano duplo breMonbus, labfli hvpoehilio concavo, mtus vèrsus apicem denie obiuo tomentoso aucto, metachiln lobis laterahbus truncachs, basi angu¹⁷tioribus, appondice plana ovata subtridematn, unguis posticis sinualiSi epichilio lmeari - oblongo basi verrucoso, columna dorso tomentosa — Habitat prop⁶ Tunalba (Costa Rica)

- 2 A CIMYSANTHA Lindl a Paxlon Flow gard I pag 31 — Racerao erecto polyantho, cornu pimplato obliquo in hypothilio — Flores aurei, Inbellum album, gynostemium pimplatum — Hue NEIPPERGIA Morren, Annal de la HOC dagric de Gand V 375 tab 282 — Perigon subglobosi semiclausi foliola exteriora Jasi connata, lateralibus labello supposita, interiora libera conformia, columna supposita Labello columnae subcontinuum, denique aculeo basi columnae concreto interjecto, eiccium, alis columnarum amplectentibus mediae articulatam, epichilio trilobato, lobis lateralibus alaribus, disco pulvinalo quadrato, utrinque truncato, lobo medio formato, hypochilio unicorni Columna erecta «emittere» basi undulata, TIX dilatata Ambon bilucuhns obliqua depressa Pollinia duo, margine exteriore fissa, glandula maxima, pollinibus rotundis, rostellis maximis bidentatis continuis — » GHRYSANTHA Morr 1 c 1 282 — Pseudobulbo ovali, ovis gallinaceis magnitudine, sinato, folia 3—5 geminata pedalis, 4 pollinibus lanceolatis acuminatis Scapo semipedalis radicali erecto rutilo, bracteis siliosis (rubellis), pedicello (non ovato) aequalibus Flonibus rectis aureis semiglobosis, labello alido, columna pimplata Labello cum columna subcontinuo, non articulato, (dente unico aculeo, basi columnae concreto interposito), tunc epichilio trilobato, lobis lateralibus majoribus alaribus, disco pulvinalo quadrato, utrinque truncato, lobo medio minoris fornicato, hypochilio unicorni, cornu reflexo obtuso papilloso Columna dorso et ventre pilosa, alis **minimis**, operculo depresso-obliquo, rostellis maxime bidentatis (purpureo) — Mexicci

f Icon addenda

- A DARKLRI Lndl — M^{ra} de Genève XI tab 1 fig 12. — Paxlon, Magaz of bot XIV. 145 c ic

1427 CYJHBIBIUIII Sw

(LO p 161 — Rchb fil in Wlprs Ann I 784)

- 1 C (MAXILARIA G Rchbcb HI in v Mobil ft • bchl Dot Ztng 1845 pag 334) GORINGII Rchbcb Ql mss — Folius eiformibus, pedunculo oreo, unibifloro vaginis ventrosius icummalis vesiculis, sepals petalisque bivevibus lanceolatis acuminatis basi attenuatis, Inbello cucullato, trilobato, lobis lateralibus interdentatis obtusis, lobo medio porrecto oblongo subacuminato geminalim reflexo, labello n basi usque ad flexuram lobi medii Uneis duabus obliquis cnsolato — Pedunculus 7 , phylla pengonu ceteina 1/2 longn, medio 4 laia, interiora teiia pane breviora, externis aequalibus Gynostemium scimiteres, antrorsum flexum Anthera pice reniformis, apice tumore inanulo donata Pollinia quaterna glandulae parvnt insidinali
„Obs Specimen adeo compressum, ut cupiam descriptionem in Herbario comparandum cum specimenibus melionibus u Simul alque melioia obinui in specimenibus, ostenplo vidi, ease **Cymbidium**

f Icon addenda.

- C **LBURNEUM** Lndl - Paxlon, Mag of bot X\ 145

1427/a MYACMTTMOBCHIIS Blume

(Blume, Mus bot Lugd Bat p 48)

- Pengonu subtonniventis phylla libera subaequalia Labello gynostemio parallelum cymbiforme, basi saccata et ima comutum, limbo

trifido, ad basin intus appendice carnosa. Gynostemium elongatum clavatum erectum subtortuosum. Anthera terminalis intrainarginalis, bivalvis. Pollinia 4 piano-convexa, per paria filis elasticis caudicula magna triangulari annexa. — Herb a terrestris tuberosa, in Japonia obvia: folio hysteranthio solitario nervoso; scapo radicali yaginato; floribus racemosis cernuis, pallide purpurascensibus vel albidis. — Genus *Geodoro* Jackson et raagis etiam *Cremastrae* Lindl. affine; sed a *Geodoro* satis diversum gynostemio elongato; a *Cremastra* tantummodo labello ad basin saccato gynostemio inferne adnato.

1. H. VARIABILIS Blum. I. c. p. 48. no. 121. fig. XVI. — Blum. Cent. Plant, nov. (1829.) — Nomine *Epidendri striali* Thunb. et *Serapiae longifoliae* e Japonia in hortum botanicum Buitenzorgii importata. — Tubera aubglobosa vel ovoidea, carnosa, annulata, vaginis scariosis velata, e basi fibres aliquot radicales, et e vertice scapum 1— $\frac{1}{2}$ -ped. erectum teretem vaginatum superne striatum profert. Folia post efflorescentiam in luberibus collateralibus solitaria, 5—11-poll., $\frac{1}{2}$ —2 poll, lata, lanceolata, acuminata, basi in peliolum vaginatum angustata, trinervia, striata, membranacea, glabra. Vaginae scapi 2 vel 3, $\frac{1}{2}$ —2-pollicares, lubulosae, arclae, ore oblique truncatae, membranaceae, cito inarcescentes, tandem deciduae. Flores in racemo laxo terminali dispositi, pollicares, cernui, bracteati, bracteis linearibus acuminatissimis patentibus membranaceis — In Japonia.

1427/., CYPERORCHIS *Blume.*

(Blume, Mus. bot. Lugd. Batav. p. 48.)

Perigonii conniventis phylla exteriora et interiora subaequalia. Labellum sessile, gynostemio parallelum, cunealum, canaliculatum, apice breviter trilobum. Gynostemium elongatum, clavatum, semiteres. Anthera terminalis, bilocularis. Pollinia gemina pyriformia, postice sinu longitudinali excisa, basi a se invicem discreta, caudiculae laminiformi transverse ovali medio affixae. — Herba Nepalensis, epiphyta acaulis, bulbis: foliis distichis vaginantibus lobiformibus, striato-nervosis; scapo radicali densifloro; floribus speciosis luteis.

1. * G. ELEGANS Blume in Rumphia IV. 47. annot. sub *Grammatnphyllo*. — Blume I. c. p. 48. no. 120. — *Limodorum cypei* Hoffm. in Icon. Bauer. — *Cymbidium elegans* Lindl. in Wall. Gat. no. 7354. — Ejusd. Gen. and spec. Orch. p. 163. 9. — Ejusd. Sen. Orch. tab. XIV. — In sylvis Nepalensibus.

1427/4. IiUISIA *Gaudich.*

(Gaudich. Voy. Uran. Physic, t. 37. — Blume, Mus. bot. Lugd. Batav. p. 63.)

Perigonii subringentis phylla libera vel exteriora basi brevissime connata subaequalia vel interiora saepius longiora. Labellum sessile* ecalcaratum, carnosum, basi concava calloso-interruptum vel biauriculatum, limbo patente, indiviso vel apice sublobato. Gynostemium breve crassum, curvaturn, ovario continuum, rostello brevissimo integerrimo. Anthera terminalis bilocularis. Pollinia duo, subglobosa, postice foveata vel sulco exarata, caudiculae planae rotundatae vel cuneatae basi dilatatae insidentia. — Herbae in Asia, turn intra turn extra tropicos

et in insulis Oceani arctici obviae, epiphytae caulescentes: caulibus teretibus simplicibus vel subramosis, foliorum vaginis arete tubulosis oblectis; foliis alternis carnosissimis, teretibus, elongatis; spicis oppositifoliis lateralibusve brevibus, paucifloris vel multifloris; floribus parvis vel medio-crebris flavo-viridibus; labello atropurpureo. — Genus admodum naturale, labelli conformatione et polliniorum apparatu tam a *Vanda* R. Dr., quam a *Cymbidium* Sw. satis diversum, habitu quoque utriusque generi dissimili.

1. L. TERETIFOLIA Gaudich. — *Blume* 1. c. p. 63. n. 164. — Spicis multifloris; perigonii phyllis exterioribus oblongo-ovalibus acutis, interioribus paulo longioribus, linearibus, obtusis; labelli interrupti limbo subcordato-ovato obtuso medio calloso. — Gaudich. in *Freycin. Voyng. bot.* p. 42. t. I. 37. — *Blume, Rumphia* IV. p. 50. 1. tab. 194. fig. 3. et lab. 197. D. — *Cymbidium triste* Willd. *Spec. pi.* IV. 1. p. 99. 23. — *Lindl. Orch.* p. 167. 26. (ex parte!) — *Epidendrum triste* Forst. *Prodr. florul. insul. nustr.* p. 60. no. 314. — *Angraecum decimum* et *angustifolium* Rumph, *Herb. Amb.* p. 104. — In *Moluccis, Balfarianis, Nova Caledonia.*
2. L. TERES *Blume* I. cit. no. 170. — Spicis paucifloris; perigonii phyllis linearibus oblongis obtusis, exterioribus lateralibus angustioribus carinatis, dorsali et interioribus subaequalibus; labelli biauriculati limbo oblongo sulcato, apice bifido mucronato-intermedio. — *Blume, Rumphia* IV. p. 90. — *Epidendrum tern* Thunb. *Flor. Jap.* p. 30. et *Ej. Ic. plant. Jap. Decas* 1. (mediocris!) — *Cymbidium triste* (auct. Willd.!) *Lndl.* 1. c. p. 167. 26. (ex parte). — In *Japonia.*
3. L. BIRGHEA *Blume* I. c. no. 170. — Spicis paucifloris; perigonii phyllis linearibus obtusis, interioribus longioribus; labelli subbiauriculati limbo anguste elongato, canaliculato, apice bilobo. — *Blume, Rumphia* IV. p. 50. — *Birchea teretifolia* A. Rich, in *Ann. sc. nat.* (1841) p. 67. tab. 10. — In vallibus calidioribus circa *Avalenchy montium Nilgherries Indiae orientalis.*
4. L. TRIGHORRHIZA *Blume* 1. c. p. 63. n. 165. — Spicis multifloris; perigonii phyllis linearibus lanceolatis obtusiusculis, interioribus paulo longioribus conformibus; labelli interrupti limbo subcordato-ovato retuso obsolete trilobo. — *Blume, Rumphia* IV. p. 50. — *Cymbidium triste* (auct. Willd.) *Lindl. I. c.* (ex parte I) — *Vanda? trichonhiza* Hook. *Ex. JI.* tab. 72. — In montanis *Napaliae.*
5. L. BRACHYSTACHYS *Blume* 1. c. no. 166. — Spicis paucifloris; perigonii phyllis linearibus exterioribus angustioribus lanceolatis carinatis, dorsali et interioribus ovalibus subaequalibus; labelli biauriculati limbo rotundato medio calloso. — *Blume, Rumphia* IV. p. 50. — *Mesoclastes brachystachys* *Lndl. Orch.* 45. 2. — Flores parvi, flvidi, labello phyllis perigonii paulo majori, carnosissimo, imo concavo, superne explanato, rotundato, purpureo. — In *India orientali, Java, Borneo etc.*
6. L. UNI FLORA *Blume* I. c. no. 167. — Floribus solitariis (an semper?); perigonii phyllis subaequalibus, exterioribus lateralibus carinatis; labelli interrupti limbo subcordato-ovato, medio calloso. — *Blume, Rumphia* IV. p. 50. — *Mesoclastes uniflora* *Lndl. I. c.* * — An a *L. teretifolia* satis distincta? — In *Gossain Than Bengaliae.*
7. L. ANTENNIFERA *Blume* 1. c. no. 168. — Spicis multifloris; perigonii phyllis linearibus oblongis, lateralibus margine reflexis, dorsali cucullato, interioribus angustissimis longis apice subincrassatis; labelli biauriculati limbo ovato obtuso ad callosum apicem margine revolutum. — *Blume, Rumphia* IV. 50. — In arboribus circa *Martapura insulae Borneo.*
8. L. TENUIFOLIA *Blume* I. c. no. 169. — Spicis paucifloris; perigonii phyllis linearibus obtusis, exterioribus sub apice mucronatis, interioribus longioribus; labelli biauriculati limbo oblongo, apice bilobo, medio calloso. — *Blume, Rumphia* IV. p. 50. — In *Moluccis.*

- dium tnmfolium* Willtl Spec phnt IV p 103 39 — I mdl Gen el sp Oich 167 25
 — *rpulendiurn tenuifohum* L Sp 1348 — 7<ieiu-man-matavaia Rhecd Horl Mai
 XII p 11 tab 5 — In Main I) JIM, /tyhnn etc
 9 'L ALPINA Lmdl — Blum*¹, Rumphia IV 50 — Valdt nobis suipecta el ad almdl
 genus referenda videlui

1429 %CROPER% *Lmdl*

(LO 172 - Rchb «l m Wlpis Ann I 785)

- i A ARMI NIAfA lmdl ft I'oxi Flow gild I 94 fig bfi — Hdtemo Id\o uiullilloto
 sepalis apiculais, lak< milling obliquis apue ioluuditi>, ptiilifr liben>, column i duplo
 brovionbus, labello cnleato cirnoso, apite libeio ovalo piano ntuiumalo, jnliu> pono
 basin LiisR mberculaia aucto — Nicaragua*

1431. *GKAJftraVTOPHYIiliOI Blume*(LO 173 excludenda *Dromheadia* — Blumo, Mus bot I ugd Bat 47, Rumphia IV p 47)

Pengonu explanati patentis phylla exlcnora et intenoia subaequidia
 1 dbelium basi gibbae gynostemni elasticè affixum, cucullatum, tnlobuin.
 GynoMemnim arcuato-ascendens, semiteres, ad basin in gibbu excava-
 tum protuberans Anther* terminalis, incomplete bilocularis Pollinia
 duo f. lobo n poshce sulco exsculpta, cmnbu⁶ caudiculae pldnae crepi-
 foinus diintxa — Ilubae A<?æ tiopicae, epiphyllae \el lupcstres, cau-
 caulescens canibus sunplicibus incrassatis, loins lineanbnb vcl k<nceo-
 latis dishchis slnatis, ^capis ladiculibus, elon^ralis multilons, ilonbus
 speciosis, vulfco ^d^le marulji*» A *Lymbidto* penus hoc gnostemio
 anlice in gibber excavatum pionunenU et peculiarJ polliruoium ad e\-
 tieimtalcs caudiculae tnpiloinus inscidunc satis dislingmtur

- 1 GR SCniPTUM Dlumni I r p 11H el l(uni| Inn IV 48 _ loin? lanrrolniH, scupo
longiasimo nutanto niuliilloro pengonu phyllis spiliulais oblongis obtusis, mterion
 bus pnulo angnsliotibut Inb*⁶li lobis obtu^iisimis, intennodio pntonio, rotundnto, con-
 caviusculo — Blumt fenl PI no\ — (*ramni sptciosum (baud Blum) Lmdl Gen
 und spe< Oicb p 17J I (oxptiK') — *I,ulmtut scnyla* fiiudali iti Fio\cm Vo> Pdi.
 hot I 42^ — \ amla smpta S>r S>st \cg III 719 (*i/mbidnim stiipulum* Sw in Scbrad
 Dial 218 — *LpidniUum suii>lum* L Sp pi 1351 — \nyiuLium ^cupturn Rumph Herb
 Amb VI 95 i 42 — llab in Molucca, ubi quicidim liuju^ sptciis mvemuniur vaue-
 titcs A jipqudHi vnlr*⁶ dflWi canlibus mnjfis bulhoso - inuassnds, numerum longo
 majorem foliorum hiiorum proferonlibys, atque flonbus mmoiibus labellique lobo
 inlcimedio magis roiundito aui letuso concivmsiulo — Or *mullifloium* Lmdl Bol
 Reg 1838 in Misc not p 46 no 80 el (1839) lab 65 cum var *tignnu* I c 1842 tab
 69 ab hoc vix diversum
- 2 GR &PECIOSUM Blume 1 c no 117 ft Rumphia IV p 470 tab 191 — Folus elon-
 gato-lineaubus, ^capo longissimo, recto multilloio, pcrigonn pb>lli& ovah-oblongis
 obiusissimis, inicuoribus paulo laionbus, labdli lobis obiusis, intermedio patente
 subveliilmo — filum Uijdr Floi iScd Ind p 378 fig XX — Lmdl Gen and spec
 Orch p 173 I (ex pnrlc') — Dlume, Rumphia IV 47 f tab 191 — In Archipelago
 Indico el m Pulo Diudin^ Cuchmchinat

t loon addenda.

1439. *CYPripSO Salisb.*

(LO 179)

i "C RUBOSA Rchbch (II Oich Cui p 158 tab 137 — *Cypripedmm bulbomm* L. Sp pi 945 — *Calypio boieahs* salisb et Hook Pnrad Lond 89

1440 *EUIiOPHI% (n. Br) Ltncl.*

(LO 180 - Rchh, fil in Wlprs Ann I 785)

1 EU ARUNDINAE Rchb (II Linnaei XXII p 854 — Racemo paucifloro (—5), bracteis lanceolatis, acummntis, jignlis (—1'')) ovauis pedicellatis brevionbus, pengonii phyllis •3 oblongis acuii-», basi subcuneatis, pengonii pliyllis lateralibus interni9 subaequalibus liipvioiibu«, labello ambitu piopo qundrnto, basi quidem subcunealo mutieo tnlobo, lobis latenlibus venosis, apice libero acuiis, medio prope ova to, news cnstigeiis, cnstulis fnlcatis, liners 2 elevatis a basi labelh medio in callos 2 elevatos, apice conjuncios txcuirentibus, gynostemio somitereti clavato, poslice-ucuto. —Habitat in piovincia Biasihae Minas Gerofis

2 bU ABYSSINIGA Rchb fil I c p ttf6 — Foliid geminis* oblongis, acutis, basi petiolaiim runentis, podunrulo valido vagmno, vaguus a pice If bdro lanceolatis, acutis, spica plunflorn densa, bncteis lanceolate acuiis, ovarns mine longionbus, alabaslra exce¹-denlibus, pengonii phyllis extcmis subaequalibus, ellipticls, acutis, pengonii phjllis lateralibus inurnis mine brevioribns, labello ima basi coinulo tnlobo, lobis lalernlibus srmiovtlis, medio producto oblongo, apice apiculnto, lamellis quatuoi longitudinalibus a labelh basi ad medium, gynostemio bieivissimo poslice apiculalo — Abyssinia — Eindem plantam forsan mucoic Ihvo deceptus pro novo geneie inter Cephalantheiim ('Mi) ac Limodorum ('!!) iitomicidio (I'M) habuit floclstett Genus autern accepu cl A Richard, apud quern hacc legis ORTHOCIULUS ADYSSINICUS Hochst mis ex Richnid, *Font Dor Abjssin* II 234 tali 32 — Caudice tuberculnio carnoso horizontali caule bipedali et ulna, vaginis lazis oblongis acuiis vestito, (bins radicalibus juxia caulem flonfeium saepms bims, vaginis inferno approximate elliptico - lanceolatis acutis, basi angusiatis el in petiolum longum deaientibus, subius neivosl glabns, flonbus luteis sat magms pedunculatis racemum simplicem lermmalem mulliflorum effoi mantibus, bricteis lanceoluiis, acullsstmls, erectis ovarium cum pedicello subaequaritibus, sepalis extei inribus erectis, ovali-oblongis, acutis subaequalibus, internis subsimilibus acuiis, vix brevionbus, lnbello basi unguiculaio el cum bnsi producua gynosiemn conlinuo, ungue in calcai breve subrecurvum obiusum desinente, lamina semicanaliculala tnloba, lobis lalcialibus oblusis, terminaliacuta, gynostemio elongato, versus partem supenorem subclavaio, operculo anuce uuncato, pollmiis 2 ovoideis, poslice suJcatis in caudicula? commum angusia, apice retinaculifera sins. — Habitat in Ab^ssiniae montosis prov Chire

1442 *OAIi3EAHTB»4 Lindl.*

(LO p 186 — Rchb (II in Wlprs Ann I. 786)

1 G PETLRSH Rchbch (II in Lmnaea XX pag 679 ft in Walpers, Annal I pag. 786. no I 4 bova uddantur synonyma Vidi plantam illam Vandeam, quae nomine *Epidendn Schtmpett* Hochst. est praediia, in Jierbano ipsius cl Sleudel! — Haec °utem habet cl A. Richard CULOPHIA SGHIMPhRIANA A. Richaid, Tent (lor.

Abyss II 283. f — Pseudobulbis ovoideo-oblongis, transversim cinctibus annulatis, apice monophyllis, folio longissimo# pedali crasso carnosoplicato, dorso caninato, unam unciam lato, margine eroso-dentato, scapo radicali 3—4-pedali ei ultra, basi simplici paniculato-ramoso, ramis oblongatis virgatis distantifloris, floribus pedunculatis basi bracteatis, bractea ovata-lanceolata acutissima, pedicello cum ovario dimidio brevior, sepalis lanceolatis acutissimis cum petalis paulo latioribus ascendentibus secundis, labello concavo, semicanaliculato, oblongo, brevissime calcarato (calcar obtuso) cum basi gynostemii producta continuo, in parte centrali secundum longitudinem tincto, lateraliter venoso, apice lobulo ovali multo angustioribus, gynostemio elongato apice subclavato, operculo postice bicornuto, pollinibus transverse ovoideis, caudicula brevi et retinaculo transversali, utrinque acuto suffraginis — *Expendendi* urn Schimper Hochsl. PI Schirap Abyss sect III no 1592 — Habitat in Abyssinia

- 2 G. QUARTINIANA Reichenbach fil. mss. — Sensus Lindleyano huc pertinet EULOPHIA QUARTINIANA A. Rich. 1 c p 284 tab 81 — Radice lignosa, foliis ellipticis, scapo apophyllo tereti bipedali squamato, squamis distantibus, inferionibus vaginantibus elliptico-lanceolatis acutis, supremis sessilibus lanceolatis, floribus purpureis breviter pedunculatis, basi bracteatis racemum simplicem distantiflorum efformantibus, sepalis petalisque approximatis ascendentibus lanceolatis acutis, interms (petalis) vix lateralibus, labello longiore elliptico obtuso, margine undulato, versus basin hinc et illinc lobulo obtuso aucto, basi calcarato, calcar infundibuliformi aperto, labellum aequante, gynostemio brevi, apice margineque alato, ala obtuse triloba, lobis obtusis undulatis, operculo conveio, hinc et illinc appendice coroniformi angusta recurva aucto — Habitat in Abyssiniae regno Tigre prope Mai-goua-goua
- 3 G. BEYRICHH Reichenbach fil. Linnaea XXII p 854 — Racemo plunifloro (9-11), bracteis lanceolatis acutis, pedicellis tortis, pengomi phyllis subaequalibus, pengomi phyllis externis lanceolatis acutis, pengomi phyllis lateralibus interms ligulatis acutis, labello subquadrato saccato, postice in calcar comcum obtusum descendente, margine anteriore nunc trilobulato (lobulis obtusis, nunc prope retuso, margibus lateralibus rectis, omni margine denticulato, denticulis rectis, cinctis 4 in labelli basi erectis apice undulatis inter nervos centrales evanescentibus, gynostemio brevi semitereti, margibus lateralibus membranaceis, androclimo anlice exciso, margibus lateralibus nudo, postice mombiana triangulari marginato, anthera apiculata — Habitat prope Neu-Freiburg in Brasilia

t loon addenda.

G. BAULRI Lindl. — Reichenbach fil. Orch. Eur. 3 45—51 - Paxt Mag. of bot. XIV 49 c. ic

1444. CYRTOPODIUM R. Br.

(LO 188)

- 1 C. BLANCHETII Reichenbach fil. Linnaea XXII p 852 — Racemo simplici, bracteis oblongis, acutis, undulatis, pengomi phyllis externis oblongis acutis, pengomi phyllis lateralibus interms ovatis subacutis, labello elongato, phyllis reliquis prope dimidio longiore, tripartito, basi ante genu gynostemii unguiculato, partionibus lateralibus cuneatis, margine externo rotundatis, cristis 5—7 elevatis carnosis denticulatis inter utrumque, labelli lobo medio oblongo, breviter cuneato, postice in cunctis terminalibus utrinque obtusangulo, nervis radiis in basi elevatis — Habitat in provincia Bahia Brasiliae

1456. *BURILIRCTOIFTIA* Lmdl.

(Lmdl. Bot. Reg. XXIII 1837 no 1927)

- 1 *B. PUBESCENS* Lmdl. & Paxt. Flow. Gard. I. p. 158 no 208 — Aculis folus coriaceis, nervis carinatis mucronatis, racemis densissimis pendulis labello obovato bilobato bicolori histato, laciniis erectis, constae lamellis utrinque 3 valde macqualibus, columnae basi pubescentis alis 2 minutis subulatis albis, 2 oblongo-hincobus porrectis — Habitat in Pernambuco

1460 *OUSTCIDIUM* Sw.

(L. O. p. 196 — Rehb. (fl. in Wlprs. Ann. I. p. 788)

I. Microchila. (Cyrtochlilum H. B. K. n. h.)

- 1 *O. SUPRMLNS* Ochb. fl. Lmnaei XXII pag 843 — Folus oblongo-lanceolatis icutis liti*, panicula maxima, bracteis cymbiformibus acutis, pedicello phyllo extenso ^upremis remfoimibus unguiculato, basi utrinque aunculato, lateralibus obtuse triangularibus longius unguiculatis, basi pantei aunculatis, pedicello phyllis lateralibus intemis .bilineislibus, sed brevius laevius unguiculatis undulatis, labello triangulari, brevissime unguiculato, basi utrinque obtusato, apice acuminate, callo anastomiformi anthero 3—5 - dentato in dno, dentibus 2 lateralibus in basi, gynostemio alis erectis retrorsura falcatis, androclinio postice unidentato — Habitat in Pamplona
- 2 *O. TRILINGUE* Lindl. ft. Paxt. Flow. Gard. I. p. 42 no 63 — Folus | racemo subvolubili, basi paniculato, flonibus mis, bracteis oblongis spathaccis, oculo quadruplet brevionibus, sepalis lateralibus unguiculatis, basi connatis lanceolatis undulatis elongatis, dorsali subrotundo-ovato crispo, ungue aunculato columnae longitudinali, petalis lanceolatis revolutis valde cuspidatis, labelli purpuraceo albis cuspibus revolutis aunculis giosse dentatis carnosissimis ascendentibus, constae maxima valde convexa a fronte in linguam, a tergo tuberculata, lamina tenui interjecta, denicolo carnosissimo utrinque, columnae glabrae alis parvis setaceis — Habitat in Peruvia

t. *lopn uddenila*.

- O. SERRATUM* Lmdl. - Paxt. ft. Lmdl. Flow. Gard. I. 28 fig 15

K. *Equitantia*

- 3 *O. VELUTINUM* Lmdl. ft. Paxt. Flow. Gard. pag 166 — Folus acutis, carnosissimis, equitiniis, senulatis, flonibus velutinis paniculatis, sepalis dorsali obcordato, lateralibus in unum obtusum cochleatum connatis, petalis suborbiculaeformibus, basi paululum angustatis, hbelli laciniis lateralibus rotundatis quam pelah multo minoribus, in intermediam decurrentibus latam sessilem bilobam, constae tuberculis 2 posicis elongatis mibusque minoribus anticis, alis columnae acinaciformibus obtusis integerrimis " Habitat in Antillis

t. *Icon addends*.

- O. VARIEGATUM* Sw. — Paxt. ft. Lmdl. Hort. Gard. I. 165 tab 33

IV. Tetrapetala macropetala.'

1. 0. LONGIPES Lindl. ft Paxt. Flow. gard. I. p. 46. no. 76. — Pseudobulbis ovalibus diphyllis; foliis angustis tenuibus; scapo billoro foliis aequali; pedunculis elongatis; sepalis lateralibus elongatis pendulis, basi connatis, dorsali breviorc, latiore, refracto; pclinis oblongis pianis; labelli lobis lateralibus parvis obtusis, intermedio transverso apiculalo, sinu convexo serrato; crista pubescente depressa basi simplici truncaia papilla utrinque adpressa apice triloba; columnae alis minimis sinuatis. — Habitat in Brasilia (?)

f Icon addenda.

- O. PUBES Lindl.—Rchbch. (Il. Orcb. Eur. tab. 3.52—55.

Obs. Hue: 0. *fiabelliferwn* Pinel in Paxton, Mag. of bot. XVI ad pag. 65.— Descripio, quoc addita, inanis, nee ad iconem bene conflici potest. Equidem planiam pro *Oncidio carlo* Lindl. habuerim.

V. Tetrapetala m[^]ropetala.

5. 0. 11AEMATOCURYSUM Rchbch. ñjjfc cit. pag. 844. — Pseudobulbis oblongis; foliis oblongis acutis; pedunculo gradfroperne furcato (ouncr pluriramoso?), partitione utraque pauciflora (3—5); bracteis lanceolatis minuiissimis; perigonii pbyllis externis obovalis acutiusculis, lateralibus connatis, apice bidentatis, perigonii phyllis lateralibus internis supremo subaequalibus; labello pandurato, parte basilariquadrataunguiculaln, auricula lanceolata obtusiuscula in utroque angulo posteriore, callo mediano crasso gyroso, nunc in tres paries sulcis 2 transversis diviso, callis 4—6 minutis papillaribus in utroque latere, parte mediana labelli'constricta, arnica transversa rotundata, antice biloba, lobo utroque nunc bi—trilobulato; gynostemii alis subquadrals/marine externo denticulatis. — Habitat in Brasilia prope Rio de Janeiro.
- ↗ 0. BLANCHETII Rchbch. 111. 1. cit. pag. 845. — Foliis lineari-lanceolatis acutis cuncatis gramincis; panicula nullilora; fracteis lanceolatis aculis; perigonii phyllo supremo oblongo, aculo, cuneato, lateralibus aubaequalibus, basi connatis, dein divergemibus, perigonii phyllis lateralibus internja j^ti?Jfciagulis, breviter unguiculatis, niargino deniato - cionulatis; labello trilob<dbroreW>ftbH8 parvis cunoatis, mdrgine deniuto - crenulatis, margine extorno retu8 ^ ^ ^ TIK|Wp obreniformi transverso, breviter uuguiculato, apice marginato, iB9fg ^ ^ HRI||m^arginato, eallo basilari cri-siarum 4 parallelarum, antepositis 3 nùn onj > ^ I | ^ w | tt2i 2 parvis, tuberoulis nonnullis in callis; gynostemii alis abbrevialis, iO^runCaiis, hino suborejulatis. — Habitat in Bahia.

VI. Pentapetala macropetala.

7. 0. SESSILE Lindl. & Paxton, Flow. gard. I. p. 101. t. 21. — Pseudobulbis diphyllis oblongis compressis costatis; foliis loratis, pergameneis obtusiusculis, scapo racemoso-paniculato brevioribus; sepalis distinctis peialisque oblongis obtusis pianis aequalibus conformibus, omnino sessilibus; labello auriculato, apice dilatato retuso, sinu sublobato, crista excavata laevi triloba, anlice bilamellata; columnae alis brevibus truncalis. — Habitat in Santha Martha.
8. 0. CONVOLVACEDM Lindl. ft Paxt. 1. c. p. 102. — Rhizomale volubili filiformi; pseudobulbis secus rhizoma distanlibus compressis subrotundis monophyllis; folio piano *ossili, ovato-oblongo, obtuso, mucronulnto; pedunculis basi squamatis uniOoris, (olio

lubucqinlibua, sopalis libetis petalisque lationbus oblongis icutis patenUssimis, labello maximo bilobo, bascos aunculis Imeanbus apice djkdnli** IOlundalis, costa clevata uuncaia ulnnqnc lobati vomucis a 2 fonte, columme alis acute truncatis — Ilohit in **Venezuela**

- 9 0 S4RCODES Lindl Journ of the hort soc IV 250 et 1 c p 102 — Panicuh rrttemosa angusta, scpali* Miens obovatis plamusculis, pctalis nmjonbus unguiculatis obovato-spathulatis repandis, labelli lobis latemlibus nanis scrmlatis, miermedio mavimo unduhto, rcpando, emarginato, cnsla linean apice biloba lubciculosa pubesconte coJumne pubrscenlis clmandrio anguste marginato, all* cainosis liuncais gin bus — Hue *Onenhurn Jlujbyannm* Paxt Magiz XYI 25? et Van lloutte, Floie des senes M 2)7 c ic. xylogi — Habitat in Diasilia
- 10 0 PIRAMIDALC Lindl Ann of nat lust XV ai c p 103 no 8 — Pseudobulbisovatis ancipilibus 2—3-phjllis, folns oblongis tenuibus, basi angustalis, scapo crccto rigido panicuhto pjramidali multo bievionbus, tepalis obtusis libens, doisali OAIM, latralibus lineaiibus, pctalis duplo lationbus ovalis obtusis, labelli lobis latcialibus amplexicaulibus, inicrmedio bilobo loiioubus, enstn aniicc excaala processubus 7 (') Iinearibim ~~antics~~ longionbus, columna nana, alls Acrlicalibus linean-cuneaiis sublobati«, lostello ~~subulato~~ — Habitat in Pennia
- 11 0 JAMITSONI I mill 1 c. p 104 n% 10 — Pseudobulbis , folio cuimio ~~compli-~~ <ntn, pamcult clfusa, lamulis (livauciiis, (luiihus licciomoiplus plunhus iliuiim niiluis, sojftlli? linLaiibua obtusis icctis, potulis JitploJ^tioiibus oblongis olttusis subundulniis libr llo nunrulnto, npico semicirculari biloho, cflino tuboiculis 5 pirxis, duoluis 1 iclalibus ptitenniissimis, caejens subparallelis, intermedio piotluclioic, columme nlis oli longis u cclis rotundaiis — Hnbilnt in Peruvia pi ope Qiiflo

VII—XII Pentapotala micropclala.

VII. Integulaha

U 0 COINCOLOR Hook Dot Mag 3752 — Hue milu pcilmcie vidctui CYHTOCHILIM CITRIMJM Hook I c tab 4454. — Pseudobulbis brevibus ovatis sulcaii*, npice dipnllis, folns lineau-oblongis acuiiuscalis, scapo radidli folns multo longionbus uicemo ~~simplici~~ 8—10-floro, brnct^1-parvis; septlis o\aiolanccol.iiis nccuminoti^, labello ~~subduplo~~ bievionbus, pelolis o\atis subunduhilis supala ^ubacqiinntibus, labello nn\imo subioiundo-ptinduracformii, basi atlcnu Uo bilaiuollnlo, columna utnnqnc umdenlata — In Anienca centrali

O/s Hue cute ptilincl 0 *wujitululiim* Klh/sth , (juuil iioiiduiu tcreplmn 0 *yui-mimjolio* Lndl consingucuiu habucnm 0 *nnyuicuialum* cum jnni ill **Lliffley** bi o-po^iRiit (Joum lioidc soc I 3GD), illustn fautou **Jilotzseli** noiiitu aliud piacbenduim Imqutis descuptionom addo

- 13 0 UINGUCUI ATLM Klh/scb m Uttoft.Ditlr Allg (.ailcn? XVII 9 (non Lindl) — Piceidobulbit compiessiusculis ancipiubus, ulnnque Jc\Jtci 3—4-cosUiiis, diphyllis, folns oblongis angustis atutis n_nnlis canaliculalis, >crsu« ba'in coiuluplicalis, pamcula quinluplo bievionbus, paniculi basilan quadnped ill, biacteisandi^aculis, scapuni amplexenubus, pengonn foliolis oblongis aculis maiginu uudulatis luleis fusco-puipuro-maculalis, inlcnonbus icviter, extenunbui disluicio costatis, lubello flavo \ilaluio conhio, (ipiio cmaiginalo, longe unguiculalo, basi auntulalo, tnsii tlongata, np^{ice} tngibbosa, infra apicim dcnlala, columuac nanao miice cavac alia beinilunatis ~~mlt-~~ gennnis polling glandula fusco-iQta — fic&tit in **Mexico**

Mil'. *Miltoniastium* Rchb. fil. mss. — *Ilia Oncidia* Pent, inici., quac
cnstas cannatas gemnt e. g *Oncidium Lanceanum* Lindl.

14 O (? *EtioncuUum Macuinthium*) SCANSOR Rchbch 01 Linnaea XXII p 844 — Pscu-
dobulbis ovalibus, ex sicco ancipitibus monophyllis; folns oblongis, apice roiundaiis
acuiis, bnsi subcuneatis pedunculo elongato scandente, lamulis pauciflons icnioiis,
ex axilla squamarum o\atmum eruoiopenlibus, pengomi phyllis externis oblongis, sub-
acuiis unguiculntib, pengonu pliyllis laieralibus intemis liian^ulaubus, margine hint,
inde crenuhtis, unguiculaiis, 4abello unguiculato, ima bftsi ulnnque aunculilo, auricula
inangulan obliu»a, dem cuncato, dilatato in Innunam transversam ellipticam, postice
hasiniam, antice cmargmatam, costa in basi caunala, basi lalioie, lobulis quibusdam
hicalibus basilanbus adnalis — Habitat in Venezuelae provincia Menda aliud
1000 ped

15 0 (*Hotel Pentap Jlici ope/*) ANOMALUM Rchbcb fil 1 c p. 845 — Cpscudobulbc
folns oblongo-hneanbus, apice oblusatis aculinscuhs, pedunculo vaginato (\aginislanc-
ceolaiis acutis), superne conferte pamculato, bracteis oblongis acutis, pedicellis multo
lucvionbus, pengonu phyllis 5 oblongis acutis abbreviate, pengonu phyllis lateial-
bus jnlcrms paulo Intionbus, mnigine repandulis, labello panduiato, lobis posticis ova-
Us nmigine postenoio rcvolulis, hinc quasi lunoiis, loAo medlo lionsveno obtusno,
nniico cinmgirifto, cnllis 7 cannatli parvis inlor lobos basilfres, 4 quindiigominiA po-
6licis, pan ulioquo paiallelo cunAilrbio clivorgontu, pm» iciuo medio posiico aiuopo-
silo, rallo solilno inter uirumquo intrjcto, gynosiioinio roclo, amroclinio subnudo
obliquo in pioccssum rostcllaicm oiniflorliynchum exountc, aptoio, nngulis anticus
oblusiingulis — Habitat in Novae Gianadne piovmcm Pamplona nllit 8000 ped

lb 0 HALMATOCIHNUM Lindl 1t: Pixl Flow gird I p 21 f lab 6 - Kbulbc folus
oblongis pi mis COMICLIS nculis marulalis solitams, mcemis densis ngidis, repatr
libens poialisque conlbimibus spalhulalis undiilatis, labello subiolundo, basi auiciii-
ldio, cmla bail obsulela aiilicc floxuosu (luciam || reftrcntc), inde in jugum producia
denticulo uliinque, columnac alis lotundalis dcauvis sublobilis — Habitat in ^\a
Gianada

!7 0 IMIURChSL lldibcb ill 1 c p 84b — Pseudobulbis ovalibus minulis, folns cias-
sis oblongis acuiis paivis, pengonii phyllo supremo ovato, basi atfenualo, lotcinlibus
extcinl? lanc.eolntis, icutis, maigine undulalis, ima quasi coalitis, pengonu phyllis lal-
talibus intLini* subacquahbus, laltcllo unguicula^- tnlabo, I obis lateialibus oblongis,
margino extuno relusis, lobo inedio a basi anFAfl subito cxplanaio, reniformi, nn-
ttee exciso, mnigine undulnto, callo umco 2 basi labelli ad lobi medu libeu basin,
tulobo, lobis laieralibus angulatis oblusis, medio producio ligulato, amice einaigmato,
•"is gnoslemn lhomboideis obtusangulis, integn*, ab anguhs suprtinis piope ad ba
sm descendenlibuh — Habitat in Guiana Anglica piopePuaia

IV rdUUtubeiCuJdtd

18 0 CALUENSE Rtbclli fil 1 c p 846 — Folns graraineis longissimis, pfdunculo
lamoso, bracteis lanceolate acuiis minimis, pengonii phyllis exlerms lanceolatis, acu-
lls, pengonu phyllis latcialibus internis ovans, cuneatis, nunc apice acuiis, aequilon-
»«s, medio latissimis, labelli tnlobi lobis lateralibus minulis auriuilaiis, lobo media
"nguculato, antice dilalalo, trans(eise rotundnto emaignalo, callis b minulis, nunc
aP>ce libeio cienulatis, tnbus anleiiionbiis majonbus, medus ifluusque giegis mint
<-onnuentibus, androdinio nudo, alis gynosiemn apite libeio eiecto nunc subatutis
~ Habitat in Biasiliae piove Minas GeiaSs

X IMunluberculatd.

19 0 PLANILABRL Lindl a Paxton Flower garden I p.ig 169 —¹ Pseudo-
bulbis ancipitibus leniibus coslalis, folns ensatis recuivantibus, racemo breuiobus,
lacemo simplici, sepilis petalisquo lanceolatis unguiculatis_f unduhlis subieqmlibus,
hbelli lacinus lateralibus oblongis paivis, intermedia semicircuhn phna emargimm,
tnsta ibomboidea cuspidata, maigino eiosa, verrucis 2 inacqualibus uulnqnc YCIMI*
cuspidem, dente foiii obtuso faciei columnar adnato, columnao brevibus carnosis m-
flevis — Habitat in Brasilia

ZO 0 (OSYMBEPIIORUM Mon Ann de h soc d'agnc de Gand V 337 f lab 275 —
Folns hte oblongis aculis, basi altenualis ngidis deccmsulcalis radicalibus scnp
ladicali paniculnto inullifloto, folns longiore; bracteia acutis pedicello bievionbus,
penanthu foliolis conformibus concolonbus libens ovalis, oblusis, undulaus, basi atte-
nuilte*, (loseis, apicc luleis purpureo-maculatis), supenonbus laiioribus, labelli lobis
lateralibus nanis, uncinatis, aculis, intermedio transverso emarginatp piano integio
(cinnamomeo), margims lateralibus rcvolqtis, cnsta tuberculis duobus cosymeraioi-
phis undalo-plicatis (lucis) ad basin, qualuor ta)lu grumosis conoideis (purpuieis) in
disco notala — Habitat ?

Emendatio.

O PLMCANUM Marl — Rcbh LI in Wlprs Ann I. p 788 n. 5 posl „folns anguslo lantco-
laiit .icutis" adde „iaccmis subcomposilis mulufloous, sepalis pelalisqnc linean-laaceo-
latus undulalis aculis reflcxis, labcllo¹ etc

t IooneH aildendae.

O UAKKERI Lndl - Pazton, Mag of bot XIV. 97 c IC
0 LCUCOCHILUM Dat — {*Cylochilum leucvchdum* Planchon) — Van Houlle, Floic des
sencs V 5ZZ
0 SPILOPTLHUM Lndl — Paxl 1 c XV 200

XI. ^errucoso-tubeicuhila

21 0 AIRIFCHUM Rchcbh fil Linnaea XXII p 847 - Pseiidobulbis oblongis paivis
nionoplqllis, folns oblongo-hneanus, apicc obtusaiis, basi vix cuneatis, pedunculo
^iacili, nro vaginaio, apice racemoso, paucifloro, biacieis lanceolatis acutis mimmis,
pciigonu phjliib cxtemii) oblongis, acutis, pciigonu phjllis lateraiibus interms oblongis,
cuneaii¹* ipicuh¹is^punc ^pice obtuse tnlobiA, labello pandurato elongato, lobis latera-
li>U6 obtusatis, nunc bine inde emaignaiis, medio a basi quadrata obrcmloirmi (lobis
siepms bilobis), cat%> 5 — 8 brevibus papillotis, mine bilobi* in ba&i_f gynostemn abs
a basi late cuncua lotundalis seriato - denticulaiis — Habitat in Venezuelae provincia
Mcnda aliit 7000 ped

XII. Basilata

M.O ABORTIVUM Rcbch 01 1 c 847 ~ Pseudobulbis ovatis, aacipitibus monopbyll>⁹
folns 2 fulus, foho oblongo-lanceftlalo, acuto, cuuealo, flonbus paniculalis, plensque
cujusvc laniuli in i.isuculos folioium lanceolalorum aboitienlibus (ut in *O pentadaclylo**
hetcianiho)% baiius lanceoUtis aculis mimuissnnis, pongonii phjllis cxlemis et m-
leini> subacqualibus lanceolatis aculis, pcngonii phyllis laleralibus lolcmis laiioribus>

labello irilobo, lobis lateralibus rotundatis magnis, inlermedio lanceolato aculo, callo basi minute muriculato, anlico polydactylo (—15 processibus cylindraccis recurvis); gynostemii alis ligulalis incurvis, apice denticulatis; anthera ornithorhynoha. — Habitat ad coloniam Tovar.

23. 0. NIGRATUM Lindl. fit Paxlon, Flow, garden I. pag. 78. no. 122. — Panicula ramosa; scpalis lineari-lanceolatis, undulatis aequalibus; labello triangulari postice rotundaio, apice angusiato acuto, crista mulliluberculaia; columnao alis anguslis subden lais basi productis. — Demeiara.

U. 0. PIYMATOCHILUM Lindl. & Paxt. Flow. gard. 1. p. 78. no. 123. — Racemo subpaniculato; scpalis linearibus acuminatis apice recurvis, lateralibus longissimis; labelli auriculis conveiis, dilntatis crenatis, lobo intermedio unguiculato ovato acuminato, basi mulliiuberculalo; columnae alis semicordalis acuminatis. — Mexico.

1466. ODOHTTottliOSSUJII // *B. Knih.*

(LO. 211. — Rcbch. m. in Wlprs. Ann. I. p. 789.)

1. 0. DISTANS Rchbch. fl. Linnaea XXII. p. 848. — Foliis oblongo-lanceolatis acutis, basi cuneatis, (ex sicco) pergamei/eis; panicula diffusa, ramis distantibus; bracteis, ovatis, aculis, pedicellis elongatis multo brevioribus; perigonii phyllo supremo oblongo, aculo, basi unguiculato, lateralibus externis subaequolibus, medium usque connatis, (fain divaricatis; perigonii phyllis lateralibus internis Intioribus, basi subcunealis, prope scssilibus; labello oblongo acuto, basi oblusissime subhastato, unguiculato, lamellis 2 erectis carnosis in limbo unguis lamellacque labelli; gynostemjo brevi, crasso, aptero. — Habitat in Venezuelae provincia Merida allit. 6000 ped.
2. 0. AUROPURPUREUM Rchbch. fl. 1. c. p. 848. — Foliis oblongo-lanceolalis, acutis, angustatis abbrevialis; panicula diffusa maxima; bracteis eblongis acuminatis cucullatis; perigonii phyllo supremo oblongo acuminato, angusle unguiculato undulato, lateralibus externis anguslioribus longioribus, ima unguis parte coalilis; perigonii phyllis lateralibus internis conformibus brevioribus, (non unguiculatis, sed) cuneatis; labello oblongo cuspidato, basi rotundato, obscure trilobo, lobis laloralibus minimis, callo a basi ad medium quinquepartilo, callis erectis laminaeformibus, 2 posterioribus, 2 anterioribus (antice 2—3-dentatis), carina elongata per medium; gynostemio Uptero. — Habitat Pamplonae.
3. 0. UMBROSUM Rchbch. fil. 1. c. p. 848. — Panicula laxa diffusa, ramis Oeuxosis; bracteis ovatis acutis brevibus; perigonii phyllis lateralibus internis aequalibus, sed bslsi valde cuneatis, perigonii phyllis externis oblotigis aculis; labello unguiculato, obtusissime hastato, antice acutifusculo (nune obtuso), lamelus 2 cragis papillosis a badi medium versis; gynostemio brevi crasso, alis membranaceis rorandatis. — Habitat in sylvis umbrosis prov. Merida.
4. 0. GIMIGIFERUM Rchbch. fl. 1. o. p. 849. — Foliis oblongo-lanceolatis, cuneatis, aoutis; panicula diffusa volubili; bracteis ovatis, aculis, cucullatis; perigonii phyllis externis oblongis, acutis, unguiculatis, perigooii phyllis lateralibus internis ellipticis, acutis, cuneatis; labello triangulari, brevissime unguiculato; margine laterali rotundato, lineis^a elevatia crassis in basi, gibbere anteposito pleiodactylo; alis gynostemii breviasim^a», uiplurimura. obsoletis, auriculaeformibus acutis. — Habitat in Merida.
5. 0. ZIEBRINUM Rchbch. fl. I. c. p. 849. — Panicula laxa, diffusa, flexuosa, volubili; bracteis oblongis aculis; pedicellis multo brevioribus; perigonii phyllis cxlernis oblongis, Qcutis, unguiculalis, undulatis; porigonii phyllis lateralibus intornis subaequalibus, brevissime cuneatis; labello brevissime unguiculato ligulato, acuminato, basi obtusato,

560 ORCHIDACEAE (aucl. *G. Ueichenbach*). ODONTOGLOSSUM.

in basin utrinque angulato, lamella basali superne crassa, antice trilobis, callulis circumspersis nonnullis; gynostemio mine crasso clavato, nunc gracillimo semiliteri. incurvo, alis minimis lanceis, nunc deocinctibus. — Habitat in Caracas.

6. *O. ANGUSTATUM Lindl.

p. *helicospalum* Reibch. fil. I. c. p. 850. — Foliorum nervis validis; perigonii phyllis externis cuneatis, non unguiculatis. — Habitat in Meida allit. 10(100) pcd.

7. O. NAKVIUM Lindl. 8c Paxt. Flow. gnrd. I. p. 87. tab. 18. — Pseudobulbis caulis: foliis imbutis lanceolatis, basi angustatis; panicula diffusa; sepalis pedicellatis angustis ovato-lanceolatis, acuminatis, undulatis; labello subconformi vix haudto; caistae denibus 2 grossis subtrilobis pubescentibus; columnae cirris subulatis patulis. — Van Houito, Florae des serres V. 191. tab. 59. — Habitat in Andibus Novae Granadac.

f loon addenda.

0. CKHVAINTESII Llawc. — Paxt. fit Lindl. Flow. gard. I. 69. tab. 15.

Sect. (an genus?) *IIETEHOCLUM* Rchb. fil. 1. cit. pag. 850.

Perigonii phylla oblonga subacuta, basi cuneata, perigonii phylla interalki internis sublata. Labellum a basi cuneata trilobum, lobi laterales obtusanguli crecti, gynostemium amplectentes, aerenulata cum lamina cartilaginea, antice libera dentata cohaerentes, sericallorum 3 inter utramque laminam depressam interjecta, postremo acinaciformi antice bilobo, anlico bicurvi, cruribus apice libero nunc bidentatis, fovea inter utrumque crus, denticulo minimo medio inter anteriorem et posteriorem, lobus medius a basi cuneata irregulariter quadratus, antice et lateribus emarginatus. Gynostemium incurvum, angulis apice et basi obtuse alatis, androclinii limbus carnosus, trilobus, caxilis. Anthera....? Pollinia 4 per paria incumbentia, subconnata pari utroque, caudicula linearis, glandula minuta, subtiliter triloba.

8. *O. NOBLI Rchb. 01. Linnaea XXII. p. 850. f. — Habitat in provincia Pamplona Novae Granadac.

1466/j. **BRACHTIA** Rchb. fl.

(Rchb. 01. in Linnaea XXII. p. 853.) ^

Planta pseudobulbifera, habitu *Oncidii*. Perigonium clausum carnosum. Perigonii phylla externa oblonga acuta, nervis mediis carinata, lateralia ima basi coalita et cum labello connata. Perigonii phylla lateralia interna ligulata obtusa angusta. Labellum oblongum, apice nunc 2—3-lobum, basi saccatum, callo magno piano a basi usque trans centrum anlice bidentato. Gynostemium breve semiteres, basi utriusque angustalatum; androclinium nudum, postice subundentatum, rostellum iridentatum. Anthera cucullata, apice cristata. Pollinia duo bipartibilia, sessilia in glandula cordata.

*. *B. GLUMACEA Reibch. 01. I. c. p. 854. +- Habitat in montibus altissimis **coloniacis** Tourn.

1467. *BRASSIA R. Br.*

(LO. 212. — Kchb. fil. n Wlprs. Ann. I. p. 789.)

1. *B. LONGILORA* Alph. DC. *Mém. de Genève* XI. 2. tab. 2. f. A. ex Schlichtd. Bot. Zeitng. VI. 341. f— Pseudobulbis oblongis diphyllis compressis; foliis acutis, racemo erectiusculo multifloro brevioribus; sepalis longissime lineari-acuminatis, superiore erecto subbreuiore, lateralibus patentibus; petalis erectis e basi lanceolata longe acuminatis quam sepala inferiora duplo brevioribus; labello supra basin constricto subrhomboideo crispo acuminato, superne verrucoso, petalis brevioribus, lamellis baseos basi pubescentibus ultra bidentatis glabris. — In Mexico.

1468. *JHILTOIYIA Lindl.*

(Lindl. Bot. Reg. XXIII. 1837. sub 1976. — Rchb. fil. in Wlprs. Ann. I. p. 790.)

1. *M. REGNELLI* Rchbch. fil. *Linnaea* XXII. p. 851. — Pedunculo tectiusculo, nunc angulato, erecto, apice racemoso, paucifloro (3—4); bracteo lanceolatis acutis nervosis brevibus, ovariorum pedicellos subaequantibus; ovariis costatis; perigonii phyllis externis lanceolatis acutis (ex sicco margine undulatis), perigonii phyllis lateralibus internis oblongis, nunc obovatis acutis, basi cuneatis; labello dimidio antico obtuse quadrato, apice truncato emarginato, lateribus obscure emarginato (inde obscure quadrilobo), dimidio posteriore cuneato, callis 3 elevatis parvis, medio minore, in nervis 3 mediis inter basin labelli et centrum; gynostemio brevissimo, marginibus angulato, anguli partibus superioribus alatis, alis angustis integris apice libero falcatis; androclinii margine nudo. — Habitat in Brasiliae provincia Minas Geraës.

t *Leones addendae.*

- M. KARWINSKH* Lindl. - {*Oncidium Karurinskii* Lindl.) — *Pact. Mag. of bot.* XVI. 161. (c. ic.)
M. SPECTABILIS Lindl. — *Hook. Bot. Mag.* tab. 4425.

1469. *PHALIAEHTOPSIS Blume.*

(LO. 213. — Rchb. fil. in Wlprs. Aon. I. p. 790.)

- *• *PH. AMABILIS* Blume, *Rumphia* IV. p. 52. tab. 194. fig. 1. et tab. 198/A. - Habitat la-
 Ussime ad Philippinas usque ab insulis Sundaicis disperse et tam[^]sicinia maris, quam
 *n mediterraneis, locis sylvaticis non nimis densis, a me re pent Fide Herb. V. III.
 De Jussieu pulcherrimam hanc plantam in Java jam indagavit Gommerson et in transitu
 ad Sinam in parva insula prope extremitatem occidentalem Javae collegit Osbeck.
 Hanc cum in fruticetis insulae Nusa Kambangan primum conspicerem, flores Phalaenas
 esse putabam, unde nomen generis, flujus plantae, cujus paucis ab hinc annis:
 unum specimen In Anglia centum libris sterling pendebar, foliis novellis vice oleris
 Plebs vesci solet. quod ei baud magis invidendum, quam diviti Hli planiae e lonpinquis
 'erris advectae tam cara possessio. — Lindl. in *Gardn. Chronicle* 1848.p.39.c.ic.xylogr.
 Foliis oblongis, sepalis lateralibus interhis mucronatis phyllum supremum margine te-
 gentibus; labello phyllis lateralibus internis longiori, lobo medio truellaeforni, angu-
 M« projectis, lobis lateralibus rhombeo-oblongis; cirris albis.
- *• *PH. GRANDIFLORA* Lindl. *Gardn. Chronicle* 1848. p. 39. c. ic. xylogr. - Foliis lon-
 Si>; sepalis lateralibus internis phyllum supremum margine non tegentibus, apice
 in.

imucronatis, labello phyllis lateralibus ex terms muho brevion, lobo medio linean-hastaio, lobis lntcralibus oblique cuneatis oblusangulis, cmis flavis — Java

Obs Eqmdem moneo, ad hanc pertinere icon em Blumcanam in Rumphia jam caatam Rclib ill

- 3 PH EQUICSTIUS Rchbch 01 Linnaea XXII p 864 — Fols oblongis cuneitis, pedunculis ex axillis squainarum veiustamm exsertis tereiuscuhs 3-vaginat, nunc ramosis, superne flexuosis, bracteis minimis acutis, perigonii phyllis eiteims oblongis acuiis, petigonii phyllis lateralibus inteims obovatis acutis, labello tupartito, paritionibus lateralibus lunalis obtu^is divancalis, intermedn oblonga ipice in apiculum relusum attenuato, callo poslice bilobo in basi — *Stawoglottis etjuestus* Srhauci in Act Leop XIX Suppl 432 — Habitat in Manilla — Fadem phnti 1848 ab ill Lmdl in Gardn Chronicle p 671 c IC x\logr desenpta nomine *PValuen toseae* Gum nomen nostium speciale mulio sit antiquius, id eut letinendum Descriptionem autem ill I mdley addo, cum liber citatus non in omnium lectorum sit manibus „Fols oblongis conaceis ncutis, apicc recurvis, scapo cernuo ramoso tortuoso subclavato, flonbus aubcarnosis sepahs ovalis, petalis ovahbus paulo latiortbus, labello ascendente liipartito, lacinnis lateralibus hnean - spatulatus lunatis, intermedia ovata, ensta lunata lotundaia depressa emarginata" — Rchb fil — Paxt Mag of bot XVI p 60 xyl ic

1470!. WAI1.E8IA *Lmdl*

(Lmdl in Journ hort soc IV 261)

- 1 W PIGTA Lmdl 1 c — Paxton, Mag of bot XVI ad p 3^1 (Icon inaccurate, n\lplectis prope labelli dentibus lateralibus, nee video saccum baseo^) Hye ommno pertinere raihi quidera videtur

LEOP% RDA1VTHL§ *Blume*

(Blume, Rumphia IV 47 (1848) ft Mw bot Lugd. Bat p 47)

Pengonn patentis phylla extenora et interiora subacqualia. LajbelluJD basi saccata gynostemio b rev Her connatu-m, erectum, subtnlobum, *U>W* lateralibus abbieviatis, gynostemium amplexens, lobo medio elongato subfornicato Gynostemium breve latiusculum, antice oblique truncatum Anther a terminals, postica, biloculans. Polhnia 2 edJipsoidea, postice sulco e\arata_f in apicibus caudiculae lammiformis bifidae ad basin dilatp-recurvae sessilia. — Herba Javanica terrestns, caulescens, ad arborum truncos scandens: fols distichis hnean-lanceolatis acuminatis nenosis, scapis axillanbus racemosis laxiflons; flonbus mediocnbus maculatis

- 1 'L SCANDENb DJumo 1 c p 48 no. 119 fig 15 — Habitat in aylvis humidis Javao occidtnialis

1471. T£IiIPO«OISr *H. B. Knth.*

(LO 214 — Rbch fil in Wlprs Ann I p 790)

- 1 T KLOTZSCHEANUS Rchbch fil Linnaea XXII p 851 — Fols oblongis acutis; ~~pe-~~ dunculis muluflores multoties brevionbus, ex foliorum supenoium axillis ortis, ~~aloo-~~ gatis, nunc flexuosis, biacleis lanceolatis acutis, perigonii phyllis externis ~~luncat-~~ lonceoians acuminatis, perigonii phyllis lateralibus ipternis ova Us acuminatis, ~~labell-~~ rotundo antico acuto — Habitat ad Colpniam Tovar

1471*i*. *HOFMEISTERBIBLIA* *Rchb. fil.*

(Rchb fil De pollims Orchidearum gonesi ac structure et de Orchideis in ortem ac systems redigendis 1852 Scholia p 30 nom *Hofmeisteriae*)

Pengonn phylla externa et lateraha inteina hneana acuta, m era brancea, labellum tngulum, basi ulnque obtusangulum, apice cuspidatum, membianaccum Gynostemium gracile, semiteres, andioclinn pars siiptnor obljqc excavata, antio, inmaigmata, apice apiculata, descendens in proccssum rostellaem dent is instar pronum, basis gynostcmu omnino non products. Anlhera oblonga, utrinque apice acutangula, in processum antenorem h^ulatum pioducta, poUinia oblongocyndracea, gemma, rhombeae seu tngulae basi caudiculae dein hnean-subulalae dlhxa, glandula sagittata, obtusangula — Genus dicavi amicissimo ac illustnssimo **W. Hofmeister**, plantam et polline pennsigni et tot cellulis spirifens pulcheriimis et mira pengonii tela tot virtutes microscopicas gerentem bene apteque ratus salulan Hofmeisterellae eumicroscopicae nomine — Genus pulchrum, ab omnibus Orchideis distinctissimum, soli Telipogoni ac Trichoceroi quodammodo affine.

1 H LUMICROSCOPICA Rchbch fil 1 cit — Plamula pusilla Radices velatae numeronae, crassae Folia ensiformia, acua, semipollioaria, ab angustiori basi ra^dio dilatata, imi basi vaginantia distioha Pedunculus 3—4 pollicans, aacipiti-alatus, usque ad basin spicaius Braccae lineares, acuae, pedicellis molto breTiores, a nervo mtdio nlac instnr ad proximam biacteam usque descendentes Spica 6—11-llora, disiiclia Pengomum citnnutn, labellum medio rubrum — Mira gynostemii fabnca hoc genus ifllnc esl et *Telipogon* lib B Knth et *Tnchocero* Hb B Knth Utrumque genub bene cogno\i, cum flores ab ipsis ill IlumboUlt el Bonpland leclo inalyti subijceie licueut, illiusque generis multa inspexum specimina *Telipogon* facile disunguitui processu lostellan eiccto, a nth era bivalvi, voUula inferior] anthesi abbreviata, supenon supposita, polhniis qmlerms, collnialibus apici dilalato dentato caudiculae impositis *Tnchocci otis* genus a pictoreTuipin in icone (Hmb Bpl Voyage I 76') analysi hUissima est illustrntum, ad illam autem ab ill Kunib descriptum Quae ibi laudantui brachia seu cornua gjnOstemu, ea omnino non pertinent ad gynostemium, labelli sunt lobi laterales ligulali, ciliali% erecti Anlhera obtuse trlangula, apice emarginata poiliniisque per pans mcumbentibus fnoillime n Telipogone et flogmeisteiella distinguiliir — Haec viget inter Jungermannias ac Lichenes ad 9600 supra Loxa Peiuviae in nobih Gentropetali consorlio

1472. *VAUTDA* *R Br*

(Blume, Rumphia IV 48 ft Mus bol Lugd Bat p 61 — Rchbch fil in Wlprs Ann 1 790 - Lndl Orch 215 (ex parte') — *Addia* Gaudich)

Pengonii explanali palentis phylla extenora et interiora subaequaha Labellum sessile, basi saccatum vel breviter calcaiatum sublnlobum, ^{lo}bis lateialibus nanis, mtormedio elongato, disco saepius cum tuberculo et subcnstato Gynostemium breve ereclum crassum obtusum, ^{ad} basin interdum dilatatum, rostello abbreviato, retuso Antheia ^m>nalig_f biloculans* *Pollmia* gemma subglobosa, postice obliqua, biloba, ^{ln} apice caudioulae Imean-oblongae vel cuneatae ad basin dildtato-hattat&e annexa. — Herbae m Asia Iropica insulisque vicims indigenae,

epiphytae caulescentes: foliis distichis, elongato-heterophyllis, apice saepius oblique retusis vel praemorsis, pedunculis racemosis, lateralibus vel terminalibus, floribus speciosis

§. 1 *Vandae veterae*. Labelli lobo intermedio dilatato, vane patente.

- 1 V *FURVA* Blume, Mus bot Lugd Bat p 61 n 156 — Folis rigidis canaliculatis subcucullatis, apice inaequali reclusis, racemis erectis folio brevioribus laxis, 3—5-floris, phyllis pedunculatis oblongo-obovatis curvatis, labelli lobis lateralibus ascendentibus obtusis, intermedio patulo, panduriformi, apice rotundato emarginato piano disco e tuberculo basilari rotundato lineis 5 elevatis, calcaribus obcomis obtusis — Blume Cent Plant nov el in Rumphia IV p 48 t 192. fig 1 et tab 197 0 — Lindl Orch 215 2 - *Vandidium furvum* Willd Sp plant IV p 103 — *Vandidium furvum* L Sp plant 1348 (quod alt ad cit Herb Amb I) — *Angraecum furvum* Rumph Herb Amb VI p 104 t 46 fig 1 — *Angraecum furvum* Malacca — In Moluccis, insula Bima etc — Hue? V *FUSCO-VIRIDIS* Lindl in Gardn Chronicle 1848 p 351 — Racemo paucifloro, sepalis oblongis, basi subattenuatis, apice obtusis, planis, phyllis lateralibus exterius unguiculatis, obovatis, obtusis, angulis cuspisaequilongis, labelli lobis baseos erectis lobo medio panduriformi, apice emarginato, lamellis 5 in basi, calcaribus labelli dimidium aequante (Lindl I c paucis mutatis)
- 2 V *LI MB AT A* Blume 1 c p 61 no 157 — Folis rigidis canaliculatis, recurvis, apice abscissa dentatis, racemis patentibus folium adaequantibus, laxis, 5—7-floris, phyllis pedunculatis oblongo-obovatis cuneatis, labelli lobis lateralibus ascendentibus obtusis, intermedio arrecto panduriformi, margine inferne revoluta, apice spatulato rotundato margine plano, disco e tuberculo basilari rotundato lineis 4—5 elevatis, calcaribus obcomis obtusis — Blume in Rumphia IV p 49 — In Java habitat — Priori quam maxime affinis
- 3 V *CONCOLOR* Blume 1 c p 62 no 158 — Folis laxis, canaliculatis, patentibus, apice abscissa indentatis, racemis patentibus, laxis, 7—10-floris, phyllis pedunculatis oblongo-obovatis, obtusis, undulatis labelli lobis lateralibus ascendentibus obtusis, intermedio cuneato-bilobo — Blume, Rumphia IV p 49 — *Vanda furva* (baud Bl 1) Lindl Misc Bot Reg 1844 p 39 no 42 (excl sijn omnia praecleari Bot Mag 1) — *Vanda Roxburghii* var *unwoloii* Hook Bot Mag 341b — In Sina
- 4 V *SUAVID* Lindl in Gardn Chronicle 1848 pag 351 — Racemis laxis brevibus, sepalis petalisque spatulatis retrorsis, cuneatis, valde undulatis, sublobatis, apice rotundatis, labello convexo trilobo, lacina media alte bifida 3-costata, lateralibus ovatis, actis, patulis* — Java >
- 5 V *INSIGNIS* Blume, Rumphia IV 49 f tab 192 flg 2 fit t 197 A ft Mus bot Lugd p 62 no 159 — Folis rigidis, canaliculatis, apice inaequali abscissis vel dentatis, racemis erectis folium adaequantibus laxis 5—7-floris, phyllis pedunculatis obovato-oblongis, rectiusculis, labelli lobis lateralibus ascendentibus obtusis, intermedio arrecto apice dilatato-rotundato, undulato, ad basin subattenuato e tuberculo obtuso, cum lineis duabus elevatis, calcaribus obcomis obtusis — *Grammatophyllum pulcherrimum* Herb. Spano ghe — Crescit in silvis montanis insulae Timor.— *Vandae furvae* valde affinis, sed floribus multo majoribus et labelli forma insignis
- 6 V *TRICOLOR* Lindl B Reg 1847 t 59 adn -Hook B M 4432 -(Wlpr Ann I p 790 n 2.) -Hue V *SUAVEOLENS* Blume, Mus bot Lugd Bat p 62 160 flg XVII - Folis rigidis eai mansuetis, apice oblique praemorsis vel dentatis, racemis erectis folio brevioribus laxis 5—9-floris, phyllis pedunculatis obovato-oblongis, leviter curvatis, labelli lobis lateralibus ascendentibus, truncatis, intermedio arrecto panduriformi, apice rotundato emarginato undulato, disco e tuberculo basilari emarginato, lineis 4 elevatis — fl¹*^

Cent Plant nov et in Rumphia IV. p. 49 — *Lxmodorum suaveolens* Herb. Rwdt — In sylvis montans Javae, inprimis in Saguero sacchanfero — Planta pulcherrima, floribus magmtudine *Vandae insignis*, eiterne niveis, intus pallide stramineis et sordide purpurascens-maculatis v. albidis, maculis purpureis irregularibus, labello violaceo v. in purpureum vergente, lobis lateralibus e gynostemio ad basin latissimo crasso albis Folia disticha, recurve, crassa, subcarnosa Racemi e foliorum axillis emergentes, laxiflori, in basi cujus ovarium elongatum filiformis bractea ovata, obtuse, appressa

- 7 V HELVOLA Blume, Mus bot Lugd Bat p 762 no 61 — Folia rigidis, subundulatis, basi canaliculatis, apice oblique reclinatis, racemis erectiusculis folio brevioribus, phyllis pengomi oblongo-spathulatis, duobus lateralibus exterioribus sub labello subconniventibus, labello saccati lobis lateralibus connatis obtusis, intermedio palato in angulo hastato obtuso medio lumido, sulcato, sacco compresso obtuso — Blume, Cent Plant nov et in Rumphia IV p 49 4 — In sylvis montans Javae occidentalis, mensibus Martio et Aprili florens — Stirps magnificentissima, quasi terram inter Vandam, Renantheram et Cleistostoma efficiens Gynostemium basi valde dilatatum, labello saccato latere gynostemii adverso inius duas callositates parvas habet, lobo medio triangulato hastato intus lumido et aliquantum sulcato, subius concavo Flores magmtudine *V. suaveolens*, helvolum paululum in pallide purpurascens vergens, lobis lateralibus brevibus, laevibus purpurascens
- K V SULINGI Blume I c. p. 102 — Folia rigidis canaliculatis rectiusculis, apice oblique reclinatis, racemis erectiusculis folium utraque 3—5-flores; phyllis pengomi lineari-spathulatis, labello lobis lateralibus ascendens, truncatis, erosus, intermedio ovato palato incrassato lobis hinc, calcar brevi incurvo — *Aerides Suhngt* Blum Bijdr Flor Ned Ind p 367 — *Armorum dutchum* Kuhl et Van Haas Orch ed Bieda tab 6 — *Licnanthea Suhngt* Lindl Gen et Sp Orch p 217 3 — In rupibus et arboribus Javae occidentalis
- 9 V TERES Lindl — Rchb fil in De pollinis orchid etc Scholia p 32 — Excellentissimus Jac Seidel Dresdensis, rarissimus, ex decimo specimen ingentius hujus Orchidearum principissimum summo amore excolit Grata planta quotannis pedunculata pleiamhos spargit Gynostemium aulem vana observavi Haec anno 1844 gynostemium eiant apice dilatata, androclino postice vix apiculato, flosculi apice unidentato, angulis antheris gynostemii incurvis obliquis, polinibus maximis — Anno 1846 contra apiculus posticus androclini major, rosielli apex bidentatus, angulus anticus gynostemii utrinque eximie angulati, pollinibus miuta. — Rchb fil Orch Eur lab 3 fig 32-38

t Icones uddendae.

- v COERULEA Griff - (Wlprs Ann I 790 no 1) — Paxt ft Lm Flow gard I. 181 lab 36 — Van Houtte, Flore des serres VI 239 lab. 609

§. 2 *Fieldia* Labello lobis intermedio angustato, erecto, apice inflexo.

- ¹⁰ V (FIELDIA) LISSOCHILOIDES Lindl — (Wlprs Ann I 790 no 3) — Folia rigidis, canaliculatis, arrectis, apice oblique reclinatis, racemo erecto, longissimo, laxo, multifloro, Phyllis pengomi obovato-oblongis rectiusculis, labello saccati lobis lateralibus connatis obtusis, intermedio angustato, apice uncinato-inflexo, sacculo nano obtuso — Lindl Gen et Spec Orch 216 et Blume, Rumphia IV p 49 5 t 194 fig 2 (nomine *Heldia htsochilotdes*) — *Fieldia Imochtiloides* Gauch in Freycin Voy bot Ui * 36 — *Gymmatophyllum panthennum* Herb Zipp — *Angraecum quinquangulum* Angrecknngsmgkitsjil Rumph, Herb Arab p 102. — *Angieck knngsing kitspl Mtizice* — In Moluccis, ins Bah etc

1473. RETFATHER% Lour.

(LO 217 - Dlume, Rumphia IV 54)

Pengonn explanati patentis phylla angusta, subaequalia, lateraha duo extenore ahquanto lahora, plcrumque sub labello piotcnsn, rchqua reclinata Labellum nanum, basi gynostemn elastice affixum, sacolum, subtnlobum, lobis lateralibus brevibus erectis, inlumedio reflexo longioic Gynostemium, breve, uassum erclum, rostello supra stigma piominente emarginato Anlhera teimmalis, incomplete biloculans Pollima 2, elhpsosideo-globosa, poslice biloba, caudiculae elongatae, supid medium constnctae. ad basin peltatae affixa — Herbae in Aichipelago Indico, Moluccis, Philippmis et Sina austiah indigenae, lupeslies vel epiphyt.u, glabrae caudiculis radicanhbus, scandentibus, ramosis, folns distichis, conaceis, hneanbus vel oblongis, emarginatis, flonbus paniculatis, saepe speciosis, coccineis vel rubicundis, vulgo punctis vel maculis adpersis.

- 1 R MOLUCCANA Blume, Rumphia IN 54 + tab 193 fig 2 fit tab 197 E & Mus bot Lugd Bat p 60 no 153 — Folus Imeau-oblongis, emnrgmatis, panicuhs nutntibus multiflons, pengonn phyllis lincm i-spatlmntis, obtusiusculis, duobus lateinlibus exte-rjonbus superne latioubus undulaiis, labelli lobis lateialibus sinu excisis, inteimedio linguiformi reflexo — *Angiaccum iubium* Rumph, Amb VI p 101 lab 41 fig 2 — *Angiec meia* Malaice — In Amboina
- 2 R MICRANTHA Blume 1 c p 60 no 154 — Folus linean - oblongis oblique retusis, pamculib sinctis mulufloii!), pengonn iihjllis lmean-spathulalis, obtusis, duobus Inic-ralibus extenonbuslationbus, labelli lobis lateialibus truncato-emarginatis, mteimedio aculo reflexo. — Blume, Rumphia IV p 54 — *R malulina* (hand Bl I) Lindl in Bot Reg 1843 tab 41 — In Philippine
- 3 R MATUTINA Blume 1 c p 61 no 155 — Folus hneanbus oblique letusis, pani-culis nutantibus muluflois, pengonn plnllis linean - lanccolatis, acuminaiis, duobus lateralibus extenonbus lationbus, margmo sub labello connexis, labelli lobis lateialibus denliformibus, Intennedio linguifoimi, rtflexo — Blume, Cent Plant nov — Lindl Gen et Spec Orchid p 268 5 (haud in Bol Reg 1843 tab 41') — Hussk Plant Jav rai pag 129 72 — *Andes matutina* Dlume, Bijdr Floi Ned Ind p 366 flg XXIIH — *Lidq bcbck* Sundaice — Ad radices montium Jnvae occidentalis epiphyta

ABACHNANTHE Blume.

(Blume, Rumphia IV p 55 — Blume, Fl Jav Praef VI — *Aiachnis* Blume, Bgdr Flor. Ned Ind p 365 flg XXVI)

Pengonn patentis phylla angusta maequalfa, antenora et intenora arcuato-convergentia, posticum elongatum, rtcte ascendens Labellum basi gynostemn elastice affixum, tupartitnm, lobis saccato-conniventibufl* lobo medio delloideo, ima in talcai bieve reduntuni %et sub apice in dentem dorsalem produclo Gynostemium breve, crassum, obtusum, ro-stello proboscideo-prominente, emargmalo Anthera terminalis, bilo^{6U*} lans Pollima 2, ellipsoideo-globosa biloba, caudiculae tnangulan, i^{10*} reduphcatae sub apice affixa 5- Herba Aichipelagi Indici, epiphyta, cau-lescens, radicans folus distichis coiiaceis, scapis oppositifolns ramosis» flonbus speciosis maculatis, formam scorpn aemulantibus. — *QwO»*

hoc a cl. Lindley aliisque auctoribus cum Renanthera Lour, conjunctum, mihi tam en peculiari conformatione labelli et caudicula triangulari in basi lata laminam replica tam efformante satis diversum videtur.

1. A. MOSCHIFERA Blume 1. c. p. 55. tab. 196. et tab. 199/D. — *Arachnis moschifera* Blume 1. c. — *Renanthera arachnites* Lindl. Orch. 217. 2. — *Aërides arachnites* Sw. in Schrad. Journ. 1799. 233. — *Limodorum flos aëris* Sw. Nov. Act. Ups. 1740. p. 37. — *Epidendrum flos aëris* L. Sp. pi. 1348. — Non, ut quidam perhibent, Javæ ex Japonia importata, inque regione magis teraperota Orchideas epiphytes tantæ luxuria frustra quaeras, sed in Archipelago Indico oriunda et jam a Rumphio nostro et Kaempfer merito Florae Javanicae adscripta. Forma florum plane singularis, quibus aliqua cum scorpio est similitude) et odore moschi gravissimo, quam spargunt, quique, ut jam Kaempfer reulit, taniummodo in exirema petali parte caudam referre residet, qua subtus infra apicem impressionem glandulosam inveni, animadversione nostra dignissima slirps est. Ecce, quae de ea Kaempf. V. Cl. I. c. memoravit. — Obtulit mihi ill. On. Gen. Outhorn ex nmoeriissimo horto suburbano suo stylum floribus decoratum omnino sepiem, omnino explicatis, spectaculo sane jucundissimo, ut negem quidquam elegantius et admiratione dignius in regno vegetabili me vidisse.

1480A. ARRHYTHCHIVII *Lindl. & Paxt.*

(Lindl. ft Paxt. Flow. gard. I. p. 142. no. 192.)

Epiphytum: foliis distichis coriaceis. Sepala et petala explanata libera, basi aequalia. Labellum sessile, calcaratum, ascendens, carnosum, calcari vacuo, lamina indivisa. Columna nana teres, basi haud producta, stigmatate circulari. Anthera subrotunda, bilocularis, membranacea, depresso. Pollinia 4 geminala, aequalia, caudicula subulata, glandula triangulari membranacea semilibera. Rostellum truncatum.

1. A. LABROSUM Lindl. ft Paxt. 1. c. — Labellum carnosum, basi concavum, biauriculatum, calcari ascendente, obtuso, recurvo, ore incrassato fere clauso, lamina lutea carnosissima, rugosa, ovali, horizontaliter flssa, calcaris convexitati adnata. — Asia tropica.

1480B. ORIFITHARIUM *Lindl. & Paxt.*

(Lindl. & Paxt. Flow. gard. I. 188. fig. 117.)

Caulescens: foliis distichis. Flores spicati resupinati, clausi, carnosissimi. Sepala lateralia basi ima connata, cum labello parallela, dorsale paulo sejunctum. Petala conformia. Labellum Uberuin unguicatum, carnosum, a basi sagittata cuniculatum. Columna semiteres, brevis, atigmatate verticali. Pollinia 2, solida, caudicula obovata, glandula triangulari, rostellum reflexo.

1. O. STRIATULUM Lindl. ft Paxton 1. c. pag. 183. fig. 117. — Sepala et petala obtusa carnosissima, lutea, maculati quibusdam internis; labellum spogiosum, candidum, oblongum, rugosum, minuiissime scabrum, apice appendice sphaerica, cava, atropurea auctum, intra cuniculum laeve. — *Ornilhochilus striatulus* Hort. Calcqt. — Habitat in Asia orinda L.

1490. PODOCHILUS Blume.

(LO. 234 — Blume, *Rutnphia* IV. 43. — *Podochilus* Blum. *Bijdr. Flor. Ned. Ind.* 295. fig. XII. — *Platysma* Blume 1. c. p. 295. fig. XLIII. — *Placostiyma* Blum. *Flor. Jav. Praef.* VI. — *Apista* Blum. 1. c. 296.)

Perigonii subclausi phylla exteriora inferne cohaerentia, lateralialia laliora, obliqua, cum ungue gynostemii connata, interiora angustiora, libera. Labellum ungui gynostemii basi bicruri elasticè affixum, subintegrum. Gynostemium breve, in ovario recumbens, rostello bi- vel Iricuspide. Anthera dorsalis, bilocularis. Pollinia 4 (verissime 2 bipartibilia), caudiculis duabus membranaceis convolutis. — Herbae Indiae orientalis e minoribus, epiphytae, caulescentes: foliis distichis parvis; floribus exguis, solitariis vel spicatis, saepe terminalibus. — Hac in re cl. Lindley sum secutus, qui genera quae constitueram, supra relata conjunxit, magis adeo, quod plantae illae nanae habitu, quam quod conformi gynostemii fabrica et polliniorum apparatu convenient: qua in re magnum sane earum est discrimen, itaque illa genera restituenda esse censeo. Cum *Cryptoglotti* (*Hexameria* R.Br.), *Appendicula* (*Metachilo* Lindl.), *Agrostophyllo* et *Glomera* peculiarem Epidendrearum tribum eamque admodum naturalem efficiunt, quandoquidem pollinia eorum revera retinaculo (s. glandula) et nonnullorum generum praeterca caudiculis distinctis sunt instructa, quam obcausajnequaquam *Dendrobieis* sunlannumeranda. Ecce quaedam observata, quae maxime fabricam gynostemii et polliniorum nonnullarum ex his *Orchideis* spectant, quo melius intelligatur, cur in complura genera *Podochilum* dissolvi necesse sit. Typus hujus generis habendus est *Podochilus lucescens*, qui habitu satis ad minores quasdam *Appendiculas* accedit. Phylla perigonii ejus exteriora ultra dimidium in tubum antice subventricosum ore trifidum sunt concreta; labellum parvum, convolutum, ima cruribus duobus oblusis gynostemio adversis, inter quae hujus ungui brevi elasticè affingitur. Gynostemium breve, semiteres, antice staminodiis duobus lateralibus subulatis rectis bicornutum. Rostellum eiongatum inclinatum, apice tridentatum. Pollinia 4, per paria caudiculis duabus membranaceis convolutis retinaculo (s. glandulae) communi angusto-sagittato corneo connexa. — In *Plocostigmate gracili* meo labellum ima cruribus caret, dorso supra basin ungui gynostemii angusto elasticè annexum. Gynostemium breve semiteres, cornibus (s. staminodiis) destilulum in retinaculum inclinatum, apice tridentatum atenuatum. Caeterum *Podochilo* satis conformi gaudet apparatu pollinico, stigmatè lamina membranosa emarginata, qualis etiam in nonnullis e sequentibus et in quibusdam *Appendiculis* invenitur, plane obducto. — *Podochilus scalpelliformis* et aliae quaedam, species in opere laudato breviter a Lindley relatae jam, quod ad vegetationem distinguuntur foliis equitantibus ensiformibus (quapropter generi sive sub* generi nomen *Scalpellorchis* imponi queat) elsi certe species hie a nobis descripta et ob phylla perigonii exteriora vetusta, concreta, et ob **label:** lum ima cruribus duobus instructum magis cum *Podochilo* *lucescens* quam cum *Plocostigmate gracili* convenit. Gynostemium vero cornibus (s. staminodiis) caret, in rostellum apice bifidum attenuatum, **cornibus** **que** **destil-** **lulum** **in** **retinaculum** **inclinatum** **apice** **tridentatum** **atenuatum**. *Plocostigmati* *gracili* satis analogum, sed stigmatè lamella destil- **lulum** **in** **retinaculum** **inclinatum** **apice** **tridentatum** **atenuatum**. pollinia quoque caudiculis duobus convolutis communi retinaculo **in** **retinaculum** **inclinatum** **apice** **tridentatum** **atenuatum**. annexa, quod hie laminam, oblongo-lanceolatum exhibet. — At insigno **in** **retinaculum** **inclinatum** **apice** **tridentatum** **atenuatum**. *Podochilo* simili et *P. deusifloro* cernitur discrimen, in quibus **apex** **in** **retinaculum** **inclinatum** **apice** **tridentatum** **atenuatum**.

nostemii rostellum semilunare bicuspis effbrmat (unde generi nomen Selenostylis haud absurdum foret), cujus fsciei concaviusculae retinacu- lorn (s. glandula) agglutinatur. Hie quoque pollfha .caudiculis duabus convolulis retinaculis duobus distinctis divergentibus snnt affixa; sjigma in ulraque specie sub lamella latet. — In *Apista* mea similiter utraque caudicula relinacuto distincto,* sed alilei' tamen affixa est, .Rostellum enim iis recipiendis* apice biemdrginatum el gynostemii/m ad latera staminodiis duobus dentiforoiiibus plus minusve distinctis instructum est.

1. *P. DENSIFLORUS* Blume, Rumphia IV. 44. f t. 1W. fig. 5. ft tab. 200. B. - fifnlibus sarmentaceis; foliis lineari-lanceolalis; floribus terminalibus confectis secundis (raris- aime solitariis)*, perigonii phyllis intcrionibus linearibus obtu<is, laieralibus exteriori- hus inferne in saccura obtusum connalis; labello oblongo-spathulato, ad basin coarcta- tam obsolete auriculato. — Habitat inter Musies, Jungermannias aliaque epiphyta in truncis arborum ab hortulano Zippelius in ora Guineae Ncfvae inter meridiem et occi- deniem sila reperiis et a Laiour)n looo depictus. Nisi inflorescentram vulgo dea- satam diversamque florum conformationem respicias, facili negotio cum plantula ista Javanica, quum in Bijcl. Hor. Ned. Ind. p. 296. nomine *Aristae tenuis* descripsi, con- funditur, quippe cui plane simplis est habitu et eo quoque, quod folia siccata ejus tonilia adeoque plftntarum acerosarum hand absimilia sunt. Crebra ejus specimina ex Borneo quoque attulit Korthals Y. Erud., eaque mnjori luzuria nee non labelli forma nh illis ex Nova Guinea aliquomodo diversa, ut facile alii specie! ea tribuerem. Utra- que nulera species *P. microphylo* Lindl. Gen. ft «p. Orch. 234. valde affinia est.

2. *P. SIMILIS* Blume 1. c. p. 4^ — Species affinis ex Borneo, cui nomen *P. similem* impositum volumus, eo magis digna esi, quam brqyiter commemoremus, quod ea ad acurariorem analysin in ultima hujus operis tabula ezhibitarij usus sum, proplerea, quod e speciminibus Guineensibus duo lamum nores dissectioni erant idonei. Utriu- que inter se comparatio, ut supra diximus, majorem illius ostendit iuxuriam; baec enim surculos. ut plurimum, spithamam, ilia vero pedem aut sesquipedem longos prostratos, laiós offert, in quibus folia angusta dongirtiora minus quam in altera ilia sum approximata. Flores terminales, saepius qaam in *P. den</oro solitarii*, aut certe in apice ramulorum lateralium volgo abbreviatorum simili niodo per sprcam minus densam dispositi, filbidi aat pallide purpurascetes. Magnitudine aul form* phyllorum pergonii nurtum cum pfonta et Guinea dscrimen. Gynostemium quoque plane con- forme. Labellum vero lalius ubi explanatnr<subpanduriforme, supra basin wonnibil interrúplam pulviniformem, Ima margine cUMoso orenulatum tmus concavum, netvis 5 rimum rotundatum erecto-paWntem versus eranescentibus, Interrtedlo crassiore, ibfra margem nonnFhil undulatum limbl tubei^cultf minuto camwo terminato, uM-o^ue au- lem lateral! saepe altius exorto maffis 6brtl<C Binds ma.sas po>rt>cw, * . " ! * *

fevel, non sicut in *P. den- nomeni, quod flores & me*

investigati in illa specie nondum aperti, in hac vero plane evoluti erant. Massae il- lae clavatae, integerrimae, magnitudine paulo dissimili, extremitate superiori attenuata caudiculae membranaceae lentae lutescenti pellucidae juxta medium intus agglutinatae, substantia pulposo-ceracea. Capsulae tres lineas longae, ellipsoideo-elongatae vel trirrhinato-elongatae, rectae, ~~perules~~ nonnihil obliquae, erai- pro- etante coarctatae, basi in stipitem brevem attenuatae, W ^ i in-

" h M t e, «DgUudne jmt c. «. .rft». phjlli. perigo>ri .xttn
'«> aiammtotM flnurii • fen*»«lln debiaoenuw. Miw» flamentoam, quae co-
• M Z C b, TM X d C • « . ! . t t t a f « I y ^ * ^ 2
«cle inwrna obwgulur, Inraatlgallo nlicroaoopli. oa>nd.t MI flsiulo, poll.naceaa
Wbmlmt, JZ timpllc... - Spar>.pl>r« madio y.T.» b.flda, ad margmâ.
ttmpmm Mmtaibn co*glob.tl. orebri. fiwiformlbuâ reotia w| ahquantum corrn
•">«asa. taMgumamatt atoruni amptaiD, man*r<naceum, .nbdiaphanum, wnuiaaimt
1H.

- s| **irmlitc 1** snatum, nucleum minuium obo\oideum, cujus slomi ad ex'liemitem m-
fonoiem juxta hilum esl positum, mcdio fo\ens
- 3 P (*Scalpellioichi*^) SCALPELLihORMIS 1 c p 45 11 lab 194 fig 4 et lab 200 C —
Ciulibus hsucnlalis, folns cqminlibii? lirmnbus acutis, spicis lerminalibus flexuosis
folium ariacqmntibus, pongomi phyllis extenonbus ultra medium connatis intenonbus
obovaio **spiihulaiis** obtusis hbellolmean-oblongo, obiuo, imi biaunculato —Habitat
turn in Moluccis turn in oia Gumone Novae inter occident/n el meridiem sita caespis
instar coiliccm vrtustaiuin aiborum incolens, ibique i7ippplius invenlus Nunc an
reveta a / *cuHiata* Lindl Oich **234** specie diflent, dijudicnrc non aucleo quod non
nisi accurdiis>ime exploranda fabnca florum Illius phntie a Walhch V Cl in Napalia
ropertae dccemi potent

1490^ APPESTDICUIiA *Blume*

(LO 227 - Ulume, Rumphia IV 46 — Blum Bijdr fl Ned Ind 29? fig XL — Rchb
01 in Wlprs Ann 1 791 — *Metachilum* Lindl Orch 74)

Pengonn conniventis phylla extenora basi subcohaerentia, lateralia ungui gYnoslemii longe producto oblique adnata, calcar obtusum aemulantia, intenor.) minoia LabUturn une:iii g>nostemu late affixum \el connatum, sessile, concavim, basi appendiculalum, vel maigine elevato cinclum, Jimbo indivi^o vcl sublobalo G\nostemium breve, apice in lostcllum c margin a turn altenuitum Pollmia 8, ran^sime 6 v 4 , clavatu caiidicnhs duabus membranacci^ iednacuo (s glandulae) com muni obloniro \el subiolundo anixa — Heibae Aichipelagi India et Molucarum, tpiphytae eimplicicaules, rarms ramosae. folns distichis, utplurimum membranaceis, torsionc obliquis, pedunculis spicato-multiflons lanusve sohtarns.

- 1 A PENICILLATA Blumo, Rumphia IV 46 f 1 195 flg 4 fit tab 200 D — Caulibus simplicibus teietibus, **folns** linean-lanceolalis retuso-mucronatis, spicis terminahbus solliams gemimsve, folio brvionbus, labelli supra basin appendicc uncinata pemcillaia, limbo ovato acuto submciassalo — Habitat in truncis aiborum vetustis in **ora** Guineas N<5\oe inter austrum et occidentem sita, in pago Lobo, ubi quaedam ejus exempla collegit divus *Zippelu**, qu^e primum ab *A pendula* nosiia non diverse putabam Hue voro longe minoi est, spicis gaudet bievionbus, ac praesertim peculiar! labelli conformjuone insigmlur In *A pendula* labellum supra basin margine carnoso cingitui, hie autem in nostra specie cornitur appendix carnosa penicilliformis hamo^a, e conjunciione duarum enstarum limbum versus ascendentium onunda **Simili** fere confotmaione labelli gaudet *A alba*, quacum alns quoque rebus congruit, nisi quod ilia quoque ommno procenor ct limbus labelli obtusatus est

1493 AERIDES *Lour.*

(LO 238 — Blume, Mus bot Lugd Bat 112 — Rcljb. ft I in Wlpris Ann I p. 791)

Perigonn patentis phylla subacquaha, extenora lateralia basi obhqua* ungui gynostemii adnata Labellum maximum, ungui gynostemni continuum, reclinalum calcaratum, cucullato-tnlobum Gynostemium in ovario recumbens, breve, apterum, ima in unguem longum protensum, rosteH^o supra stigma prommenle, emarginato. Anthera termmalis, biloculans. Pollmia 2, subglobosa, postice oblique biloba, caudiculae angustae mem* branaceae in rostello dilatato replicatae annexa. — Herbae Asiae tropical

epiphytae caulescentes, simplices vel subramosae, radicanes, glabrae, foliis distichis, conatis vel subcarnosis, lonformibus, apice oblique emarginatis, foliis iacemosis, speciosis, albidis, rosei* vel e violaceo purpureis, odoratissimis Blume, Rumphia IV p 53 Genus hoc multo restrictius^e islino, quam V Doct Lindley, qui *Dendrocollam* ei adjungit Duae stirpes hie descuptae, in Bijdi Fl Ned Ind meis non commemoratae, illorum fabnea exacte cum 4 *odor at o* Lour, quod lypum hujus generis offeit, con_oruunt

1 A PLIIDUM Blume 1 c no 264 — Folis carnosis rigidis canaliculatis oblique emarginatis, mior lobos mucronatis, racemis ascendentibus foliis longioribus multifloris pinguibus phyllis obovato oblongis obtusis, labelli cucullati lobis lateralibus retusis in medio cuneato subulobis ensis, calcarum comae incurva — Blume Cent PI nov el in Rumphia IV p 53 tab 192 fig 3 el tab 19? A — In insula Timor in arboribus

I A SUAVEOLENS Blume 1 c no 265 — Folis conatis rigidis subcanaliculatis, oblique emarginatis, racemis nutantibus foliis longioribus "multifloris, pinguibus phyllis obovatis, obtusis, labelli cucullati lobis lateralibus obtusis vel truncatis, in medio lanceolato, superne obsolete denticulato, calcarum comae incurva — Blume Cent PI nov el in Rumphia IV p 53 tab 193 fig 1 — Cum vanelate sequenti in piov Javae octidennibus ab incolens

(S *wens* foliis latioribus, labelli lobo intermedio elongato, superne eroso-denticulato — *Aerides virens* Lindl Misc Bot Reg (1843) 48 el Bol Reg (1844) lab 41 c ic

Obs Gontra ill Lindley non \ult, *Aerides virens* hue referre Cf Lindl St Paxt Flow gard II p 143' (Icon add Paxt Mag of bot XIV 197)

t Icon addenda.

A GRISPUM Lindl - Van Houtte, Flore des seiers V lab 438

1494 SCHOELTFOURCHIS Blume

(LO 243 — Blume, Rumphia IV 51)

Pinguibus connatis phylla libera, extensa majora Labellum sessile, basi gynostemium -trifidum, saccatum vel calcaratum, limbo erecto vel patente, medio Gynostemium breviusculum, seinitus, supra stigma basi excavatum in lobum bicornem protractum Anthera terminalis, complete biloculans, apice assurgente rostello applicatum Pollinia 2, Slobosa, dorso sulco exusa, caudiculae elongatae angustae retrofractae annexa — Heibae Archipelagi Indici epiphytae, caulescentibus glabrae caulibus simplicibus vel subramosis, teretibus, foliis sessilibus, linearibus vel subulatis, canosis, spicis simplicibus vel lamosis, lobis parvulis, hinc albidis

¹ SCH JUNCIFOLIA Blume 1 c tab 193 fig 3 el tab 198 B - Folis elongato-subulatis, spicis inirafoliaceis simplicibus, labelli calcarum mucronato — Ulum Bijdr — Habitat in sylvis montanis Javae aliarumque insularum Archipelagi Indici in arboribus

1498 A]¥GBAECritt *Thouars.*(LO 245 — Rchb (ll in Wlprs Ann I p 791 — *Dendiobium* Hochst et*.Richard)

- 1 A SCLLOWII Rchbch 01 Lmnaea XXII p 857 — Gaulescens caule volubili, folus lanceohtis pugiomformibus cnsis brevibus, ndicibus vehitis cnsis elongilis, spicis tenuibu^ — 11-flons, radicibflt oppositis, bracteis ovatis ncutis, margine cellulis pio-mmulis micioscopice denticulatis, peiigonu phyllis exlerms lanceolatis aculis, peugQ; mi phyllis lateralibus interms lineanbus aculis, labello ovali, antice acuto, cnlcan Tabelli lamina sublongiore divancaio recto — Habitat in Biasilia
- 2 A WEIGELTI Rchbch fil I c p 857 — Caulescens, radicibus velatis funiformibus intucatis obsuum pedunculis productis papillis plunmis aculis obsili*, muluflores, biacleis ovatis aculis, flonbus minulis, pengonu phyllis 5 ovatis acutis, iabello oblongo, acuto, calcenn cylindraceo, apice inflato, cum labello apice subparollelo, androclinio mcmbianaceo bialato — Affine A *lasaolae* Lndl — Habitat in Sunuam
- 3 A SfhIEDEI Rchbch fil 1 c p 857 — Caulescens elongatum subflexuosum radicibus velatis cnsis, obiusis, foliorum vagims validis nervosis, folus oblongis acutis bievibus, spicis multiflonsascendentibus pamfloris, bracteis ovatis acutis denticulatis, pengonu phyllis 5 lanceolatis aculis, labello late transverse* tnlobo, lobo medio producto, acuminato (apice nunc bifldo), lobis lateralibus acutis, laiis, calcari saccato incurvo, brevi, labelli lamina brevior — Affine A *micianlho* Lndl — Habiiat in Mexico
- 4 A POEPPIGII Rchbch 1 c p 858 — Gaulescens caul/bus vagims nervosis foliorum decisorum obtectis radicibus velads funiformibus, nunc ramosis, spicis pnrvis, mine gemmis, 7—8 flotis, rhachi crassa, bracteis ovatis acutis, pengonu phyllis 5 oblongis, acutis subaequalibus, labello ovato, antice obtuse tnlobo, cornu cum labello rectangulo obtuso, ovarn dimidium aequante — Affine A *aphyllo* Th — Habitat in insula Cuba
- 5 A GUYOMAMJM Rchbch ill I c p 865 — Gaulescens, rndicibus velatis crossissimis dense obsitum laccmis gnuilimis radicibus bre\ionbus multifloris, bracleis hyalmis ovato-cuspidntis, floubus lijnlinis, pengonu phyllis 5 lanceolatis aculis, labello oblongo obtuso nunc ipicuhlo, imo subtulobo, calcari subacquilongo filiformi subaculo — , *MimocoeUa'* Hochst Sect I — Habitat in Abyssinia Hue & ACCOLABIUM RADICOSUM A Rielnrd Tent llor Abyss II 285 — Farasilicum caudice repente bievi, ladicibus numtrosissimis, teretibus, longissimis undique obtecto, scapis gracilibusplu-iibus bjunciahbus aphjlli^, e gemma terminal), squamis imbricaus scanosiscomposite nascentibus, flonbus resupmatis minimis racemum simplicem cftormnntibus, palhde Juifis, sepalis trectis, elliptico-lanceolatis, acutis, mleinis (petalls) subconformibus, obtusis, labello basi calcarato, scmicanaliculato, mtegro, oblongo, apice lecurvo, gjnostflmio brevissimo — *Angiaecum globulosum* Hochst mss PI Abyss Schimp Sect IH no 1565 — *Miaocotha'* *taemophyllum* Hochst mss.J^c — Habitat supra arborum veir^tarum corticem in Abjssinae prov Chire

Obs Planta ob teneinmos flores difficillime exiloranda Flores mlnuti Gynostemum brevissimum, humile Androclimum immarginatum uinnque alatum, ala in margins descendente A rostello dependent supra foveam stigmaticam duo processus membrflna-cei obtuse tnanguli uti in *Angiaeco fUnah* Lmdl Anthera oblonga, antice in lamina¹¹¹ oblongam obtusam dilatata Pollinia duo Caudicula solitana * — (gemmae?) semp^ unam iintum obiinui at puto dms adesse ob geminos illos processus rostellares. "^^ Organa is^ i m *Angfaecis*, quod baud ita aicte cohaerenl, difBcillima exploratu, corneljj antrorsum angustata Glandula (glandulae') parva, flava

6. A. SCHIMPERIANUM Rebbch. fl. mss. — Caule elongato folioso rfaJzophoro, radicibus adventitiis funjjprmibus, vaginas foliorum vetustas perforantibus; foliis oblongia, ligulatis, bilobis, lobis obtusis, inaequalibus; pedunculis tenuibus vaginas foliorum perforantibus, rncemiferis, paucifloris (4—6), basi vaginjs ochreatis acutis vaginatis; brafcteis ochreatis, acutis, membranaceis; ovariis cylindraceutis; perigonii membranaceis, basi Jioea tumida cum ovarib cohaerentibus, perigonii phjrlo supremo oblongo acuto, phyllis laieralibus externis oblongis acutis incurvis, lateralibus internis summo subaequalibus, margine inferiore obtusangulis; latallo obtuse rhombeo, transverso sessili, marginibus anterioribus denticulatis, dente^lano ante ostium calcaris a tenni ha si clavati, acuti, labello longioris; gynostemio crafco, abbreviato, rostello trilobo. — Flores illos *Angraeci pellucidi* subaequant. Schimp. in Abyss. Sect. II. no. 1318. — "*Jendrobium*" (Hochst. certe—! I). Hue: DENDR. SCHIMPERIANUM A. Richard I. c. p. 282. — Gaule longissimo repente, foliis alternis et fibris radicalibus intermixtis vestitoi foliis vaginantibus elliptico - lanceolatis, apice inaequaliter bilobis, lobis inaequalibus obtusis; racemo laterali subquadrifloro foliis brevior. . .; fructibus ovoideis tricostatis, basi attenuatis glabris. — (n. 1318.) — Habitat in arboribus parasiticum, locis sylvaticis opacis montis Taber, prope Gerar in Abyssinia.

t Ieones addenda*.

- A. CAUDATUM Lindl. — Hook. Bot. Mag. 4370.
 A. CONCHIFERUM Lndl. — Rebbch. fl. Orch. Eur. tab. 3. flg. 39—43.
 A. VIRENS Lindl. - Paxt. ft Lindl. Flow. gard. I. 25. fig. 9. 10.

Obs. Hujus generis est——*Dendrobium* (?) *brachycarpum* A. Rich., quod eodera jure macrocarpum dici potuisset. Dixi ease ejusdem generis, cum similliinam plaotam teneam floridam, et cum planiae Schiinperianae gynostemium in apice fructus unum quemque orchidearum paululum experlem hominem docere debeat, bic non esse de. . . *Denirobio* dicendum. Molo tamen nomen meum apponere plantae, quae perigonii partibus iQOogni-¹ss omnino non nominanda fuisset. Addo tqntum „diagnosin": DENDRODIUM (?) BRACHYCARPUM A. Richard, Tent. flor. Ahysin. II. 282. — Caudice repente; foliis ap-Proximatiss alternis distichis obovali-oblongis, apice latioribus, profunde bilobis, lobis objusissimis, inaequalibus, coriaceis, longiludinaliter yenosis, basi sensim angustatis; acapo 'aterali nudo, palmarj, simplici; flóribus 4—5 racemosis; bracteis amplexicaulibus, Jbrevibus, °biusjssimis, subcyathiformibus*; fructibus teretibus, snbobtuse in gots, 2'A—3 uncias •ongis; calcaris saepius persistente giacili, 2—3 uncias longo cum sepalis marcescentibus coronato. — *Dendrobium* . . . Hochst. Pl. Schimp. Abyas. II. no. 1314. — Habitat in vallibus sylvaticis prov. subalpinae Wogera Abyssiniae.

1501. CALIAWTHE A. Br.

(LO. 239. — Rchb. fl. in Wlprs. Ann. I. p. 792.)

- * 'C. MASUCA Lindl. — Hook. Bot. Mag. t. 4541. .
 2- 'C MEXICANA Rchb. fl. — Rchb. fl. Orch. Eur. tab. 3. flg. 5. 6. 7.
 3* 'C. VESTITA Wall. - Paxt. Mag. of bot. XVI. 129. (c. ic.)

Subordo IV. *OPMJRIDEIJB.*1507. ORCHIS *Linn.*

(LO. 258. - Rchb. fl. in Wlprs. Ann. I. 793.)

Prodo seriem specierum ex Orchidiographia mea Europaea in hoc et sequentibus generibus Europaeis. Addere quidem debeo descriptiones quasdam specierum nuper confectarum non sincerarum.

Herorchis.

Papilionaceae.

1. '0. PAPILIONACEA L. - Rchb. fl. Orch. Eur. t. 10. 155.

Moriones.

2. *(). MORIO L. - Rchb. fl. 1. c. t. 11. 150.
 var. *picta* Rchb. fl. — Rchb. fl. 1. c. t. 13.
 var. *centromelana* Rchb. fl. 1. c. p. 182. — Labelli linea media alropurpurea usque ad apicem lobi medii. Pulchra, valde mira planta. Ab *O. longicornu* calcari recedit.
3. 0. GENNARH Rchb. fl. 1. c. p. 172. lab. 168. — Galea obtusa, abbreviatn; labello iramaculato, trnnsverso, basi cuneato, apice trilobo, lobis lateralibus rolundatis, medio acuto subobsoleto, calcari cylindraceo, apicc subnrquali, ovario breviori. — Color, contextus, habitus *Orchidis papilionaceae*, spica densior, characteres plurimi *Orchidis Morionis*. Bractee pulchre purpurcae, trinerviae, ovaria infeiora adaequant. Color laete purpureus uli in *Orchide papilionacca*. Ut characterem anifficalem habeas, opus videtur addere labellum irnmaculatum (lobum medium obsoleti.m). Ita in libris distinguatur, ipsa plania a nomine nee cum hac, nee cum ilia conjungitur. Cum cl. Genari eam sine dubio pro hybrida prole habeo. — Liguria.
4. '0. LONGICORNU Poir. - Rchb. fl. 1. I. c. 12. 13. 155.
5. 0. BORYI Rchbch. fl. 1. cit. pag. 19. — Galea obiusa brevi; labello trilobo, lobo medio producto, reluso, calcari fliliformi, apice nunc subclavato. — Prope omnia (*h^mchi^mdis Morionis polyphyllae*: ultra pedalis, diflért am em paucis bonisque notis; bractee omnes sum ovatae seu oblongae acutiussulae, perigonii phylla lateralia interna ellip^stica seu ovata obtusa; labellum trilobum crenulatum, tebo medio producto, nunc retuso, calcar fliliforme, apice nunc clavatum; processus rosiellaris amice non excavatus *gi* quod maximum habeo, seminum testa fibrilis spiralis reticulatis ornaia. Quod nisi it^s esset, posset haberi pro *O. Hoslii* perigonio exlerno galeato. *Orchis Hoslii* autein cellulas in seminibus habet hynlinas. — Graecia. — 1. c. lab. 151.

• Comperiana.

6. -0. COMPERIANA Stev. - Rchb. III. I. c. 1. 158.- Hue: COMPEJUA C.Koch, ^{^ ilin8!£} XXII. 287. — Sepala ma exteriora connata, galeam nferentia, duo iniora lline<n<n

inclusa, lahium rhomhoideum, angulis lateralibus in lacimis filiformibus elongatis excurrentibus, angulo supremo contra bifido lacinis illas aequantibus, anthera tota nuda, loculis parallelis, mense pollinane lobulatae pedicellatae, basi bursicula communi tectae — C TAURICA C Koch I c 288 — *Orchis Compenana* Slev — Crescit in Cbesoneso TIUMCO

Mihtares.

a *Longibi acleatata*

- ^**O CORIOPHORA Linn — Rchb fil 1 c tab 15
 b *Polhmana* Poll — Rchb fil 1 c tab 14
 c *sancla* Rchb fil I c p 173 tab 14 9 — L (belli segmentis lateralibus grosse serratis — *0 sancla* I inn Sp pi Fd II 1330 — *0 sancla* D Urv Soc Lin Paris I 376 — *0 UntUana* Sleud Nomencl
 b -0 GIMIFINA Brehissm — Rchb fil I c tab 15?
 9 0 USTULATA Linn - Rchb fil 1 c tab 16
 10 *O TRIDHNTATA Scop
 a *vaucgata* Rchb fil 1 c tab 19 153
 P *commutata* Rchb fil 1 c lab 19
 Y *toctm* Rchb fil 1 c tab 18 19 155

b *Bi embracleatae*

- 11 *O PUNCTULATA Ste\ — Rchb fil 1 c 17 150
 var *sepulchris* Rchb fil 1 c 155 — *0 lepulchris* Bois« ft Heldr mss
 12 *O SIMIA Lim — Rchb fil 1 c tab 21 *
 var *Deychn* Rchb fil 1 c lab 153
 13 0 STFVENI Rchb fil in v Mohl & Schlichtd U Z 1849 893 ft Qrcb Eur pag 29 et lab 29 — Galea acuta elongate labelli trifido lacimis lateralibus lmeanbus obtusis abbreviatis, media apicebiciun denticulo minuto inierjecto, ciunbus lacimis lateralibus brevionibus, papillis in lacima labelli media usque ad ciura atque in basi lacimarum, labello gtleae aequali — Caucasus — Rchb fil Orch Eur p 174 — Nunc tamen suspicor, ebse vanetatem meram *Orchidis Simiae* longigalealam aliterque papillatam Accepi emm nuper eandem Gall, Auch Irat • Calabria Gussone!
 14 0 SPURIA Rchb fil 1 c p 891 ft I c p 29 tab 22 — Galen obtusiuscula abbreviata, labello mox pendulo, trifido, lacimis lateralibus lmeanbus obtusis, media late linean apice biloba, lobis late lmeanbus obtusis c denticulo mterjecto, callis 2 magnis in labelli basi, fasciculis papillarum nonnullis per medium, calcan conico brevissimo — Helvetia, Mullheim Bad
 15 '0 MILITARIS Huds - Rchb fil Orch Eur t 24 161
 16 '0 PURPUREA Huds — (*0 fuca* Jacq) - Rchb fil 1 c tab 26 150 160
 var *stenoloba* Coss Germ — Rchb fil 1 c tab 25 160

Longicrures.

- 17 *O LONGICRURIS Lmk — Rchb fil 1 c lab 23
 18 0 WELWITSCHII Rchb fil 1 c p 183 — Galea prope semiglobosa, acuta, labello elongato trifido, lacimis lateralibus lineanbus, lacima media elongate bifida cum dente

interjecto, 9egmenti9 late lineanbus, Inneffis 2 quadrati9 in basi labelltt; calcari didymo brevissitto — 0 *Simia* var *Welwitsch* in litt — Plama robusta prope pedalis Tubendia oblonga Radices adveitituae filiformes elongatic faults leretiustilos, stricusimus Vaginae hyalinae, retusae Folia approximate 5 in lamina obloqpas acuiia, basj cuncaias dilataia, supenora 3 vaginamia, summum squflmaeforme Splc£ capitate, tlensifloia Dractae lanceolatae, acutae, urn-, nunc subirmerviae Ovarium cylmdraecum lorium Phylla externa oblonga, flcuta, vmdia, nervis et marginibus airopurpureis, phylla lateralia interna ligulata, acuta (viridia⁹, labellum pallide purpureum?) — Similis forsani 0 *Divontanae*, quae 0 *Simipe* afflmoi videtur ob labellum, dum braciis elongaus recedit Umbrosa haec forsani forma 0 *Stmiue*? Oninino nostra hybrnda videtur inter *Aceiatem anthropophoram* atque *Oichidem longicrwem* •—Lusitanip,

Iberica

- 19 O ANGUSTIFOLIA M B - Rchb fil I c tab 56 154 155 — Hue 0 TENWFOLIA (Koch, Linnaea XXII 281 f — Tuberculura bifidum ejus paries ex apice 2—9 radiculis (liformibus instiuctae, caulis pedalis, ex basi tunicis tribus aphyllis inclusus, ex parie mfenoi foliis sessilibua angu&te ellipiicis in peliolum quasi auenualis ereclis voaiilus, ex parle superior! foliis bracleiforraibus 2 aut 1 obsitus, bractae lanceolatae, 3—5-neives, reticulato-venosae llonbus longiores palentes, spica breviler oblonga sub-12-floia rubia, germen patenti-cuivauium, calcari ascendente multo longius, sepala inter se aequalia, laieraha reflexa — Crescit propp Elisabethopohn — 0 LEPTOPIHYLLA G Koch I c 282 f — Tuberculum elongatum, efapice interdum bilobum, folia sub -4, distanlia, sublineana, mferuin latins quiclem, sed etiam brevius quam secundum, supremum biacleaeforme, bractae paiemes, mncives, inconspicue reticulaio-veno8ae, vix floiem aequantes, labellum ad basin subito attenuatum, ad apicem laium trilobum, lobo medio muho angusiou, ovato-deltaideum, calcar descendens curvauium, germme duplo brevius, sepala in galeam commvenlia — Grescu in Caucaso locis elatis paludosis

P *laxa*

Y- *longifoha*

Androrchis

Globosae

- A) ' 0. GLOHOSA L - Hclib fil Orch Eur tab 29 155
21 *0 SPHAERICA M B - Rchb fil I c t 28 155

Saccata

- 22 ^aO SACCATA Ten — Rchb fil I c t 30

Masculae.

Masculae verae

- 23 *0 PATENS Desf
a *Fontanem* Rchb fil I c t 32
b *brevicornis*
«• *genwna* Rchb fil I c 1 32
£.? *fallax* De Not - Rchb fil I c t 15?

- c *Canaiensis*
 a *ijenuma* Rthl. fl. I c t 33
 P *oucnlalis* Rchb. fil 1 c I 33.
- 24 '0 SPITZRLII Sauter. — Rchb. fil. I c t. 31
- #. *0 MASCULA L.
 a *qenumn* Rchb fil I c I 38
 b *sptciosa* Koch — Rchb fil 1 c t. 39
 c *obtwiiflout* Koch — Rchb fil I r t 38
 d *Slain ana* Rchb. fil I c t 39
26. '0 PALI TINS L - Rchb fil I c t 34 157
 \ai *pscudopallens* Rchb fil I c t 157
- ^7 0 PROVINCIALIS Dalb - Rchb fil I c I 35 157
 \ai *patiLifloia* Rchb — Rchh fil 1 c t }a -
- & '0 QUADRIPUNCTATA Ten - Kdib fil I c t 156
 vai *Cupam* Rchb fil I c t 160
- to '0 ANATOLIA Roi*s - Rchb fil 1 c I 37

*Masculae palush cs**

- 30 '0 PALUSTRIS Jacq — Rchb fil I c t 40
- Jl '0 LAXIFLORA Lnm — Rchb fil I c t 41 159
- 3^ o MORIO-IAKIFLORA Reut — Rchb fil I c p 50 I 41 — Foliis linenn - lanceotis nbbic\mtis, spica donsiuscula, Inbello subnequ iliter lulobo, colcari ovono dimilio propc breviorc hon\ontnlilu compresso — Piaecedcnus vanctnti bievifohae similinn, scd spied densiore peugonii phyllis 5 bieuonbus el calcari breviorc horfzontahtei tompres^o, apico obtuse saccato foisau dislinguonda Labollum baud ita inullum ezccellit, bnsi csl laic cuneatum lobi lalcriles obtuse lhombci, intermedium Inlus, retusus, nunc cmnginnius — Fioies quam m 0 *laxifloia* mmoies — Genevae
- 33 '0 PARVIFLORA Chaubaid - Rchb fil I c t 160

Pauciflora.

- 34 0 PAUCIFLORA FischPi — Rchb fil 1 c p 175 t 170 — Tubendns sphaencis minulis, caule giacili bifolio, folns lanceolatis acutis subsessilibus; bracteis lanceolnUs fvana excedenubus herbacei*, spica biflora, labelli lobo modio productio retuso, lateralibus pi ope reclangulis, cdcnie c\lindraco ovanum aequante — *Gymnadema pauciflora* Lndl Oich 280 — Dahua

Latilohae.

- 35 '0 INCARNATA L
 1 I VhRAE a *lanceata* Rchb fil 1 c tab 45 46. 44 aa. *lanceata Fraasu* Rchb fil I c tab. 164 b *fohosa* Rchb fil I c t 163 49 c *angustifoha* Hchb fil 1 c t 42
 2 I SUBLATIFOLIAE a *bievicalcai atae* aa »*hombedabxa aa oglossa* Rchb fil 1 c t 47 fig 43 bb *ihombeilabia oiuenla* Rchb fil 1 c t 43. cc *tnloba lelusa* Rchb fil 1 c t 163 dd *tujuica* Rchb fil I c t 47 b *sesquipedals* aa *genuina* Rchb. fil I c t 48 bb. *Alga tea* Rchb fil 1 c t 44 cc *Altaica* Bchb til 1 c t 53 c? *KoUchyi* Rchb fil I c t iSi

36 - 0 LATIFOLIA L

- 1 L VERAEE aa *latifolia* Rchbch #1 J c 50 bb *brevifolia* Rchb fil I c 51 cc *lagotis* Rchb fil I c 51 dd *Thauidma* Rchb fil I c 51
- 2 L INCARNATAE a *Lappmca* aa wa Rchb fil I c lab 53 bb *dunensis* Rchb fil I c tab 164 b *suhmcmnata* Rchb fil I c 52 c *elata* Rchb fil I c 163 (I *fohosa* Rchb fil I c tab 49 e *uncviatu* Rchb fil I c > 176 tab 170 — Perigonii phyllis quincq installs, labello tnlobo, lohis laleialibus rolundalis, bi — iridenittis, sen aculis (unidenttis), Iobo modio pioducto acuminalo, apicc inflexo seu leflexo, calcan cylindraceo, incurvo, ovaru dimidium aequante — Kimtsclntka
- 3 L SUBSAMBUCINAL a *Beenngiana* Rchb fil tab 58 b *coidigeui* aa *genuma* Re hi) fil tab 59 bb *Vlytlu* Rchb fil tab 59
- 4 L SUBMAGUI ATA Rchb fil I c 51 Hue 0 TRIPHYLLAC Koch, I mnaea XXH 283 f — Tuberculum biAdum, caulis tx basi ascendens tnpbjllus, lubulosus, folia distantia, inflmum vagina longiou piaedilum oblongum, medium oblongo-lanccolntum, lehquis duobus multo minus, biacicae Innccolatie 3—5 - norves reiiculalo - venosae, infonoics sohc flonbus longioie* spica infine disnns tacterum laxiuscula labellum laiissimum tnlobum crenulalum — Afflnis 0 *maculalae* L̄, differt caule flsluloso — Ciescit in Asia minorc, in distr Risi — 0 AFHNIS C Koch I c 284 — Ttiberculum angustum bifldum, caulis 4—6-phyllus flstulosus, folia ad apicem usque aequidistantia patula, plurinertra, neivis aequo conspjeujs, infcnora latiora, angusle oblonga, supenora linean-lanceolata, decrescenlia sessilia, bracteae lanceolatae, infene plerumque horizontales, letusac, patentes, omnes flonhus majoies, spica infine laxiuscula, labellum laium, crenulatum, tnlobum Iobo medio angustion, oblongo, calcari inflato et genuine aequilongo minus

37 * 0 PSEUDOSAMBUCINA Ten — Rchb fil I c 61 62

var *fasciculata* Rchb hi I c 176 tab 167 — Labelli tnlobi liansiersi abbreviati Iobo medio subobsolelo, calcan crasso cylindracoo ovano bicvioie — 0 *fasciculata* Tineo in Guss Sic II 875

0 (*Maicula*) FLAVESCENS G Koch, Linnca XXH 281 — Tubeiculum m apice bilobum, folia ex In si caulinn appioximato, anguslt oblonga, in petiolum dimidio brevioitm atlenuala inferis execptis sessiha acutiuscuh reliqua di&tantiora, etiam sessilia lineana patula tut erecta, bracteae oblongo-lanceolatae aut lanceolatno, subtiliter serruliat, duplo germme longioies, 3—5-neives, reticuhto-venosae, flores flavescences, labellum tulobum aequilongum ac la turn, Iobo medio brevi, sed laterahbus altion, longitudine germmis ab initio curvati et dimidiae biacteic — Crescit in **Caucaso**

38 '0 SAMUUCINA L — Rchb fil I c t 60 flg 160

39 '0 MACULA! A I, —1 *genuma* Rchb fil I c lab 55 50 Hue 0 DILRMANf Ortmann, Dot Zeit VIII p 738 — Caule solulo, lubenbus palmatilldis, labello piano tnlobo, Iobo medio minore obtusiusculo mtegio, lobis laleralibus crenulalis, petals lateialibus ascndeniiibus inteiiionbus comventibus, ovano multo minore calcan cylindraceo, biactois omnibus ovano longionbus nervosis nee reticulatis, flonbus al* bis, Iobo medio picto punttis dilute violaceis m stnas disposals; loins non maculate oblongo-lanceolaiis paientibus sex pallide vindibus — Habitat ID Bohemia (be1 Karlsbad)

2 *budehca* Rchb fil I c tab 56 54 — 3 *Meyert* Rchb fil I c t 164 54 — *• *elo&es* Rchb fil I c 1 54 - 5 *saccigcia* Rchb fil I c t 57 Hue 0 LANCIBRA* CTEATA Koch I c 284 — Folia caulis flstulosi crebra, patulo - erecta, infenora **ol>ii** longa, supenora non vagmantia, lanceolata, br acteae lanceolatae, inferiores flore pa<

duplo longiores, plurinerves, venosae, lobium trilobum, lobis lateralibus subquadratis, crenulatis, intermedio lanceolato multo latioribus, calcar inflato aequilongum, sed genuine inflato brevius, sepala duo exteriora potentia, denique reflexa, [reliquit rajora. — Armenia.

1509. OTMGSTADEMA R. Br.

(LO. 275.)

Neottianthe.

1. 'G. CUGULLATA Rich. — Rchb. fl. Orch. Eur. t. 66.

Eugymnadenia.

Leucorchis.

2. * G. ALUIDA Rich. - Rchb. fl. 1. c. t. 67.
3. ' G. FRIWALDII Hampe. - Rchb. fl. 1. c. t. 68.

Pleuradenia.

4. * G. ODORATISSIMA Rich. — Rchb. fl. 1. c. t. 69.
var. *heteroglossa* Rchb. fl. 1. c. t. 69.
var. *ecalcarata* Rchb. fl. I. c. l. 166.
5. ' G. CONOPSEA R. Br. — Rchb. fl. 1. c. t. 70. n. *inodora* Rchb. HL I. c. l. 71. b. *Sibirica* Rchb. fl. I. c. t. 73. c. *platyphylla* Rchb. fl. I. c. t. 166. d. *clavata* Rchb. fl. 1. c. tab. 166. e. *densiflora* Rchb. fl. I. c. t. 72. fig. 166. f. *comigera* Rchb. fl. 1. c. lab. 71.

1509₁. DEROE3TERA Rchb. fl.

(Rchb. fl. in: De pollinibus Orchidearum genesi ac structura et de Orchideis in artem ac systema redigendis. Scholia p. 29.)

Perigonium ac ovarium Herminii; labellum sacculo - calcaratum. Antherae loculi paralleli, ima basi attenuati, ultra rostellum limbum producti, processum rostellarem versus dehiscentes, glandulas lanceas includentes. Processus rostellaris conicus (minutissimus) inter antherae loculos. Fovea stigmatica subquadrata. Staminodia obtusata. — Genus glandulae genesi ac indole ab omnibus Ophrydeis recedens soli Perujariae affine, a qua antherarum dehiscentia, scilicet loculis latere internis dehiscentibus, nee apice apertis et a lobulis inflexis semiclausa valde recedit. Dicavi nobilissimo De Roemer, Lölhainensi ac Neumarkensi, huius thesaurorum botanicorum usum magna cum humanitate mihi concessit.

1. ^E. SQUAMATA Rchb. fl. I. c. — *Spiranthes Abyssinica* Hochst. mss. in Schitnp. Pl. Abyss. *sicc. Pi. Abyss. Ser. II. 982. — *Peristylus Abyssinicus* Hochst. mss. 1. c. 1164. et in * Rich. Tent. fl. Abyss. II. 289. — Plantula 5-6-pollicaris. Tubercula oblonga. Foliorum & angustorum vestigia in basi caulis floridi, a medio spicam usque dense squamati. Squamae lanceolatae cuspidatae. Spica cylindracea, densiflora, pluriflora. Bractae lan-

ccolatae cu<pidnlae ovana aequontes sen superante* Per/gon/i phjlla exUMna tmn gula intorna latenlio a cunoi tn ba>i dilatata, rctusn obtus-ingula F nbellum simile nunr ipicc obtuse 3—5-duUilum saento <nlem ilium cilcui o\im itiinm laitom icqu intt Flores all i — (icsut in Al>»s<itn te iritis ti< 10 ihus | lovmcidc Semicne — Hue *Puislylus sijuaimilus* Ilotlist PI Al j - S(lump sett II no 1164 —A Rich Tent fl Ab\ss II 289 — Ririicc biubcii uljh tnbciuilis o\oii1to-oblongis caule digitnil a| Inllo squirm-* *einiamplexicuilibus o\ nli acumin i{<> numerosis* onusto spjca loicii (hnsissim » unciali fionbus pai vulis subnml mans bnclPi¹) lenuibus o\ nh oblongit acumimtjs sopalis pallidis ippioxinnlis, su| irnio subgnmihto gl induloso ovili concavo acuto doi^o subcimiato, htenlibus (\tunis o\ III oblongis acntis | j rum concvns intemis (pot ilis) oboinlj oblongis ol UIMUSCulis hlcillo cotxn\o Inle OMIO obiusi!.simo imiici\io basi _hndulo!>o inciab^ito calcan lenuiier recuno h btllum icqu mlc subneuto — *Spanilha Unjssinua* llochst I c no ¹J8^ — Ihibil it in Ab}9>mn(piatis siccionbus pi 0Mn(no *Sempene*

1509¹/₂ nrEOTIJtnBA *lichb fil*

(Rrbb III I supra cit p 29)

F'eugormim ovariumque Orchidis Antherae locuh subparallelci, basi proiu |n j|ocessiiiiii losUllaicm anlepo^ilum, oblongum scu quadralum eiedum Glindulac nudie duae, immeisae in telain cjusdem protes- sus losiellans SljgiTjdi'» cnua c\|jndiacea a basi iniraroslellan utnn- que ascLnd(n!ia — Genus Oplirydcirum rniium, lntei genera Fuiopjea null) affinc solitanum, a> omnibus iiclonbus ad no^tios usque dies nc{.ILdun) lahone pen,onn (jr Cdcans) a c). Bi\ona Jiunjr di in hono- iem Piol lineo Panoinriil,jrn dictum *Tinea* Quod nomem cum Mt c\ anUqujs tcuiponbus genen ac Inbui F epidoptcioruin tnbulum mulandum lint Adeo aulem niuldtum est a me, ut merih*>sinn \in nomen ictme- letui —Medium quasi genus inter *Gymnadenias* alque *Disas* el *Sahria* lllarum antlieiae liouum processus icstcellans

- 1 ^ rMA(TA Rchb fil I c — Synon cf in Rchb fil Oith I ui p 2 sub *Atcutlt mtacla* Me nee glanduhm, nec cnudicuhm vidissc, distincle ibi sum professus (cf p 3 in X)) — \ceias *mtacla* Rchb fil Oich bur p 2 cl lab 148


1510. PERULtARIA *Lindl*

(10 281)

- 1 I b USCES(h NS I mdl — *Platantheia hcibwla* Lindl —Rchb hi 1 c tab 74 167

1511. MGRITEIJbA *Rich*

(I 0 281)

- 1 'N MGRA Rebb fil I t — *Satyimm mgiwn* L — (iains UKJIU Stop — Aiytifef/a ""' fl u/i/(Im Rich —Rebb fil I i lab 115
- 2 ^ SUA\r()LLNV Koch — Rebb fil Tc lab 114 — \ni * *nunoionopsea* Rchb  I c tab 161

1512 1 CERAS (R. Br) Lindl

(LO 282)

Sect EUACERAS.

- 1 *A ANTHROPOPHORA R Br — Rchb fil 1 c p 1 et tab. 5

Sect LOROGLOSSUM

- i *A LONGIBRACTEATA Rchb fil 1 c p 3 lab 27 & 149 et in H /tg 1850 p. 312
 3 'A HIRCIINA Lindl — Rchb fil 1 c p 5 et tab 7 8 161
 4 'A FORMOSA Lindl — Rchb fil 1 c p 6 et lab 6

Sect AhACAMPTIS.

- 5 'A PYRAMIDALIS Rchb fil — (*Ochis pyramidalis* L Rchb fil I c p 6 et lab 9 et 147 Hue *Anacamptis (Orchis) inchoecra* Brongn — C Koch, Linnæa XXIF 286 — *Ochis cyhndiacea*, C Koch, Linnæa XIX 12
 b A DUQUISMIRI Rchb fil Orch Fur p 171 tab 163 — Calcan cylindraceo ovanum subicquinto, lobelli lobis Interjilibus ihomhris antrorsis, lobo medio niino, 1 UCCIM 2 & upum subobolciis in bnsi — llabilu medn inler *Actuittm pyamidahm* ot (*hchidtm iialuslum*, quirum forain hjiidi Caulis elatus, sesquiped-ilis Foil t u-ictu quatuoi, lon^e vaginaia, lua supenora bievilaminata, duo ininiiln sub spien Spici oblongi densiuseculi grandillora Flores oliquid majus dolmenvi, quam appa-icnt, cum tx labelli lobis hlcic implicalis facile conjiciendum fucul, specnon stio-nuc sRcatum esse Miruin est in hoc specimme qunm disiinclo appareant nom Biaclcac lanceolalae, aculac innervne, o\ana infenora aequanles puipuic\c — Galca prope *\cciatib pyuumdahs*, lab ell urn nnjus, lalius, bisi cuiieatum, mrobum, lobi lala-i i%o ihombei medius qmdialus scu cunc\to - letusus, lamellae giminae in btsi su-jnnu subobsolelae, calcur c^lmdraceum, ovanum nequans seu superans — Lisieux in Gnllia

1515. PIATANTHERA Rich

(LO 2^o4 — Rchb fil in Wlpis Ann I p 79b)

F 111 c o r n e s

Suhiitiahs

- 1 P OIRUATA Lindl — Rchb fil 1 c lab 75
 * 'P TIPULOIDES Lirnl - Rchb fil I c lab 76
 3 'P SOLSTITIALIS v Bonnggh ^ai *laufout* Drej — Rchb fil I c lib 7b 77 — vai *densifloia* Drej — Rchb fil I c tab 76 77 — vai *patula Dii* e\ Rchb fil 1 c tab 165 - >ar *peivia* Rchb fil 1 c lab 75 7b
 4 'P MONTANA Rchb fil — *Plat chloi antha* Luslor — Rchb fil I c lab 78

Hypei boieae

- 5 P OOREALIS Rchb HI] c p 125 tab 69 — Pengonu phyllis laterahbus miernis acutis, labello ligulato, obtuse rhombico, processu rosellarii oblongo acuto, basin usque libero, inter antherae loculos allic ascendente — *Habenana boieae* v. a. *albiflora* Chamisso Linn III 1848 28 — Unalaschka
- b P HYPFKBORLA Rchb fil I c p 125 — Pengonn phyllis laterahbus interims aculiusculib, ljbello obtusangule rhombico ligulato, processu rosellarii triangulo, apice sublibero inter antherae loculorum basin — 1 *gemuna* parva, compacta pinguiculis phyllis laterahbus* iitums lanceolatis acutis, basi oblongis, unguiculatis — *Orchis hypeihoiea* L M 121 — Rchb fil I c p 126 tab 80 — 2 *ddalata* mediana, gracilior pengonu phyllis laterahbus miernis lanceolatis acutis, basi utrinque obtusangulis — *Oichn dilulala* Pursh, Fl Am sept II 588 — Rchb fil I c p U6 tab 81 — 3 *gianwua* antecedenti similis, sed multo gracilior, altior folia linealanteolila, in cinodia multo excedentia pengonu phylla longiora — Rchb fil p 126 tab 81 — Crescit in Islandia, America boreali
- 7 T COMALLARIAEFOLIA Lindl — Rchb fil I c tab 79
- 8 P DOLICHORRHIZA Rchb fil I c p 127 tab 80 — Pengonu phyllis laterahbus interims acutis, labello rhombico ligulato, processu rosellarii connatis adnoto acuminatis instir apicem usque connectivi latissimi ascendente — *Habenana boieae* P. ~~indis~~ Linnisso, Linnaei HI p ZS — *Oichis dohchoirhiza* Fisch — *Platanthera kuemgu* Lindl (3 Lindl OILII 286 — Unalaschka
- 9 *» DLGIPICLNS Lindl — Rchb fil I c tab 65

f loon addenda*

- P LEUCOPIIACA Lindl — Rchb fil Orch Eur tab 2

Crassicornes

- 10 P CHORISIANA Rchb fil I c p 128 tab 83 — *Habenana Chortiana* Chamisso, Linnaea HI 1838 31
- 11 P DIPHYLLA Rchb fil I c p 128 tab 84 — *Salyi mm dqihyllum* Lk in Scbrad Diar. 323 — *Ouhio cuidala* Willd Sp pi IV 27.
- 12 P VIRIDIS Lindl — Rchb fil I c tab 82 83
- 13 P SATYRIOIDES Rchb fil I c p 131 tab 85 — Folio basilan elongato, labelli trilobi lobo medio producto — *Oichis salyitoides* Stev Mem Mosc II 17b — ~~Pat~~ *stylus satynouiet* Rchb fil in v Mohl & v Schlechtel Dot Zeitung 1849 p 868

1517...PERISTITIUS *Blume'' auctorum*

(LO 297 — Rchb fil in Wlprs Ann I p 797)

- 1 P QUARTIMANUS A Richaid, Ann sc nat (2 Ser) XIV 265 tab 16 fig. 1 & Tent. floi Abjss ii 387. tab. 84 — Gaule erecto, foliis (saopius 4) sensum decrescens

oblongo-clipticis, acutis, sub-7-nerviis, spicis elongatis, densa, bracteis ovalibus, aculis, florum longitudinalibus, sepalo supremo elongato, lateralibus subobliquis, internodiis obovatis obtusiusculis, labello tripartito, laciniis lateralibus linearibus obtusis, intermedia longiore subspatulata, calcaris brevi incurvo obtuso — Habitat in Abyssinae montosis herbosis circa Adoua

- t* P PETITIANUS A Rirfnid 1 1 c c 26b a 288 tib 85 — Coule erpcto pedali, folus (5—6) bast vagrantibus ovali-acutis, basi subcordatis, flonibus vinctibus lacemum elongatum et tomentibus, bracteis ovali-lanceolatis, acuminate, ovano longioribus, sepalis petalisque subaequalibus ovatis obtusiusculis, labello subcamoso, Sepalis longiore, basi brevissime calcarato, trifido, lacinia media brevior, semina, acuta, lateralibus longioribus, angustis, obtusis — In Abyssinae piopo Adoua
- 3 P ARACHNOIDUS A Richnrd 1 1 c c 26? & 289 — Foliis ad basin caulis bimis imbricatis, superpositis ovibus obtusiusculis leni-membranaceis, reticulato-venosis, longe pilosis caule palmarum nudo piloso, spicis brevi subspiralibus paucifloris, bracteis lanceolatis acutis ovarium aequantibus sepalis exterioribus in galeam approximatis, ovalibus, obtusis, internodiis oblongo-lanceolatis, in parte superiore incrassato-carnosis, labello carnoso, basi concavo, apice trifido, laciniis linearibus aequalibus, calcaris brevi subconico membranaceo, ovano longe piloso — "Habitat in Abyssinae locis herbosis montis Selleuda prope Adoua

1525. HABEVARIA Swartz

(LO 306 — Rchb fil in Wlprs Annal | 797)

§ 1. Pongon phylla lateralia interna 2—3-fida

A. *Africanæ*

- ¹ H SIMONSIS Rchb fil Linnaen XXII pag 859 — Spica densiflora, perigonum phyllo externo supremo lanceolato, aculo, ternis, lateralibus ovatis, acutis obliquis, 5-nerviis, supremum supernatis, perigonum phyllis lateralibus internodiis bipartitis, partitione superiore innata, acuta, inferius biloba, lobis acutis, labello pendulo tripartito, partibus lateralibus linearibus acutis, media ligulata, apicem versus latiore, apice externum obtuse trilobulatum, calcaris ciliato-obtusum, ovario brevior, antherae loculis varicatis, canaliculis caudicibus porrectis incurvis, stigmatibus brachis apice retusis brevibus — Habitat in Abyssinia
- ² H CERATOPCTALA A Richard, fent floi Abyss II 295 tab 88 ft Ann sc nat (2^{sa}) XIV 267 tab 16 fig 4 — Caule sesquipedali, folus caulibus saepius 3, duobus inferioribus approximalibus ellipticis, acutis, spicis longioribus, bracteis elliptico-lanceolatis acutis, ovano aequantibus, sepalo supremo apice subgaleato, acuminate, angusto, lateralibus dependentibus obliquis, acuminate, longe inaequalibus, inferioribus linearibus acutis membranaceis, sepalo supremo approximatis, antice ad basin appendice crassa, linearibus, subulata exserta longiore, spiriter contorta acutis, labello porrecto, laciniis submembranaceis lanceolato-linearibus acutis aequilongis, calcaris ovum superante apice inflato — Habitat in Abyssinae montosis circa Adoua
- ³ H SCHIMPERIANA Hochst I c no 1210 - A Rich Tent fl Abyss II 295 — Caule erecto, circiter sesquipedali, folus caulibus lanceolatis acutis, vagrantibus, ad partem superiorem sensim decrescentibus et in bracteis mutatis flonibus vinctibus racemosis longissime pedunculatis, pedunculo versus basin sensim incrassato, ovarium superante, in medio curvato, bracteis lanceolatis, acutissimis, ad mediam pedun-

- colorumpaitcinattingenlibus, sepilo supicmo anguslo, concavo, acuo lateralibus >>ub-
patulis aul depcndenlibus, anlice piouclionbus, poslicr veisus mediam parlem oblique
•ipirulais, inteims lincari-lanceolali*, açuiis membrianac cis, onico bnsi in appendironi
Innceolaiam, acutam, ciassam tuplo longioiem piouclis, lahello tiipaiiito, lacinus
Imeaii lanceolate, acutis, plains, intormodn longion, calf HI OVIII longioie apite
inflalo, appendicibns sligm uicis longis ascendentibus, apice dihtaus et quasi renifoi-
mibus — Inbilit in Aby>>siniao piovincia (lino
- 4 II RfPLIfATA Uochsl 1 c no If>45 — A Rich I c 296 — Caule ciecio podali,
folns cminus hncpolalis nngii<uis auun, lacmo snnplici oliganilio, lioiibus Miidibus
peduncuhtis ovauo contmuo bicvioie, hinctei^ ollipLicis aeuminalis, margiuc suhglan-
dulosus, ovanum cum pedicello acquanlibus, sepalo supumo concavo, subacuto, lala-
lilibus rvlcinis p ilulo-icDexJs, oblique acuminaljs, |\U\le inacquilateus, anlice prodnclio-
ribus, inteims oblongis vix suprcmum aequantibus, subfalcaus acutiuseulis, intice ap-
pendice oblonga lanceolata oh tub a longioie latioieque cum lacmns punctulniis ereclis,
lahello bic\i tupailito, lacinus plams, intcimedia oblongo-lancoolala aruia, hicialibus
anguslionbus, calcan ovauo longiore, sensnn amphnlo vesiculoso, pi OK s^ibus slig-
maticis iciciibuD luberculalo - glanduloMis, apicc subcapildtis — Habitat in pane su-
pcuoic montis Sellouda Ab\ssmiae
- 7 II ANTLNNIFLUA A Rich 1 t p W7 tt Ann sc nat (2 Su) XIV 268 tab 17
fig- 1 — (aulc podili, folns caulini saepius 3 ovali - lanceolatis, acutis aut acumi-
nalis, basi vaginantibus, vaginis miegiis, adpiessis, spica oliganiha, biacleis lancculatis,
aculis, maigine glanduloso -cillialis, ovanum aequantibus aut suppianlibus, sopalisex-
leruib in galeam apicc rccuivarn et apiculatam appioxiatib, sopalo supremo mmoi,
angustion, lalci.ilibu^{1*} obliquis, anticc magi> produclis et apicp portico oblique acumi-
natis, lacie interna subpunctato-glandulosus; sepals inteims linean-oblongis, ciectis,
lonfitudine sepnli supiem et ilh applicatis, anlice appendite subduplo longiore cietta
ldijccolnla acuti, facie inluna glandulosa nuclis, labello inpaitito, lacinus subulntis
cias>>sis, tuqueln, a cut is, intermedia paulo longiore, calcan longitudme ovani, apice
inllato, appendicibus stigmaticis ciectis, longis, subaicuatis — Habmt in Abyssmiae
montibus enca Adoua
- d II CULTRATA A Ricbaid Tent fl Abyss II 297 — Caule uccto scsqmpedali, folioso*
folns saepius ttinis, duubus infrioubu- ippiovimati^ clliptito-atuu^, bnsi attenuatis,
vngmis in biocleas. aboumibus, floubus vnululis, <>picaii!», biacleis clliplico-ncuminnUi
comoluiis, ovauurn a< quanlibus, sopalo supiem obovili oblongo, concaxo ciecto, lala-
rulibus cxieuus suborbiculnubiH, oblique apiculaiii.,)aicniibus, liucinis ciectis, anpuslis
aubfilcalis subobiusis, fjeic iiiUma glandulosus il nmigmu spinuloso-oilious , nppen-
dite uiiica duplo longion , o\jli-oblon^a aiutuati Lultnloimi, maigine glatidulo^o, la-
bello lupailioo Jk< inns I\MC inlms icctis, nilcunrdia duplo lougiou, cilcin ovnuo
longioie tipice sensnn inllaio — llabitnt in Ions inoniosis cl hcibosis Abys&imac pio-
vinciac (but
- 7 II PhTROMI DUSV Wibb in Hooker, Nigci Florft p 180 — Petalis tubus extcuoubus
ovato - lanccolatis tuneiviis, acutis, duobus mterioiulis pioiuude bipaintis exluioruin
fciclongiludino, lacinia supcuoie oblonpa paululum bicviorc, mfeioic srincea, labello
petalis exUrioubus paium longioie, usqup ad medium tutldo, lacinus flifoimibus, media
bievioic, lateralibus diveignlibus, calcan gennino bievioie tliiroimi, ba^i giacilluno,
apicetr \ci*us sublauorc, supia lobellum incuivo, anlhcii toiundali inmna, subtus
m coinua duo hou/ontalia producta appendicibus 2 ipsa cvccdeniibus (inihens abor-
tivis) hoi/onialiter portectis, apicc delle\is, ua^is, ghnduosus ^ubtensa, geiminfl
gracili in pedicellum (ongum do^incle — deceit in ins Cap Viudis

D. *Indtae.*

HIIL \CFNIATA Dalzell in Hook Kew gard misc II 261 - Caule pedah, folioso, folle
lanceolate, aculis, 5 poll longis, bracieis ovano paulo brevionbus, sepalo ~~supremo~~.

ovato oblongo, lateralibus oblongis? perialis biparinis, lacina posteriore lineari spiraliter conlita, anteovic selacea brevior, labelli inpartiti Incinus filiformibus, intermedia hauribus paulo longiore el duplo longiore, cntrau gracili clavato, labelli incinia intermedia paulo longiore, ovatio brevior — // *lancifoliae* Rich affinis — In insula Salsette Indiae orientali?

L. *Americanae.*

^ II MODULSTIBSIMA Hobb fil Linn XXII p 811 — Subremolidorn bmetels hnccolaiis •uutis, pengonu pinHo ixltino supiomo ovalo, hleralibus oblongis aculis, aliqiml falcuis, pengonu phyllis lalculibus inteims]>inrlitis, pi ope nequilongis, parltioneanteuoie uneai i acuta hcatn, po<ueuoic lanoeolaia acula, aliquid bre\iore el lauore, labolto tnpariio, pariilione media lineau iccia obiusiuscula, laleralibus linennbus acuiiusculis divancaus falcalis, calcan cjhnduco incuivo — Habitat in sylvis Ameucae tropicae Novo -Fuburgi

*0 H ACHNANTHA Rchb 01 I cit p 812 — Densiuscula biacteis lanceolatis acunniis Uoies subnequaniibus, flonbus eiectis, pengomi phyllis exlernis oblongit acuminatib, supremo htioie, pengonn phyllis luttialibus micrnis bipartuis lineanbus acuiis partuione aniico nliquid ingustiore, labello tupariilo, parliliombus lineanbus acutis aubaequilongis, ima bnsi coalitis, medin Inlioro, calcan cjindraceo ncutu, ovano subaequali incurvo, antherae loculis elongatis rostelli minuti lobo inedit acuo, apice libero, sigmalis brachiis cylindraco[^] — Habitat in Ameucae tropicae Serra d Csirella

11 H ULIGINOSA Rchb fil I c p 812 — Elongate densilloia bracttis lanceolate acutis seu acuminatis, ovams cylindncis bracteas infeuoies aequantibus pengonn phyllis exteims subaequalibus triangulanbus aculis, peugonu phyllis inlernis lupnimis, partitione utiaque falcaia acuinmata, inteuorc nunc paulo longiore, labello tnpariito, partiiombus lanceolatis aculis, lateiulibus subfalcatis di\ergonu-divancaiis, lacina media nunc aliquid longiore, paitt basildii inlcgia bievis>sima, calcan cjlmdraceo, apice subclavato pendulo ovatio subaequali, sligmilis biathus cias&is bilobis — Habitat in fiidsiliae piovincia Mmas Goiaes

^ II HEPTADACTYLA Rchb fil 1 c p 812 — Caule giacili slnclo folna lineanbus aculis ereclis, in bmclea[^] deciescenlibus, racemo densiusculo, nunc secundo, biacteis ovaiis acutis, ovams incmvjs pedicolntis, inflnis biacteas aequaniibus, pengonn ph\liis exiemis subaequalibu[^] supicrao ovaio atuto piano, lateialibus lanceolads, pengonn phyllis lateralibus inicjnis bipariitis, partuionibus subaequalilius lineanbus obtu^sis, calcan elongato, apico aliquid innassato, ovno longiore, loaiello sublibero tnlobo, processibus lunatis brevibus ciassis

Spica densifloia

P bpica IB1101 — lhbiiat in Guaiaru

11 " I STIHLfCNbIS Rchb dl I c p 813 — Densilloia ovams plumnum patentibus uivatulis, bracteis oblongi!> acuminatis, imo cuspidatis, inflnis flonbiis longionbus, r'eliqms bievionbus, ptngonu ph)llis ex term 8 supremo ovato. lateralibus obliquis obtusiusculis nuac acutis, pengonn phyllis lateralibus internis bipariitis, parltionibus ^Acatis, maigine parce microscopico denticulatis, labello tnpartito, lacinus lineanbus acutis, nunc obtusis, lateralibus brevionbus ascendentibus, calcan cylindraceo, apice "iciassaio, ovano brevior, roslelli lobo medio obtuso emarginato, anthera brevior, ^gmatis biachus brevibus truacalis — Habitat in montibus Ameucae acquinomalis ^eira d'Estrella

14 H PRATENSIS Rchb fil 1 c p 813 — Pengonn phyllo supremo oblongo subacuto, ^teralibus exteroia lanceolatis acutis subfalcais, pengonn phyllis lateialibus inteims parutis, lacinia posteriore falcata, antenore confonni angustiore, labello inpartito, III.

parliuonibus ligularis ohlusissimis, modin huoip rostelh lobn modio tnanguhn, an-
therae loculos excedento, lobis latci alibus connatis cum loculorum rrmrginc interno infei o
apicqque VK producto, pioecessubus cirnosis clavatis rugosis bicMbus — *Oichis pia-*
tensis Salzm — *Donulea piattnsis* Lindl — Habit it in Diasilia pi ope ttdhiain

- 15 H HFLOUES Rchbcll Ill 1 c pig 813 — Racemo paucifloio, biactris oblongs
acutis, o\im pedicellaii diraidium acqmntibus sui supcianlibus perigomi phyllo supiero
ovali acuiusculo latci alibus oblongis acutis peugonii phjllis lucialibus intrnis bi-
pnrllitis, parutionilius reinoiis, lineanbus acutis falcatis, aniica longioic, labello basi
Imean, dcin tuparililo, pailitiono media linean icula, lalcinlibus lonj,iolibus falcatis
dueigenlibu's, calciu cylindraco, apice aculiusculo, basi dilaliiio, o\ino pediccllato
longioic, feynosumio oblusio, loslelli lobo audio jcuto, anibcia multo bicwoie, locu-
lis pio caudiculis elongatis, ciuiibus stigmalicis cjlindiaccis, apice nunc bilobulalis
— Habitat in America aequinoctiali

§ 2. Phylla lateraha mterna indivisa

A. *Afncanae*

- 16 H YAGINATA A Ricnid, Ann sc ual. (2 Se'r) XIV. 269 lab 17 fig 2 tit Tent fl
Abyss If 290 f— Foliis rndicnlibus buns subopposiis paiulis coidalio-ovalibus, acutis
plams menibianaceis, caule pedali ct ulna uginato, vaginis laxis in folia 1—2parvula
acuta ohlonga con\olutis, in parte supenoio caulis sonsim in biactcas deciescentibus,
spica elongata biactcata, biactcis lanccohti* aculissimis, ovarium excedentibus, se-
palis latorialibus extermis paiulis oblique ovali - acuminatis, ^alde inaequilatens, sub*
punctato-glandulosus, intcinis inappendiculatis ohliquis aculis cum supiero in galeam
appioximatii, labello tnpartito, sepalis vix duplo longiore, lacimis angustis obtusis
subaequilongis, mteimcdia wx liloialibus divergentibu!> hiion, calcan giacili, ^eius
partem supeuorem vix sensim lnflnto, o\auuin duplo c\cedenlc — Habitat in Abyssy-
niae monle Sdleudi juxta Adoua
- 17 H PERISTYLOIDFS A Rich 1 1 c c 270 t 17 lig 3 & 2T1 | - — Gaule eiectO
pedali el ulna (in var a palman), bisi vaginato, in medio folioso, foliis ovali-1**
ceolalis aculis, basi laxo vagmantibuo, flonbus pallidionbus, spica elongaia laxiusculfl,
brartcis ovnli-lanccolatis aculissimis convolutis, floics acquaniibus, sepalis ascendefl*
tibus in gnlcim ippioximtus supiero ovali-lanccolato ncuto concavo, literalibus iO'
oequiloicus o\|\| icnlis falmiis, miornis (polilis) inappendicuHiis noquilongis ovalibus
obtusis, labello iripmtito, basi subroichio, lacuna medn oblong> angusta oblusa, l'''
tct ilibus duplo longion Imoicqque, cilciri broi oblusio, inllicine uuiibu* brc\is9i''
mis, nppondicibus siignnucis obusis, supcino Unaliculaio-concnvis — Habitat in Abyss*
siniae montosjs ct locis berbosis juxta Adoua
- 18 H UISTANTIFLORA A Richaid, Tent fl Abyss I 291 — Caule erecto sesquipedali,
foliis (saepius 2) basi va_Bmantibu!> lanccolaiis acutissimis, spica elongata gracili di*
stantiflora, bractcis ovali-lanceolalis aculissimis semiconvolutis, ovarium superanlibuSi
flonbus scbsilibus paiuulis vindulib, scpalo supiero ovali credo concavo, dorso sub-
cannato apicuhlo, maiginc ciliato, laiei alibus aperlis obliquis ovali-lanceolalis acuti^
mterms paulo bicvionbus ovalibiii. obusis concavis inaequilatciis ciliatis jnappendicu-
latis, labello tnpaitito, hcinn ccnliali oblonga latiori oblusa, lateralibus dimidio n-
gustioi.bus calcan o\nni longiludine vix sonsim mflato, apice acuto, processubu⁸
stigmaticis sun ecus bicvibus — Habitat in Abyssimae prov Clure.
- 19 H TRIDACTYLA A Richard 1 c p 292 — Caule palman aut vix pedali gracili; ft*
liis ellipuco-lonceolatis acuiiSf-hasi vaginanubus, versus apicem caulis seiwm de-
crescennbus, spica elongaia sub^pirali' bracteata; flonbus parvulis sessilibus ¹ndalis;

- bracteis lanceolatis acutis, ovanum aequantibus, sepalo supremo erecto obliquo oblongo acuto concavo, lateribus dependentibus longioribus subulcatis oblongis angustis obtusis, interms cum supremo calicem efformantibus oblongis acutis, labello inaequilato, sepalo longiore, lacina subaequilongis oblongis, intermedia longiore, calicem longioribus acutis, processibus stigmaticis arcuatis oblongis surrectis — Habitat in lous herbosis Abyssiniae prope Abba Ganma, in provincia Chue
- 10 H BRACTEOSA Hochst PI Schimp Abyss no. 1139 — A Rich 1 c 272 — Caulis vix pedalis folioso, foliis basi laxe angustatis ellipticis acutis, sensim decrescentibus et in bracteis abeuntibus, floribus sessilibus, spicam pyramidatam bracteata, bracteis foliaceis hinc hinc acutis ovatis ovario longioribus, sepalo supremo ovato acuto, cum interms eoppendiculis galeam efformantibus, lateralibus externis dependentibus oblique ovalibus acutis, interms valde inaequilatis, anlice obtuse productis, labello bipartito (tripartito), basi angusto, lacina aequalibus obovato-lanceolatis obtusis, calicem subulcatis, apice acuto, labellum quadruplo superante; appendicibus sigmoideis obtusis — Habitat in Abyssiniae prov Semiene
- 11 H QUARTINARIA A Ritbaid 1. c p 293 tab 86 fig Ann sc nat (2 S<Sr) XIV. 271 tab 14 fig 4 — Caulis sesquipedalis folioso, basi vaginali, foliis brevissime vaginantibus ovatis nervosis, basi obtusis, floribus albido-virescentibus majusculis, spicam laxam biacteosam efformantibus, bracteis foliaceis elliptico-lanceolatis acutissimis, basi stipes aequantibus, ovanum arcuatum superantibus, lacinarum calicem supero erecto oblonga acuta cum interms appropinquato-galeiformibus, lateralibus externis dependentibus, supremo duplo longioribus, objicis inaequilatis acutis, interms (picalis) magis uhalis antico valde productis inaequilatis, apice acutis, labello inaequilato, sepalis internodiis longiore, lacina media angusta lacina oblusa, latealibus longioribus acutis, magis exteori floricibus - dissectis, calicem longissimo ovum duplo superante — Habitat in Abyssiniae monte Selleuda, non procul ab uibe Adoua
- U H MACRAMHA Hochst 1 t no 1256 — A Richard, Tent n Abyss U 294 tab 87 — Caulis erecto, pedalis vel ului, foliis basi vaginantibus elliptico-oblongis acutissimis, in pane caulium superiore in bracteis deciduis, floribus maximis virescentibus, spicam ovataem efformantibus, bracteis foliaceis ovali-lanceolatis acutissimis loricis superantibus, sepalo supremo ovali-acuto concavo cum internodiis appropinquato-galeato, lateralibus patulis ovali-oblongis acutis inaequilatis, internodiis supremo nequilibrium, versus partem internodii anlice productis, labello impari, lacina media oblonga angusta obtusa integra, lacinae tenues, magis exteori floricibus - dissectis, talonibus duplo longiore oblongis — Habitat in Abyssiniae in regione mediana deserti sub uibe Choaia in provincia Senone
- 13 H DICOHATA Hochst i r no 1253 — A Rich 1 c 94 — Caulis uccio palmari, Tulus ovalibus nervosis, (longibus 2—3 spatiosis magnis, oblongo-virescentibus, biacteos foliaceis floribus acutis elliptico-lanceolatis - hinc hinc acutis, magis subglanduloso - ciliatis, sepalo supremo elliptico oblongo acuto ciliato cum internodiis appropinquatis galeato lateralibus externis patulis acutis, internodiis antice productis, omnibus ciliatis; labello tripartito, lacina media lanceolata acuta lacina ciliata, lateralibus longioribus, marginem exteori versus internodiis dissectis - floricibus, limbus linearibus longioribus, calicem dependente acuto, lobis duplo superantibus — Habitat in Abyssiniae monte Semaiata Prov Choaia.
- *4 H LANTHUSIA Rehb fil Linnac XH p 860 — Spica densiflora, pedunculata Phyllis externis oblongis acutis, pedunculata phyllis lateralibus internodiis lanceolatis, inferne obtusis, lacinae tripliciter lamina indivisa quadripartita, partitionibus linearibus angustissimis acutis, lacinalibus distinctis, calicem ciliato inflexo, nunc incurvato, ovum longiore, gynoecium latissimo tubo, loculis Morgani externis. Impositis, processibus caudicibus, staminibus biacteos punctis inter anthe-

me loculo mcumbentibus, supia ncuiis, infia cla^ntis KHUSIS — Habitat in Abjssmia

B. *Indicac.*

- 25 H (ARAUJI N^*)S Unzell in Hook Kew gard misc II 262 — Folus infononbus subrolundi», supcnonbus oblongo-Innceohtis tnnerviis, bracteis acuminatis ovano birvionbus, tr>inlo supiemō lotundato pemlissemiovalis obtusi«, labelli lupaititi lacima inieimcdii oblongn obiususcula, lalualibus brevionbus cunenlis npice truncatis, calcn clavalo ovano bieviote — Floics jiarvi Iulei — Habitat pi ope Bombay in msuIaCaiauji
- 26 H CANDIDA Dalzcll 1 c — Ciule pedali folioso, folus basi vaginantibus lineanlancco'alis aculis mucionalis 3—5-nomis, superne in biacteas florales transeuniibus, biaclois ovano paulo longioiihu*, (lobrevionbus, sepalo supiemō ovalo obiuo lateialibus oblongis obtusis, prtalis integns oblongis aculiusculiM, labelli Irifldi lacima intermedn lntc lanccolata obtusa, lateialibus lincan-falcatis acutiusculis, omnibus longitndme subacqunlibus, cilrui giicih fliformi ovano brevioro, piocessubus camosis compressis linenn - oblnngi* oliiusi* — Folia mlcrioi i 2¼ poll longa, 6 lin Ian — In India onemali
- 27 II DIPHYLLI Dalzcll I c — Cnule semipednli, folus 2 rndicalibus cainosis oibiculnli<: bisi coidaiis obscure 7-neivus convexis solo arete adpressis, bracteis caulims ciebens subnialis basi vaginatis, floialibus ovano duplo brevionbus, sepalo supiemō IQIL ovato nculiusculo 3-neivio, laterahbus ovalisacutis 3-nei\«», sub anihesi patpnlibiis, pelalis linean-fahaiis acutiis erectis, sepalis minonbus, labelli inpailiti lacimii omnibus flifoimibus, laieialibu^ intermedia longioiiibus adscendenlibuit reflexis, apice s>piraln<r contoitis, cnlcan pendulo flifoimi subclaialo brCMter mucionato, o\ano pnulo bieviore, piocessubus carnosus linguacformubus intense \mdibus, lal^lli bnsi adnml< — Folia l/a poll longa et lala — Habitat in graminosis Indiae ontnialis Concano disinciu australion
- 28 II SUA^EOLE^S Dalzcll I c 263 — Caule semipedali, basi tantum folioso, **folus** Innreolatis acutis eiectis complicatis, scapo dimidio bievisionbus,; sciipo angulato erccio medio unibiacteato pouci-(3—4)-floro, bracteis **Hoi alibus** foliaceis o\alo - lanceoliUi* acutis vaginaniibus o\nrn longiitudine, sepalo supiemō laic hncrolalo aculiusculo cum petals eieclo bond galeato, sepalis lalcralibus fnlratis acutis sub anlbesi deflexis, pelalis sepah&que confoimibus aequilongis, labelli mflidi hemn intermedia line in acutiuscula, Inuriiibus laiionbus bnMOirl)ns, apice oblique Iturioans denticulalis, calcari pendulo lihformi vix clavalo OMIII longiitudine, anlherae pamllclae contiguae, processubui> tiimosiis brevissimis truncnlis — Habitat in Indiae oncntalis piovincia Mdlwan

C. *Amencanae.*

- 29 II TRIPTLRA l\chbch III Linnara XXII. p 814 — Folus lanceolate aiulis stnctis m squamas abdintibus, spicj dniNilluia bievi, bracteis oblongis tiN|)idatis, ovanis longionbii* "tu aequalibus, o\ano inaldlo, pengomi phyllo supremo ovalo acuto, lnt<<ralibus extrims lanccpolatis ncumnniis, pongomi pliyllis lateialibus interms oblongi* dcutis, basi andce angulatis, labcllo a basi bie\i tnhdo, pailiuombu* aculis brevissim**mi8**, media producta lmean ncula, cilcon ovano subaiqunli — Vai » *heteioglossa* labelli parlitiombus lateralibus ob^okiis — Habitat in Mexico el Caiacas

Inceriae sechs.

- 30 II MODL&TA Dalztjl I t ^b2 - Coule basi folioso, supcrno nudo, foliis. . ?,**•! ctcis ovano duplo brevionbus labelli Irifldi laciniis lateralibus **linean-lanoeolalis hb^**

us patenlibus, lacina intermedia ovata obtusa brevior mtrorsa cum supremi sepali petalorumque apicibus cobacrente columnamque tegente, calcari filiroimi vix clavato, ovano paulo longiore — Piceus cainosi rotundati parvi, floies albo-virenes — Habitat in India orientali

1527. BOMTEA *mild.*

(Willd Spec pi IV p 43 - LO 327)

1. * B SPLCIOSA W - Rchb fil Orch Eur tab 2 fig 24-26

1536. & ATYMUH Sw.

(LO 335 - Rchb fil in Wlprs Ann I 799)

- ¹ S CORIOPHOROIDES A Richard, Ann sc nat (2 Se'r) XIV 274 tab 18 fig 3 ft Tent fl Abyss II 298 tab 89 — faule flonfero eicto pedali out sesquipedali, foli> caulims vaginantibus pnnulis ellipticis aut ad vaginmm laxam acutnm icduclis et srn-sim in brnctas abeuntibus, folns radicalibus distinctis hinn, juxin can I cm flonferum, (lonbus laele puipuieis spicam elongtam dcnsam bracteoara ofloimmihus, biactils lanceolatis subimbncatis elliptico-lanceolatis aculis floies aequanlibus, in parte infenore erectis, caciernm reflexis foliaceis vindibus, labello gilento obiuo, nntice Tore usque ad basin npeito, apice anlice obtuse npiculoto, calranbus dypenduniibus recui-vis, apKO oblusis, ovarinm non nequanlibus, oepalis omnibus bnsi inter se conlnis lateralibusque nequilongis anguslis limanhus obtusis glabris, g\nostemio tereti bit viusculn, stigmatis lobio supenore Intc ei'ecto subquadrato, mmgine disseclo obtuso, ovain coslis glanduloso-pubentibus — *baiipntm macrostachyum* Hochli PI Schimp Abyss sect & no 1606 — Habitat in locis hcibosis et siccis Abyssimno montis Scl-leuda et in piovincin flu re
- ² ^ BRACHYPETALUM V Rich I r p 299 -| tab 90 — Caulc flonfero pedali, vagina foliacei* Jaxis acutis obtecto, spica dense bnctenta, flonbus purpurcis, bracteis (lot e>> acquaiiibiis aut supuanubu*, ba&i eipdis, catterum leflexis, labello galeuto, doiso carinaio apice longo ncummato nnnce usque ad mediam pattern lantum aperto, iud< spoilt, eueims mternisque ex paite media apeiluaie labelli enaiis, in margne ciliah*. 'Qlcaubus o\nimm aequanlibus apice aculis, sepalis lateialibus pxtcrnis semiobov.ili-hus .ucudlis, intei medio et interms angustis obtusissimis, sti^matis labio supenoio ^{ep}pecio emarginaio, ovarii costis glanduloso-pubentibus — Habitat in locis herbo^is et montosis Abyssimac provmeme Chuc
- ³ s S CHIMPLRI Hochsf PI Schimp Aby<s no 1185 ex A Rich I c p 300 tab 91 — ^aule flofeo folioso palman pedali aut sesquipedah, loins saepe bims ovali - acutis, ^{xa}gmis Inxis soepius bms \cutis dccrc^ceniibus, spica laxn distanlifloia oligantba, bracteis ^oklongo-hnceolatis aculis, parte supenoie reflexis, labello gnlcato oblongo anlice ^coarctato et maigme subexpanso concn\o apice subacuta tcuinnlo, in tcitia parte ^s<penoie lanium aperto, sepalis inde supeuoiem panem faun anticae occupantibus, ^{Ia}teralibus ^{us}aicuatilaiionbus *emiovalibus aculis, supiemio el inteinis brovibus angu-^{sl}is obtusissimis, calcanbus ovauo brevionbus — Habitat in gimmmosis el montanis ^{ln}Abyssimiae ptovinciis Cliire el Semiene
- ⁴ J BIFOLIUM A Richard, Ann sc nat (2 Str) XIV 273 lab 18 fig 2 8c Tent II Abyss U 300 tab 92 — Folns bims ladicalibus suboppositis, ovalibus <ul suboibi-^cularibus, npjee obtusis aut subemarginati*, membranaceis glabns, caule pedali \agi-^{na}o? VBgmia longis laxn, acutis aut subobtusis, fionhus ulbis maximis spicam teimi-^{nal}001 bracteosam effonuantibus, biactois ovalibus obtusis aut acutis loliacei* vridibus

reflexis floicis aequinibus; Jabello galcato oblongo, apice pioductiore et obtuso, ore aperto, calcaribus acutis ovano longioribus, scpnlis oxloims oblongis. obtusis, ons labolli lnlmam partem occupmiibus inlornis spalhulato -ohlongi-s obtusi&simis, gjno-stomio clonguo, labio sligmaiui supmoie oblongo oblu^o midio sukato, iifenoic oblongo acuto — Habitat m \h}ssinnc monte Sellcuda prope Adoua ct in proviuu < Sana in niontibus TPCII

f Icones addendae.

- S AURLUM l>a)t Mag of bot X\ 31 (c ic)
S. CARfSLUM Sims — \an Houtle, Tlore dcs sencs IV tab 32**

1537. DISA Berg.

(LO 346. — Rchb ill in Wlprs Ann I 800)

- 1 D PULCHELLA Hochst PI Schimp Abjs* sect. 2 no 1192 — A Richard, Tent n Abyfls IF 301 tab 93 — fnule m pedili. folii* (3—4) elliptico-oblongis acutis, basi rtiginontibu*;, \eius paitem caulis supojioiem decrcscentibus, spica tPrmmali o\oidco-oblong t brncteo*a, flonbus dnipliudmc modus puipuiascntibus; bncteis ovali-hin-GOIWIS ociilis cicrds, thus <,uba(qunllibus, intense puipuiois, sepilo supremo sub' galeato siiboijjculnii apice subacuto, poslicc ;n cnlctii lectum ti<itis\tisum, longitudinem sepili nequans pioducto, htpialibus *ctemis* oblongo- spatliulais, *opico* apicu* latis icciinisque, iriK mis (p(tali*>) obliqni* ascendentibus, apicc latjonbus ct truncatis, nrrgine miico subun Mgmalis, hciu i>toinao sepni suprcmi appJicaiis, labello oblongo lariiLolalo oblnso inonibumacco, ^ligmatc antico in appendiccin c<nn)oso-glantulo&nn linguaefoimcm, bupcrne subconca^am producto — Habitat in Abyssmiao monte" Selleudi |>iopc Adoua ct in pio\inna Sinnene
- 2 D SfUTI LLIFCRA A Richard, Ann sc miui (2 Sdi) \IV 272. tab 18 fig 1 a Tent n Ali>>s II 302 lab 94 — Cnule folioso, Coins ladicaJibus anguste Janceolatis aculis, bosl sensim aitenualis, cnulinib Ia\c \agmantibus cllipiicis acuiis, sensitn in biactcas abcunubus, spica elongiln biact< nta snt densa. lloubus mnjusculu* gule pui* pureis, bracteis ovali - lanctolatis aiulis lloi c& aoqmntibus, sepalo supicino concavo >uboibitulaii, miculi^ mimmis colons magis intensi notalo, postice vcisus pailcm in' fenoium in cihar **toi r** > .jaulr* oblusmn poducio, sepalis lateiahbus cYlcrms ovnllobJongi-* **ohliis**>> dnancaii* subroncaM¹), mternis (petilis) dimidio breMonbus hmc & illinc anlbeiac adnatis obliqms joturnlali.¹* obtusibsimis, appendicc Jancoolata eiectfl JiULaiJ lcua in parLL mLiioi c ct supenoic auclis, Idello lanLcolato lenui cicuti>sin*> dr pondenit tnviiate stigmatica mfin anihcram ct anticc in glandulam ma\iraam con' vexam bisi lain III continum producia — Habitat in Abyssinae monle Stlleuda **prop**⁶ Adoua

t loon addenda.

- D. MACROGLOTTI^ Sond a* Rchb. fil — Rchb M Orch. Em lab 2 fi_0' Zi 22 23.

1537. HERSCHEL.1A Lnull

(LO 362 — Rchb hi *I)c* pollnus Oichideaium genesi etc p 31 haec)

1. H COLiLrsriS Lirull — Planlam sacpius inspexi Haud p.mcos lloros analjsi **subject** HI Lindley, ubi moiiogiaphinm summ rddidit (of Lndl Oich 363.), **unuii** tantun? **florae** se dib>ecui!>&!e, nee bene intellectum, affeit — Scmel lenui spicam, **cujus floras** **abj**

i icteies ab ill Lmdloj hmhlos satis exiclc icluieiunl lateiales denies proccossus lostellans timen satis abbieuali, nee lepen appendiccm lauddtam sub piocessu ro-siellan At pollimin duo cirnt dMincti, ghndulao igilur dune — Ahie spicae eand< m phntam mnciicbiniui , eiedtni biacenc, idem peugornum eodem coelesti colore irronium, idem libcllum, cadem uno aitbeia pumo ospcctu est tisa Ingens autem distunien Ahbastia icfciebint ingentcm phnduhm solinnam, cm uiraque adhaercbat tiudituh glanduh aulcm Incumhtbat in piocessu rostell IN medio satis pano hncco, processus lalualcs aulcm cjudim ghndulu margimbus eiant appositi Appendix ilh bnaihus, qum in sua planla dndenia rrperal ill Lindley, in inonndens spcLiinutibus in us non disidciali linlam phiululam nunquam lepeu in ulla Ophiy-dea — Aut ad>int gentn duo (tin⁹) codem exicte vullu exlerno gynostemiisquod di\cisis, am ununi genus gynostcmio di- (tn-')moiphico — Iconem plantao hujus tnihticam cdidi JII labulis inaljtitis Oicbidiogaphiac Euiopaeac (Tub 2 f 18 19 20)

1538 SERAFIAS (L) Rich

(LO p 377 - Rchb ill m Wlpis Ann I 805)

Sect. ISIAS.

- ¹ *S TRILOBA Viv — Rchb 01 Oich Lui p 8 tab 86 et ct 147

Sect. LUSHUMAS

- ² *S LINGUA I — Rchb fil 1 c p 9 tab 87 fig 147
³ *S CORDIGRIAL — Rchb fil 1 L p 11 tab 88
 vai *leucoglotti** Welwitsch — Rchb HI 1 c p 181 — Plerumque bi- seu Inflo- ra, labio pillide sulphureo-ilbo, lobis latcnlibus atosanguineis, scpalis albidis, iolus hneanus slnctiusrulis — Aspectu ahem — Lusitania
⁴ *S PSCUDOLORDIGLIW Moric - Rchb HI 1 c p U t 89 90 147,
⁵ *S LAXIFLORA Chaub - Rchb fil 1 c p 13 t 90 147

1542 OPHRIS L

(LO 372 — Rchb III in Wlpis Ann I 805)

A. Muscifeiae.

- ¹ '0 FUSCALK
 1 *fusca* Rchb fil Oich Eur tab 92
 2 *Dtcolo)* d *genuina* Rchbch fil I c tab 92 93 b *roiatwi* Rchb fil I c tab 112
 3 *pahlha* Rchb fil I c t 91
 4 *Dunem* Rchb fil 1 c t 110
² *O LUTEA Cav - Rchb fil 1 c t 94
 var *subfusca* Rchb fil 1 c I 165
³ *O PECTDS Mutel - Rchb fil 1 c t 91

- 4 0 MUSCIFRUV Huds — Rchb fil I c t 45
vnr *bombijna* Rchb III 1 c
- o 0 tnURIDA Pokorny — Rchb fil 1 c p 79 t 113 — Perigon phyllis htenlibus incinut inguste ligulalis paice \elutims labollo oblongo, oblusio inlobo t bisi angusln aibilo dihfito mugine htissimo hnvissimo velulino disco migno ghbpmmo — VinHobonao
- b 0 APIUI A I (Sdimidt — Rchb ill 1 c p 79 I 182 — Pmgonii phyllis inierms luerilibus mngsie ligulatis cilntis, labello oblongo convexo hiusculo Insin veius plus minus trilobo, a btsi I Ha cunoti sensim dilalaio lobo medio bilobo nunc cum npitulo interjecto, imigmein usque \cluimo piauei sigm lineana iransver&d
- 7 '0 SPICMUM Fk - Rchb fil 1 c I 98

B tucifloiae

- 8 '0 TFNTHRrDINIFI RA W —Rchb fil 1 c t 111 165
- 9 0 OYRRRHYNtffA Tod - Rchb fil I c t 110
- 10 0 FU1IFI0RA Rchb —Rchb fil I r t 109 110
- II 0 DFVLM \SI^ Rchb fil — Rchb 1 < p 87 I 10? — Pengonii phyllis hteialihus inteims ligul ilib anguslis inlice velulinis hbello oblongo inlegro nunc sublnlobo, bieviter inlobo pncici ^gnum btsilaic velutino tpiculo nullo seu vclutmo vilde abbreviato

L Aiamfeiae.

Aranifeiae genmnae

- U '0 ARANIFLRA Huds
- 1 *Aramjii* i *qmuma* Rchb III I c t 97 113 1U b *lunulata* Rthb fil I (lab 98 c *quadulola* Rrhh fil I c I 102 d *araneola* Rchb fil 1 c t 98 c *Jornincnnin* Rchb fil I c p 178 t 165 — I thello oihiculon crassissimo migno intice tmaigimto foloi inconsueius pcgonu phjlla externa \indn lnteiaim mtorm biunneo, labellum biunneum, \itta obscurorc magis* que pubciuh ulnnque inter mmginem el discum Signum medio confluons nlbum!' irnculis nonnulhs coerulos mediaque brunnei — I ot>sino
- 2 *Fucifeiai* i *mammosa* Rchb fil 1 c t 101 b *fuafeia* *n *pseudospeculum* Hchb fil I c t 165 bh *snbtucifera* Rchb fil 1 c t 112 oc *fucifera* Rchb ill 1 c t 97 c *ahata* Rchb fil I c t 100 dd *spicuimta* Rchb fil >* c tab 112
- 13 '0 FrRRRUM FQUINUM Desf - Rchb fil I c t 99
- 14 0 IIIULfA v Sprunei — Rchb fil I c p 93 t 101 — Pengonii ph\lli» loteralib^ inierms inguste liguhtis, mirgino jiapillis ciliitis, labello oblongo »ubipicilato, inier basin u medium inlobo puce vcluuno luuris glabris longiludinalibus n basi pr°P apicem usque progredientibus (lmea intei se coalms punctisque inteijectn) — Aegio» Hymettus
- 15 0 BIRTOLONII Morett — Rchb fil I c I 103
- 16 -0 FLAVICAJNS Vis —Rchb fil 1 c tab 169

Aiamfeia bombyhflora

17 '0 JSONIJYMFLOIA Lk — Rchb fil 1 c lab 104

Araniferae apifei ae.

18 '0 AIMFERA lluds — Rchb HI 1 c tab 103

vm *Muteliae* Rchb III I c tab 113var *purjmiata* Rchb fil I c tab 113vm *tutllu* Rchb III I c lab 105 II

16* HI S(OL)PA\ Civ

1 *ptcta* Rihh hi I. c lib 106Z *ocslnjLHi* a *bi mufti a* H(hh fil 1 L tab. 107 165. b. *ocstnjeia* Rchb fil1 L idb 107 i *loinula* Rchb. fil I i. tab 108

1852 i I''' Knot est Ojji airifhnifr* Schat hi in v Mohl li. v Schlcchld Rotm /eitntr

1543. DISPEIRIS Sw.

(LO 369 — Rchb (II in Wlpis. Ann I. *bOb*)

¹ D) GKAbSKAULIS Rchb Al Linnacn XXII. p 860. — Caulc tereti ciassiusculo vahdo, basi v i^imto, modio unifolio; folio oblongo ncuto couhio, cnule nunn iini-, nunc bifloro, brnrlois oblongis ncutis concnvis, llonbus erccliustuli*, pengonii phyllo snpiemo cum peiin-omi plijllis lalciilibut micnus ^ilealo, supicmo liucaii acuto, obsolete tuncnalo, pengomi plnlhs 1 Ueiihluis inl(ini&» o\aiis concivi<», latcialihus exlcrms oblongis inter medium el bnsin ilimidn infenou^ suc.itis, sicculo mniuto mamillin, Inbello tnungu-^h>> ungiirul.uo, lophcato cum nppenthec ligulatn, apice rciuso, nunc einaigmulo, imo Eldont-vto tomplicaio — *lHwiqitduim hifluuim* [lochst niss PI Ab]sa Schimp Sect 2. no 570 — A Rich Tent (] Abyss II 303 — Radice biluheiosa, caule erecto 2—3-unciali monophjlllo, folio basi laxc \aginante coidato suboibiculau, apice oblusissimo; •loil>u_s buns biCMiei pedicollatis nd apicem caulis, biacieis fohoceis ovahbu« obtusis °vnnuni aequanlibus. galca valdu convexa poslitc obtusa, amice apice Uiflda, sepalis laicini'bus dependcnubus obo\ahbus, apice obtuse, obliquis, basi alienunlis, labelio obo\ali unguiculato inlogio, sepdlib latuiahbus aequilongo — Habuat MI Abj8Siniaeraonie Sellcuda prope Adoua

f loon addenda.

D) GORD\TA Sw _ Rci,], fil Oich Em. tab ? fig 2T-30

1545. BPIPOCHJIII *Gmel.*

(LO 383)

¹ ^ APHYLLUM Sw. — Rchb fil 1 c 1 116 a De pollin Orch. p 27 — „Epipogum
-iv-
um observare nuper non licuit Volde ambigit inter Neottieas el Euoperculaias
L

Quid cum Gistrodicis commune Inhpit nut inulligo i\on tognoti, in nilhcia pei-
sistal Caudiculae orlus singulais \idelui iNunt quulim lnln nid^i^ videlui tt muilo
migis icc<dcio id Ncoltieis Indicum nunc non lulcrim — Uhi id f uoperculatas
duxi, inihemm comparavi cum illis Ansellmiim Aspi<mi unique

1573 POXTHIEVA *It lit*

(LO 444)

1 'P MAC UI ATA Lmll — Mori Ann dc h soc digue do Gind V 89 lab *UI*

1553. PRESCOTTIA *Luull*

(l o 453 — llcbb til in Wlprs Ann I 806)

1 P (UIICOVAIJLNSIblcklt HI Litin XXif p 814 -Folns oblongisaculis, in peliolum multo
brevioicm t((enui(it> caule viginato vigims (5) membi inaccis, ipire lihcio (oliaceo
in infeiiionhus, spici dinsiflon biaclicis ovatis icons, llonbui bitvionhus pen₀onn
phyllis oxtcinis hnceolalis ohtusit, p< ngonii plnllis htcnlihus initims lincinbus ob-
(usis icnc\> Inhello mviculin obtuso, maigine inlevo cionuhlo, coimculis biseos
falcatis {,)iiosionno bieivissimo — Habitdt in Dnsilnc moniibus (oicovailo

1553/, APHYIIIIORCHIS *Blume*

(Blume Mus bot Lugd Bat p 30)

Pengonii suhnngentis phylla libeia, subaequaha, extnora lateralia
labello lon^iora Labellum ungue lato basi gynostemn ailixum patens,
conca\um, limbi tnlobi lobo medio cucullalo inciassalo Gynoslemiuni
mediocre, (ci^tiubculiim, androchnio supra anihuii) Joinicalo chlatalo,
bicorruculalo Anlheia Urminalis, coidifoinus, (lenticulo mtti comicula
androclimi annexa, directa, antice rums duabus lon^iludinalibus dchiscens.
Pollen pulveieum piimo in duoJ>us pollinns bipaililis coliaeiens — Herbal
Javamcae teireslics aphyllae ladicibus fibiosis, scapo vagmato, Houbus
paivis, la\e iacernosjs, puipuico-slnolatis — Genui* i\colliae Linn et Li'
slerae R lii. pioxunuin, *sed* peculian labelli foima pliylis pengonii ex-
tenonbus lalcialibus brcvions cL andioclimo bicoimcula(o ab utioque
di\eisum Ammadvcitendum aulem pollen modo ante florum anthesin m
massas *sivv* pollinia conibinatum, deinde \eio specie puhens granule
minutis fonnali invenui, nullo glandulae nee telae elasticac *accessor*^
vesligio Idcuco etiam subordim Aiethusearum annumerandum.

- 1 A PALLIDA Blume, Mus boi Lugd Bat p 30 no 62 — Pengonn phjllis inieriO-
nbus eztemis lalionbus,^ Blume Bijdi Flor Ned Ind (1816) Oicb llg LXXVII -
Radix flbns compluubus verfpiculanbus oinosis villosiusculis boruonlaliler exif^{nsis}
composila Stipus soliianus./pcdahs, leclus, leies, pallidus puipuiascenli-stnolatu^i
mferne glaber, \nginuli> alteims rrmolis lubulosis mcmbnnnceis, ore oblique trunca*
can* arete cinclUN supcine simpliciiei lacunosus et nonmhil fusco - lepiusos, ^{ra}
cemo Iaxo, eifclo VPI apice ccinuo Floies bievitor pedicellali, erecio-patentes, v^{0^1}
unibraciaii Biacleae ovano iriplo breviora, ovalo-oblongae, oblusae, leflexae ^u
fure fusco punctaiae — In sjlvvis u\idis montis Sabak Javae insulae fere 3000 p^e
supra miris lequoi
- 2 A HASStLTII Blume 1 c p 31 no 63 — Pengonn phyllis inienonbus exiernif ^{a0}
gusuonbus — Habitat in sylvis monlis Pnngnrnnghu Javae ihsulae

1555. *ITFEOTTIA R Br*

(LO 457. — Rchb fl. in Wlprs. Ann. I 806 - *Listeia* R. Bi - LO. 455)

A. *Eunootia*

- 1 *N NIDUS AVIS Hich. — Rclib fl. Orch Kui 121 a Do poll, etc p 19 Rndites hujus planlip milnhili inter Monocoqueas more pemmHs leimn.iles geieie, jdm nnte non-nullos nnnos Thamndi ohseivnvi Qua de le additis icombus alio loco dienm
2 'N CAMTSril \TI A Rclib. fl 1 c p 147 lab 126 — *Neoltia Kamtschahca* Lmdl. '

B. *Lislera*.

- 3 * N OVATA BII a Fingh. — Rchb fl. I. c. tab. 127
4 *N CSCHOLT/JANA Rchb fl I c pag 14S. tab 126 — *LxsKna Kscholtziana* v. Chamisso, Linnndi III 1828 33
15 * N CftRDATA Rich — Rchb HI I c mb 128
fi *N UANKSIAISA Rchb fl mss — *Listera Banksiana* Lmdl Oicb. 455.
7 V.N. AUSTRALIA Rchb til mss — *Ltstera aushahs* Lmdl. Orch. 45b.

1557. *EPIPACTIS Rich.*

(LO 460.)

Aithroclnlium Irmisch.

- 1 'E l>ALUi>TRIS Giani7 — Rchb fl I c. tali 13b.

Kuepipaclis Irmisch.

- 2 *E ILLLEHORINE Cidiilz
1 *microphylla* Rthb fl Orch. Euiop p. 141 tab. 132
2 *lubifjinosa* Cinntz — Rcbf fl. 1. c 132 133
3 *vmians* fianf/ — Rchb fl. 1 c. lab 134 135. 13b
4 *vtticlans* Ci.mU. — Rchb. fl 1 c. tab 13b.
5 *violacea* Rchb fl I. c p 142 t 134. — Hue E PYCNOSTACHYS G. Koch, L'maea XXU 28J — I aulis puhciulu^ ckitus, folia infenoin Into ovata acuta, m>"eine ei nem* pubestenti-^cdbin, doisa, supcuord oblongo-lanccolfla, plerumque co*nplitatd, bidctcie elliptiac, lloibus indgms niulto loiigioies, peianthium campani<ldiuni, supahs oxalic, Ubu ailiculus anienoi ovalu* obtusus, gibbi* bjseos conu- & l s — *E lau folia* p. *pijenolachys* G. Koch 1. cit. XIX 12. — Ciescit pi ope **Brussam**

1559. *SPmA tfTMES Rich.*

(LO. 463 — Rchb fl. in Wlprs. Ann 1. 806.)

- 1
2. I^{Sp} AUTUMNALIS Rich - Rchb. fl Orch Europ lab. 122
3 . | B^{AEST} » VALIS Rich. — Rchb. fl I. c tab 12^
' «\ AUSTRALIS Lmdl, - Rchb. fl. 1. c tab. 124.

- 4 * SP ROMANZOFFIANA v Cham - Rchb III I c tab 125
- 5 'SP GEMMIPARA Lmdl — Rchb fil 1 c tab 125 ad Engl Dot 2736
- 6 SP VIRWILS Ingelin Bo&lon juim N 236 — Rndio (asutulala, caule folulo, foliib lint ii ii * supcuoubus smsim niinonbus vagmantibus lanceolato - subulali*, si »MNN k< till;* |ii IH>I (oliaiitiiiibii!) oblongo-linembus, htenhbus inguslionbus labtluin nlhxmn in iiiiiaiuni iipit< non dihlalum toquanliluis vcl Mipei mlibus* — llabi t il in ie| IIIK I TIVCIINI

f Icones «ddenrtne.

SP GRACILIS |{itl - loir Hor of New Yoik II 282 -| lab 12b

SP (LRNUA L (Rich - I n i I i ^83 f lib 124

1560 STfiJITORRHYLirCHUS *Rich*

(L0 47b — Rchb III in Wlpr* Ann I 807)

- 1 ST SPICIOSUS *Rich* — Hue cerlc ST NUTANS Kmh fit Bouch Index sem m hoit boi liuolin a 1818 collectoium p 12 no 10 — Glibeiuius folns oblongis acutu^, nifiiiie anguslilo-pdiohli^ w\ undatis, cauk *X ipifoimi pnmo LILCIO, *ub anthe-si nuinlc, squamtlo, squamis remouubculis vindibui anipltxitiuhbus, spica o\ato oblonga, bratK is lancoolaiis atunimalis loseo - coccmeis, floiem subsessilm Vi supeiaiiuhus, labello anluc oblongo piano siibaciiniinlo, ipioc It\itci rttunaio — Habitat in Cwaca»
- 2 ST (Sa)6oy/o«w)NOVOHUDIjII(il NSIS Rchb fil Linn XXII p H5 — Spicipluufioia, lloribus nppiOYiin Uis erecto-pdtontibus bracteis hnccolntis ncutis pubciulis., ovana infoiOia LMtduilibus pengomi phyllis extcinis ovdlil subacutM, < \tus pubtiuliii, latera libus in cakar spumiin cum ovauo conjunclim e^eunlibus pciigomi plivllu. interns oblongis acutis nn^usiis, Libello ungmculalo, in Lmn.ini lon^ain anguslim, dpice oblemfoimein piодукio, plua unu in utioque lalcio ante Kiiiiinuni lemfuimem niaculotain obscuim piocessu rosiellnn piодукio — II ibi it in IiaMln |H0|eNtu Ficiburg
- 3 ST {*Sauoylotlis*) ARRADIDAL Rchb fil I c p 815 — Spicn densiuscula, pengomi extus pubestti)lii>»li\llosupicmo oblongo acuto, latcialibiis subaeqiidlibus oblusiusculis, infrne in &accum gibbosum connate, pengomi pin His lateralibus intcmib ligulalisjnedio dilaiatis, supremo extomo sujiposilis, labello oblongo sub apire piulo dilalaio crenulato emai' gunlo cois>inc to, basi inliina unjuicuhio into ungmm bicutu sngittalo, c illo «ai nosO magno, ab unguis apice usque <il rt^ionem conduct un labelli, g\no>lc mio giacili apice tuciuri — Habitat m Biasilnc piOMiua Mm\ (in,ih

1564/j CORYKIBIS *Pel -Uiouais*

(Aubtit Aubrl du Pelit-Thouais, II>I dc> Oich ittimllib sin les Hois lies austral⁶* (JAA/que - lie lib fil in v Mofil It \ StJilchri llul Zcifg 1849 p 886)

Omnia Chloidiae, sed g\noslemium cum pl^llis laleialibus inlem^ et Libello basi connatum, fififoime, exsertum, pengonio muJtoties lon gius, phylla laleraha extern*! medio caunala, ob caimam angulata.

1. *C THOUARSII Rchbch III I cil - Aubert - Aubert du Pent - Thouars I. ci». «*
37 38

1567. CHEIROSTYMS *Blume.*

(LO. 488)

- 1 **CJ** (DOSSIMA Morren) MARMORATA Lmdl ins* ex A an Houtle, Flore tics series IV tab 370 f — Ruzomale repente, folns 5—7 subradicalibus ovdlibus ciaSsis, apue tecuivato - acutH, basi in petiolum brvtm \iginantem autumn*, supia papillosulii* 5-neviiij) (nevis inieimed obsolete, venulis iicgulauter suiploue anabtomosunlibus sublavidis) vucscienti-biunncis, infia iibistcniibu*, scapo pubc^cente uodoso, j>qud-inis 3 — 4 lanceolato-aculis vix amplexanubus, spita multillora, biaueis. squami* tonfoiiiibus ovanum lorum ad medium aequantibui, btgmenti^ mtcims ba&i ovalo - diliilalis, hiterahbus angustib faltatis, supremo ovaio (omnibus glindulObO-pilo-^i>), Idbelli lijpoclilio intus bicalloso basi gibboso, ad laten picalo, inctachilio flsso, cpithilio subquadidto lato emagiii.no, ggnoslemii jnocbsu apite dilatalo bidentato, pollinns 2 — Java

1572 OODYEBA *Bl.*

(LO 49i)

- 1 **G** MULLCFJT.NDALIANA Rtlb flj Lmn.iea XXH p £61 - (aulc pilis pubeiulo baai folio>o, fulioiuin \aginis ampli^, m peliolos aienualis, fuliis o\aiis aculu* (litmis iiumMUMa dlbidib (>) mine inlenuplib piUi&), vjgmis* 2 m taule inembianacet* IJII-teohUis, 1>Jaclcis similibu^ OWUJIS bievionbus, 4>pta paucilloia (5), o\()iiu pubeiulo |>eii_0^onii jdiijllis cxlci n& Mibau|inlj>us> I mceoldlis ;>ubatutis, pciigonn fihytis lateid-libus iniciDis antjUslionbu!. cunalis obliMb labello sdtcalo, inlus p.pilhb (ilifoimibus °bsito, apice in Inminam subacquilongam hncuolalpm, cannis 3 longuudinalibus aspe- tam pioducto rostollo buuspidato — Hnbiiat in Jnponio

t Icon Addenda.

- 6 **RIPENS** U Bi - Rrhh fil Oich Eui tab 130

1577. AJYOE€TOCH1JLU» *Blume*

(LO 498 — Rchb til in Wlprs Ann I 807)

- 1 **A** ROXBURdHII Lndl — Hue A LOBUANUS Planchon mss in Van Houtto, Floie de»
 s»ies V tab. 519 — Caule cncilti 1—1/n-pollicdn subrepente folns 4 — 5 mlei *e
 Parum disiantibus, in petiolum basi dilaiiaia .ini|iloxicaulcm coniaclis, ovaus, hasi ob-
 lusa, .pic atuii!, mucionulatis glabus, aupi i atro-viudibus, \nriurum leliwlo auico-
 nente pictis, in medio di^ci macula loseo - llive¢i - albida nolalis, subius» loseo-
 rubescentibus, \eius di«(oloribns 7-neivns, srapo 6—10-polhcaii, mfa lloies 3-bta-
 J^tto, sicut biacleae, ovanum sepaiaque pube glandulosa tccllo, lioubus 10 — 15,
 .r&u ea& lanteulalas doiminalat, longe supet.uilibus, labelli hmbuis lateidlibus ulnti-
 Ue 5—7, quam lacunae apicales oblongo-Jnuaiies bieuoubua, piotes»uuua bdbilanbus
 labeli elongato-ittangularibus, gnosieiniuin subaoquantibus, calcari satufuimi conico,
 Varlo plunes brovioie, apice emargmato — A *ianthophyllu%* llort

Obs Utnusque synonymi specimen leneo authenticuml

Rchb fil

1595. PTEROSTYIIS H Bt

(LO 387)

- 1 P MITCHELLII Lnull in Mitchell, Join nil ol tropical Austialia p 365 adn — Folns omnibus radiculibus stellatis viginis scnpi multilloii 3 lemolis, sepalis setaceo-acu-niinatis, libelli hmnn o\alo-lintui obtusi nnalicul.ua turp a >llis» (lutcis) aiticulati* cimill — Ciescit in Ausli ill i oueniili tropua

1604. CHIORAEA Lindl

(LO 399 — Rchb ill m WJpis Ann t 808)

- i CI! BESSERI Rchcb III Linnacd XYII p 862 — Peiigonii phjlo supiero lanceo-I no acuto, laicralibus oblongis npice obtuse dilataiis membranaccis, pengonn phalli? interms hlerilibus oblongis obiusis, Insi cuneatis, >enis a basi usque supra medium Ldllulis parvis obsitis, labello oblongo subarulo, mine obsunssime lulobulnio, cuslis* ^ iiiiis» n basi ultra medium, marginalibus falcalis, inteijectis callulis sossilibus, lamel-Tis modus nunc falolis, nunc ([iadratis in maiginc supiero verrucosis — Habitat in Chile
- I CU S(FPTHUM Rchb III I t p 862 — Pengonn plylhb exteinis oblongis oblusius-cnlis subacquilibu!) liomodeinnlicis peiigonii phyllis lateralibus inlorms brevionbus I >l oribusque obiusis, basi cuncids, hbello biCMOie nnnifoste tulobo, lobis obiusalis ticalis, inedjo producto, ncivis in ima basi ensus crenatis, hinc usque nnie apiccm 11,1111b niifoiniibus ciibtatib \cnis in loins hternlilnis mine vdcosis *— Habitat m (ult
- 3 CII LICHTI ROGLOSSA Rchbtb III I c p 863 — Pengonn plyllis exlemis oblongis, ipite .mgusiiiiis obiusis, latoralibus* apice inciassalis, pengonn phvllis laicralibus m-ti inis oblongis obiusis cuneatis, \crns a basi ad medium vancosis, nunc cnsligeris, hbtlllo cuneito subsessih inlobo, lobib latcialibus i oiundais crcnalis, medio pioducio o! tuso giosse stunto, \ems ? mcdiams basi cnnnatis, demum usque supia medium c illis flJiioi inibus subeic(li>> obiusis oblcctis, veins loboium laieialibu^ ensus admt⁵ mlinuplis obltclis, patina labelli infcnoc ninc mde callosii — llabitnl in Chile
- 4 CII PHILIPPII Rchb III I c p S6i — Peiigonii plyllis quinque lanccolaus acunn* i alis oiniuiio inombidiatLii bulnequalibus, labello lulobo longe unguiculato, lob⁸ Jiilerilibiib loiundui*, incdio Janccolato acunnnato, maiginc nunc deniiculato, **label** jüg-in i pipillii bicvibus file His oltfcta — Ihibitat in Chile
- o CII PRODIGIOSA Rchbch fil 1 c ji 863 — Peugonu ph\llo supiero oblongo aculo cuneato, hici ililms angusiis icutis, opice inciassiiis, pengonn phvllis* lateralibus in-leinis oblongis cuncniis hbtlllo obsokie lulobo, lubis hteidlibus obiusatis abbreviB^r us, anluo soiiRiis, medio pioducto oblongo senalo dcntito, papilhs Til cans long⁸ ^racilibus pti medium, vcnucis piucis in lobis lateralibus cnsla poljrluctjla in b>sl* lamellis chvatis bicvibus ct clougiis in pagmae mtcnois pane me lia antenoie " Habitat in Chile.
- 6 CII IINGUIS CATI Re libch III I c p 864 — Pengonii phyllis exteinis lanced*^ elongdlis anguslis, apae subarulis uon incrasoalis, pengonn plyllis laterulibus i^{fltef,} nis ldtionbus brevjonbus subobtuMS, basi vancosis, labello tulobo, lobis lateialit^{u*} lotunduis citiulaiis, inteimedio pioducto obiusato grossu sorralo, enstis t^{flSllor} subsessilibus, discoideis falcitis ncutis copiosis, ver ucis rotundis plania in **apice** labelli. — Habini in Chile

- < (H VENOSA Rchbch ill I c p 864 — Perform phyllis exierms oblongis, obtuse neuns, pengonn phyllis. hleiulibus interim oblongis acutis, hasi cuncatis, bievionbua, iabello oblongo oluuso obsolete obtuse tnlobo bene unguiculato, callis labelh in basi et medio Irifoimibus, nunc lalcatis, nunc lamellatis (in laienbus), nunc productis lancets (apice nunc iridentatis) — Habitat in Chile

1605 ASARCA Lindl

(LO 40b — Rchb ill in Wlprs Ann I 809)

- ¹ A BERTFRI Rchbch fil Linruica XXII p 861 — Pengonn pbyllo supremo oblongo tcuio pengonn phyllis lateralibus Inleims subaequilibus bievionbus, lateralibus excirrus lanceolalis elongalis apice mci a&sitis I ibcllo tnlobo, lobi* later ilihus subqua •Inns, hmellis 2 — 3 integns cum neno medio dueigentibus, du,co piuciappendiculato, lobo medio poriccto ligulato obtuso, niaigme venucoso, disco prope nudo — Hnbmt in Chile
- * A PLATYANTHA Rthbth hi 1 c p 8W — Ptngomi pli\llo ellerno supremo obovito obiuo, htenlibus oviiio -hn(nohtis, npice aicnmtis mciasntis, pengonn phyllis lucralibus internis obo\au⁹ cuneatis, inn basi nunc vancosis, Iabello tnlobo, phyllii, exteinis duplo breviora, lobis latenlibus tranaveise oblongis, cnsta iiansveisa iamosi signalis, lobo medio lanceolato obtuso, papulis lanceolatis, alus ^{arcus} alus integns — Habitat in Chile

1007. ItIMOBORUII *Tournef*

(LO 398)

- ¹ ¹ AUURIMJM Sn — Rthb fil Oicb Lui t U9

1008 CEPHALAHTHEB1 *Huh.*

(LO 411 -Rchbch HI in Wlpi«, Ann | j> 809)

- ¹ ^c RUUHA Ilicli - Rthb til Orch Lui t H7
- ² ^c ~~XIPHOPHYLLUM~~ Rchb III I c — *Cephalantheta ensifoha* Rich — Rchb fil 1 c p 135 i U8
- ³ ^c GRAINDIFLORA Bab - *C Ionchophyllum* Rchb III 1 c l 119-120
- ⁴ ^c UCUILATA Boi^ - v Heidi m Rchb fil 1 c p 137 lab 120 - Ovano glabro, ^{ca} can conico nbbrevnto, folns oblongis acutis cucullatis — Lieta

Subordo VI. JLHETHUSMULE *m*

1601 POOSTIA *Juss*

(LO 413 — Blume, Mus bot Lugd Bat p 31)

- ^{Peri} ^{m,p} ^{ora} ^{Paulo} ^{vo1} ^{Pat} ^{ente} ^t ^{integro} ^{vel} ^{lobalo}, disco cnslao, saepma papilloso ^{arbato} ^{Gynostemium} erectum, clavatum*, submarginalum, dorso

nd npicpm eibbuu) Anthem leinuinlii slipilala biloculans, oculis dislimlis, dissopimenlo tandem ohlilento Pollima duo, sulco bipartita, J:I innlosa, Ida clashca inacidum IOSIHIO apiculato asplulinala— Herbae loneslies in Amcned boicali, Asia liopica **inbilisque finitnnis** obviae tuboribus sphaenus, caudicem dc^cendcneni leiminantibus, folio saepius nno, Hienbranacco nu\oso, in scapo subsebteli aul ladicali, pcliolato, flonbus luinmahbus, **soilaius** aul subiamosis, xircnlibus, albidis ^el Jilacims, sacpe ccinuis — Soctiones pencils Pogoniao aV Doct Lindlej piopo^lac ad duas uduccre poss(\idcrmir nrmpe hupojoniam, quo speciob Islae 01 his no\i, atquc P *ophioglossotdes* **Suit** <\ P *duancata* It Br c\ INuuliam quo ^ptcios in Asn finihnn«*quc infills ct piocul dnbio **il** 1 minus bcne nota *Aielhuw* Ibouais \ *Haplostelhs tiuncata* A ItJcli L\ juMila MiniJIII lefcrendai snnl In ilia stclione folia sunt coactancii, in 1) \t aulem, quo species scquentes perlmuil, sed P *oiata* Lindl falso Klutm, l^sUianlhn utpolc post antlusin ckinum e\olula Ha(r liilcui inuquilis **floiurn** foliorimquc ovolutio quanlopre rectae s)ericium coLiuliom ad\ (is(lui, (t quain iacile jn enorem inducat, nemo lion inldliLol

- 1 P PUNCTATA Mumo I t p V no 65 — Folio subiotundo-cordnio sinunlo septem-
iwivio ^libro, snpo mulloio, hbillo sublnlobo, loins latcnhbus inms actis, inte-
incdio ohloitgo niuio nn lul ilo biibciislalo Q-hbio — Piovime nccrla nd P *Tuhanaw*
Wall ciljiis tmccii lobuli hlonlms hlulli tolunihli, ot mteimedium subihomboideuB
basi pilosus — II ilntii in svlvis humidis mni mis Jivae ortidcnlilis
- 2 V misPATA UlniP I t p 3^ no Gf — Folio subioimido tonhto *.mmlo mulnner-
MO, supn piloMiisculo, scipo unifoio, hbdlo indi\iso intus villosiusculo, limbo ro-
luml no unduhto ni^po - Hnbitit in monMnis Tivte occidennlis
- 3 P DISCOI OH Hlumc I c p 32 no 67 — Folio subroiundo - rordalo discoloi multi-
nnr\io snpi I d in nom^ infin murioto, stapo subbinoio, Inbrllo IHILJM^O per axeffl
crisnto, limbo lolundilo imduhlo — *touUjlu iliuolm* Dlnrnc, ftijrii Floi Ned Ind p
417 — *Iloihnstinutn* Wifco/ot Dliim II J^ Pmcf — I mdl den ind spec Orch P
453 ii — P *i lvalue* Lindl Utinfilii r*i (limn pioximo ncccihns nb Inc **tamcn**
non nngm folns vubtns \iuhcois, «ju un Innbg 1 ibolli lotumhto, non bilobo (NITet —
In s\lvis uvidib noiiilinis Ja\)p ofcidcnlilis
- 4 P (O\ f 01 on Miime I t p 32 no 68 — Polio Mibiotnndo j oidilo lontdon **multu-**
ncvio f,hbio, sopo miiltifloio ncomoso, hl)olli lulolti lobo medio clon^ilo acuin"
mlo — *Loidijla* IOHIOIOI Ulnir I c — *Uuphosltmon umcohn* Hlumc I c el Lindl
I r 1 — Cnm ioinn folioimn linn iloium imdnloium lacemo'.ojuin P *hfiviliae*(s
P *flabtilifoi* Mi I null) iffiriis, sed conforonmi/onc hbrlli supn mdic.Hn satis divert
— In sjl\vis monttnis Jivae occidentalis
- 5 P NCRVHIA Rlume I c p W n M - Folio subiotundo - coidnto itpindo concolofl
iTuillint i vio ^hbio, scipo mullifloio inrcmoso, libelli tnlobi lobo medio majon oP"
tuso crenuldto mlus MIOSIUSCUO — *' flabilUformis* I mdl in Wall Cat no 7400 —
Fliisd Gener and sp« L Oicb pig 415 D — *i\civdia Aiayoana* Gaudich **Voyage**
Freycin Boi p 422 lab 35 (mediotiis) — *JSuvtlia* Commns IQ Herb Mus> Pans ""
In Asn insiilisqut> iropiris et cis el lians Acqintorcem hie dispca

Obs Unit genen peimebit *Iilboichis* lollingei ft Moni/i Cf Wlprs Annfl f
pig 775 (Rtlib ftl)

1601, Ti£U€OR€HfS *Bin me*

(Blume, Mus hot Lugd Bat. p 31)

Pengonn bilabiah phylla basi connnta, extenora lateraha labiumi **10**
lenus emargmatum, dorsalc cum mlenoiibus labium supenus **tfidam**

exhibentia Labellum ungui gynoslemn antice producto articulatione affixum liberum ascendens, basi angustatum, limbo patente dilatato-rotundato indiviso Gynostemium mediocre semiteres arcuatum clavatum apLeium, rostello abbreviato Antheia lerminals operculans uniloculms Polhnia ?- Herba Jd\anica terrestns, fortasse aphylla (?)•scapo racemoso, flonbus albescentibus — Characteri genencus ex bievi annolatione de hac planta a divo Van Ha&sett relicta desumptus est Cum \ero de polline, ea penodo, qua Van Hasselt flores investigavit, jam anthera adhuc persistenti operculari emisso, nihil proisus sciamus ne tnbus quidem, quo hoc genus inter Orchideas pertineat, satis certo indicari potest. Non longe tamen a Pachychilo nostro abesse suspicamur

¹ L BYLVATICA filumc 1 c no 64 — Hibitai in sjlvis Javae insulae

1606/, CXEISTES L C HiUi

(LO 409)

¹ CI PALUDObA Hchbch til Lmiuen XXII pa/ 81b — Louie <lijilyllo iniifloio, folns ~~brevisimis~~ hncoलाईs acutis 'squamaefoimibus, bractea subaequoli, peugonn phyllis ~~exteinte~~ oi laterolibui intemis lonceolatis aculis, labello oblongo ligulato, laienbus obscure lobntis callis 2 creclis in ima basi sub gynosletnio, pagina antenoro verrutosi — Uabiāt in Paia

² L LILIASTRUM Rclibcb Ql 1 c p 816 — Caale folioso, folns aculis, basi subcu-
neus opicc umfloro, pengomi phllis exleini<> lancoolntis aculis, perigoriu phyllis l^ibralibus inienus oblongis aculis cuneatis, hbello oblongo, apico suhacuto partis ~~''''~~enois niarginu cienulalo, lamellis 4 *pei* medium, supoine papihs hispidulis, •osicio denuculalo senalo proces^u medio eieclo billio — Habitat in America aeijui-
''octiali

1611 SOBRAI ill Hz POL

(LO 17b 430 — Hchb HI m Wlprs Ann I 809)

¹ h KI OT/&CHLANA Rchbch Ql Lmuaea XXII p 815 — Caule valido, fohis oblongis ^{lc}unainitis vaginis nctisi lugosis, bracleis oblongis aculis papillis pugiomformibuis ^{bp}uniim, mioscopicis obsilis, peugonn phyllo exleino supremo ?, latoralibus ob-
^{long}gis acuiis, basi cuncalis peugonn phyllis lateiulibus inlerms subaequalibns, apice
*, hbello cuneaio oblongo, nnlice maigne uudulalo, lineis 5 ele\aiis modus non
_d al'item piogndienubus, aiilioclimi dcnlibus lubus subaequilongia - Habital in
^p<u\ i, prope cijicoployn

² S PAU\DisiACA Rchbch fil 1 c p 816 - Folns oblongis acmnunlis, basi angusia-
lls» ^{vi}gmis venucis nigus S *violaceae* Linden deslilulis, bracleis ommno foliaceis
^{an}8usus, vigmal. pane deflc.enie pe*igon»i phylls exl^rms oblongis, apice medio
~~«-pudat»~~, supremo bisi cuneato, fanganu phyllis hieiahbus iniernis subaequalibus
k:~:~:
-<woribUI uiululalis sessilibus, labello oblongo, basi angusliore, anlice prope retuso,
^{undll}^lo, ^{Uldo} (concivo?), dentibus u.bu? androclimi acquaUbus (nee laleralibus
^{lO}orre ciis ui m S *uolaceae*) - Habilai in Menda aim MOO peel

t ieonefl addendae.

³ ^JACRANTHA L|ndI — , w | prs Ann I 809) - Boi Mug tab 4446 - Paxlon Mag
.*.*" XIV 241 c, c

1612, *ERYTHROBCHIS Illume.*

(LO 438)

- 1 °E ALTISSIMA Blume (*Haemalorchn allusiwa*) Bluroe, Humphn IV lab 200/B —
Fructus ac semen — Icon mtidissima

1014 *AXIIAIAA SW*

(LO 434 - Kchb ill in Wlprs Ann I 810)

Monogi aphia in cl Mouen, Bull ck I acad dc Bruxelles XVII I 108 sqq

Subordo VII. **CYPRIPEDIEAE.**

1618 *CYPRIPKUM linn*

(LO 52i - IUhb III in Nips Ann I 810)

- 1 C KLOT/SCIII AISUM Rchl> HI I iruiw n W11 p 811 — Pidnuulo sublereli, IUM nurn
unifoliato pubriulo squama to, sqmmis mipirmis oblongis oblusis, opicc *i* — 3-flmo
brartei!» ovatis ncutis tucullalis, peiigomi pilyllo supremo lanccolalo acuiiu&culo ex
tus pnbe^tenc, lateralibus cxiemis roilnis Inuoribus, caeteium ipquilibu« pengonn
phvllis loteralibus inteims hnccohti*, npice vnldc atlenmtis maiginc undulalis, ex-
tern JS terlia pflrle longiouluis, hbillo o\ato conliacto, oie subovali, slarmine otenli
tnlobo, lobo medio ncuio, laieralibus tiansvcicis rhombus pubnulis — Habitat in
Guiana Bntanmca
- 2 r CARICINUM Lindl in Pixt Flow gnid I p 39 — Folns anguslissimis conaceis'
acuu unicofialis, scapi tomenlosi longitudinc, race mo plm ifloi o, biacieis ovitis spa*
thnceis glabns, ovuno glabro brevionbus sepalis lateialilms connatis labelli longiiu-
dine, petalis in Cdudam aciiminntu* — Habitat in Boliun

Venus La

- 3 C GLANDULIFCRUN Ulume, Huinplna IV p 56 et tab 195 llg *i* (nomine *C tnnngne*)
el lab 198 — Acau'e folns conaceis ngidis lineanbus oblusis, basi canaficulatJS >
scupo pubescente subbifloro, pongonn phyllo doisali oblongo - lanceolato jruminatOj
margme saepe tevoluto, interioribus linoanbus acuminali&simis undulatis, ad mergine*
inferne glanduloso-baibali9, atamine stenli foimcato, antice in rostium protiacto p^u
berulo — Blum Cent Plant nov alt — Uabitat in syhis Novae Gumeae in veUist"
putridisque aiboium truncis — *C msujni* Will afdne, std phyllis pengonn intenoH*
bus mullo ingusiionbus acununatissimib el stamine stenli aliler consiructo ab eo <^b
unde diver^um Alia species, *C Javanicum* Reinwdt , est vix a *C venutto* Wall dJ'
stinguenda
- 4.G SINIPUM Hance PI nov austro-chin med fa<c II p 1 (Char rcf etampl e* autopsia ip**
vivi) — Aouledodiantale folns radicalibus basi vaginante glanduloso-ciliati^ subcain⁰
sulo-couacejs oblongis apice 2—3-dontaiis siriauis, medio cenalicutntis supra Ipteo-^1'
dlbus, maculis atio-vindibus noiatiss, subtus **pollidis** concoloubus, roargmijms minqM^FY⁹

subh\alino-rienticulatis, scapo hirtopubescente purpurascente, bracten ovario vix dimidio brevior apice 3-dentato, stnmme stenli mHgn lunato, sepahs Inbelli duas terliasaequantibus exius buto-puberulis, nnlico Innceolato npice obscure bidenlato labello brevior olbo vindesceme, postico Intius ovato acuminntissimo basi vix cordalo, albo, lincis virldibu* et puipmeis pncurso, pctalis oMongis ^libus, obtuse el falcnto-Mibnruminatis subundulalis glanduloNO ciliatis purpuieis oxius undescenlibus inlus versus basin satmate purpureo-punctatis, labelli oblongi infi-iii oiclaimlms inflexo et utnque lobo obtuso eiecto auclo, e\lus hepjllico-pmpureo, sublus uicstente, intus puipureo lineis etpunctis 3aiui ntioiibus moie *Digital*% pmjiuieae* nolalo — Sepalum dorsale 1% poll longum 1/4 poll Idium Peiah l/i poll longa, % poll lala Lahellum venlncosum 2/4 poll longum — Specie* pulcbeinma soh, ut videtur, hucusque in China repeitt, *C pwpwato* Lmdl aicis^ime vidctui propinqua, quod autera nee e\ cliaraclere nee exflguiaCI Wight (Icon N India o uieni) dignosci potest — Habitat in insula Hongkong

t Ieones ftddendae.

Calccoli

- r LAI CLOLUS Uuds — Uchh Ql Orch Eur t 144
 C GUTT^TUM Sw n *vulg ire* Rchb fl I c I 134 b *litdowski* Rcfab HI I o p 16b t 168 — \nn Houtio Flore des seires VI 131 f I 573 Intle *Paxl* 8r Lmdl Flow toid | 183 fig 11^
 C MAC RANTHOS Sw
 a *vulgaic* Hcbb HI 1 c t 146
 p. *venlncobum* Rchb HI I c t 145
 ^ SPECTABILE Sw — Von Houtte, Flore doa series V 430

| *enusta*

- C CAUDATUM Lmdl — Paxt & Lmdl Flow gnrd I 37 lab 9 a p 40 (c ic xylogr) - V-ii Houile, More dos seires VI 99 t 566
 c I OWII Lmdl — Van Houtto I c IV 375 — Morion Ann de la soc dagnc de Gand IV 175 l 195
 C VLNUSTUM Wall - Rchb fl Orch Eur I 4 tig 37—41

1618/;. UROPfiDIUM *Lindl*

(Oich Linden p 28)

- i • U LINDCNII lmdl - A Hiongn Ann sc nat (3 S«*r) XII 113 f I 2 - Von Houtte, Flore dps senes ^ p 1^3 r ic xylogr

Subclassis V

SOTAMIfEAE *Lmn*

(Meisn Gen p). vascul I 387 IF 290)

Ordo CCXLV. ZINGIBERACEAE L C Rich(fendl Gen pi p 221, Suppl I p 13G8, II p 22 - Meisn Gen pl vast I 388 If ^90
- Wlpis Annal I 810)**1623 CURCUMA Linn**

(Linn Gen pi no 6)

1 (DLDCIPIENS Dalzell in Hook Kew gard misc II 144 — Perenn* e radice fibroma
tuberculatus armgddloideis plurimis pendulM intus candidis, scapis primum lateialibus,
postea ex axillis foliorum e solo tardius emergentmm centralibus b — 8 poll longis
clavis, foliis late ovalibus glabris, raro subtus velutinis, longo petiolalis, petiole
laminae pediculi aequalibus, basi ^agmatis, bracteis floralibus saccdtis purpureis, mfe-
rioribus rotundatis, superionibus oblongis obtusis, flonibus geminis purpureis, calyce
infundibuliformi, corollae tubo dimidio brevioris 3-dentato, denibus rotundatis, co-
rollae purpureae tubo intus medio barbato, lacinis exterioribus oblongis, ^uprema
mucronata cucullata, interioribus confoimibus labio bifido, margibus trispis, fl<<"
mentum complanatum antherae longitudine, stigmato infundibuliformi anlice 3-lobulato ci-
lido glandulis epigynis longis lineariibus — Habitat in Indiae orientalis prov Malwja

f Icones fiddendae.

C (URDATA W.ill Plant Asiae rar I 8 f tab 10 — Hook Bot Magaz tab 4435 -
\au Houtte, Florae des serres V tab 448 — Morren, Ann de la soc d agi de Gand
V 177 tab 254

1630 HEDYCHIUM Koeniq.

(Koenig in Relz, Obsciv HI 73)

1 H CHRYSOLCUCUM Hook fief Mig t 151b - Paxton&Lindl Flou gard I UO ft
77 — Folis oblongo-lanceolatis nuncatis, spithis exterioribus obtusissimis, in-
terioribus ciliatis tubulosis, flonibus laxe spicatis, periantho limbo lacini exteriori-
bus minus imbricatis, minoris lacinae mediae rotundatae unguiculatae profunde bifidae, ^
interioribus oblongo-ovatis basi attenuatis, stamine lacini longiore — In ^D(1,1
orientali

1631 REHHEULIII* !mn

(Linn Suppl 7)

- ¹ R MONOSPERMA Miqu, I mmei XXII 80 f — RT izonmte repenle noduloso, coulibus stenlibus interne vigmatis, folns petiolotis oblongo-Innceolntis vol lanceolatis acuminatis membianareis glnbri9 pann) rdfemo rndicali peduncuhin biaccalo cdpsula (indehiscenie) monospermi, semine subsemiovoto nitido, umbihco vilde excavato — Crescii in sylvis Sunnamensihu* miximis pi ope Groote BOILI

1636 KEOHTOLOPHITS Ha//

(Wall Phnt Asia* rar I 24)

- ¹ M PHILIPPIANUS A Dietr Allgrm Gartenztng XVII 266 — Folns ndicalibus longe Ptiiohtis oblongis acutiusculis neivoso -plicatis, florum capimlis long(pedunculaiis radiolibus, labdlo lato profunde bilobo, flamenlo apice ligulotu, stigmuto peifornio vontricoso, ore flmbnalo — Crescit in India oriental!
- ² M SCAPOSUS Dalzell in Hook Ko> gaid misc U 143 f — Acaulii radice Qbrosi, tubenbus pirvis oblongis e flbns pendulis, loins lanceolans ghbns longe acummatis pecuolo hminnque aeqmlongis, sc po eiecto teieti bipedali parc folioso, spica terminali compacta imbncaii multiflora, floubus gennnis braclea lanceolate iriplo longioubus o\ino tulocuhri subiolundo semmibus in loculis plunseiintis anllaiis anllo plnnlobato — Hibitnt in Indiae onentalis distuclu Mnlwan

Ordo CGXLVI. CANNACEAE Agardh

(Fundl Gener plant |> 225 Suppl I p 1368 — Meisn Genor plant vnscul I 389 II 290)

1641A STROITIAXTHE *Sondei*

(Sonder in E Olio, Allgem deutsche Grtnztng V 225)

Coil^{ly} Caly s" Peius coloratus Inph>llus, foholis oblongis erectis, conca\is
 on^{ox} calycem aeqmns bisenala, series exterior inpartita, lacinnis ob-
 un^{re} reclis, aequalibus, interior e folns constat duobus inaequalibus
 mavi^{stus} palhulatis Lbellum nullum Stammodium pelaloideum
 lam^{mn} Kulatum^u concaiiu^culum, apice crenulato^u subpatulum,
 toem^u adscendente, apice cucullafa mtrorsum ocutum hla-
 lat^{erp} Petaloidea lineana, ba^i connata stammodio oppo^ita, sterile
 later^{exler} iore dentiferum, cucullo termnali stigma involvens, fertile
 exterior[!] exteriori anthenferum, anthera subpeilicellata oblonga, unilocu-

Ian Ovarium infeium, uniloculare. Stylus crassus subcompressus erectus, apicem versus subincurvus. Stigma deflexum liuncatum perforatum nudum — Heiba perennis: folus raaximis petiolatis discoloribus, cduhc erecto hcibaceo, spied paniculata bracteala, Iloibus intei spatham bivalvcm sanguincam t,eminis, pcdunuilalis Guius *Thaliae* el *Calathea* aflme, a *Maianta* longms dneisum

1. STR SA^GUI^^A Sonder I c — Foh<> petiolatis oblongo-lmearibus oblongisve acutis, subtus puipuiasttniibus spica paniuilala, duliha, biacleis oblon^i* sanguii" is — *Watanla sanqumea* IJoit — In India 01 lentnli

1642 MARAXTA Plum.

(Plnmiei, Gen 36)

- i M ? URAGHYSTACHYS Bnth in Hookei, Niger Flora 531 + — Ciilmo hasi vngmato, apice monophyllo, ad basin petioli elongati lateraliterflonfero spicis brevibus distichis Mibirms, bnca dispenia — Ciescit in Africa tropica Occident Ui

t Species indeKcripta.

M OR^ATA Linden in Vin Houtte, Floro dc* series I\ tab 413 414 (absq diagn)

1643. PHRYSTIUIH \Ulld

(Willd Spec plant I 17)

- 1 PHR FLLXUOSUM Bntb in Hooker, Niger Flora 531 f — Culmo folmto, folus long* petiolatis ovalo lanceolatis, racomis granlibus ramo^is, ovano villosis^iiuo, sepal^9 lanceohus, slaminodns 2 unguiculatis htis^imis, terlio eiccto conca\o obtuse siibl^11 lobo mi mis eicctis angustis, apice cucullais brevitci connate, alteto bine antheri' fpio - *Maianta flexnosa* Don — fieicit in Siena Leone
- 2 PHR UAMOMSSIMUM Itmh I c 532 + - Culmo ramosissimo foliato, folus sup'* \ ignns bic\jtei peliohlis ovali-oblongis, ncemis teimmalibus subsimplicibus, ovan^ pubesienlo sepalis lanccolalis, slaminodns 2 \ix unguiculmi> ovato - oblongis, b^91 connatis icitio bicvi latissimo, intimis creeds angusiis, apico cucullatis alto coonat^ altero hmc aniheiiifero — Crescil in insuln Fernando Po
- 3 PHR FILIPES Dnth I c f — Culmo ramoso foliato, iolns supra vaginam brevissiO^1 peholalis oxatis \cl o\ato-lanceolatis cuspidntis, rncemis g-racilibus pimculato-rnino^91 pauci/loris, pedunculit> bracteas supciantibus, flonbus parvi*, ovano pubescenCt^91 palis lanccohtib, slaminodns omnibus apice concavis cucullalisve, 2 obovalis, ie^91 valde dtflbrmi bilobo, inumis angustis, antherae flamento sublibeio — Crescit in I sula Fernando Po

1644. CAIrfATHEA G. F. W. Meyet.

(G F W Meyei, Punit fl Essequib 6.)

- 1 C (MAR\NTA') STROUILIFEUA Miq, Linnaea XXII 79 f — Caulescens ^{ragul} elongatis, ore utnque subauriculato puberulis, caeterum glabns; foliis ^{ragul} _{subpetiolatis}

Innceolalis in acumen breve subconvoluluin puberulum desinentibus, serrulaio-scabris, uervo medio subttus prominente, versus apicem valde aitenuato ad eum fere pertinente; spica terminnli solitaria subsessili ovata imbricata; bracteis subpaiulis ovato-lanceolatis glahris, bracteolis carinato-concavis, dorso villosulis. — Crescil in Surinam in sylvis prope fluvium Saramacca.

Ordo CCXLVII. MUSACEAE *Agardh.*

(*Endl.* Gen. pi. p. 227; Suppl. I. 1368; II. p. 23; III. p. 62. - *Meisn.* Gen. pi. vase. 1. 389. II. 292. - *Wlprs.* Annal. I. 811.)

1647. **HELICONIA** *Linn.*

(*Linn.* Gener. plant, no. 1297. — *Wlprs.* Anna). I. 811.)

* *H. ANGtSTIFOLIA* *Hook.* Rot. Mng. tob. 4175. - *Van Houtle*, Flore des serres V. tab. 529. — *Morren*, Ann. de la soc. d'agric. de Gaud V. 413. t. 285. — Foliis lingulato-oblongis anguslis, ulrinque acuminatls, cosla subttus, vaginis petiolisque valde elongalis pulverulento -pubescunlibus, rhnchi llouiosa; spntliis (7) mullifloris lanceolatis ^{ac}uminatis complicate, spalhellis Innceolalis; sopnlis (nlhis) lineari-oblongis acutis ^{er}eciis, sopalo nano trulliformi. — Habitat in Brasilia.

1650A. **PHEtFAKOSPERMUItI** *Endl.*

(*Endl.* Prodr. 11. Norf. 34. adn. 8c Gen. pi. p. 229. adn.)

^{1%} *J*H. UIIA'NtSSK* *Endl.* I. I. c. c. — *Miqu.* Stirp. select. Guian. 213. f tab. 62. 63. — *Urania* *Guianensis* *Rich.* Mna. t. 6. ft 7.

Subclassis VI

EŸ § A T A E *Linn*

(Musn Gen pi vascul I 390, II *Hi* — Endl Gen |.I |> 151)

Ordo CCXLVIII. BURMANNIACEAE *Blume*

(I ndl CCH pi |> lbJ, Suppl I p 1359 11 13 III 59 — Meisii den pi v\>cul I 390
II @2 - WJps Aniinl I 812)

1218/, **IPTEBIA** *Nutl*

(Null JOMM arml Pihri Ml 64 t 9 fig 1 — Both PI Hnilw p 6? no 495 — **Endl**
Gen pi Suppl I |> 1359)

1 A IYtlLNAMIU KA Miqu Snip Suimam select 216 t 64 A — r-iule **lcoussimo**
bi — qindiisqinmuloto, siimplici vel bitldo, pengoiui subiriclm in subuiccoho lubu
lost danlibu» ixunoiibus imngulnnbus oblusisc ulis inleiiioibus anpastionbus e^t
bicvionbus inthei trum connttlivo \aU\ dilatito — Hibitat in buriinm

1218/2 **DICTIOMTEO1A** *Mien*

(MIMS Ann of nil lu^t V 133 — I ndl Gen pi Suppl I p H59)

1 *b* IOINGISTYLA liriih in Hookei, Nigei Flou o& f - Cault eretlo smiplici **flort**
bus solilanib pluiibusve laxe cvinosis \el unil itei ihier rnceinosis sijlo penantlnu⁰
Mibae(jiianlo, ovauo ecosiatio — CiebCii in Alucn iropica ocudenlah

1218/5 **CRYPTO]VISM%** *lurcz*

(Tuiczan FIOM [D /] XXXI 715)

Pen[^]o^uuⁱ coiollim tubus cum ovano connalus h iplei us, limbus **sex**
hdus, lacinns tubus evtenonbus nhs opposihs majoiibus couca^{*jS}
Stamina 3 lacinns minoubub apposita, hlamenlis lubo corollae P^{ef}
totam Jortgitudinem adnatis, nenis elevatis tantum manifestos, anther^{*}
connectno magno, dorso corollae adhaerente, apice bilobo, **loc**
obieniformibus, latenbus connectivi inipositis, in \al\as duas orbic^{ul}
res, connect!vo contianas dehi««centibus Ovanum oblongum **tu]k0J**^{8^}
multiovulatum Sljlus cylmdiicus, sdgmata 3 obovato-explanata^{ca.}

sula oblonga trilocularis, loculicis trivalvis, placentis tribus parietalibus crassis; seminibus minutis innumeris. — Herba annua gracilia glabra, simplex vel versus apicem ramosa: foliis alternis vaginantibus, acutis, fere squamaeformibus; floribus in apice caulis et ramorum capitatis. — Genus in ordine *Burmanniacearum* filamentis antherisque corollas accretis memorabile.

^{1.} CR. MALACCENSIS Turcz. I. c. — In peninsula Maloccensi habitat.

f *Genus indescriptum.*

OPHIOAUBHIS *idlers.*

(Miers, Flora [fi. Z.] XXXI. 10.)

Plan la humiJis parasitica Brasiliensis.

ff *Genus dubium.*

SAJBCOS1PHO5T *Blume.*

(Bluuie, Mus. bot. Lugd. Bat. p. 65. fig. 18.)

Flores nudi unisexuales. Masculi ignoli. Foemineorum calyx car-
^{Qo}sus, tubo lurbinato, cum ovano connato, extus rugoso-striolato, limbo
^{^u}Pero, truncato, persistente. Corolla nulla. Ovarium inferum, uni-
^{10c}ulare. Oophora 3, in fundo ovarii, lateralia, parva, multiovulata.
^{^l}ylus terminalis, brevissimus. Stigmata 3, divaricata, brevia, plana,
^{^oi}arginata. Capsula calycis limbo coronata, unilocularis, vertice cir-
[^]scissa. Semina plurima, fusiformia, striolata. — Slirps nana, *An-*
^{z?}^{Stros} quosdam satis aemulans, radicibus arborum enata, aphylla.
^{Det-a} ^{carhosa} pisces putrefactos redolens, scapum teretem glabrum, in
[^]Qicellos modo paucos breves ad basin squamula membranacea ap-
[^]esso^s unifloros divisum efformans.

^{1.} s. CLANOESTINUM Blume I. c. no. 172. fig. 18. — In insula Java.

Ordo CCXLIX. IRIDACEAE *Limdl*

(IRIDEAL K Rr - Tndl Gentr plant p 1<4 Suppl T p 1359, buppl II p 14 a 104, Suppl IU pig 60 — Meisn Gener plnnt \u9culu I 391 II 293 — Wlprs Annal I 814)

1220 SISYRIARCHUHI *Linn.*

(Linn Gen pi no 1007 — Wlprs Ann I 814)

- 1 S IN UNO (ollu, Mcmoue di Tonno XXXIX 1? f tab 54 — Ganle ancipilli lolioso, folus liiuiibiiH iUigusi>>3imis planiusculis summo basi 1 Ut vnginalo, supra flores valde producio, spatha iciminali subsolitaua 3—6-flon, vnlvis acqualibus poduncuhs flh-foimibus bievioribus, peiigonu segmentis ovalo - Innceolatis, capsula roiundaio-o>aia scabra — In Chili
- 2 S LEUCANTHUM Colla I c 18 — Oaulo teretiusculo folioso, folus Imean-lanceo-IQIS, spaiha teiminali sohiiaia submulufloia, valvis inaequalibus, alteia pedunculos subaequanic, alieia 2—3-plo longioro cuspidata, pengonn segmentis ovntis, capsula ovali glabnuscule — Afflne praecedonii — Cluli
- 3 S ALTISSIMUM Ten Atti della terza riumone 504. — Scapo ancipiti foliaceo (2—3-pedali) subapbyllo simphciHoimo, folua disiichis linean-ensiformibus, scapo multo brevioribus, spa ilia bivalvi mullillora foliacea, altera valva flonbiisque longiore, co-rollae (luteae) laciniis ellipiicis uirinque glabris obtusis miiticis, siyhs flamenlasubaequantibus, siigmaubus clavaus, capsula obcomca — Habitat in Bonana
- 4 S MINUS Engelm ft A Giay, BoMon jouin V 263 — Pumilum oaule ancipim ranttso folioso, spatba paulo inaequiali floies aequame vel subexcedeule, ptiigonu segment!* (coeruleis) ovaiis, exienonbus setaceo-mucienatis, capsulis obovaio - ovalibus glabiis — In republica Texensi
- 5 S RIGIDUM Lebm in C Olio, Ncup tleutsche allgem Gilnztg VI 415 — Folus linean* ensifoimibus eieciis ngidis glabcmnis 6-ueivns, subbyalmo-marginatis, scapo erecto elato ngido enodi ancipiti, ahto, simplicissimo aphylo, spaiha foliacea nervosa roulu flora bivalvi, valva exlenore flonbus multo longioie, germine obconico trigono glaberimo — Pcrennis — Habitat in Nova Hollandia mendionali-occidental]

1223 VIEUSSEUXIA »e la Roche

(Oe la Roche, Dissert do Vieusseux Lugd Batav 177b 4)

- 1 V (*Hymenosigma*) IRIDENTATA Hochst mss in A Richard, Tent llor Abyss H 305 — Radice tuberculata ovoidea squamis veslita, folus ladiculibusangu^tis nervosi*» caule duplo longionbus glabns, caule erecto simplici subcompresso, vaginis tenuibu* acutis vtstito, flonbus 1—2 e spathis supremis erumpentibus, cahcis limbo 6-partiU>> laciniis exterioribus apice recurvis latioribiis obovali - oblongis obtusis imberbibus, if terms erecus brevionbus angustionbus acutis, staroimbus basi in tubum coalitis, W

lis petaloideis opice bifidis arcuati? — Habitat in pratis montis Bouahit in Abyssimae provincia Semiene

- 2 V SFHIMPERI llochst mss in A Richaid I c p 305 — Bulbo ovoideo soiido vagims squamisqut ldxis vestito, folns [?], caule ereclo simplici pedali, vaginis laxis acuis obfecto umtloio, llore pedunculalo e spnlius cannatis in\olulis enato, calycis lacinus extenonbus ohovali - lanceoláais icmib, pane media supenore revolulis unberbibus, mterrm creels spiihuldlo-ohlongH, aculu ⁹, capsula o\oidea oblmsa vix exucinitatis digiti ciassitiem aequanlc, glabra — *hit, dwci*/folia* Sleudel ms* — Habitat in sicciunbiH piati montani prope Entcheikab in^Uijssmiae piovincn Semiene

f Icon addenda.

V GLAUCOPSIS DC — Van Houtle, Flore dos serres IV tab 423

1224 MORAEA Linn

(Lino Gener pi no 60 — Roem ft Schult Syst veg I 450)

- 1 M JNORTHUNA Scbntevogt mss in Roem ft Schult Syst veget I 451 no 5 - *Manca bmlhuma* Gawl in Cuitis, Dot Mag tab 654 — Morren, Annales de la soc d dngcult de Gind A 209 tab 258

1226 IRIS Linn

(E Spach in Wlprs Annal I 876)

- ¹ ' (*Pogonus*) SULPHURLA C Koch, Linnaea XXI 637 + — Scapus ex plunbus folns eiectis ve] levitei extroisum falcatis, floroa inferos nttingentibus prodiens, ex medio plerumque monoph^llus poljanthus, noics lutescentes, stipite bievi get men aequante, ^sed tno minort instiucli, sptiibac a busi ad medium sub anthesi heibaceae, lacimae pengonii magniudine aequales, »(igmalum lacimae erectae — Crescit in promontonis ⁽ lucasi cnca I listibellipohn
- ² 1 DIANTHA C Koch I c f.— Folia oxtorsum hlrata ensata, scapo rainora, scapus soliiarius bicvissimut>, folio unico spailiaeformi mslructus, biflorus (lores smguli spatba pracditi, supenoi cum sua spaiha opposite inter florem infenorom el ejus spatbara, ^mina lacmnrnum cxleuoium ieflexo,*ungue suo major lacimae in ten ores oblongae, heviter unguiculatae, siigmati biflda, lacinus erect)" divergentibus plus duplo majora ~ Crescit in Onente septntnionali (ichuragel)
- ³ ' (Ltmmm') DRACHYSTIGMA Scheele, Linnaea XXII 348 — Caulis vix pedalis ere^aus vel ascendens glabei leietiusculus, superne ingonus subbiflorus Folia angusta ffraininea lineari - lanceolata nervosa, ulnque maigmcque laevia ocominota, bast va^nanti scauosa dilatata amplexicaulia, flore terminali breviora Spatba membranacea, ftBigine anguate scanosa setaceo - cuspidate Flos parvus coeruleus im^erbis pndunflatus Ovanum tngonum oblongom Pengonii lacimao externae rhombeo - ovatae breviter unguifoulatae, mternae tnplo breviores obovatae acuminato-cuspidatae stigma^lbus breviores. Stamina tna monadelphia, antherae lineares extorsae fllamenta supe^rantes, stigmatibus duplo longioies, lacinus extermis breviores Stigmata alba angusta

brevin npiçp dilnlntn bicuspidnti, authoras dimirlins aequantm, cuspidibus (loins) di\er-
geniihus fipsiila ' — Crescii in Texade pi ope Piny Point

t **Tconeti Addendae.**

- I RHTICLI \T\ M *Huh* — Spich in Wlpis Ann I c 817 no 4 — Lindl Journ of
the hoi lit so* III lbb (c ir x\logr) — Vin Houtte, Flore des serres V p 509 c
(c ii xjlogr;

1226/, FH% IIOCAIJIJ1\$ \\. Herb

(\ II«rl>ert in Hook Dot Mig t ib 3710;

Penanthium infia cntcnfoi me, sepalis majonbus superne patenibus, pelalis superne compress re\olutis Filamenta bre\ia conica, basi connata, apice reflexo Antherao oculis longis latere dehiscentibus, medio angustioies, ^uponu slyli lobis agglutinalae Stylus trigono-cyathiformis, infia grdcili-cylindncus supeine 3-lobus Stigmata brevia tiansversa biloba obtusa emaignata, loboium ansds extern is duabus petaloideis reflexis, mternis fere obsoletis. Capsula tnquetro-oblonga tenuiter membranacea, operculo obsoleto maehiscens Semma subplana alato-maginata.

- 1 PH PLUMBEA W Herb in Hook 1 c — Van Houtte, Floie des seires IV tub 395
— Foliis subglaucis plicatis acutis, caule folns longe allion 2—4-pedah, biacteato ex axilla imi foln prodeunte, spatha subtnunciali pedunculo Ingono subaequali adpies&a, flore unico matutino fugacissimo — *Cypella plumbea* Lmdl Dot Regist Vol " t a b 24 — Mexico

1228. CYPELJLA *Herbert*

(W Herb in Hook Dot Mag tab 2637)

- 1 'C HERUERTI Hook I c — Van Houtte, Flore des serres V tub 537 — *Moraea Hei-berh* Lmdl

1229/* RIGIDEHLIiA *Lmdl.*

(Lmdl Rot Resist 1840 tab 16 — Endl Gener pi Suppl I p 1360 — Wlprs Annal I 831)

- 1 'R MACULATA Herb — Van Houtte Flore des serres V tab 502

1239. OL.%D1OL.IITS *Linn*

(Linn Gener plant no 57)

- .1 GL (ANTHOLYZA) ABYSSJMCUS Ad Biongn mss in A Richard, Tent fl Abyss fl 306 — Ršdice tuberosa, caule bipedali glauco tereti erecto, apice curvato, foliis ensiformi - lineanbus glaucis acutis rectis, basi vaginantibus, vagina purpurascente, fl°* nbus secundis sessilibus, spicam eflbrmantibus, spatha externa obovali - lanceolate purpurea glauca acuta, dorso cannata, florem fere aequante, tpatbella intenore bre-
visima truncata coDvoluta, calyce tubuloso arcuato, basi angustiore ringeote, helm*

superiore longiore obtusa, lateralibus brevioribus acutis supremae applicatis, quasi labium siipoius efformantibus, tibus inforionibus bievionfhis acutis, staroimbus Inbium supenus suhaequantibus, stigmaibus oblique truncatis — Habitat in Abjs^inia locis humidis montis Selleuda et in provmcia Chire

- 2 GL QUARTINUNUS A Richard, Tent A Ab\ss II 306 — Dulcis ovuleis, squamis fibnllosis numcrosis densis tunicnlis ciulo cieto tnpedili tereii glabro folus lanceolaio lincanbus en<iformibus longissimis acutis, mnrgrine doisoque nervosis, raremo simplici 5 — 6 floro, flonbus maximis alterms distantibus luteis et puncti* purpuras centibus lineolisquo parvulis mnculatis, spatlia elongate acua canmla, lubum caljcis supeiantc, calycis amphati A tide nng^ntis lacinn supreim longion concavn, dorso subcannafa obovali-acuminata, basi sensim anguslata, Intcialibus Inte ellipticis obtuse acummaiis, inicrms multo brevionbus obovnl - acummatis el quasi hbium infeims conslluentibus — Habitat in Abtswmr provmcia fhirc et cuca Adorn
- 3 GI ALPIGENUS C Koch, Lmnaea XXI 635 f — Tunica extema bulbi membranacea, neivis parallels ex pane validionbus siriata , pioxima ciassior Ieticulato -nervosa , spica disticha, pengomi lacimae subaequales, ires supenores tantum paululum latiores et brevius unguiculatae, anherac filamenta longuudine aequantes, a stigmatibus oblongis ad basin sensim attenuatis, vix vel neutiquam superatae — Crescit in Ovente septentnionali
- 4 GL TENUIFLOnUS C Koch I c 636 f — Tunica bulbi extema leticulata Integra, ex basi taiillum lacern, folia elongate lineana, pengomi lacimae supenores paululum longiores, sed mullum latiores qum infenores omnes, supremo excepto ungue et lamina aequolongis m<truclae anthcrae filamenta sua aequanten, sed basin stigmalum oblongoium et brevitei stipitatoium nltingentes — Grscit in Gusia

1242 TRITOSTIA Kei

(Kei Ann of bot I 228 — Wlprs Annal I 833 — *Month etia* DC — Endl Gen no 1242)

- ¹ 'TR AURI A Pappé — Wlprs I c no 1 — Paxton, Magnz of bot XV p 3 (c ic)
- ² TR (MONTBRETIA) ADYSSINICA Hochst *mss* in A Richard Tent fl Abyss II 307 — Pusilla, vix palmris tuberculo ovoideo tumcato, caule erecto lanoso compresso glabro folus liucan - eusiformibus acutis sti latis, flonbus pamilis put purascendbus filternatim spicatis, bractea spathaeformi ovali - lanceolata acuta, ovanum cum tubo calycino aequante, ovano infero globoso mimmo, tubo calycino gracili limbum aequante, limbi 6-paiuti lacinus obovali-lanteolaiis ncutis, basi angusiatis, inbus exterms facie •nterna in medio cnstaiis, stamimbus distrtclis, limbo calycino subbre\ionbus, cap- »«)a pisiformi globoso - dppressa, obtuse tncostata — Habitat in Ahyssimae colibus
Prope Adoui

1243 1X1% linn

(Linn Genei pi po 56 [ex p])

- ¹ ¹ HOCHSTI TTERIANA A Richard, Tent fl Aby«s II 309 — Pamila rhizomate ""beroao pisiformi folus lineanbus acutis nervosis, caule digitali gracili umfloro bracieis binis convolutis obtusis ovanum cum tubo aequantibus, tubo gracili fere 3 hneas longo, limbi subcampanulati lacinus elliplico-oblongis acutis aequalibus, stimi- "ibus limbo brevionbus, stigmatibus sublmeanbus oblongis recurvis — Habitat in Abyssimae monte Bouahit provinciae Semiene

- 2 I PEFITIA\A A Richard I c — Rhizomate luberoso globoso tunicato, vix digiti aunculain exliemitem crassmc aequunnie, caule gracih ei ecio subpedih simplici, folns enbifoumbus hnceolaio-lmc uibus icutis subnuvoiiis, caule bievionbus, flonbus pin-pura&ioniibu* 2—3—4 altei III> disunctis, cnulis summitntcm occupantibus sessilibu* bractci* convolulis subatuti-s, o\diium cum tubo subaequanlibus stanosis, tubo cdly-cmo giauli limbuin JCquint c limbi 6 pirtili subpatentis hcmiis lequalibus elliptico-oblong-ia acutmsciilis, intb.cu'> baM billriib, ipice teulis (SGIOM^), flhmentis ghbus, sl/gmatibus lougissimis lincinbus — Hnbitit m priiis Abystmnc
- 3 J QUARTINIANA A Richird I t 310 — Rhi/onnte ovoidco tuberoso vestilo, caule crecto sesquipedili teieti glabro, loins radicalibus medium <aulem allingenubus linean-lanceolatis acutissiinis caulims ensifoimibus biewonbus, hi acted spalhaeformi com pressa cuimta, lanceolala acutn pliota tertiam t-\ntum tubi calycini pailcm aequante flonbus magms albidis macula vinheta a I Insin laciniarum cahcis noiatis, tubo calycino gracili teieti 5—6 uncias longo limbi subcampanulali 6-partili lacinns o\ali-ellipticis acutis, stamimbus breMOiibus, anthens basi bifida afflixis, apice longissime icuminatis el quasi in solulain desincentibus, stigmatihus arcuatis oblongis **obtusis** **pluribus** — Habitat in Abyssinne piads circu Adoua el in provincia Ghire

1246 GEISSORHIZA *Ket*

(Kei in \nnal of bot t 224)

- 1 G AB\SSIMCA R *litown* in Salt Voy Abyss App ex A Rich Tent fl Ab^ss II 308 — Dulho iolido carno<o ovoidco lumcato, cnule crecto palman aul pedali *compiesso* nncipiti fflabro, folns rndicalibus nngusiis llinearem caulem excedenlibus, cnu-libus ciisifoimibub paulo lalioiibus bievionbus snalis, flonbus purpureo - oeiuleis ^essilibus ncemosis, binckis cone i\is lernis, extern) longiore apice colorata, tubo olvcis sensim mflalo, limbo subobliquo 6 - partito, lacinus subaequalibus obovali-oblongi* apice acuminalis — Habiiat in Abyssinne locis herbosis monlis Selleuda prope Adoui

1247/, OEEi%SI]ir£ \\' *Herb*

W Herb in Hook Bot Magaz lab 3779)

Peiidiithiuri limbo regul in subaequah semipatente, basi anuulato Filnmenta monadelpha parlibilia, antheiae in cylindro sessiles erectae, Jateia ver&us dohiscentes Stylus filifoimis, stigmatc tnlobo Capsuia obovata tulorulans, superne sutuns semidehiscens Semina angularia superne fnincata, infra attenuata Pollen minutum oblongo-ovale Foli^a plicata

- 1 G AIURtA W Horb in Hook 1 c — Van Houtte, Flore des series IV tab 411 -'' Folns I¹—2-pedalibus vel ultra uncnm \el infia latis vuidibus acutis, bracteis4 caul*⁰¹ bipedalem axillarem aicte amplexis 2—4 uncialibus, e quibus una foliiformiter acuiD*⁰² nata, spathi IVa-unciali plunfloia pedunculis bracleatis bre\iore, pciianthio azure⁰³ — Habitat in America boreali

1248 CROCUS *TOM net*

(W Herbert in Lindl Bot Hegist [New Ser J XV PI misc p 26 ft 81 — Wlprs **Annal** I 833)

- 1 CR THIRKLANUS I Koch, Linnaca XXI 633 f — Bulbus pisi magmtudine, **tuncis** tenuibus nervosis obtectus, spalha monophylla, penanlhium aureum, lacinus **oblongis**,

- linamenta antheris paululum majora; stigmata filiformia, ex apice paululum dilatata, longitudine antheras superantia, sed eas neutiquam excedentia. — Crescit prope* Brussam.
2. CR. SUWAROWJANUS C. Koch 1. c. f— Tunicae bulbi membranaceae, leviter striato-nervosae, plerumque mox lacerae; folia sub anthesi autumnali nulla, proximo vere erumpentia; spatha diphylla; faux perianthii glabra; laciniae sulphureae oblongae acutiusculae; antherae filamentorum longitudine, sed plerumque stigmalibus brevibus clavatis minores. — Crescit in Oriente septentrionali (in Caucaso).
3. CR. ROEGNERIANUS C. Koch l.e. 634. f— Tunicae bulbi demum in floras validas reticulatae solutae; areolae oblongae; spatha diphylla; perigonium campanulatum acque longum ac latum, laciniae inter se aequales ellipticae, ad basin magis attenuatae, exteriores ex medio fusco-coeruleis striis, superne confluentibus praeditae; stigmatum crura antheras aequantia multifida. — (*Jr. reticulatus* a M. Bieb. — Crescit in Chersoneso Taurico.
4. CR. DIANTHUS C. Koch 1. c. 634. f — Tunicae exteriores bulbi validis fibris reticulatis praeditae, ex basi bulbi denique transverse secedentes; flores biini aut terni autumnum erumpentes; faux glabra, laciniae ellipticae; antherae lineares filamenta triplo, quadruplo magnitudine superantes, stigmalibus multifidis aequilongae. — Crescit in Oriente septentrionali.

Ordo CCL. AHARTLLIDACEAE *Lmdl*

AMARYLLIDAE R. Dr. - Knth. Enumer. pi. omnium V. 467-850, 853—857. - [Endl. Gen. PL p. 171; Suppl. I. p. 1361, II. p. 14, III. p. 60. — Meisn. Gen. pi. vascul. 393, II. 295. — Wlprs. Annal. I. 834.]

*Suordo 1**

AMARYLLIDAE LEGITIMAE

Knth. Enumer. V. 469.

Tribus I. *GALANTHEAE* Herb. — Knth. 1. c.

I. GALANTHUS *Knth.*

(Knth. Enumer. V. 469.)

* G. PLICATUS M. Bieb. — Kmb. I. c. 471. no. 3. — Lindl. Journ. of the horl. soc. V. 138. c. ic. xylogr.

Tribus II. *AMARYLLINEAE* Knth. 1. c. 473-Subtribus F. *HIPPEASTHEAE* Knth. I. c.XV. *PHICELLA* Lindl.

(Knth. Enumer. V. 510.)

1. *PH. IGNEA* Lindl. — Knth. I. c. 511. no. 1.a. *corusca* Knth. 1. c. — *Ph. corusca* Lindl.— Van Ilouuo, Flore des series IV. tab. 419.XVI *HIPPÆASTRIM* Herb.

(Knth. Enumer. V. 514.)

I. *H. ROBUSTUM* Alb. Dietr. mss. — Foliis lorolo - elongalis epruinatis, scapo rorido longioribus; floribus guminatis ereclis; perigonio campanulas - infundibulifonni usque ad basin sezpnrtiio, luciniis planis, exteñioribus lancçolulis apice calloso - cucullatis, interioribus oblongis acutis; corona brevissima urceolata. — *Amaryllis robusta* Alb. Dietr. Ailgcm. Grtnzing. XVIII. 42. f — Habitat in Brasilia.V. *H. RETICULATUM* Herb. - Knth. I. c. 521. no. 10. — *Amaryllis reticulata* Herit. — Van Houtle, Flore des series V. tab. 450.Subtribus II. *CYRTANTHEAE* Knth. 1. c. 531.**CYRTANTHUS** Ail.

(Knth. Enumer. V. 533.)

I. *C. SANGUINKUS* Wlprs. ms.«. — Foliis solitariis linenri - spntliulntis ohlulis viridibus, caule unifloro longioribus; spaiha diphylla tubo perianlhii aequali; flore sessili sub-erecto, lubo tereii in fauccm obconicnm nmpliaio; limbi patuli recnrvi laciniis oblongis aequalibus concoloiihus. — *Gastronema sanguincum* Lindl. Journ. of the hort. soc. III. 315. adn. (c. ic. xylogr.) — Van Houite, Flore des serres V. p. 459 d. (c. xylogr.) adn. — Habitat in Promontorio bonae spei.Subtribus III. *AMARYLLEAE* Knth. J. c. 542.§. 1. *Crineae* Knth. I. c.XXI. *LYCORIS* Herb.

(Knth. Enumer. V. 544.)

1. *L. AUREA* Herb. — Knth. 1. c. 546. no. 1. - Van Houtur, Flore des serres* |vi tab. 410.2. *L. STRAMINEA* Lindl. Journal of the hortic. soc. III. 76. adn. - Ovario 8 u b | ^ tubo brevissimo; perianlhii laciniis lineari-oblongis undulatis, slamioibus brevior — Habitat in China.

XXII. CROTCH *Linn.*

(Knth Enumer V 547)

I CR ABYSSIMCUM Hochst mss in A Richaid, Tent Hor Abyss II 311 — Knth I t 584 no 52 (absq diagn) - Bulbo ovoideo, crassmo pugm, folns lorolis oblusms-cuhs ghucis, margine subundulais et tenuionbus, floribus serlulais 6-8 sessilibus albis, tiibo calycino grooili biuncinli, limbo paulo longioie semipatenle tubuloso-campulato, lacmiis elliptico-lanceoldlis acuminans, siammibua limbo multo brevionbus — Habitat in Abysoimae prov Semiene

§ 2 *Haemantheae* Knth.). c. 584.XXVI. AKEU t YULIS *Herb.*

(Knth Enumer V 600)

¹ A CYBISTER Herb m*s ex Van Houtte, Flore des serres V tab. 455 45b — Bulbo ovaio fu«co, foliis scapo coeaians late lineanbas, (1—1/a P^{ed} longis) obtuaiusculis, •nieffcinmis, supra pallide viinhbus, venis saiuialioiibus stnatis, sublus conspicuo pMhdis stnato-sulcatis, scapo propter foliorum fa*clculum laterally circlter 3-pprali, mferneleviter compicisso, bicannato pubescente, supeino leieti, ondiqne glauc*dine deiers.bil. tecto, spaihae diphjllae foliolis demuro leflexis tnangulnrl - lanceolatis «cuu« bracteoh. lineanbua longis, noubus 4 (i-irma 5), umbellat,s, bretitcr pedicel-» «H, 'oTaiiib in uedicellia mngnlo fere recto flexis, breviler tngono - pusmallcis, pe->'>mhii lacima supe.iore ascendenti-erecta, iDterali-super.onbus inlus extusque (apicibus except..) rubr.s, duabus laieiali-infeionbus bnsi oblique dilatata geniialla am-Plectemibus inflmaque deflexa parlim rubns, partim vindestentibus, tessellato - sub-^ariegatis, membrana fuuuali barbatn, filamenlis incurvo-descendentibus, stylo aorum dnociione btevioubus, stigmnte parvo, concavo, ore levjler tnlobo

Vnr 1 *subsecunctaUs* quadnllora floribus diamotio subsexunciali - *Syrekeha* C«ai«er var 1 *subsexnnciaUs* Herb, in Bol Reg 1840 sub folio 33 (Icon citala bane vaneiatem subsequeute longe pulchnorem profeil)

Va, 2. 6i«w quinqueflora Qoribu^ diametro subquaduunciali - *Sprekelta* *Cybt* •fcr_w 2 bmisHeib 1 c lab. 33 - *Mppeostrum anomalum* Lindi mHoik

^A ^A LATLKITIA Alb D.eu in Otto ft Dietr Allg Guniing XVIII 65 f - Folns (se-^ronn,s) lanceotaio-loraiiii?; «apo ttnU glaucescente bifloro 'flonbus paienl.bus per.-Wnio lubuloao-infundibuUfoimi, fa«ce nuda, tubo curvato, lac.n.is exterioribus lotto-ribu_s, stigmaie mmuto tngono. - Habitat in Guinea superior.

t £ genere expellende»

^A ^R ROBUSTA Alb. Dietr. = HIPPEASTRUM ROBOSTUM Alb. Dietr.

XXVII. BVPHAHnB *Herb.*

(Koth Enumer. V 602)

¹ ^B (AMARYLLIS Ker.) TOXICARIA Herb. - Knth 1 c. 003. no. 7. - Van Houtte, J¹⁰* des serres V. tab 434.

XXVIII. *B B t n V S W I G I A C. a w L*

(Knth. Knumer. V. 605.)

1. 'BR. JOSEPHINAE Gawl. - Knlli. I. c. 607. no. 2. - Van Homie, Flore des serres IV. t. 323. 324.

§. 4. *Pancreatiae* Knth. 1. c. 635.XL. *C m i D A H T T H U S H e r b.*

(Knth. Enumer. V. 653.)

1. Till-. FRAGRANS Herb. — Knth. 1. c. 653. no. 1. — Van Iloulie, Flore de serres IV. tab. 326.

XIII. *l » A J Y C I * A T ' I C n » I L i n n.*

(Knth. Enumer. V. 657.)

1. P. TKNUIFOLIUM IJochsteU. mss. in A. Richard, Tent. nor. Abyssin. II. 312. — Bulbo ovoideo lunicento, fructum castnncac ncqunnie; foliis anpusiissimis **lineiiribus** glabris, npice iiiibolituais; scapo brevissiino apice unifloro; calyce albo longissime tubuloso, tubo gracili, basi cum ovrio coadunnto, 5—6 poll, longo, versus partem superiorem *sensim nmpliato ei a limbo non disiinclo, limb) tubuloso - campanulaai laciniis lineaiibus acuiissimis; corona stnminea elongntn lubulosa. — Habitat ad radices montium Abyssiniac, in convolle fluvii Tacazze.*
2. P. PAHVUM Dnlzcll in Hook. Kew gard. misc. II. 143. — Scapo compeaso strialo 3-4-floro; perinn),üii tubo longissimo gracili. Inciniis linearibus acutis, mho multo brevioribus, tribua exterioribus mucronulis, corona perianthii laciniis dimidio breviorn, np^{cl} 12-dentatn, dentibus nequalibus; flnnfenlis brevibus vix dentibus coronne altioriLusJ aniherris dontibus coronne longioribus; foliis linearibus striatis planiusculis, basin ver^{*} sus attenualis; ovrii loculis pluriovulatis; capsula ovata triloba; seminibus in local⁸ aboriu paucis (1—2). -*. Habitat in Indiae orientalis monte Dronagbiri Goncani sep' tentrionalis.

f £ **genere excludeadum.**

- P. ODTUSATUM Griseb. = IYMENOCALLIS OBTUSATA Griseb.

XLIV. *H Y M 1 2] i r O € A i L I § S a l i s b.*

(Knth. Enumer. V, 664.)

1. H. OBTUSATA Griseb. mss. — Scapo procero ancipiti; foliis late loratis, basi **ang-** statis, apice obtusatis; perigonii tubo limhum subaequante; coronae sinubus **repando-** truncoiis; limbi patenlissimi s[^]gmentis linearibus. — Differt a proxima tf. **Caribae-** Herb, foliis apice obtusatis, perigonio majori sexpollicarii, limbo tubum aequanw* **co-** ronae sinubus minus productis. — *Pancratium obtusatnm* Griseb. Linnaea XXI. 277. T
Crescii ad fossas prope Paramaribo in Surinam.

XLVI ISHHHtfB Salisb.

(Koth. Enumer. V. 681.)

1. M. AMANCAES Herb. — Knth. 1. c. 682. no. 1. — *Pancretium Amancaes* Gnw. — Van Houtte, Flore des serres V. tab. 449.
2. M. CALATHINA Herb. — Knth. 1. c. 683. no. 2. — *Pancretium calathinum* Gawl. — Van Houlte 1. c. t. 440.

Tribus III. NARCISSEAE Herb. — Knth.] c. 704.

LV. CORBUIiARIA Haw.

(Knth. Enumer. V. 704. ft 856.)

1. C. HEDRAEANTHA Webb ft Heldr. Caial. pi. Hispanic, no. 920. App. — Bulbo ovalo,, lunicis fusco-purpurnsconiihus; folio unico linenri erecio, scnpum uniorum excedente \el nqunnie; npntm ail dimidium flssn , (ubum negunnie; pcrinntifi fluvi ftihpollicarfs JncurJ lulio JriAiiiiJbulnrJ, nploo dilnlno Jnoln/squo mibpurpurnaoonlibis, InclnUa tno iluplo brovlorlhua ovnto-oblongla, cortftium imllldlorem lobulnfo-crennlatnm trill-nearem piinim excedcnlibus; geniialbufl dcllexis exsertis, stjlo siamlnlbus longfore. — Species flore omiiiiio scssili disilncliHslmn. Ah ndlni C. monophytla Durleu. difTert lllore minori llavo (ncc nlbo), laciniis latioribus coronam excedeniihus (noque ea brevioribus) et geniialibus longe exseriis (ncc iiclusis). — Habitat in Hispaniae provincia Giennensi.

MX NARCISSUS Herb.

(Knth. Enumer. V. 781. ft 857.)

- 'N. CLUSII Dnnnl, Peiii bouquet mediterran. (Montpell. 1844.4io) exfltook. Lond. journ. of bot. VII. 108. - Kmh. I. c. 857. no. 5. — (Wlprs. Annal. I. 836.)

Subordo « . JLMJSTHOEMEMIEAE Knth. 1. c. 758.

LXI ALISTROEMERIA Linn.

(Knth. Enumer. V. 758.)

- 1. 'A- PULCHELLA Linn. - Knth. I. c. 781. no. 39. - Paxton, Magaz. of bot. XVI. 130. (c. ic.)

t Species Indescriptue (hybrldaef)

f" f^BENS Paxton, Mag. of bot. XVI. 130. (c. ic)

A-RUBELLA p a « . J. c. (c. ic.)

LXV DOJHAEI4 *Mtrb*

(Knth Cnumer V 787)

- 1 Mi ! DULIS Herb — Knih 1 c 790 no 2 — Morien, Ann de la soc dngnc de Gmnd V 3bS f tab 263

Subordo III. *AGA VEAE* Salisb. — Knth. 1. c.818.LXVI A O 4 T E *Linn*

(Linn Gen plnnt no 434 — Wlprs Annal I 837)

- 1 A ATROVIRFPtS KanMinkj mss ex Mail Delect scinin lion Monac 1848 p 4 adn — Fols htle viiidibus, aciale s-uurdte vindibus, e linean Innceolaiis, in spinam Tuscan) ngjriam acuminate, inirgine tepnndo «pim& fuscis inaequalibus molliusculis aimali->, mfn lpiceni iniegeinmis — Magniudo et forma folioium cum A *mouana* convemt iimbitu^ magis inlegmmuis est quam in ilia, spmis crebrionbus et a foliacei matena magii» dislmclis Afflms [racscriim A *vivipautc*, cujus folia potiu» lanceolnta mDigine smuaio-spmosi compage p.uilo molliore — Ihbiiat in Mexico
- 2 A MITIS Marl 1 c adnot — Fols laete vindibus patulis carnosis, e linean ovatis dtuminaiis* planis tiut anlice concaviusculis acuminatis, spina lerminali molliusculiAi mnrngmo spinoso-denlatis, denlibus fiequentibus erecw* aut reversis cuivis molliusculi⁸ albi» dein fustic, infia spinam termmalem integornmm —Inter A *vivipaiam* et *atro** *virentem* quasi intermedia, sed minor et raagis delitala Folia minus flima quam ¹¹ reliquis specicbus majonbus, facilius frangunlur — Habuai in Mexico

LX. BRAVO A *La Llawe y Lex*

(Knth Enumei V 848)

- 1 MIR GLMIMFLORA La Llawe 8t Lex -Knth 1 c. 849 no 1 - Van Houite , Flora des serres VI tab 520

Ordo CCLI. BROHELIACEAE *Undi.*

(Endl Gener plant p 181; Suppl I p 1361, II p 15, III p. 60 — Meisn Genei plant vase I. 395 II 298. - Wlprs Annal 1 838)

1305. PITHEXIA *ll&it*

(H[^]nt Sert Anglic. VII lab 11 — Wlprs. Annal, I. 839)

- 1 V JAKSONII Hook Bot Mngnz tab 4540 f— Fols subulato - ensiformibus con-
niis, subtus albo - fuhiraceis, supra medium spinoso - serrotis, scapo 9imphci, pedi-
celhs paientibus caljibusque farmosis, sepola obtusis, corollae curvatae petalis line-
- oblongis snbtortib longiludinc sinminum, mlus squamosis sqtnma bifldn serrala
stigmatibus, СИКУН — Habitat in Guatimah
- 2 ^ fcXSGAPA Liebm Ind sem hort llaumens 1818 p 12 — Planla dense caespitosa
loins ПТОИмibus, inferiouliscarlilagineis biuimeis vagmaniibus lanfeolatis coslnii*, in
acumen longissimum subulalum nbiuple nitonuntis, maigine spmoso-dentalis, supeno-
nhus grnmneis inferionbus multo longionhus, avenus lmonn-lanceolatifl integetrimis,
scapo In e vis si mo inter folia immerso, flonbussubcorymbosis, pengonu oxierionsfoliolis
^ lanceolate subul. Uis caimans oxcoloiibus, ex (us lrpido - lanatis , interionbus folio-
- 3 loseis spatliulaio - falcatis, basi nudis. — Habitat ... ? (in Mexico?)
- 3 P XANTHOCALYX Man Deleci sem hort Monnc 1818 p 4 adn — Foliis anglistp
lineni ibus, uinnque longo acuminatis iategernmis, subius furfure deiergibili denso
caesiis, sopo foln subduplo excedente folilsque scapi inflmis lnnceolato - acummatls-
3mis paice floccosis, lacemo elongato Inxo; bracteis lanceolati^bcutla pedunculos
lavos subne(liautibus, sopalis flavis longiludine pedunculorum, petalis othroleucis
erectis oblanceol uis ncutis concaviusculis, fllamema (alba) excedemibus, antheras st-
Unque subacquaniibus — Habitat In Mexico
- 4 P CERNUA Knlh & Bouch Index sem in hoit bot Berolin a 1818 collectorum p
12 no 9 — Caespitosa caespitibus nbbreviatis bulbiformibus lanuj?inosis, foliis lon-
gissimis gramineo - lineanbus acuminato-fliformibus, infeine cannliculntis, superne
planis, cainoso-duns, externe globiis, intppne pilis enspuhs conspersis, tardius gla-
bratis, margme ad basin denticulato - spmosis, intermixtis alns impoifectis, subulalis,
feme pectmato - dentato - spmosis, ngidis nigro - fuscis; spica teiminali solitanasub-
essil« plunfloia subcernua tereli - oblonga bracteata, bracteis externe lanuglnosis,
floribus leviter cuivatis cinnabanno-coccineis, petalis spathulato - lingulatis obtusis
glabris, supra basin saccato - eicavotis, stamina paulo superantibus — Habitat in
G. et mala
- 5 P tLATA Liebm Ind sem. hort Hauniens 1849 p 14 — Fols grammeis late line-
bus leiter canaliculatis glabna, scapo 2—2/a-pedali, racemo laxo, floribus longe
Pedunculatis patentissimis albis, pengonii phyllis 3 extenonbus linean - laoceolatis,
ntenonbus 3 extenora tnplo superantibus linean - spathulatis obhquis, slamimbus
P^gonio parum brevionbus; pedunculo pengomoquo extefion glanduloso - pubescen-
tu« — In Mexico oneotali habitat,

6. P. CINNABARINA A. Dietr. Allgem. Grtnztg. XVIII. 202. f — Foliis lorato - lanceolatis integerrimis glabris, subius rubicundis, scapo folioso glabro brevioribus; floribus racemosis subsecundis hracteatis; calycibus germinibusque glabris; petalis reclis linearibus plnnis, bnsi nudis, longiludine sinminum; stylo exserlo. — Habitat in Brasilia.

1306. TELitAIKDSIA *Linn.*

(Linn. Gener. plant, no. 306. — Wlprs. Ann. I. 839.)

1. • T. INANIS Lindl. — Lindl. ft Paxt. Flow. gard. I. 159. fig. 193.
2. • T. STRICTA (? ?) — Paxton, Magaz. of bot. XV. 125. (c. ic.)

1306A. PHOMDOPHITLIiUM *Visiani.*

(Visiani in Otto a Dielr. Allgem. Gart. Zeit. XVI. 30.)

Perianthium sexparlitum superum, Jaciniis exlerioribus calycinis Inceolalis complicalo-carinatis, in tubum prismaticum compressumve connalis, apice liberis, binis Jongius concretis, inlerioribus petaloideis obverse lanceolalis, basi intus sulco nectarifero utrinque uniglanduloso filamenta allerna excipiente insculptis, esquamosis, apice patulis. Sla* mina sex, filnraenlis subulatis, apice obtusis, basi adnatis, tribus inter Jacinias petaloideas adnatis, tnbis supra barum basin inserlis et sulco nectarifero immersis, nntheris oblongis obtusis, dorso affixis incumbentibus, basi bilobis. Pistillum florum centralium stylo abortivo brevissimo biparlito. lateralium trigono, sursum crassiore, profunde trifido; stigmatibus oblongo-linearibus complanatis patulis rectis erosis; ovario perianthii lubo carnoso obduco, triloculah, columella septigera basi ovata nuda, apice attenuata ovulifera, ovulis pluribus horizontalibus obovato-subrotundis, funiculo epapposo albp in rbapben albam latam ab umbilico ad chalazam dflpurrente suspensis.

1. ⁴PH. ZONATUM Vis. I. c. — *Tillandsia zonata* var. *viridis* Hort. — *Billbergia acaulis* Hort. (Catal. hort. Boeckm.) — *Tillandsia acaulis* var. *zonata* Booth Catal.
var. *fuscum*: foliis fusco - acneis. — *Tillandsia zonata* var. *fusca* Hort. — Crescil ?

130%. VRIESIA *Lindl.*

(Lindl. in Hook. Bot. Magaz. tab. 4382.)

Sepala tria convoluta aequalia, petalis apice revolutis (an serap^{er}/| breviora. Squamae cuique petalo geminae semiadnatae indivisae. Sta[^] mina exserta tria libera, petalorum basi inserta, tria inter petala i^{os} e^{er}l^j iisque basi connata, antherae lineares planae posticae. Ovariuffl[^]JJJ^r inferum conicum, stigma trilobum, lobis convolutis et sinuatis viiioo⁻ — Folia.plana seu canaliculata erecta; flores distichi; bracteis magnis canaliculatis coloratis.

1. VR SPECIOSA Hook. I. c. tab. 4382. - Foliis late oblongis obtusis cum mucrone^{ca-} naliculatis integerrimis glabris nudis, transverse nigro-vittatis; scaposquamoso^{lre-}

- maculato, spica elongata coccinea, bracteis coloribus lanceolatis acuminatis arete imbricatis conduplicato - canoatis unifloris, floribus albis (in icone albido - virentibus) bracteas superantibus — *Tillandsia splendens* A Brongn in Van Houtte, Flore des serres II Heft 5 tab 4 — Wlprs Annal I 839 no 2 — *Yncsea splendens* Lemaire in Van Houtte I c VI p 162 (c ic xylogr) — In Gunna Gallica (Cayenne)
- 2 VR PSITTACINA Lindl — *Tillandsia psittacina* Hook Bot Magaz tab 2841 — Folns linear - ligulati & intergenimis acutis nutibus, basi inflatis, spica simplici, rachis fleuosa colorata, floribus remote, bractea longitudine floris colorata — In Biasia in arborum truncos pseudo-paisitica
- 3 *VR SETACEA Hook 1 c tab 4382 adn — *Tillandsia setacea* Swartz Flor Ind occid 593 — Hook 1 c tab 3275 — Schull Syst VII p 1207
- 4 VR HILICONIOIDES Hook 1 c tab 4382 adn — *Tillandsia hichcomoides* Kunth - Schult Syst veget VII p 1226 no 54
- 5 VR GLAUCOPLUYLLA Hook Bot Mag tab 4415 f — Van Houtte, Flore des serres V tab 432 — Folns longissime subulatis glaucis subfaucibus, scapo superne ramoso, ramis e basi ad apicem disticho-biattentis spitis foimantibus, bracteis ovalo - lanceolatis conduplicato - canaliculatis acutis unifloris, inflorescentibus coloratis, floribus semiexsertis, perianthis purpuriscentibus, filamentis purpureo - maculatis brevibus — In Nova Granata ad Sanciam Manham

1314 PUYA Molina.

(Wlprs Annal I 840 — Molina, Chili 176 — *Powretia* R. & Pav)

- 1 P MAIDHOLIA Morr Anml de la soc d'agric de Gmd V 453 tab 289 — Caule cespicio strecto lacerato nodoso, folns squamulosis acutis subciliatis, superantibus lamina dilatatis ovato-lanceolatis acutis, folns radicalibus inermibus, basi dilatatis semi vaginantibus petiolo brevi, elongato - lanceolatis latissimis, utinquo attenuatis, pice acutis, striatis iniegumentis, vix undulatis, spica obovata longe strobiliformi, bracteis foliaceis ovato-lanceolatis acuminatis, concavis semiamplexicaulibus, strictis Purpureis, apice vmdibus imbricatis, floribus subsessilibus vindi-flavescentibus exsertis longe mundibuliformibus, perigonis foliolis apice planis, genitalibus aequilongis. — In Mexico
- 2 MACROSTACHYA Alb Dieir Allg Grnzmng XVI 146 f — Folns elongato-lanceolatis acuminatis recurvatis, subtus lepidosis, scapo bracteato, bracteis foliaceis longissime acuminatis arrectis, spica erecta, bracteis imbricatis coloratis planis ovatis, acutis vel leviter emarginatis, floribus longe exsertis, perianthis perigonibus patentibus, stamina superantibus, stylo staminibus longiore — Crescit in Guiana

Ordo CCLII. HAEHADORACEAE R Br

(Endl Gen pi p 170, Suppl 1 p 1360, II p 14 — Meisn Gen pi \ascul I 396 II
^99 - Wlprs Annal I *Ui*)

rt

1257 **ANIGOZANTHUS** *Labill*

(D **Dicli** Synops II p 1196 - Wlprs Ann I 842)

- 1 A TYRIANTHINA Hook Hoi Mig t 4507 — Cnule elalo tereti dicholome pamculaio, superne purpuico Ciino-tomtnto&o, folns plonsque ndicnlibus linenri-ioumimiis ngidis slrntis iedis glaliprnm[^], margmibus seriulaio-scabeuimis, spicn pnnicuhtis sc-cnndiflous bracieohiis, pcdunculis podicdhs peinnihiisquc exlerne tomento denso hilaiiiliino toclis, **pf i j intliu** (intus glabnusculi ctnminei) hciniis laneehio icuminatis itilio turvnto li<\ionbus, siinnnm fihmenus **lacinns** brevionbus, anihens exappendicuhus — In ^ova Hollandia ad 11 Cygnoium
- 2 A MINIMA I phm PI Preiss II 274 + — Folns anguste lineanbus subfalcatis flaccidis plants, mugiiie luisulis, cnule sunplici lamto-lnrsuto pnulo brevionbus, racemo serundo 9ubcapitato perigonii concolpns Uibo supeine ampiiato mcurvo - In Nova Hollandia ad radices jugi Dai ling snnge

'1261 B I H B \ C E N 1 A *Vundelh*

(Vandtlli in Hoem Scuptoi pi Ilisp 98 lab b ilg 9 - D Dieli S>nupb pi II **1191**
- \Mpis Ann I 845)

- 1 'B PURPURRA Hook — Wlprs 1 c no 1 — Van Iloiette, Floie des seires IV tab 34H

Ordo CCLIII. HYPOXIDACEAE *wiprs.*

(HYPOXIDACEAE R. Or - Cndl Gen pi p 173, Suppl I p 1360 — Meisn Gen pi vas-
cul I 397 II 300 — Wlpi s Ann (84b)

1264 HYPOXIS *Linn*

(D Dieti Svnops II 1188 — Wlpm Annil I 846)

- 1 M PITITIANA A Ritlnrd Tent flor Abyss IF 315 — Ridice tuberosa inegulan
nign, folns hnceohlis ncutissimis phms pilosis 3—4 uncias longis, scapo folia
lequanie aut superarue piloso, apice sacpius bifloro, fioribus pedicellatis luleis, ex-
tcino senctio, lacinns calycim? lancoolatis acuiissimis, facio interim glabns —
HOJCS luiei — Habitat in Abyssimae sylvis monlosis Zonmassa provinciae Ouorl-
Gerate
- 2 H S(IINIT7LEINIA Hochst I c p 315 — Folns lanceolato-lineanbua acutissimn
s(miis ghbns laevibnsque, jumoiibus mirgme setosis, scapo folns hrcvioie unifloro,
r&u9 pnrtem supenoicm hirto-spinuloso, flore maximo albo tubo calycino ovano
ncienii ovoideo intense puipureo, dense eclnnulalo, lacinns hmbi lanceolatis acu-
lls glabns, intheiis luleis erectis, fruclu globoso echinulato — Flores albi —
h **nitzenia** *arnica* Steudel mss — Habitat in Abyssimae rupibus plamliei montanae
Proy (hirc
- 3 11 VILOSA Linn Suppl 198 — Willd Spec plant II 107 - A Rich I c 714 —
" **Abyssinica** Hochst mss — 11 *Limensis* Hochst mss

Subclass VII.

COROJVARIAE Linn.

(Meisn. Gener. pi. vnsrul. I. 397. II. 300.)

Ordo GGLIV. PONTEDERIEAE A. Rich.

(Kntli Criimrr. plant, omn. IV. 11M-133. ft 663. — Wlprs. Annal. I. 818)

I. HETERANTHERA Te y Pav.

(Kruli. Einimor. IV. 119.)

- i. * II. GKAMINGA Vnhl. — Ktiili. I. c. 120. no. i. — Ton-. Flor. of New York II. 313. t tab. 133.
- 2 '11 RENIFORMIS Rz. ft Pav. — Knlli. 1. c. 121. no. 3j — Torr I. c. tab. 132.

II. POIVTERIA Linn.

(Knth. Enumor. IV. 123. — Wlprs. Annal. I. 84S.)

- 1 'P. CORDATA Linn. — Knth. I. c. 124. no. 1. — Torr. Flor. of New York II. 312. t tab. 131.

Ordo QCLV. LILIACEAE Jus*.

(Knth Enumer. plant, omn. IV 215-279. & 668. — LILIACEARUM subordo i. TULIPACEAE DC. - Wlprs. Annal. I. 849.)

Tribus I. TULIPEAE Knth. 1. c. 216.

II. TUMPA Tournef.

(Knth Enumer. IV. 219. ft 669. - Wlprs. Annal. I. 849.)

- 1. T. JULIA Cttqp Unnna XXII. 223. f - Bulbut juglandis magnitudine, mnici* in lanuginom solutis obiectus, folia quaiuor, inieriora duo laiiora oblonga, supe ...

contra lintim omnii, s>upicino cvceplo, nngis mmus\t rccuiva maiginc subunduhia
ghbeiiimi »ti|inn (cum floit oicclo) tJaucmmum ici|iiinii pctih iibtain polli-
cjrñ (Attiiioi i oliloigi icun ox ipico ciliohli mlci IUI ilius s| iilmi m« p lululum
mijoi om n il bisin nuninh el ilio coeiu o tuloiuā III inicta intci so ipijua
In iio coeiu* i imbuis ICCM mti IUUI us j Milk line ni oblon_o j mlulum in joia
— CHM.II in Asn nnoit

1 IIIIKI \N V. f Koch I c tib + — Itulbus ol loi_o»N 1-5 Im hlus limn is bi mi-
nt 11 lioiu IIIIN <liictiit. iuln duo hK liieiu ahbiinmi phin tuln pmc stipo
milloio hliLiiiuo inn ui i s_L| ih II i\ i e\i MOM m_oii ti M C\ IIOIM> biiiiuto
Minn, omnia hlongi nuidd (\ bisi ik<i <p ultn fil mu Us_{mm} M K<| ulibus, m
tino villosis IOII_pIOII_T ^ctuicii colurarllim - (its a LIK I tuss um

IV CYCİJOBOTIY* Suut

(Knlli 1 numei IV U7 ft 669 — Wlpib Ann il I 850)

- 1 C MONUPIHILA I null Jouin of the hoi lie soe IV 81 a<n (c ic) - Folio soli
tano lmeari subhctohto acummuo, MibLus ghuccLtnu, sci|o sublnfloro obulbi
tnjlo longioio pidunculis biaclea line in acumimin longionbus, 40pali^ acuu c-vlv
jcihsquc undiquo Imbais ipice iccurvis — *Lalochoilus monophyllu**, Phnclion m
Vanllouie, Floie des *sene** V p 340b ndn — Iilui in California
- 2 *C PALI IDA I mdl — Knih I c 230 no 7 - *CalthoUus palhdus* Schull — Paxl
ft Lindl Flow p_{nd} I 138 fig 91 — MOIOM Ann do la soc digncult do Gaud IV
HI tib &5

VI G4GEA Sah6b

(Kntb I nuincr IV 233 a 070 — Wlpis Amul I 8oO)

- 1 G COMMUTATA C Kodi I innu i XXII 2tt f - Dulbus simplex multis tuniu su
lacous lectns, loliuin ndicalt glnbium, scnpuin ghbiun et (lores supmns
2 lin I Hum scd ex inedio compliciun, ev pane loitia s^cnon lecuivuum
3 oluci i phylla 3 iiiiiiilonga, duo hnecolati brevion, iciium longms, o\ pait
4 ci IOIj lccuivatun pcdiinculi 2—3 inoqmlcs pubescentos, sepaln oblongn ucumi-
nal> luinquics lon_anon at lala -r- Habiid in GIUSII
- 2 <* GLA(IALIS (Kocli 1 c 2^8 f — Bulbus simplex s|)bapioidou« MX dniaelio 3
euun folium ladicale liliforme glibuninuin bipolliciic scapo unilloio glaboiuuo
Ptiululum longius involuciuin diphyllum, pbylh supupo^ila iiiiaqualia, informs ob
longo lanceohium, podicellum cum lloit t\ longiulinc acqmns SUJKMUS linean-
oljlongum dimidio minus, t>clala tunuua ublotiyi, fhincntis ci pisullo quarta pane
Joia sigma cipitium — Hibilnl in inonubus Ponlicis
- 3 G AURLA C Koili 1 c 2M f — Bulbus pisi migniliuline, lunicis hevibus obiecius,
du>lex foin nditalii duo nngustihsimi sctacea ghbernma ocapuin glabenimujn
^nmnin, cmlun duo alicma, umbelia mradiaia luacteis duabu*4nbusvc piaediti
Pcculnculi aequiloigi aui latenlcs aboitientes, scpala el imborae auicao, ilh o^ doiso
neivis tubus icquidislantibu^ mstructa oblonga — GiesciU. \
- 4 G IHIPUYLLA C Koch 1 c 229 f— Bu>^s duplex, tumcia elongalis ojbieclus, foln
ptictl/i duo scapo pubescenti fructifoto vix duplo mmora Jmeaua complicate) - cana-
culat, 2im lan po pubescei nenon rcturvata chnta, in TeH^A^oxy^ 3 ozacte euam
ad 1>asm lme Jim nee spnilncea, pedunculo uuico pubesconitt V^mp^Dge breviora,

eiecta aut pateniia, tertium minus, sepaln oblonga quinquies longiora ac lala, acunum — Habitat in Grusia Talarita

- 5 G AMSARSTHOS C Koch I c 230 f — r.lilie rma bulbil duplex bifolius, i.iro aliei .ibortiens unitolius, folia imeana i inaliculala creda, M npum cum floulms* quinla pirio Mipeiantin, lloics macquilongc pdunculali, inxoluui phjlla duo, glahcrnma, lloie long ssinio ppdunculalo bitviora, praclerca hi acted urn alleiivc lloium suporioiuin bie-vissimo ppdunculatorum lineans, M pnla oblongi, exteioia uevis appioximalii puie-dia — Hdbiit in monie Lclwar Asiatic minous
- 6 G SARMLMOSA C Koch I c 230 -f — Bulbus* duplex sanneitosus, saimenla bulbi-lua tumccic exlcin.ic clongilali, scapum iiccludentts, folu i.idicalia duo, pubestentiii .ml ex p.ue superior ciliata, lineana, 2 lin hi in, tæd plciumque complicata, iccui-v idi, bCipum cum Jloi iit> auquunlia, umbolla subbilloiu, pedunculo uno aliciove eloiikaio, stnpo bicvi longion msiuciu, Uivolucru phyJla 3 atquilongii, foima cl paene Jongiuidine folioium indicalium, sepadi oblonga uuimmaia, quinquts longiora ac lata — Habitat circa Tiflin

Tnbus II LILIEAE Knlli. 1 c. 245.

XI FRITILLARIA *Toutnef.*

(Knlli Lnuuici IV *Ub & bTl* — Wlpis Ainnl. I 851)

- 1 Fit OLYMPIC V C Kocli, Lirin.ua VKII HZ f — filjburnrna Ciulis superne nudus, lolhi oumin oppobitd aul inodin alleuui, anguitc ohionga iut oblongo-lanceolata, tria supicma tciiki lintaii-oblonga, lloicui ccinum (viiidi-iubentem?) supeiania, sepala obloii,ra)uipuico-sluaia, slainma duplo, pibiillum qiMia pane supeiauiia, stylus tn-lidus — llibiitil in Olympo KJHJJKU 8C cuca *Brus* un

XI^a THERESIA *Koch.*

(L Koth, Lirmjci WII *iU*)

Penan I luum hoxasepnluuu Ccinipdniliuuic, t(pjla oblonga cofoin<>mtus ad bdsin foved necldiifoid insliucl. Sliiiiina stx li^pog^ua in^m, clu^a, dullifiis pio reccliont lTdinerili u\ bisjnn piolundtj peiloul⁵; ovatis pidcild. Ovdiiuin sessile liidngulaic coluiiulldie liilocuI-H^e* stylus Jiuediis, ex apicc inlegei, sligmale incouspicuo, ovula in Joculw quoque crebia bisenaha.

- 1 'Til l>LRSJCA C Koch I c <233 \- — II ililkn,a Po uca lu\ n — Knlli Luuuiui ^{IV} 247 no 1 — Crescit m inon< Aiarai

XIII. IJLITJ!tE *Linn*

<Knth Enumer. IV 25b. ft 637. — Wlprb Annal I 852)

- 1 L CONIFLORU&l Thuub — Haute, PI, uov Ausli. Chin diagu inedit I p 17. — *Knth* 1 c 266. no. 29. — Gaulc 2—4-pcdali glabernino 1—3-luio, folns spaisis *numerosi* &essilibij< Janceolatis sesquipollicanbu^, pongonus lubulaio-canipauulatis cernu.is ⁸⁰ incubitfilibus, ante anthesin tu^onia*, inlus nneis, extus vindi-tilbescenlibus, ^{vacir>118} ipice r<M^yl|^ Jieniis subulalis, ovano tngono sexsuloato, stylo stamina P^aUie &uperanic^raQra j w o t versus apiccm parum curvalo ot jnrassato, atiginuto cap^{l(a)10}

subtulo, apice sulcis 3 noio, polline elliptico sulcato. — Hdbuat in insula Hongkong, ad cacimma montium — Bulbus edulis Hancre plantam Inc (e specimibus vivis sponddncisj descupsi, quoniam diagnosis Kunllnana, (Ijiumoi plant IV 267), nullatemis ad »)uucm dignostendiim biiffitial Bulbi cotli apud Sinai Jautioibus cibains adnuuciaillii

- 2 L PONTICUM C Koch, LinnaeaXXII 234 -f— Caulis glabrinus simplex polyphyllus, foliis multo sed iclitnlato-nrvosa, sublus in nervis bicviter hispida oblongo-lanconia aut ellipdcn, sessilia glabemma, maigine tilialo, pedunculis sub-sox, ex medio rellexi, lloies cnuos scundo^ paulihim supcianles, bracejin solitannin aocuules &epala infcine lubuin foimdotia, supeine patentissima, denique leflexi, nulliieivid, flnmenia hhua, inter se aequalia vix duplo supeianlia, germon .ib imiio >JI ami datum, denique s>iibieie\ ex apire iruncalum — Crescit IU Ponto

t IooneH addendae.

- L PENDULUM Cols — (/, Canadonse L '?' — Knlh I c 258 no 2') — Moiren, Ann dc la &oc d agnc de Gand V 451 tab 288
 L PUMILUM DC (0 — Knlh 1 c 263 no 17 — Moirrn, Ann de la »oc. d'agnc de dnnd V m i,jb 2b4
 L SZOWITZIAMJM Fisth — Knlh I. c H74 no 9 * — Van lloutlc, Floie des sen os V tab 507 508 509
 1 WALLICHIAMJM Schult — Knth 1 c. 267. no 30 — Paxt 8c Lnull Flow gaid I. 121 fig 8Z — \an lloulte, Flore dc« scries VI p. 247 tab. 61^

•j- Genera Ldtaceis affinia.

XIV. YUCCA Lmn

(Knlli Liiuiin IV 268 a 677)

- 1 Y Itll'K OLA. Stheeel, Linnaea Will 143 f — Quadu — 7-pcdali» Folia in caudicis apice c<ikeiia eii!>iroiinid liieeaii-lanceolaia ciassa ngida, basi dilalala acraiaimplexicaulia pallide \india, maigine senuhs> ininulis crebtirnnu exaspoidla acnnumata pungtMilm ^t^ipus e folioiuin ceniro piodiens paniculalo-ramosus Flores fiedicellni. Peugo-^{UU}m ^-phjiu,,) coiollinum peibibieiii Foliola albido-vnescunlia, apice puipuiascentia, ""li)a6l t011nnln ixpollcana el ullia oblonga nmltineivia glabi a - nwcululo acuinata talnpiinulaio - tonniveniid subacquilong.n, exlenora parum angustior. Siammu b basi feddrommscild, parlo leiiaa sepalorum vix longiora. Filamenla complanaia lineana, ^{sup}no dilalaia, ,ipice ipsa pmuni angusiala, prdecipue niaigimbub papuloso-scabnus-^{culu} Anilici ,c |jasi anixne biloculaie^ torddtae mtroisum longiludnidliter doliistenles ^{op}tie Ovinuni libcium j>os>ile conicum j)iorunde tusulcaluiu, basin vcius foveis ³ ellifei um, mlaculaieS apice in sljluni crasMim trisulcalum ovauo bie\ioiem alle-^{IIUIU}», siniiuilius duplo longius Ouid in oculis plunind bi^cridlia hoi/ontalia ^{ullU}»a Siigm.ua 3 sessilia elongala erecta oblonga, inteieue canaliculata, basi con-^{tda} . rtp'to loiundaia paieniia subbiloba Gajibula inloculans acumi>at>isubio\Irala.—^{re**}> ad ISTubiaunles.

XV. PHOBMIUM Font.

(Knlh bnumoi IV 274.)

- 1 ^{vi}* TENAX Lmn — Knlh I c. 275 no. 1 — Lc Johs in U ? ° ^ H H B > > of bot. 536 — Folus ^upia vindibuf>, subtle gldiicc^cenUbus^pcrigO^TtirCegmeniis exte-

nonbus auantiaco - fl*o*, inteuoibus lulcib, slylo luteo; ovauo angulatun liiqueiro sulcaio rubio — In No*a* Zeelnndia

- 2 PH. GOOHMJM Lc Jolis in Hook I c 536 — Toliis Mibconcoloiibus, sc.ipo j>uban-
guhto ghuco-viicseclc, peiigonu segmentis extenonbus alio-s-uigniuus, intci IOI ibus
MnOibus, stvlo Indiu, ovuio obluse tn^ono luleo - uiisunlc — Vn P*li* *tolinsoi*
Hook iij insi> ^— t^li i icniformia (>) ngida anguslioia, bisi contlupliato, a medio ad
ajtiicin plnmuscula, doiso cnnnta integriima glabia, Mipia wu'ia, *ubtus SUIKOH-
Loloua pallidion, lc\itci stuatn. Scapus subquatli ipciLili^ GILLto- isccndens, «?uban-
tjulatu!, i*lic*< siibiugUiib ^lauco-MiescciK lamosus lhccini ..llcmi sicutli distaulCb
^lauto - Mitscentc^, iicium iaccmo&i, in spatbi^ Inuubmnci^ anle cfloio esconiiiii
eieto - jinoluti, ilciu hoii/out iliter palcnlcs S|>ailnc laiitculalac sap^ittatac acuiac
conduplicatm^ cainiatao meuliiaiiactac stualae, lulco - Miide*, post efflore>cenli.im
deciduac IVdnclli uniflon aititulali uigro-biunui i, su^ali ciecti Pcugonu coiollim
liinhus sc\p iuuuis, HI lubum oblige tuquitium bubaicualuni as>ccndcineiii pollicarcin
connivens bi^monia tiia cxlenoia paulo bitvioia, dorso clcviuorn alio - sanguinea,
apice auantiata subneuta, lua mienoia viudia, apice lolundalo- subiellexa concavo '
btiiutM j>t\ (.s(.tta inacqualia, filamtIHJS» coccejuti^ Antlieiae sagmatac aculae au-
lantiaiac 'Mjlti^ abeendtns bailius 0\auum obluse tngonum luleo - vnide, saepe
loiluin. Capsula j>u>icici> 3— i-pollicaiib ni, iestens Stmina pluuna oblongu com-
pie:>sa meiiibiauacco-alata alcinma nituh — Folioium foima cciussimo alia csi. —
(it^til in ^o^ /LCI nidi i

\\I. IWĒĒTnŌIVĪĀ *lterm*

(Knll) Enumti. IV. 27b — *Glonom* Linn)

- 1 M (GLORIOSA) ADYSSIMCA A IVich Tent flor Abyssin II p 322. — Radice tube-
lubi lamosa ciab^a, caule eieto simplici aut apite ramuso s.es>qmpedili subscabiOi
luliib opposjiis ovili - lauceolais glabns lac\ibu!>que, lpice aculis aut in cnium Io^"
(,im 11noamu comolulum tciminali^, llonbiib nia\itiii>, sac>iiib ssolilanis rubio-auia¹¹,
'n i» in\uisi>, iai]o< leiiniuaniiibu^, ciljtis campamilalo - sLmipalLntib sopalis lii>^{erIS}
elliplico - litiuolaiib, M\ inaijjine •jiibundulais, apite aiuli6simi!» subglandulosi., b^{nSI}
ii jjiuialu ot bul\unguiculatit>, blammibus 6 caljte bitvioiibut., imib sopalis insert'^*
Mil)di\uguilibu>, 6hlo dtclmalo .juce lutldo, slignnlibus subcaj)italis styh division⁶⁸
ici iniiianlibiib — (/jjos/y/js *sptcio^a* Ilocbsl — Wlpi^ Vnnal I 853 no 1 '*
II (bjtni m AhjaMiiiac pio\incia Clmc

Ordo CCLVI. ASPHODELACEAE *Knth mss.*

(ASPHODELEAE Knih Cnumcr plant omnium IV 280-657 & 67« — Wlpis Annol I 853)

Tnbus I *HYACINTHEAE* Endl. — Knth. 1 c 281.

ER4TOAOTR1S *FnzL*

(Knih Enumer IV 678)

- ¹ k BIFOITIIochsl in A Richaid, Tent flor Alnssin II p 326 — Parvula bulbo o\oideo -oblongo subletcli, foliis radjenlibus binis lanceolats angusiis acutis ghbris, scapo gncih folia aequante, flonbus rosris, longiusrule pciliccllilis invertis, racemum lo rminalem bre\em formantibus, brartcis inimmis lanceohtis, ciljcis campanuhli Piofunde sexparlili lacmiis o\ali-lanceohlis nequnlibus, stamimlius sex, nnae calycis ^as» mserli&, hcinnns aoqmnlibus, stylo stnmina aeqmnlc, siigmate terminali puncti-foimi — Habital in Alnssmine plamlic Wnlcha prov Sina

Mil ItUQSCARI *Touinef.*

(Knih Lnumer IV 313 — Wlpis Ann I 856)

M MONTANUM C Koch, Linnaea XXII 253 f — Folin olilongn acula, in peliolum allenuata, ex maigme flmbnala, scapo (sine racemo) piululum minora, racemus ob-^{ion}gus, pedunculis patenubuo, floie longionbus instruelus, corollae^ lucidne, supremac ozureae, laciniae duplo lubo bieviores, siamina faun inscrla, inter se aequalia. — **Crescit** in Asia minore in monte Lclwar

M PYFNAMHUM f Koch 1 c 255 f — Bulbis ovalo-subiotundu«, folia subterna •'nean-oblonga, maigme glabenima 5'-6 lin lata patula, scapum nequanlia, racemus oblongu^ pollicans densifloru¹; pedunculi coerulescenes, declivi nut cernui, /lores aeQuantes, penanihium oblongum, sauiiale azureum, hcimae ovato-aculae, tubo triplo hr eviores, mcuivulae el oie peivio pnqditac, flhmenn fauci inserin, anthens flans ^^ ^rescit in Asia minore, in districlu Scliuingol

XIV. SCIMAIAA *Linn.*

(Knih Enumei IV 314 ft 67fr — Wlprs. Annal^ I. 858.)

Sc ROSENI C Koch, Linnaea XXII 250 + - *Bvijma* ovattii, ~~strobilans unicus~~ clusus, folio duo, lmean-oblonga, scapos aobt&nt» unltpl'Os ~~et longitudine~~ aeQuantia, floies ceinui campanulati, senus magis nperli, ~~aequantia~~ pedunculi lac¹ ea amplexiscapa parva 1 lin longa persistente fulti; ~~netis~~ ex dimidia parle s¹ upenori dilute azuioa, ad ba*in adhuc dilutiora, ~~in~~ ~~aque~~ ~~stida~~, filamentis latis

linenbus tprtin parte longior, stylus germme duplo longior, fihmentn aequans
 bnsi tenuior, ovula in loculo quoque decem — Crescit in distuclu Abotz Asiae
 minons

- ? SC MONANTHOS C Koch 1 c 251 f — Bulbus ovams rufescens foln duo anguste
 nblong-n nd Imin angustissimn multmervn florem pnene nttingentin, scnpus umfloius
 subsolilniiub debilis 1—2 pollicnus sub floip subcernuo nlbido nut dilutissimp coeru-
 IPO brnrpripis I • rī» minimis plni unique supeipositis instiuclus sppnlñ patulñ nervo
 dorsnli obscuiriī piaeditñ flñmñentis hñccolali* et stylo nequali |i< duplo longior —
 II it nil in VSIK minoiis distñctu Ilemschm
- 3 SC SIMFENSIS Ilothst mss tn A Richard Tptnt iloi Abjss II 327 f — Bulbis ovoip-
 dpic mngnitudinr pugm tt ultrñ folns f scñptJ 1—2 pedali nudo teieli racpmotei-
 mimli primum condensnlo, dcñde plongnto ot dislantifloro flonbus nlbidis peduncu-
 Intis bincteolñ linear acutissima basi ^ulTultis cñljce cñmpñnuhto legulan, sepalis
 ima bñsi cñnñiis ovñli - oblongis oblusiusculis in cñnlio linen densiore longitudinali
 notñtit stñmimbus inclusis vix medñm scpaloiura nKiludinem nlimgentibui tñmentis
 planiusculis npicp attpñuatñs glabñs, cñpaula tñquetra npicp mñnigñntñ ghbra — Ha-
 bitñt in Abyssinñe regione montosa louglete in rpgno Choa
- 4 SC MIMUNTHI A, Rithiid 1 c 32S, — Bulbo ovoideo - oblongo (bulb^u Tulipae
^{Lucernian} ic noqmñle) folns ? stñpo bi| edñli nudo teicti glñbio, Mribus albidis
 longe pedicclhli^ bñctPis inñmimis hñtcolitis stipuis ptivuhñs (trt| lo minoubus quam
 in ^ ^ men si) olvte cñmpñnuhto lacimis elliptic^ icutis in centro linen crassion
 notilis — Ilibilit in \byssimae monlo^is pio\ Lbire
- 5 S(P^f^ITIV^A \ Rich I c p 328— Bulbo subgloboso, nucem luglandts nequanie
 folns mngustis sublineiibub aculis ghbus senpo folns duplo longioie'pudo nut 9ub-
 neqmñtt, flonbus luteis in centro vindibus pedunculatis lacemura laxum distanlillo*
 rum pfToimñtibus bincteis ovali - lanceohtis longe ncuminñtis in centro pillule pur-
 purnscñtibiiit, nñgine tenuissimñs scñnosis nlbis, cñlyco campinuhto sepalis basi
 conlius (se| nh Scclat maulmuv seu Sc bimensis Hochst supcianlibus) elhptico-lan-
 ccohtia acuiiusculis, stñmimbus scpnla Icie nequantibus capsuh ovoideo-oblonga oq-
 tusñ tñquetñ ghbra, cñlycp submñncscñte \estilñ — Habitat in Abyssimae montosi*
 rpgm Choa
- 6 SC OUARTIMANA A Richard 1 c p 329 — Bulbo ovoideo paivulo, loins linearibus
 angustis ncutia ghbu^ senpo giacili palmui simplici nudo flonbus magnitudm^
 medñs snepms 3—4 breviter ptdicellñti^ racemum simplicem elToimñtibus, bracW*
 Imonii acutissimñ pedicellos duplo supeiame, &epñlis clliptico - oblongis acutis, *n
 medio crñs&ioribus maigine tenuissimis glabñs a|ice incur\o omnibus subloinicaU»
 smminibus caljce paulo bie\ionibus — Hñbilñi in Abyssimae monlosis prope M^ua
 goua in piovincñ Chire
- 7 SC ANGUSTA Engelm Bost journ V 257 — Gñcilis folns linearibus apice long^o
 ntñnuato scñnceis fiaccidis, scapo brevionibus, biacteis e bñsi lanceolaia menbran^a
 cea subuhtis pedicellos erecto patentes subaequantibus, nldbastris oblongo-UñeariD^u,
 ioliolis peiigonii linearibus obtusis stñmma duplo superantibus ~y Habitat m repub^l
 Texensi

XVI IIEDEBOITRIA nth

(Rmh Enumer IV 335 — VMpis Annal I 857)

- 1 L MACULATA Dalselt in Hoo^k Kew S^d misc II 143 - Folns obovatis glabris in
 petiolu^o maculis purpureis notatis nunquam bulbifeus — Hab^{it}
 tat in "W^PWTotan\$W{<trictu utroque Concano

XXIV. ORHriTHOCtAItUJIE *Linn.*

(Kntb. Enumei. IV. 349 a 683. — Wlpis. Ann. I. 858)

- 1 0 **ROCGNERIANUM** C Koch, *Linnaea* XXII 246 f — Folia linean-oblonga, 4 lin. lata, scapum brevissimum, infra hi<pidum, pluifloium longe superantia, in pagina in tenon et nrrgme reirorso - Impida, bractee pedicellum pateniissimum, sen us refractum superantes, iloies paene aequantes, ex medio vnescentes, ex laieubus contra pHfucido - meinbranaceae, sepala 7—9 Jin longa, 3 lin lata, oblonga vindia albo -rmmrgi-ⁿⁿla, flhinenta plus duplo minoia, allera hnceolata, nltera oblonga, subito acuminnia, laiiora, siji^{Uk} geimine luevrer — 0 (*imbnalum* Dot Reg lab 555 — Dot. Mag tab 3077 — Sweei, Out flow gaid (1 Ser) tab Hi — Crescit in Dahuna.
 - 2 0 **BIFOLIUM** r Koch 1 cit \I\ 10 a XXII 248 f — Bulbus ovalus, 4-5 lin latus, ^lnicis nigresconu-brunneis oblectus, folia duo scapum capillarem bifloium aequantia, ^DJgusio lineari-oblonga, ad ba&m atlenuala muluneivia lenuia, pedicelli pollicares et ^Uia, alti ex axi biactee dimidio bievions orlus, nudus, alter medio bractea brevi so niria *)u^lujiici insiructus; sepala oblonga, exteuoia latioia, fascia virescenti quinqueneivr oblonga inteiora e\ basi sola fascia 3-nervi lanceolata praedita, fl^{enta} (l)midio minoia, micnoia laiiora, subito m acumen anhenferum attenuate, ex-^tora hnceohn, sljlus amculatus (?), germme longior, stamiau TJZ superans — ^escu cnca Briisjam
 - 3 0 ^{GR}**ACIIFLORUM** Koch 1 c XXII 248 f — Folia subduo longe elliptica, ad basin ^{pl}aPiccm aitenua^a, mullinenia, scapum (sine coymbo) aequania, flores sub-4, m-^lenores longe pedunculati palentes corymbosi, bractee mfenores paene pollicem ^l&'ve lancLolatae, dimulium peduncflum aequantes, sepala oblonga, duplo et ultra ^{Jj}elminc et fillmentis aoqualibus lanceolatis mnjora, stjlus bievis, vix longitudinem ⁻niidn geimine aequans. — Ciescit m montibus allis disliictus Hamachin.
 - 4 0 **^RVCLJYSTACIYS** C Koch 1 c +— Folia ciassiuscula canaliculate, margine subti-^{Uer}er Ser «ulaia, laccinum neutiquam aitingentia, scapus cum lacemo paululnm brevion ^{peda}ilf*ⁱ pedunculi palentes, fiuciilen ascendvntes, biacteam obiongo-acuminntnm ^{et} floicin du)lo supeiantes, sepala linear) - oblonga, fascia ochracea praedita, ^{flor}« ma duplo nimora, alleia oblongn, subilo longe acumuiattK — Ciescit in vajle
 - 5 0 ^{Tr<}**AAMJM** Stheele, *Linnaea* XXIII 146 f — Bulbus lumcatus ovatus, basi fibrillis ^{lori}omalibus obsitus Folia ladicalia coelanea erecta camosula late lineana ner-^{vo}so-striata glubia racefnm attingentia scajm brevioia. Scapus erectus simplex sea-^{4ui}»edil, aphjllus ghber, infine teres, supeino angulatus sulcalus, apice pacemoso-[^]unoius Racmus simplex elongalus bracteatuseieclus Flores solilarii pedicellati ^{ere}cto - patentes Pedicelli tngoni sulcati glabu bractea membranacea slipati, pengo-ⁿⁱUni vix aequames, biaclea sua bieviores Uiactee 3-nerves gJabrae, e basi lauori ^{ow}nga longe subulalo - attenuatae Pengonium 6 - phyllum corollinum regulare mar. [^]escentl o-peilistens, foliola ima basi connata 3-nervia late hnea|»a»labra obluaa TMntia aequaha Slamipa 6 pecigonium dimidium Wkbaequantia, afflW|viora. Fila-^{me}nia eiecia leceptaculo inserta complanaia, apice angu^aMMj^Wbilocglares ^{lni}«oisae oblongae doiso afflaxae. Ovanum sessile H b e J ^ ^ t a m Irlocalare stylo ^{Lr}eviu\$ Ovula complanaia biseriaia horizontalia analropa^HggK^8 tngonus sul-[^]sglabbr, slamimbus longior, pengon.o brevior ^{oblo}gi obtusi erecto.patntes Capsula 7- ~~Toma~~ ~~non~~ ~~Neur~~ ~~ampala~~
- [^]**AEOBPPALUM** BortexM excour. Gbil. no XVI p. 788. — ~~...~~ di Torino
^{...}«Xlx» 15. f t. 53. — BulboroiuQdaio prohfeio; foliisra ~~...~~ lanceolatus
 HI.

plants ciccus acuminatis, scapum nudum subaequantibus, 'corymbo 4—8-floio, bracteis scanosis ovatis acuminatis pedicello brevibus, pennis subcampanulatis cretici hucus acqualibus ovatis obtusis, filaments omnibus acqualibus incrassatis, pennis brevibus, stylum bipennem subaequantibus — Chili

XXVI IROPETALIH *Gawl.*

(Kntli Enumci IV 377 — Wlpr* Annal I b58)

- 1 U TACAZZEANUM Hoth% niss in A Richard, Tent flor. Ab)ss II 325 — Dulbo globoso, folns snepius bmis temisvc, angule lanceohlis aciUis phni* glabns, sopo duplo longioic nudo g) ICIII, llonbus vmdibus peduncul ilis pendulims, biacipi lanceolata QLUH suiriiltis, caljcc tubuloso, scpalis icrua parte infeine coaliti*, eWernis longionbus I inceolaiis <ILUU>, apicc ICCUIVM, iiiicuoubus eicrtis oblongis oblusis, capsula olio\iio-globosa obtusi-sirm, obtuse tncosiaia icnui - memhnmcea, semimbus compicssis planis atns — Nibitu in Abyssinia? con\alle (luyii Tacazze
- 2 U (0 DI PHLSSUM A Riclnid 1 c p 325 — Folns 4—5 hnccohtis, apice longe acuminrtis phm* ghbus, scapo |i\ podali folns breviorc nudo, iloubui 3—6. pedicellatis nccmoMs ctpsulis apicc \alde dopiossis launbus qmm longis U^osiaais, coslis atutis ghluit, semimbus lion/ontalibus plinis all is — Habitat in A^ssimae regione sabulosi Lboho
- 3 U MINIMUM Stolid 1 c p 3^6 — Folns setaceo - convolutia acutis, scapo gracili vfx bmtiali fibus 2—3 viudibu^, bitvitPi podunculalis, biacleis ovtli - lanceolatis acuminitiN, pedicello Iongionbus, cnlycc tubuloso, sepals tertia parte infcinc cnalais, extcims loiigiioibus oblongit. angu^tis, apicp abiiiptc acuminatis, acumine latiusculo oblu^o, intimis clliplicit obtusis — Habitat in Abjssiniaie pionflcia Scmicnc
- 4 U MONTANUM Dal/cil in Hook Kcw giid inisc II 142 — Scapo tcciet pedili, racemo nutante 8-floro, foliio lincaubus complicate scapum nequantibus, coiold alba 8-hncan cmpanulalo - lubulosa, hciniis exlerioribus lubo pjulo longionbus oblongis obtuse, mtei loribus ad medium connaus confoimibus, omnibus apice ghndulosis, bracieis stnnosis caudato - acummnlis, pedic His lon{jioii)ii<5, sljlo papilloso, cnp^ula siipilata 3-lobi, lotulis 3—4 - j>ptnrns ladice bulbosa, bulbo tunicato — Habitat in monijbus Sjhadice in India onenhli
5. U CONCAJNCNSI Dalzill in Hook 1 c p 143 — Scapo lercii 8—10-pollicinii, racemo nutante 3—4-floio, folns scmitcielibu* cainosis lilifonnilius piutu (2—3),dor<o planis, facie supenoic piofunde ciniliculis, scapo dimulio bieuonhus, corolla candida lubulosa scsqiiipollicaii, hciniis omnibus latitudmo acqmlibus, extorionbus pff' tentibus, lubo dundio bicuonbus, inciloubus ad medium connatis, omnibus linoau - oblongis oblusiuscul^, ^picc pipilloso - ghndulosis, bracteis scaiosiss hlistimis atummais pedicelluin sulnpquinibus, sl\lo pnrlic Mipenoie papilloso, sugmate brevilri iiiiifdo, ciptula slipiati inolntn, lubis loiiuuhtis, oculis hexapennis; stnunihus (omprciso - planis nigus nilidia laevis — Iljbiat in Intliao provinciQ Mal-

Tribusi II. ALLIEAE Knth. 1. c. 379.

XVII ALL.HJM *linn.*

Diff. Enumier/IV. 379. a 684. - Wlpis Ann. I. 859)

- i A BOS^JM^anMaer fit Spndtner, Flora (BZ) XXXII 762 + — Scnpcfolioso, bas vagialo, fotiis an^J|^aearibus canaliculaus, spaiha unicu latissime orbiculai i wucr^

nata quam capitulum ebulbosum laxiflorum brevioris, perianthio inaequali, extenore quibus internodiis brevioribus, utroque phyllis oblongis obtusis uninerviis, filamentis linearibus, alleis internodiis stipulatis, stipulis circa medium filamentum liberis, antheras aequantibus aut superantibus, o perianthio exsertitis — Ciescit in sepibus prope Travnis in ascensu montis versus pagum Bukovizza 2000

- 2 A CARDUCHORUM C Koch, *Monna* XXII 237 f — Folia graminea minusve complanata, scapo lacivissimo stulto terete pane teilia minora, umbella multilora densa, spathi 3—4-flores cincli, flores eibesccentes, canna saturation, pedicellum duplo superantes, sepala linear-oblonga, filamentis vix longiora, Momenta alterna lanceolata, altem latissimi, inferne et superne aciculata tuncuspidata, cuspidibus lateralibus lanceolatis, aequilongis ac lalis, stuctis, media duplo, tuplo longioribus, stylus longitudine geminis inclusus — Ad *Rhizidium* peitmet — Giescit in *Kui* dibtama*.
- 3 A, SYNTAMANTHUM C Koch 1 c 238 f — Bulbus *Avellanae* nucis magnitudme, tumcis Inunneis obtectus, caulis teres laevissimus, ex basi folus duobus, ratio tubus semicylindricis, inferne canaliculatis monibus mstructus vaginae stnatae, capitulura multilobium, pedicelli flonibus subduplo longioribus aequales, sepala ex basi connata, ex parte sunenoi rubentia, inferiori pubescentia ovato-oblonga aculiuscula, eorum longitudo in longitudinem (baseos) duplo superans, filamenta ovato-lanceolata, dimidium sepalum partem superantia, stylus brevissimus, genuine brevior — Gum sequentibus **Koehiuni*** ad sect *Scoiodon* peitmet — Habitat in Aimemae prov Eriuan.
- 4 A GRAMINEUM C Koch 1 c 239 f — Bulbi indurantes, tumcis inclusi, semper ultra pedalis glaucescens squalis, lorum subsex gammca, superius paene ailing-ens capitulum viginis colorato-stnatis insiucta, spatula inophylla laceia, pedunculum circumdatus, »epila flatstenia, exteriori canna aspicia vnoscente instiucta, filamenta allicina lanceolata-subulata, scapula aequilongis allum liustpidata, majora, late lineata, cuspidate media antheris quidiuplo brevioribus, lateralibus contra mediam Jonge exsertitis — Ciescit in Armenia Kossica altit 3000 ptd.
- 5 A BYZVMINDM C Koch 1 c 240 f — Stapus tripedalis et ultra, ad medium vaginatus, glaucus, folia linearia plana, ex parte lineata, umbella globosa, pedicellis tenuissimis micis scissilibus, loricis 6—9-jilo superantibus, sepala oblonga atua canna aspicula nupula nullo vix longiora, quacum globulum formantia, filamenta linear-oblonga-subulata, aequilongis liustpidata, cuspidate media dimidium filamentum aequantibus, lateralibus contra longis eminentibus; stylus longitudine geminis — Giescit in Onenic ad Bosphoium.
- 6 A LLUCIUM C Koch 1 c 240 f — Stapus tripedalis et ultra; bulbilli hemisphaerici, folia miigino sciruhla, umbella globosa, spatula univalvi brevior praedita? pedicellis 6—9-jilo superantibus glaucis, sepala alba, ex parte striata vridi instructa oblonga, capsulae maiore aequilonga, filamenta alterna lanceolata, alterna tuncuspidata cuspidate media linearia filamentum vix aequante, lateralibus contra longioribus, longe exsertitis — Ciescit in plannit fc>Lhn>un
- 7 A UAUMANNIANDM Koch I c 241 f — Bulbus horizontalis aut ascendens, scapus latus sulcato-stnatus/bipedalis et ulna, folia linearia neivosa-stnata, ex margine subulata, spatulae valvae ovatae - nuncumarte, pedicellis exteilonibus declinatis aequilongis, sepala exteriora ex parte linearia laeviuscula, **partibus tuncuspidatis breviora, zinnia crata acutiustula, stamina altera lanceolata-subulata, linearia; sepulis aequilongis, tuncuspidata, cuspidibus aequilongis, filamentis aequilongis, omnia vix exsertita, stylus longissimus.** — Giescit in peninsula *AjSCMjOpj*
- 8 A ERUBESCENS C. Koch 1. c. 242 f - Bulbus pisi graac magnitudine, tunica brunneo-nigrescente obtectus, bulbillis 1—3 mmimis praeditis; Scapus ascendens, 9—10-pollicans; folia angustie linearia plana, spatula altera ovato-longe acuminata, ca-

piuli migmiuline, alteia brevisma laera; umbella cnpituliformis, 12—16-flora, sepiln oliloniro - Ifincolnta, inicnoii vit lalioia, exlenorn cinna a?pein; Hhnicntoinm tiicuspiil iioium, infeim* s<p ilis aequilntoium cnsps mlcrniodia Hlnmento plus duplo mmoi, dispirit s Lilcinlos contrn noquilongir, si urnm oinni i jncluim, stylus (liindiiim gennn acquans — Cicsul ad liloia mans Lispiu

- 9 A SPATIIUfbM Sleuri mss in A Rich.uri, Tent flor Abjss If 330 — Folns plains nguMe Innccc I ilis •iculis.simis, nnigino cilnlis, bi-si vagiimntibus, stapo simplin \i\ foln aoquanU yr.ncih)ttlali, floiilius nlbis subrosrolis s<iluhiiis, longe >cihcr>|| uis, Liidtd 10—15, spaih **Imoi<li** (iicullnti oblonga ntunnmii ruplili, sepnlis clttplins acuds, (llanitintis omnibus plamusculis subuhlis odonliilis, tipsiila pisifoimi globo^a — Ad *Maciotpathas* attinel. — Habitat in Abyssiniac pioiv Stmicnc
- ^0 A ALIBILE A Ruhaid I c p 330 — Pseudobulho globoso albido, oxlremitem di giu acquanP, folns . . .?, scapo mmplici nudo spoquiped.ili, floubus pallide roseis, brevitn pedunculoiis, serlulum densum multifloi um efloimanlibu<<; ^pnlba brevi multivalvi scanosa alba, squanus scauosis fioubus inloimixds, caljcc campnnulato glabio, sepalis crectis ovnli-oblongis nculis, doiso unineivns, fllamentis shminum planis, bast Ions angusic lanceolatis, mteinis apice tnfidis, lacimis hlcralibus longionbus lanceolate aculis SIOI ilihus, Ill.imoniiis cxeims acquilongis cdentulis — Jlibuat in locis montosis Alnssimae in prov (line.
- 11 A. (ORNUTUM Clomonu, Atu delln tciza nuniono 517 — faulo basi folioso folns- quf glitucpsn nlbus tciclibus fistnlosis, spnlba univalvi ovali Inucronali scenno^a uinbtllani glubo^am contraciam bulbillifeiain sub.icquanlo pcrianilm obovato-tngoni lacinus ovnli-ublongi^, ovauo longionbus, stamina subaequanlibus —Habitat ad **Castellum** bt. Stcfano Vc Foite/7a di Budut.

f Icon addend*.

- A ACUMINATUM Hook. - Knih. 1. c. 451 no. 150. — Paxt. & Lmdl Flow gnrd f 129 tab. *>

XXVIII IVOTIIOSCORBUM *Knth.*

(Knib Enumnr IV. 457.)

N SUBBIFLORUM Wlprs. mss — Hulbo solilano ovato, tunicis externis nlbidmsculis, folns radicalibus lineanbus planis scapo tcietiusculo longionbus, spalha 2-valvi poistenle 2-florn, pedunculis longioie, pengonn lacimis ovalo-lanceolatis obtusiusculis slriatH, gentalibus inclusis, stnmmbus dislinclis **pisillo** brevionbus. — *Alhum subbi-loium* Colin, Memone di Touno WX1X Id tab. 52 — In Chili

XXIX BRODIA £ A *Sm.*

(Knth. Knumcr. IV 470)

- i. *BR. CAUFORNICA Lindl. (ubP) - Van Houtte. Flore des serros V. p. 428b. (c <^xylogr) *.

XXI B K S S E R A Schnlt. fil

(Knlh Cnumer IV 476)

I B MINIATA 1 emnue in Vin Houtte Floro des scircs IV tih 424 — Gracilis* folns juncilormibus piano - rotundatis scab rid is snatis (^tnis minuli&simodentinihu«), spathe foliohs 6 mimmis persisicntibus subcolofalia, umbella 7—12 Hoi a, floubus vivide numaiis, peditilli* bncteiuis, segmentis ipico papillosis, uiceolo dentilo, stimum flhmentis papillifcris, antherfc uniloculai ibus clnrtueis in angulum plicntis — Habitat in Mexico

f Genera Alhaceis affinia

(Knth Enumcr IV 478)

WWII TE CO PHIL.* Bertero

(Bencro mss ex Collo, Memono di Touno XXXIX 19 tab 55)

***Spatha nulla Pengonium semisuperum tubulosura rumpens, tubo brevi, limbo 6-parlito, lacinnis paltntiustulis subaoqualibus Appendices 3 pelaldideae ad Lubi faucem opposite cum stamimbus 3 insertae, nnthens terminalibus eieclis subconnivenlibus \i\ e tubo exsertis, basi calcaiatas Ovauum seiiniinferiim o)alo-oblongum compressiusculum tusulcum Inlocuhre multio^ulalum. Stylus filiformis, stigmatc tenuissime 2—3-fido. Capsula 3-loculans 3-valvis, loculis polyspermis.**

I T VIOLAEFIOIU Boitcro mss ex Colh I c 20 f tab 55— Uulbo compressiusculo, radicuhs ptii| bencis, folns paiLis ingustc cnsifoimibus bnsi vaginitis, apice acuniimio cuspidatis, senpo subbilloro folio inlcnou breviorc, flonbus conspicuis bast 2-bracloohiis — Pcrnntbium tubulosum, tubus nngusntus brevis, infra apicem gcrminis msertus ibique post anthesin seccdens, limbus 6-pnrtitus subirregtilans, lacimae 3 extenores, infenor 1 et 2 laleiales suponoies piulo latioics obtusiusculae, a pice mucionulo subulaio ngidiusculo terminate, 3 mienoics scilicet superior et laterales 2 inftuores paulo angusiiocis mucionulo dostilulae, 2 istie Inlcrales infenores bast attenMtae ibique et admirgincm ciliolatao ct ab onpine convoliiiio-tortae, itout superficies earum intenor infpine speclct et cum hernia lriflmd lubi speciem simulet Appendices 3 petnloideio lineares sMinnie violocnc creclae, 0)ice mucronulo albo subuhto insiructne, ad tubi faucem inseine ad basin lacimae supenois ct duarum Jaterahum supcnioium, an reveia pelah? an potius shmina 3 aboitna? Stamina 3 ad tubi faucem mserta, appendicibus 3 «iupri descnptis ,opposita, flhimsnta fi^fnpressa' glabra, unheiae biloculares subvtiagonae llivae submciuprae, basi ifiojir^fjiformi recto insiructne, npice biperforatae et oporculo Inanti iraff^i^bidiio tectae, pwlen flavum fiunosum Gormen semisuperum ovito oblongum, **irtra** tubum corollae conicum, stylus filiformis glaber longitudme feie staminum, stigma TIX indenlntum Fnictus (capsula) tnloculaiis tnvdlvls, loculis polysperr^is Semina oblongn, placentae centio adflxae inserta, valvjs medio soptifens Radix tuberosa, flbns uccis undlqne vestia, radicalae non in extremitaie tuberis sed ex eju^dem pcuphena Folium exieinum abo^lions, vagina tantum relicta. Folium intenus et solum ^ojsnicunm oblongo-lancco-

Idtum, npice arunnnalo-cu'spnhtnm, bisi vnginans et ad marginem subunduhlum Pedunculii CLIII illis lolio bicMOi, ad ipitcm brictcohs Z iltcinj» sqiamaef^jnibus vix • Lonspicms |jaidiiu!s I lure* caciulti, fonn et coloie e longinquo 1 lolam̄ odoialam aimulantes, iriodou ^ mil Jloie albo et scipo idiibMnic bifloiof^l numquinn uinbelli- FL o — Chili

Tnbub 111 *ANTHERICEAE* Endl. — Knlh 1. c 492.

XL KSTIFHOFIA *Much.*

(Knlh Enumei IV 550)

- † KN isOI TIFOIIA A Kit liaid, Tent Hoi Abjss H 324 — Radice fasciucuala fibns tdinoM<> fusifoi inline, loliiii i ulicilihus creclis, Imi hti seinmnplici uilihu> tnsi- fuimi] IK U< uciLis, nni,i(ic giimhlis, se ipo foil is duplo IOH_pIUIL HIKIO, squimas pei jiauci"> o\ ill Tcuals geitulL flonbus lotcmum leimimlem sim)licem condensaliim ellui irnnii)ib bit\ilei pLdicclads, bnccieii tnali-lanctohlib aculii> teiuu - me nibiana- lei , pedictlo niilto loiiigionbus, tdljce lubulo^o incui \o, basi bubcomto conslrccio, oU|Lii)t lubul s, n| ILL icxfido lChilian ^la'no, stannmbus 6t\, imac caljcis basi jusnib itulii^is (i nmtiitis libcus pi niHisculis, fiuctu o\oidto-aculo nudo — *ltudol' jh luimnu I&JLIII In Ho list mss* — Habitat in Abvssimac piovincm Stmicnē in 11 ilib inontnnis
- ‡ Iv\ 01 \UIIM\NA A huliird 1 c 323 — Folns i ulicahbus anguste lanccolalis Jo- t I LJ *> ncnlis<>iinj) b IM unpl(\ic ulibu-* pIi)is imi_oinc pills tan* subcapililis cilio- 1 ui^ 2 i c It* loipi!> sti|o 6ini)liti nudo 1 In sul it<|innu , raccmo teimunli denso, lluiibus bievissimc pcdunruhiis subpinduli^ uiuulncis, bncliis o\ nil - lanccolalis aiiili^Minis, tiljce piuhspci IILU to b IM mil ilo glubu^o, supn lubulo^o-cainpa- nuhlo, 4<<xrie\io sexdui ilo, snmiiibus sljloqut exseilis — 1 *tlthuma lbyssimca* Rtduale LjJiac tab 18b — Habitat in Abj>MuidL moutOMs piovinciac Cliue

\LII ASPHODEtrS *Linn*

(Knlh Liiumci H 554 a 693 — A\Jpib 4nnal I 866)

- 1 A TEMJirLORIS f Koch, Linmci WII 2fal f — A^cendens folia angustJ«J»"n^a belacca ghute&cenln, supnne senulm, floiem pumum pitno uunt,cniia, sc>p^u s^o siniplicissimus, sub yiloiu 7 llores icmoti pediccllo \ix longiuiL->, bntteae pedicel^o dimidio longmrcs Jdticeohlac, longtime dcuinntne, sepih Wbida, iii^usiissime OB" lon^Laut lineain, 9 Im longn, I' / — 2 I/n lala, hhmcnia ahcina longioia et sepa^{la} stjlmque aequantia, basi lnta et gcimcn tL^ente glabcinma — Habitat ID ~~AB~~ r^o Rossica
- 2 A SZOVITSII C Koch I c f - Ascndens foln ad bism scapi teretiu^culi, *simplicis* aut ramosi, seiacea laevw, lamifn aut lloicm pumum aumgentn, bracieae *ovatae* subuo longe acummatae, pedicellum nequantes floie bievioics, *epala anguste *oblong** 8—9 lin longo, 2/2—3 Im Jala, fihmenli longioia aequantia, Qlamenlorum *btfsis g^{at}*, men tegens glabem^mp- Ciescit in Aserbcidshan

XLIV. BULIBIIVE Linn.*)

(Knth Enumer IV. 563)

- 1 B. ABYSSIMCA A Richard Tent (lor Abyss II 334 tab 97. — Radice fibrosa, fibris crassis longu», folis radicalibus numerosis cretus teicti-camosis subulalis acutis glabris, basi vigintibus, scapo erecto nudo vix pedali, floribus laxis longe pedunculatis, racemum densum terminantibus, liliaceis nunci pedunculatis nitidulis et facile deciduis, bracteis lanceolatis longe recurvatis acutissimis, pedunculo brevioribus, superioribus usque ad basin distichis semipalatis ellipticis aculis, exterioribus minus, interioribus subcaulatis, seminibus 6 in alveolum sphericum basi affixis erectis, in binis exterioribus biconis, in omnibus filamentis subulatis a media parte usque ad apicem barbo-birilis, nectaris dorso affixis introflexis, ulunquc obtusis, apice emarginatis, capsula obliqua subcarnosa, calyce persistente et nunci concolorato oblongo. — Habitat in Abyssiniae montosis partibus Oudgoue.

XLV. BLAIVDFORDIA R. Br.

(Knth. Enumer. IV 589 — Wlprs. Anna! I 868)

- 1 tPL FLAMMCA Lindl — Van Houllc, Floie des serres VI. 163 tab 585 — Paxton Magaz of bot. XVI 353. c ic

LII. PttAIAIVGIUM Juss.

(Knh rnumcr IV 593)

- 1 PH. (CICHEANDIA?) SCAKRELLUM Benth Plant Hartw 293 no 1622 — Caule minute papilloso-scabio, nunci romulo, folis lanceolato-linearibus complicato-subfiliculis ciliatis, pedicellis medio nitidulis, pongomi segmentis oblongis obtusis (albus) reflexis, intheris libens filamentis multo biominibus — Species inter Phalangium et Lcheandrum ambigit, antebene libiac pions, pongomum ipse hujus Radix fasciculata, fibris in Uibercula oblonga circa pollicem a collo distantia incrustatis. Folia radicalia plura angustato-acuminata, semina rigidula, ciliis marginalibus exceptis glabra, 3—4-pollicina, basi angustata et estigens foliorum setulosis cinclis. Sopus in specimine pede paulo longior, in parte superiore flonfeio romulo unico mstrucius, in ramuli ortum et infra ramulum squimae bracteanles paucae remotae membranaceae occurrunt Flores term ex axillis bractearum ovalo-concavarum orli, magnitudine florum Ph ramosi, pedicello 4—5-lineari fulvo lacrimae 6 subaequales, mtenoies eximie oblongae, in sicco hyalinae et obtusae, sed venis uibus intensius coloratis ad apicem connatis pmo intuitu acuae videntur. Stamina 3 ad duas filias corollae hinc 3 paulo brevior, filamenta filiformia papuloso-capsalata, antherae 2—3-plo longiora Oxalium oblongum, sub* in quoque loculo cicbris Stylus filiformis superne filium incassatus, summo vertice stigmatosus et ciliato-barbulatus. — Habitat in Mexico.

*) Cf infra p. 641 ANTHERICCM.

LV CHLOROFH1TIM *Cawl.*

(hntb Lnumci IV 602)

- 1 CHI TARVIFLORUM Dalzell in Hook keu gnrđ misc IF 141 f— Octo—10-pollicare ghrum e iadicc fibrosa **lulinrilms** oblongis pendulis, foliis radicalibus cieciis grannco - Imr minis conr)plicitis «lintis», scapo loigioiibu-i scopo simplici pauulloio, llonbus solnains \cl nitciilum gemims, bridris acumnalis suffultis, flhmentis ilteinitim piulo In OMOI ibus ghbns, antheris vmdibus, pptlictili* medio alicuhli'), fiuUi-fuis nulinliiii ovmi loculis 4-o\uhlīt, capful i acute lobalo-tnan^ulari, semimbus in quolibel lomlo 2—4 compn ssis lenifoimibus minulc mamillalo-scabri:* — Habitat in Iridnp oi icritnlis prov M ilwan
- ? CIII AMIIMIK OIDLUM Dtl/cl! 1 c f — Hipedile ladicibus plunmis tuberoso, folus raditilibus ensifoimibu-> subcoiphcalis, rmigimbus unduhtis, senpo nudo simpliciter racemoso biecionbu*, scapi iimis 2—3 bievisbimis, floiibus solitatus vcl geminis, pedicellis scmipollicaribnt, pi ope bism jrlicuhli^ (liamenlis VGMCIUS minulissimis pipillosis, ovulis in loculis 10 Jji->ci ilibu», capsula Uiqutira, m quoque IOLUIO scminibu-j 5—> conipressiis renifoimibus, te-sl \ alia subllis^imc pipillosa — Quoad tnbītuni \nlheitco luhcioio sun illinium — Ihibilal in InJnc onentalis prov Mulwan
- 3 CIIL MMMONII Dalzell 1 c 142 f— IIndicc lubciosn, foliis licalibus planis laielānceohliM basin \riMis longt iicniialis ulnnqmc mtidis sinalib, scapo itieii simjflciter rnmoso brjciealo bioionbus, srapi lanns ex axillis. bractearum vagmantium lon,rs compicssj^ vol ano^ulalis indimsis, llonbus bricieaus geminis cernuis distantibus ricemosis, <lcipilis omnibus sub anibe^i paleniibus, exicnonbus acutiusculis, incuo^bus obtusis, ptulo innjonbus, sljlo atUu ndenlcstanunibus longiore, anlhen^ flameiibque minute pipilloMS atquilonis, ouilis in quoqut IOLUIO 1—2, capstila Inquctia, loculib monospcimi^ — Folia bipedalia — Habitat in Indiae oncnlalis provincia Mdlwan
- 4 CHI GLAUCUM Dalzell 1 c f — Hadicc lubciosa, fill<> rndicilibus retuivis hncco-Idlis aruminalis, bi^in versus ntenuUis subcomplicdlis „hucu> sliialis (maigimbus undul ui->) senpo stnclo erecto simplici sqmnnlo duplo brevioiibur. squamis plunbus viginniibus acuminatisj>imis, flonbus gtmiiis ap| loximalis puenlibus, sepab;. omnibus sulncqualibus pedicollī sii| i i riulium «u liculais, shlo filiformi stuclō stiminibub biiMOic aulbcns flhniCiiliMjiic nnnul^sinie pipillosis, ovaru liiqucln loculis 8-o\ulais ovulis biseinlibus 1 oln 8—* | oil longi, medio sebijuipollicem lua — Ihibilal in Indn oiicntali in montibus S\h<<diee
- 5 CIIL BIMVISTAPUM D ilzoll I c l-il f — I ladicc flbici lubenbus oblongis pendulis, loln> ndioibbus pi irus ensifonnib is (maigimbus undulalfs), apice acuminatis, bnsin vciMis attcnnalis stnatis, supia **rutili***, sublu^ pallulitt, sopo tercli simplici vel i u issimo lamoso subduplo longioiibus, flonbus bi lclLiiib gpminis confciliin racemo-&is, scpnlis oblongis acutis, omnibus sub antbosi rfltxis, pedunculis apicc artitul.Uis, stjlo adstendente stamimbusque acquilonis, nnthtis lineabus, fllamentis papillosis apicem vcisu<> inciassalis, sligmate simplici sijlo Inud ciast>ioic, ovarn loculis 6—7-ovulalis, cap^ula triquetn m quoque loculo scminibus 1—3 compicssis, testa aira subtilissime papillosa — Folia 12—14-pollicana, 1—i/2 poll lata — In India **oueo-tali** in provincia Malwan

IX. THYSVtfOTLJS *R. B>.*

(Knth Enumcr IV 613 — Wlprs Annal I 868)

- 1 TH. ?? 7 Schld. Linnaea \I 415 f — Subdichotoine lamosa glabra **folia I>>>^{ea}**, na sub **ramis in** bracas tnnscuntia, lloies m&cclis exesi ID umbella Urminali, **p&di***

cellis post anthesin recurvis et flore deciso peisisiontibus, bracteis hie ovotis acuiis raucronulaus, nervosii, inargine albo-hyalims, nervis obscuro coloi e tincns — Ciescit in Nova Hollandia ~~austrab~~

LVI ACAWTHOC4RPUS *Lehm*

(Lehm Plant Precus IF 274)

Pengonium sexparlilum regulaie persistens, lacinus subaequalibus acuiis, exteiionbus herbaceis, margme nudis, mleiionbus membrana-c^eis Stamina sex basi lacimarum mserta, filamenta hliiformia, glabra, anlhrae oblongae dorso affixae, loculis contiguus parallehs. Stylus subulalus a modio recunus, stigma obtusiusculum parvum Capsula ^nbelohoso-depressa, papulosa, dein undique aculeis confuitis echinata tnloculans tuvalvjs, vahis medio septifeiis, loculis dispeinns Semma oblongo-subglobosa, testa chartacea, microp[^]le papillifoimi. Albumen corneum Embryo in medio albumine filiformis rectus hylo congruus

¹ A PREISSII *Lehm* I c 274 — Suffiulex 2—3 - pedolis, *Xeiottdis* spcciem v. ginmen pouus referons, erectus rraosus, dense foliosus, ngidulus Folia disticha iigida linenna plana mucronata nenoso-stnata glnbra, patenlisma, iy_a pollices longn, scmiimoam lain, laete>india, basi nictē vagmantia, oie vaginae inlegro Flores ut \idckirpillidi, circa apices ramulorum fasciculato-gemim vel leini, breviler peduncuKilj, pulmiculo sub-penanihio noduloso T^{ti} lantlul lacmaie infenoies exlus in medio tubeucaiaie Capsuia straminea — In Novae lollandiae districtu Penh

I X VI E C H E %HTDI A *Ot leg a.*

(Knlh Lnunier IV 627)

¹ *L TENMHORA Omega - Kuth I c no 1 - Lmdl a Paxt Flow card I 120 Hg 81

f *Genus Asplwdeleis affine.*

(Knlh Cnumer. IV 640; •

LXXX A ^ T H E K I C U M *Linn (V*

(Knlh Enumer IV 656 — Species enumeratae ad BULBINLM periineie videntur).

¹ A ^{HU}MILE Hochst mss in A Richard, Tent flor Ab)ss II 331 — Radios flbns t^{cr}bus elongiis, folns lanceoht - lineanbus acuiis a basi lalion usque ad apicem (J^{(t)s>m} o^ongu#tis ghbns, mnrgrme tenuioribus integns, pedunculi? subradicalibus 6— (J^{asC})< uhtis bisi Aogitiis maequilongi? in\olulis, giaciiibiis umfions foiioobrevionbus, ^ J^cis 'ubulosi campanulas lacinus elliptico - lanciohtis subaculis aequahhns, a basi nn! ost S^l afIC^{fl} subrevolulis, stamina auperannbu9, in ceniro tnpivns; anlhens circin-nih^s ... Hfl>tat »n Abyssiniaie monlosia provmuae Ouodgei tte £t in prαιο moniano ' °Pe Entcheikab

- 2 A ANGUFCNFOLIUM Hochst m^s in A Richard 1 c — Radix fibris rra[^]sioribus bievioiis, folis linibus ciccis neutisglnbiis, basi vaginatis, margine Integra, pedunculis paucionibus (1—3) unifloris glabris, nlycis tubuloso - campanula scapulis lanceolatis acutis, in disco innatis, antheris lineatis; apice curvato-circinnatis — Habitat in Aliyssiinae provincia Chirc el in planitie montana prope Tchelatbciane
- 3 A CHAMAEMOLY Hochst m^s e\ A Richard 1 c p 332 - Radix fibris erassis longis fusiformibus, lulu[&] Inneolatis acinis* glabris, moigine tenuisMme ciliato-dentatis*, scapo eiecio 1-aul vi\ bmnclli, snlulo irrillifloro, flonibus albis pnvni9 longe pedicellatis, biactis lanceolatis-lineatis scnnosis, pedunculos arqunndbus, mirgine cilialo - de mculntis, sepalis Idnceolatis acutis subroseis, antheris o\oideo - oblongis reclis nee circinnatis — *Asphuddus Chamaemoly* Hochst. mis — Habitat in Abjssimae provincia Ouodg[<] rne et in provincia Scmiene
- 4 A ORNITHOGALOIDES Hochst mss ox A Richaid 1 c p 332 — Radix fibrosa, fibris densissimis teretibus, apice sensim incinssis, folis lanceolatis angustis acutis glabris, margine integris, scapo erecto simplici nudo 6—12 - unciali glabro; flonibus albis sint nrgnis pedicellatis, larrmm simplicem densiusculum eff'oiimntil>is, bail bnUei» sc.uiosis lanceolato-lineatis subtulatis, ralyre subcampTinulaio, lacinus ellipticis .iculis quinque- ant millitincin<;, Trillions oblongis obli<is, apice enrgrmno-bi-Jobis iruiuv/s, capsulis ellipsoideis inqiiPlris glabris incinssis - m.nrgmalis venosis; scmmibus alnis angulatis — Habitat in Abjssimae convalle fluvii Tacazze
- 5 A LONGIPOLIUM A Richard 1 c p 353 — Radix caespitosa fibris teretibus elongatis, folis lanceolatis angustis acutis, margine ciliatis, 2 pedes Jongis, circiter 1 ith ciam fads, scapo cieto simplici, (bins subapquili, basi folioso glabro, caelicium \a-ginis disunctis acutis oinato, apice in pane flonfeia dense birto, spicis tenninali cylindrica densa, flonibus albis jub<?es<ilibus, biactis lanceolatis acutissimis purpuris. iscpniilms, floies aequamihus*, margine ciliatis, binctois plunibus violaceis ad basin singulorum Hoium cal\cis sepalis ellipticis acutis, slaminibus snbexsertis, antheris incurvatis, (lamentis subulatis glabris, stylo longe exserto — Habitat in Abyssinia< provincia (hire
- 6 A MACROPHYLLUM A Richaid] c p 334 — Radix filuosa densa, fibris teretibus longis, folis radicalibus elliptico - lanceolatis acutis, basi sensim allenuatis et quasi in petiolium longum cimilitum, basi nrrnplcnulcm deamentibus, 2 pedes ob< margine mipgnis submembranaceis crebrie venosis, veins pamllelis, scapo sinrp^{ici}, folis brevioribus, flonibus albis pedicellatis glomeiuhis, nccmum simplicem efforinnd* tibus, bracteis biactis oli^qup scnuosis, cahcis campanulato-palatis sepalis ^{eris}* tico - lanceolatis acutis, staminibus calice bicionibus; antheris oblongis angu^s flamenli> glabris, stjlo exserto, capsulis tnqieins, apice depressis, pisi magnitudi^{ne} transverse venosis. — Habitat in monosis convallu fluvii Tacazze.

Ordo CCLVII. ASPARAGACEAE[^]///_{///}. *mss.*

(ASPATUGINEAE Kmh. Enumer. pi. omn. V. 1-113. & 837. — ASPARAGEAE Endl. — Wl/rs. Anns I. I. 870. ft 1012. — LILIACEARUM inh. 3. ASPARAGEAE Endl. Goner. pi. p. 150.)

Tribus I. DRACAENEAE Knth. I. c. 2.

I. DRACAEA *Vandelli.*

(Knth. Enumer. V. 2.)

1. * DR. DRACO Linn.,— Knth. I. c. 3. no. I. - Paxton, Mogaz. of bet. XVI. p. 45. (c ic. xylogr.)

II. DRACKKTOPSIS *Planchon.*

"(Planchon in Van Uoutte, Flore des scres VI. 110. adn.)

Perianthium campanulatum sexpartitum marcescens, laciniis leviterbiserialis, sub anthesi re[^]lulo-patentibus, sub fructu patentissimis. Stamina 6, basi laciniium perianthii inserla, filamenlis subulatis, antheris bilocularibus, dorso[^]feupra basin affixis. Ovarium triloculare, loculis plurinilatis; stylus subulatus, apice stigmatico breviter trifidus. Bacca pisi-formis, perianthio persistent! imposita, vertice trisulca, trilo[^]ularis, loculis polyspermis; semibus parvis, placentis axifibus crassiusculis undique affixis, pressione mutua angulatis, ad hilum stropholatis, testa nigra lucida, embrvone cylindrico intra* albumen copiosum leviter incurvo. — Arbor Australasica, habitu[^]ffinium: stipite cylindrico cicatricibus foliorum delapsorum annulate; foliis confertis lanceolato-ensiformibus, in petiolum brevem basi dilatata amplexicaulem attenuatis, costa media supra basin mox evanescente instructis, caeterum oblique penniveniis, venis subparallelis; panícula terminali ramosissima, vix e corona foliorum emergente; bracteis sensim diminutis, in bracteolas squamaeformes pedicellos brevissimos cingentes abeuntibus; floribus parvis[^]albis, suave fragrantibus.

* 'DR. AUSTRALIS Planchon 1. c. — *Dracaena oblecta* Grañ. Edinb. Journ. 1827. p. 175. — *Dracaena australis* Hook. Bot. Mag. tab. 2835. — *Cordyline australis* Endl. — Knth. Enumer. V. 29. DQ 5. — Habitat in Nova Zeelandia.

V CORDTLI^E *Commers*

(Knih I numoi V 22)

- 1 C RUDR\ Olio ft Dim Allgem Gitn/inir XVI 121 f — Aiboioi Coïn? hriceol His acuiis muticis, bi>i altenmtis inte{reirir<> plants, necmo tciminali composilo, bn-ctns hnceohtis, pediftello umfloio duplo longionbus, peigomo ln<i cnmptnul i(o tubuloso, laumi? pilonlibus concivi> cuculhlis — In Ausmh&n habitat
- 2 f SILJOLDII Plonthon in Vin llonilt, Flore ik& series U 109 t 569 f —[^] Gliiui limn nudice simphei VPI lamoso gincili, in caldiuo id miximmm 5—?>f>cdali, conleiuusculc ciotiicibns folioruin ve) sqiniium inriulalo, caelerum hevi, iRteirupte folioso, rtoxcellis infeinc squanus teminicis auiplexicaulibu[^] m ircescenlibus dissilis apice folds 4—10 confciliu'stuli's omalib, foln[^] piimuiu convolulis, mo\ pattulibus, demum liidgis nnuive lecuivo-dellexis oblungib (4—6 poll longis) In&i leviici compli cala in pelinlum bi evii>simum amplexicuilem, apice in acumen obhqui apicalulum contiocti[^] undulalib, margme Inovi inlc[^]emmis, sublns pallidç, supra SiUiu ile vmdi bus, parurulijj pauci-divisis ttrmnnlibus axillanjusquo, eieclis |t| levilei leinuis brevitci ptdumulatis pluiidoio, llonbu[^] bie\iter pedicellalis uudescuili-allus, tubo petlanthii leviici indaiO[^] lacimis spiihulalo-lincBiiibus |n bievioic, slaminum e\^eitorum iihmentis medio paium jnenssntis
- p. *mnculnta* loins masculis flavescenlibus amoene vanpgatis — *Dracaena Swboldn* Phnchon mss — In Java

VI DASylIRIUIfl *Zuccanni.*

(Knih Fnmci V 38)

- 1 D TEXANUM Scheele, Lmnaca XXIII 140 f — Planla dioica. Coudex subterraneus perpenditulaus lignosus ov.ilis, basi flbnllis clongatis horuonlalibus obsilus, apice follb con[^]esiis coionaius Folia c\udicem coionanlia longissjim (3-pedalia et ulira) paienii-subiecuiva flnna crns[^]a liniaii-siibuhla tngona gJabia stmta, margme spinososcuala, spinac sursum cuivaiaç Scipus elcvatus 12—15-pedili> oblusangulus slnntus glaber solulus, vogims am pi is obsilus Vaginae membrianaccae glabrae, dot so stuntac mmutibsime puncdlae rosoo-pmpureae miigine nlbo-scniiobae, scapo lalioie**, in apicein phjlloukuin luilnccumangu[^]lum tugonuni cat>s>um, uiaigme spinoso-senalum angusntie, apex phylloideus va[^]imm longitudine subaeqmns — Masc Flores spicali, spicae bievcs cjlmdncie contmuid dtn[^]lloic obtiibK ihachi insidentes, rhach'sangu-Jata, spicae 5— 6 in spicam conjiositam congeslae Glomeruli spicaum alterni biactea ampla involucrati spicam deomposinm clongalam 2 — 3-pidaTem foimantes Spicae internodium subaequantcs Braticie \nginis simillimac membranaccac smaiaie glabiae minulissime glandulo[^]ae loseo-purpuieae semiamplexicaules, nrngine Jbo scanosae, ebasilata ovata lancrolalo-dngnstainc[^]omeruljs spicarum duplo, internodio subduplo longiores — In Texade

Tribus II. ASPARAGEAE Knih 1. o 57.

VIII ASPARAGUS *Linn*

(Knih Enumei V 57)

- i A ABYSSINICUS Hochst mss in A Richard, Tent flor Abjss II 319.— Acnleatus ramnlis teretibua giubns, aculeis hypophyllis acuiis lectis, foln\$- fasciculfltis linean-

- subulais angustissimis acutis 1—2 uncias longis mollibus glabris laevibusque; pedunculis e fasciculo foliorum solitariis elongatis gracilibus; fructu globoso depresso luteo Nevi — Habitat in declivibus Abyssiniae prope Tchelatcherane
- 2 A MITIS A Rich 1 c p 319 — Inermis ramulis virgatis, junionbus stnotis, glanduloso-prumosis, loins fasucularis numeiosis 1/nenu-seiaceis ACUIIS glabris, 4—6 lmeas longis, pedunculibus bilariis aut pluribus e fascicule foliorum brevis; calyce albo campanulato, sepalis externis angustibus oblatis — Habitat in Abyssiniae provincia Tchelenkote
- 3 A SCADLRUMJS A Rich I c p. 32f. — Aculeatus ramis ramulisque striatis scaberrimis, auileis brevibus. subrepens, foliis fasciculatis linearibus cinnamomulicis compresso-pinnatis nervis glabris, 6-8 linearibus longis, pedunculibus 1—3 ex eodem fasciculo foliorum, bicoloribus, baccis glabris-depressis. 13 paucis — Habitat in Abyssiniae rudentibus et sphaeris leguminis Choho
- J A PETIUS AN US A. Rich 1 c. p 320 — Aculeatus caule fruticoso lignoso sarraentoso, ramis iamulisque teretibus glabris laevibus; aculeis solitariis reclis; foliis solitariis aut fasciculatis linearibus nilis interstitiis glabris laevibusque, 2 uncias longis, flouibus pedicellatis racemosis, laemibus inermibus multifloris binomialibus, baccis globosis pisiformibus — *Atpauigopsis Abyssinica* Knih 1 c. 101 no. 36. (non differt) — Habitat in Abyssiniae fructibus et monosis* prov. Ouodgerate.

Ordo CCLVIII SMILACĒAE LML

(SMILACINEAE R. Br. - Knth. Enumer. pi omn Y. 114-285 & 851-852 - Wlprs. Annal 1.872)

IV. POLYGOSTOUE *TouYnef.*

(fentb. Enumer. V 131.)

- 1 I' GLADERRIMUN C Koih, Lmnaea XXH 267 f - Caulis angulatus, 9-12-pbyllus; foliis elliptica nerrosa, subulata gliuuescentia, breviter pedunculata, pedunculi 1—2-flores horizontalis. (reclis) linearibus nec cernui, 9 lin longi, nervis angustioribus longis, floumema supra medium tubo adnata, paululum stylo et pengonio brevioribus. *Cissampelos Elisabethae*

VI. SIJUILACIHA *Dsf.*

(Snlh Cnumer V'TIS)

- 1 M AMOENA Wendl in Gtlo ft Dielr Allgem. Giltztng. XVfil 137 f — Glaberrima *de JUBOSO*, foliis alteinis, ovato-oblongis, longe acuminatis, basi angulatis, subsessilibus, subius glaucescentibus, nervosis, racemo terminali paucifloro, composito, nervis pedicellatis quibus mvcis, demum lubescentibus — Habitat in Guatorala.
-

Ordo CCLIX. LAPAGERIACEAE *Knth mss*

(I \PAGF Hir Ar Knlh Lrmmerat plant oinn V 283-285 - PIIflCSIACEAG Lmdl)

I LIP\CJERI *Rz sf Pav*

(Knlh Cnumci V 283)*

- 1 L ROSLA Rz ft Piv — Knlh 1 c 284 no 1 — *Hook Bot Mngaz tab 4447 - Van Houite Hoie dts series V ttb 491 — Moir Ann de la soc d dgnc dt Gand V ^5 lib 266*

Ordo CCLX. ROXBURGHIACEAE *wail*

(Knlh Tnumei i lant omn V 286 —289 &852)

Ordo CCLXI. HERRERIAEAE *Knth mss.*

(III RBLHIE VL Fmll —Knlh Enumer ilint omn V p 290—296)

Ordo CCLXII. OPHIOP060NACEAE *Knth mu.*

(OrilIOPOGOM AC Emll - Knth Lnumci | lint omn V 297-309 ft 853 - *Wlpr*
AninJ I 874)

Ordo CCLXIII. ASPIDISTRACEAE *Knth mss*

(ASPIDISTHCAE Endl^Kulh Lnumei phm omn V 310-322)

II. PliECTOYIVE *Lnk*

(knlh Tnumer \ 313)

- 1 *PF VARIFGATAInk -Knlh 1 c no 1 - l«j id/<?/>« ia» if *gala* Regel, Flora (*Bot*
Zeitnfc) XX\ 304

Ordo CCLXIV. DIOSCOREACEAE *Lmd*

(DIOSCOREACEAE R Br - [VUpis. Annal I 873] - DIOSGORINEAE Knth Enumer *plant*
omn V 323-56 & 853)

I. DIOSCORE* *Lmn.*

(Knth Enumer V 325 ft 853)

- 1 D QUARTILNANA A Richaid, Tent nor Abyss H 316 lob 96/A — Fols alternis
peolniiis, foliolis brevissime potiululalis, subius in-nervis puhenlibu*, interme'dio obo-
vnli oblongo, npice aoumine linenn terminalo, subtus pcnmnemo, bnsi sensim angu-
stnio, lateulibus valde inacquilaiens, In si hinc \nlrle ohiusis, fruclibus ellip»oideis
apice snbacuus, 8—9 linois longis pubeniibus — Tinbitat in Ahjssimae regno Tigre
- 2 D LATIFOLIA Bnlh in Hooker, Niger Flom 535 f — Glabia bulhifeia fols allemis
sinu Into conlalis longp cuspiduis 7 —ft-noi vu» lians\eisr \cmilosi<t, punctis oblon-
gis pollucillis, spirit giacilibus subfisciculnii*, mnsculus st^ramosi* flonbus solitauis
scssilibus biaclealis umbncleoliisqup, pemnihio spxpinuo, antbons flamenlo aequi-
Jongis — Cicscil nd fluMium ^un et in Siena Leone.
- 3 D PREFILNSILIS Bnlh J c 536 f — Glabia acuIc.Ua lainulis subterctibus, (bills
plcnsquc opposilis ovius tolurulalisve cuspidalis, basi si u lalo ba^lato - cordaiis vel
summis rotunda'is 5 — 7 — 9- ntrvus verws lolicnlatis paucisve tmnsversis, adultis
opncis impuncmis, spicis masdilis siinpliibus fa^cicualis, folium raio superanlibus,
flonbus sessilibus soluarns, pengonn lacinns late ovatis — Crescil in Siena Leone
- 4 D HIRTIFLORA Dnlh 1 c 537 f — Cdiile sAnalo pubeiulo, folus alieims coidalo-
orbicuhitis subipnitoimibusve acnte cuspidnlis memliranaceis 5 — 7-nervus reticulato-
vcnosii, supia glabns, subtus stellaio-pubescentibus, spicis masculis laxis subsimpli-
cibus hitcituhtis hirlis, llonbus solitams subpedicellaiis, penanthio sexpartilo, sta-
mimbus lcrilibus 3 brevibus, stenlibus 3 fliliformibus, ovaru mdjmentum infldum
aequaniibus — Crescit in Africa Iropica occidenmli
- ⁵ D RUMGINOSA.Bnlh. I c 538 f — Fols alternis late cordatis subcuspidatis 7—9-
neivns, supia glabns subius, caule mlj^centioque ferrugineo-tomentosis, spicis
foeineis fascicualis — Crescit in Sier^BBone "
- *> D VESPCRTILIO Bnlh 1 c f — Glabernmi fols tnsectis, segmends peliolulalfs
obo\ah-oblongis oblusissimis subconaceis nitidfe, fiuctus alia 2 latissime expanseis
iransverse o>aio - oblongis ngide memblianaceis, *tertn atlgusiissima vel costaeformi
*- Sierra Leone
- * D I INrARIS Colla, Momonc di Torino XXXIX 11 + tab 51 flg 1 — Caule fliliformi
Inclv i.uuisque volubilibus, fols alieims bieivissime ptliolatis lineabus integtinmis
glabns eutrvis, racemis masculis axillanbus KJimmalibusque elongalis, foemmcis
hieivibus pauciflois, capsula glabu — In Chili
- ⁸ D HUMILIS Beilero mss ex Colla I c 12 f lib 51 fl? 2 — Cnule hnmili ererlius-
culo crassiusculo laevi, rnmis divancalis elongalis flililormibus subvolubilibus pro-

simisvc fo ~~lls~~ nterms longe | cliothi* rolundito - coidiu* aj ice subretusis mucro-
nubii*. mu{,iie tenuissimc serriti<! ghhris sub-7-neviis mcemis mAculiaclongitis
laxtfoi is flonbus lotminus ixill n ibus subsolilirns peuunci lis <) iraliter toilis cnp-
suh u nuisstmc mm nan — In Chili ail Vnlpii uso

9 U \AIUIFof I\ Bertero in Meicuno Chileno XIII p 612 — Colla I c 12 f— C mle
hevi Utsoimo iimiiqvc volubilibus full s nltcinis O| potilisse | ciiuhtis coiddlis s\
guuus linenil usvc icutis n hbiis 1—7-ncivns ncoinis tvilhul us limculis compo-
sitis (IOHSJ/UUS., rocnuneis sunpliuhus lixiflons capsuh glabia — In (hih ad Val
par ii^o

10 D KI GI I IANA Gnseb Linnaei XXI 279 f — fiule nngulito glabio folns mem-
bruceis pdioloduplo fere longionbus pellm ido lincohn<. cordalo - tiiangul nibus
tii'jf i hu« sepKmnrviiis ^eni* jue tenuibus tnnsvorsis^ sublus prommulis, nccmi3
mis ulis fiscicuhlis vcl infeme composilis rlnchi <!cnliiiu<cuu, porigonn sigmenlis
oblongo linPiibus extus bine pubciulis epicis foemineis sinffilitihus c|| suits dliplicis
ghbris cliii(nceis ^eminihus utnnr|ue ahtis — Pioximn Z) *duhranemao* V< II nee
diTtrl nisi ruile minus anguloso | etiolo folns brevion usque 7 (nee 11)nuvns —
(irsnt in fiuiictiis Sunn tmensihus

t loon addenda.

D) 1RUMI\II A Linn — knlh I c 392 no 90 — A Rich Tout floi Abyss II 316 lib
96 B

Ordo CGLXV. TAGGACEAE *Lmdl*

(Knlh Enuuier ^ lauL oinn V 4o7—466)

Ordo CCLXVII. HELANTHACEAE *R Br*

(Knlh Enumei plant oran IV 136 — 198 & 66a 700 — Wlprs Anna! I 874)

III. MER ^ HftERA *Ramond*

(Kntb Enumer 1^ 148 a 665 — Wlprs Ann I 875)

M ABYSSIMCA A Richaid, Tent floi Abyssin II 337 f— Folns symnthiis basi vagi-
ninubus superne hnceo hlo - lmcinbuti icutis subcanilicuhus fldnbus 1—2 sea puna
brevissimum inter fold recondaum lerminmtibus, spathi hrevi basi emeus, scpalrs
longissimis basi angustius et longe iingiculnd* obtus/s, «?iimmil)us id basin partis
latioi is sepilorum admiis flhmenlis j hnmculis ipi#e alle iujtis mnl ens oblongs,
b isi sigmniis, tugmiiibus subre cuivis — *Mtt nlua Schimj riiana* flochst m^s —
Merendem longispattia Hochst mss — Hibilat in Abyssimae monlosis provinciarum
Quodgerite et bemicne

VII. AUTDROCYMBIUIJII Willd.

(Knth. Enumer. IV. 152. — Wlprs. Annal. I. 87b.)

1. A STRIATUM Hochst. in A. Richard, Tent. Hor. Abyss. II. 336. — Bulbo ovoideo tunicato, apice altenuato; caule erecto 3—5-uncinli; foliis saepius binis, rarius ternia lanceolato - linearibus neutis, bo si vaginaniibnsintegris glabris striatis; floribus saepius 3, pedunculatis terminilibus albidis virescentibus; bracteis saepius iribus maximis subfoliaco-hyalinis ovalibus longe acuminatis acutis, inaequalibus striatis; sepalis lanceolatis acutis, basi longe unguiculatis, in centro subconcauis; staminibus sepala aequantibus aut paulisper superantibus; capsulis iribus oblongis, apice stylo longe apiculatis glabris. — Habitat in Abyssiniae provinciis Chire et Semiene.

IX. IESIALIRTHIUAE Linn.

(Kntb. Enumer. IV. 155.)

1. M. BIGLANDULOSUM Bertol. in Schlecht. Bot. Zeit. IX. p.919.f — Rhizomate oarnoso transverso; caule erecto; foliis lineari - ensiformibus acuminatis striatis, basi conduplicato-amplozomibus; panicula terminali racemose; bracteis ovatis; sepalis breviter unguiculatis, margine inferiore uniglandulosis. — Habitat in Alabama. — Perennis.

XXIV. STKHTALIRTHIUIE v. Gray.

(Knlh. Enumer. IV. 189.)

1. ST. FRIGIDUM Knth. 1. c. 190. no. 2. — Van Houie, Flore des serres V. p.468.1. (c. ic. xylogr.)

XXVI. ZYGADERTUS L. C. Mch.

(Knlh. Enumer. IV. 194. & 667.)

- * Z. VIRGINICUS Endl. — Knlh. I. c. 195. no. 2. — *Melanthium Virginicum* L. — Torr. flora of New York II. 316. + tab. 134.

Ordo CGLXVIII. UVULĂRIAGEAE *wiprs*

(UVULARIEAL A Gray — Kmh Cnumei phni omn IV 199-244 a 667 — ME! AN-
THACLAIUM gencia Endl Gen pi p 133)

Ordo CCLXIX. JUNCACEAE *Agrdh.*

(Kntfi Enumei plant omn III 295—378 & 596—600 — Wiprs Ann I 87b)

1. **LUZULA**

(Knlh Enumer III 296 fit 596 - Wiprs Ann I 87b)

* *Anihela glomei ato-sptcata*

- 1 L. CARICINA Cm Mcy Lmnaea XXII 418 + — holns plants **ciliatis**, spfca crecta, supfine simplicissimii, flonbus disianiibus, inferno spiculis saepo remoiiisMmis pauciflons aucia, bracttis inflmis folinceis, reliquauium plensque ovalo - subulalis maxima inaequahbus, ptmnlhii foliolis hie lanceohlis, exleioubus acummaio - subulalis, interjonbus paulo brevionbus nruuisculis cjpsuldm tiiⁿono-subglobosam turgidam mucionulatam paulo supoianlibus, stammibus duas tertias perianilm paries longiSi semimbus maeqinliler sexcosmis liuncatis, basi oblique nnguhto - caiunculatis - "HabilaUin syhis Coidilleiae Mxcinnae prope Oaxaca alt 8000 ped
- 2 L. ANGUSTIFOLIA C Koch, Lmnaea XXI 615 f— Rhizoma repens, folia anpuste lmearia glabenima, vel ex ore vagmaium et margine lfenon **pilis** smgulm obsita, cauli* ex apice spicam simphrem, biacten pleiiimque longitudine aequali sufTuliam gerenSj sepjla oblongd icuminnta sub lequnlia, anlherie tuplo fllamenio suo longiores, **sed#** sepnlis pnonc cluplo bnviortH, sugmiii clongiin, longe oxscrti, capsuh scpalis brevior, soinuin ililulu Iniinnen, IOI^A^DIO - oblongn, cloiso ruuinilnto ot flnnlo , venire Immti HO inpluolaln ox hiiHi iipp^Mt a poilircvi prmdili, liiniLiilo flilifoimi liasi vnlvulnn (npsuluii inliinio iiiiiliien otiliu iiiiMn npicn 11 liixnin npporulict m bi ovcm opit ulntnin formans — Crescii in summis moniibus l'oniicifl
- 3 I. VULCANICA Lirlrni Vidciibkabeligc McdiM* Isci fra don naturiust Foremng i Kjobenhavn for 1849 og 1850 p 44 f — Culmo solu.uio 6—1½ - pollicari dense, foliato; folns canalicula^lis sublerolibus involutis ngidiusculis olnaceis, marginc spaise pilosis, bnsilanbus culmo mullo brevionbus glnbns, vagims bicvibus, oie sparse pilosis gla-bnsvo, anihela lobato-spitala Va—1 - pollican riuiante, gloineiulis confluenlibiis, inflmo remoliusculo, **folio** llorali antheln brevion, braefcis num^rois Dores jnvohicranubu^{fl} eosque fere oblegonlibus fusco - stiamineis membranaceis nervosis late lanceolate marginc pilosis, bracteolis subbyalims lanceolatis, apice Incens, phylfis pengonn 6

aequalibus^ongo - lanceolatis cuspidatis undulatis airoanguineisglahns, stamibus 3 peigoniflP-3 - plo bieuobus aniheij. niimenlis breuonbus ovahbus, Mamenlis lenuibus, capsula pedicellata subgloboso-oboxan obmsa ntio-casiana pengomo mtltlo bcnore, stigmaibus 3 sessilibus - Habitat in Mexico (Onzaba) elevatione 14000 pedum

- 4 L BARBATA Liebm I c p 45*. H—Ca^spito*.* ctilmis 6-12 - polhcanbus stnati* foliatis, folus plains giamineis linodiibus 3-4 poil lon,i*, i-3 lulls, margine albo-pilo^is, vaginis fissis, maigine tl ore albo-pilosis, inhela contract lobaio -spicifoimi notta Imnili axilhiibu«qie, terminali subpollican, nxillanbus minonbus pLdunrn-lui» peduncuhs mftrioibus 1—2/a poll longi*, supeiioibus decrescentibus, glome- rulis subconnuerilibus, florilius sessilibus, folus floialibus spicnm aequanlibus \ ranus puu in supeiantibus, Ljonels bracleolisque hjalinu. late lanceolatis aciimrial/s, mai- gine albo-flbullosis, pengonji phylhs 3 exienonbus mlerioribus paium longionbus ovato-lanceolatis acuminatis naviculanbus cnunatis fusco-cnslaneis,, apice margineque pallidiobus, interionbus mucronntis, mrgine repndulis ecannalis, stamibus 6 pe- no>onio subduplo breuionbus, anihens ohlongis albidis, filamenla Requanlibus usvebre- vionbus, capsula peigonium aequinle subglobosa ingoua apiculaln nilida nigra, stylo eloiigalo, stigmaibus 3 luscis, scmimbut> 3 oiatis fuscis sublililer cancellniis, apicc ippendice spongiosa nlba insluctis, interne rtnphe piommente albida notalis — Hi- bilal in Mexico (in Coidillens onentahbus) eleaiione 7—10000 ped

* *Anthela pamculatO'Cymoaa*

- I DLMICULATA Liebm 1 c p 46 f — Rluzomate obliquo repente, culmo l/a—3- publi lerele glabio foliato, folus hie linonbus planis, basilanbus 4 poll longis H-4 lnH, irmgine spaise nlbo-pilo^is, item um glabiescentibus, culmeis 2—1/2-poll suisum sensim bievionbut>, ^igims oie albo-Innalis anihela piniculnto-cjmosa ja> nuianle 3—7-pollican, onus tlliformibus maequalibus llexuosis, ramulis tn — biflons lloie mtcimedio subsevsili, hioialibus pedicellalis III& lloialibus pcdiiricnlis sins mullo breuionbus, buctus biacteolisque vaginnndbus Castanet, margine stiamineo-pelluci- dis margine lbullosis, peigonii jiliHis 6 subaequalibus ovalo - lanceol His cuspidatis, nui(ino denticulatis byalims, apjee pleiumque 3-dcnlatis atio-ca>taneis₁ stamibus b peigoriio duplo breuionbus, capsula peigonium subicquanto vel paruni breuoie obo- vila tngonn apiculata fusco - purpuica nilida, sljlo bicvi, sligmatibus 3 capsu^i bre- ^ionbus fuscis, scmimbus ovalibui* laeibu& all0 -casianeis exappendiculatis, basj ob- tus^, lilis sublihssimii> elasticis affxi^ — Habial in Mexico, elevatione 10J00 pedum
- 6 L L^1 TFVIULNij Liebm 1 c p 46 f — Catspito^a culmo bipedali tereli fohalo, folis> late lineiubus phius, basilaubus 6-8 raius 1^ — 16 poll longis, 4 inlis^ele ^indibus granuneis glabus, junionbus maigine spaise pilots, vngims viridibus 1—2- pollitanbus, 01c nudis intlith pariiculalo-cjmosT h\i nuianie 4—8 poll longo suprn- dtcoinpoMin, nmis nmquihbus loimibus Illiluiniluio, rflimilis um/lous, folus /omfi- bus pedunculis suis bio\ion>us bincicia bi i^fclisquo voginnubüB innitnlia, np^ce "••nllosis, poiiffunu pli)lli3 b oeqiinlibus ovuo - I in« Lolnlia nciilis cnrmaiM «lininiriii« sioimnibusOpuifforiio duplo biovioi ibus, oniliuis llovis, cnpsula porigomum nequnne '«to ovata ingoun apiculata siniminea fusto -punciulatn, stjlo ulongalo, stigmuiibus 3 fliscis, semimbus ellipticis utiirique acutis heuiusculis atro luscis, appendiceperpaivu — Habiat m Mexico (Oizabn) elovalonc 9—10000 pedum
- L LATIFOLIA Liebm I c p 47 f - Culmo 2—3-pedali bftbi pennant tjneam crawo loieu glabro folmio, loins linoaii-lauccolais, infcnoiibus 6-7 poll longis, 8—b'Ma'is Plains subcomuis puipuieo-maculatis glabns, maigino denticulis obsolclis apjeem ve^us wabudii,, vdorinis glabns, anihela pamculaio - cymosa laxa subnulate 10-6- Pollican eupiadecomposila, lanus innqualibus flifuiuibus llexuosis, lamuhs 2—3-llo- llis> llonbus pedicellalis, folus iloralibus 1/a — 2-pollicanbus suisum decrescentibus

- Ciinalicuhlis subulais, basi puipuiascentibus, bracteis bracieolisqu[^]taginanUbus di-
Jute fuscis, apⁱCL margmeque Innlims lacens, pengomi phyllis 3 exl^eT^Oribus intenorn
pauum supeiantibus ovato-lanceolatis cuspidalis caimans fuscis, interioribus lanceoln-
tis aculis, rapsula pengonio longiore laio ovnta irigona apicata fusco-flavida niida,
valvaum nervo medio impresso, scunibus ovalibus alro-fuscis, utnnque oblusis albo-
spongiosis, interne rbapbe alba prominente nolaiis flhs sublilissimis elasticis albis af-
llxis — Habitat in Mexico (Ixtepec) elevatione 10000 pedum
- 8 L RUFLSCLNS Fisch Lmnaea XXII p 385 f — Caespitosa? vaginis foltorum radt-
calium subvnenlibus, anthrlae ramis post anlhcsin patentissimis, peuanthii foliolis
subovalis acutissimis citpsulam subglobosam viv apiculatam supeianlibus, stamimbus
pciinnlhn dotraniem subaequanlibus, testa semmis (nondum proisus imtun) in pro-
cessum subfalcato-cultratum oblique obtusum desinente#<- Habitat in Sibina
- 4 L PLUMOSA L* Meyer 1 c p 387 f — Caespitosa vaginis foliorura ladicahum sub-
vnenlibus, anihelae subcompositae ramis llexuoso - eicctis, penanibn foliolis late lari-
Ltolatib acutissimis, capsulam obtusam aequantibus, testa semmis in piocossum ha-
mato-fultatum desmente — *Juncus plumosut.* Wall — H ibilat in Mepaba
- 10 L LAC IT A. C Mejei 1 c p 391 f — Repetilo-stolon)fcra folns aUenuaio-lineari-
bus canaliculate ciliatis, antliela decomposita crecta, spallnm foliaceam supeiante,
anilhchilib 4—6floris> fa<(iculiformibus, penanthu foliolis subaequ llibus oblongis acu-
Us staniinibus penantbii dodranlem longis. — *Juncus lactus* Lnk — *J bievijohus*
Rosikov — *Juncut stoechadanthos* Hioter — *Luzula bievifolia* Desv — Habitat in Lu-
sitaniae summis monlosis
- 11 L NLMOROSA L Mev 1 c p 395 f — Folus plums ciliutis, raditaliuin vaginis brun-
ntu>, antbela saepius supiadecomposita valde inaequali, mm^u mflmis oreclis spalham
foliaceam raio atquanlibus, antbelulis 3—8-floi is fasuculiloimibus, pcutantbii loliolis
oblongis aculis, extenoubus mutronatis, intenoribus vix longionbus mulicis., capsu-
lain tiiquecio - ellipticam mucrominm paulo supeianlibus, ambeiis sub[^]cssilibus uds
teitias peinntbu pones subaequanlibus, semitus subioiundi lesta apice pnpillata —
Juncub pilots & Linn — *J mmurosus* OL Pollich — / *mtus* Leeis — *J luzuluide**
Lam — *J angustifolius* WullT — / *albidus* Hoffm — *J Icupuliloeus* Lbrh — *Luzula*
albida DC
- P *coloiata* plerumque ngididi flonbus liibentiluis cupieisve — *Luzula mler-*
media Daumg — *L rubella* Hoppe — *L albida* ^ cujjimn Rochel
- 7 *gialut* folns angusiissimis, juniotibus con\oluiis, mflmis basi soidide p^uoi
sissiims, antbelae subsemel compositiac ram^u capillai ibus, Uonbus niveis — > *ph* *ia*
Laharp? — *L albida* Beitol — Jlnbitat in nemonbus prneserinn fagineis *totus*
Germamae
- 12 L PURPURLA L de Buth mss ex L Mej I c p 397 f — Caespitosa folia *ang*
stissimis plains, anihelae coinpo#Be ramis paienubus, deinde icllexi[^], Horibus *sol*
tains, peiantbn foliolia subaequalibus oblongo-ovatis, longe mucronatis niliculi^{<>} *e x*
lenoubus aculiusculis, inleioribiu> oblusis, capsuh subglobosa niliduo - P^uo *ceda*
duplo longionbus, staininibus dimidu peiuntbn longiludine, rbaphe in papillam *mon*
lissimam desmente — *Juncus pwpuuns* Misson — Habital msulam Tenenffa.
- 13 L NODI3LOSA C Mey 1 c p 410 -f — iSotlis rbizomais caulifeus incrassaUfl, *folli*
plants ciliatis, anthelae saepius decompositae spiculis 3—5 floiis eieclis, spalht[^] *oo*
iota spiculam terminalem (i e inflmam) subaiquante, bracteis floialibus n^udi^u *pe*
nanibn foliolis aequalibus oblongo-lanceolatis acuminato-cuspidaiis, capsulam *tr* *u* *o*
subglobosam acutiusculom longe superaniibus, stamimbus duas tertias P^{er}iant^u *JJT* *g*
tes aequantibus — *Juncus hvsutus*, *joins artculahs* Buxb » — *J nodulosu** Bo^u
Cbaub — *Luzula Graeca* Knih — Habitat in maritimis Ptlonpncsi monlibus.

- 14 L BANK&ANA E Mey I c p 41? f - Folns plams globnuscus, anthelae compo-
oetae spiculis muluflois ovntis subglomeratis, spniba bracteisque primanis foliaceis
involuciata, biacteis floialibus glabus, peunnillii foliolis Janceolalis ncuminalis, oap-
sulam obovito-bubglosam oblusam supoiantibus, exienonbus paulo longioribu*, om-
nibus praetci fa sen m dorsalem angustam subdiaphano - albidis , stamimbut penamhii
dodiantem aeqinntibus, caruncula seminis basilan subtriangulan — *L picla* Less
fr Rich — Habitat in Nova Zeclndia
- 15 L COMOSA E Mey I c 413 f — Caespitosa foliis plams pilObO-cilutis, flonbus spi-
cati>, spiculis coiymbo-so-iactmosis elongatis, biaclea foliacea bievionbus, penanlhn
foliolis lanctolaus dcuminato-subulalis, inleuoribus paulo brevionbus, capsulum Iri-
^|ueiio-ellipiicaiu aculiusculam vix aequanlibus, stamimbus MX. dimidium peiMiiituum
longis — *L campestis* JBongard⁷
a spiculis oylindiacis, omnibus disJantibus longe pedunculatis, inlerne re-
mouffloris
P spiculis oblongis dcnisiflons, Inflmaruui una vel alieia longius pedunculate,
reliquis pjramidalo-congestis — Habitr in Amorna s^ptentionali • occidentali

HL JUarCUS linn.

(Kmb Cnumer II! 315 Be 596 — WJprs Anna! I 877)

Anlhela lateialt

- 1 J QUARTIMANUS A Richard, Tent flor Abyss II 339 — Gaulibus a basi ramosia
ereclis spilhamacis aut pedalibus, foliis caulibus basi vagmantibus teieti-subulais acu-
(is glabns, inlerne ai licuhlis, flonbus in glomerulum umcum lateralem sessilem globosum
congestis, sepalissubcistaneis lanceohusacutisMrais glabns, inicrms pnulo longionbus,
stamimbus sex, calyce iriplo brevionbus, capsula pyamidaia inquetra, apice apicu-
lata, calycem superante glabra — Habitat in Abyssimae Jocis inundatis prov Cbire.
- 2 J ALMULANS Liebm Videnskdbelige Meddelelser fra den naturhislorlske Foremg i
KjObenhav^or 18J9 og 18JO p 38 f — Culmo nudo bipedah tereti conspicue sinoto
tenui tenaci ghuco, mtus medulla continua repleio, apice pungente, vagims 2—3-polli-
car/bus deorsum rubescentibus, sursum strammcis, npice oblusjs, anlhela lateral! 3—4
pollicibus infra npicem culmi, decomposita pollican, ramis inaequalibus erectio-paten-
tibus densis^ pedicellis umflons, bracteis ad basin peduocolorum late lanceolatis mu-
cionaiis stramineis pollucidis, bracteolis sub flore singulo biois late Janceolatis cuspi-
datis pellucide fuscis, pengooii phyllis 3 extenonbus intenonbus parum longtonbus
lanceolatis acuminatis aculissimis, dorso fusco-castancis, margine pallidionbus, Inten-
onbus lanceolatis mucronatu, doiso vmdi-fuscis, mrgine pallido fuscis, gamimbus
³, perigonn phjllis subduplo brevionbus, nnihtns floraentis similibus oblongis flavi-
dis, capsula pengonio brevior obovala tnquftia apice truncate umbonata fusca, stylo
subnullo, stiginatibus 3 tortis fibnllosis fuscis, semimbus numerosis mmuus ellipucis
curvaus fuscis, basi paum dilatatis, testa humectata pellucida — Habital in Mexico,
elevatione 7000 pedum
- ³ J ORIZABAE Liebm I c p 39 f — Rhizoraate horizontali rpeate, culmis caespitosis
densis 3—5-polliconbua compressis stnatis basi vaginatis foliatisque vigims fusco-
stnmineis stnatis compressis, dorso cannalis, suprême vel duabus supremis foliifens,
folns compiessis anguste lineanbus ngidis recurvis stnctis «ulmo_#bieviorilius, flon-
^bus laterdlibus, 1—2 pollicibus infia apicem culmi, terms bimsve sessilibus, basi
bracteis plunbus squamaeformibus circumdatis, (lore singulo basi bracteolis 2 oiatis
acutis involutis fusco-stramineis inslructo, phjllis perigonn extenonbus 3 intenonbus
subduplo longionbus lanceolatis cuspidatis canniitis casianeis, mrgmo subbjalims,

inlenoibus minus cuspidatis, doiso fuscib, caeteium byalims, staminibps 3 phyllis pe-
 igonn brevionbus aniherris obtuse Havis, stigmaubus S ses>silibus, capsula
 Ildbial in Mexico, elevatione 12000 pedum

• * *\nthela temunali*

a Foliu> septis tiansversis inleicepus

4 I BRVFIFOLIUS Liebman 1 c p 40 f—Caespitosa culmis 6—10-pollicaribus compres-
 sū> subiihteī sin ins foliatis, folus ba^ilaubus numerosis cum vagmis 3—3¹/₂-pollica-
 nbus, culms 2—3 remoiis, hmna plerumque pollicem non supeiante, compi^>sis
 ensifumibus angusie lineanbus acuiis, septis inconspicuis inieicopiis, vaginis bipol-
 licaubus compressis cannniis, usque ad basin flssij>, maxima pro pane liberis, margme
 subinembnaceis, apice bidenticulatis, antibela teiminali decomposita supiadecom-
 pofejinvp i—iy₂-polhcaii eiecta, rami* maequalibus* parum patulis, fasciculis IIIIIIIIS
 2—3-Doi is, folio florali antibela breviorē floi ibus ^essilibus, bracleis invohicntibus> mim-
 bianaceu> hie hncohtis cuspidUis lul\o-strimineis, plijilis perigonn aequalibus hn-
 tcohlis acutii dtrocasiāneis, exleuonbus naMCuhubus, inteitioihus plants, siamimbus
 b ptrj_nonio bitvioiibus, ambui* ovilibus llnvidis, cjpj.ula ovata lugona apicata pe-
 ii_buiiūin supeiante alrocastanea, stjlo brevi, siigmatibus 3 fuscis>, scmmbu<> nnu-
 tissjmij. cllipucis, ulnnque nculi* tillofu->cis, lesia humectala pellucida — Habilit in
 Mexico (Puebl) elevatione 7000 pedum

^ J TIUINLRVIS LK bm 1. c p -Jl f— Rluzomaie lepente, culmo compresso subiliiier
 stiiito foliuo, foliis JoculObO fi2>ju^>sis leiclibus subuhtis, \agmit> compieissis moigme
 membiamcei2> salramintis, anlhela teiminali inagis minusve composila, lainis eietio-
 puulis., 1 ibiculis 6—15-Ilons hemi^pbaencis, folio floiali anlhela breviorē, biacieis
 fusco-sti lmineis mcmbranatois late lnnccolatis acuiis, pengomi phyllis 6 aequilibu&
 ituceolatis acute* umerviib, basi vuidi-fui>cis, apice inaigmeque atio-ca^laneis, sta-
 uiiiiibu^ 6 pdigomo paruin bicvjoiiibu*, muluiib oblongio jlbo-llavidis ulamenis dupl°
 Jong-oiilnii, cap<>ula (inimatuia) ovaia lugona acua pengonio bicviorē, stylo elongat°
 ex&cito Migmalibus 3 fu^cis loilis

oc tlatus culmo bipcdni, (olu*> bas/Janbus culmum acquantibus, seplis 6—9 "
 lemotiN, in junioubus densionbus, antibela Z—4 - polli&in decoinposititfiipradecompo-
 sitnve fasciculis b—9 lions

^ . mmoi giacilior, culmo 4—8-pollicaii folns> r<lmo brevionbus, seplis densio-
 nbu&, anlbdī 3-7-cipm, fasciculia 8—15-flois — Habitat in Mevico (Puebla, Oaxatco)
 tle\atione 7000 pedum

b J SCHIMPERI Hochst mss ex A Ricbaid, Tent floi Abjas'U 338 — Caudice hofli-
 /ontali siibtciraneo icpeiite, caulibus I—3-peddlibus terelibus. glabus laevibusque sub-
 apb}llis>, Iolii> leieii-bubulaus acutis llimis, niieine ailicuKuib glabiit> laevibu^, panti-
 cula icinnnali ianioi.a, tiotibu& in glomemlos pibifoimes conjregalis, sppali* lanceo-
 latis, Of)ILL muciondlis, interms angUittioiibus, fcie aequiluugii, stdmiuibus 3, calyce
 brevionbus, capsula apiculala, cap cm iion acquanle — llabilat in ^bjssinae P^o
 vincia Cluie

(3 Foliis p anis

7 J CALNALICULATUS Liebman 1 c p 43 -| - Uluzomale ciao^o nodoso, llbus vaginalium
 euioitidium ob&uo, culmo bipcdali el aluon compie^so, dtuice canaliculau) lolmo;
 folus pedalibus el In&upeī ferauimeis lnicanbu* plams, apice oblusUiiCili-.", subiu* n erve
 medio supia neivib 2 latcialibui con&pjcuū. puciusis^ Adgmia compus6i> 2—2/«'p^o
 licanbus, margme iucmbianacci& bliainintib, OIL aunculdiis, ambela leiminali sup
 Jlecompoiia bijjollicaii, idmis patulu. nuicqualibu^, iasucub* 5—7-Ilous, foliis 0^o
 -us 3 bicMbus seiaucis (V₂—*/,-puljicaiibui), bracleis lloies subaequanlibus membra-

naceis pallide fusco-striatis late lanceolatis canaliculatis, pedunculis phyllis aequalibus ovato-lanceolatis mucronatis, canaliculis - fusca, lateribus rufescentibus, staminibus 3 pediculis Vs brevioribus, antheris oblongis flavo-fuscis, capsula perigonium aequante vel parum superante ovata trigona basi apiculata fusca stylo nullo, stigmate 3-furcata, semine elliptico? curvato* IUSCJS, testa humectata baud relaxata — Iffiliit in Mexico (Huatusco) elevone 4500 pedum

- 8 *i* AI IM/EMJS f Koch, *Linnaea* XXI 627 f — Rhizoma horizontali longe repens, folia infera utrinque cilium unifolium includentia, capitulum ex involucris pluribus arcu congestis constans pediculis attingentibus, angustissime canaliculata, basi atque membranaceae, mtenotes minores acuminate, sepala anguste oblonga, extima acuminate, lamina 3 — Crescit in iponibus Ponli
- 9 J ROEMERIANUS Scheele, *Linnaea* XXII 348 f — Colim erecti pediculis glabris teretes striatis, basi vaginatis Vaginae nitidae chartaceae, margine filis lato-lacinatis ophyllis Antheris pseudolateralibus decompositis involucri foliola 2 basi vaginantibus pungentibus, mfeius caulibus continuans antheris longius filis glomeratis, glomeruli biculis involucri 4—6-flores, bractea ovulae scanone, nevo excurvata longius mucronata Stigmata tria elongata eversita filiformia Stamina 6 inclusa Sepala inaequalia oblonga - lanceolata mucronata, interna longiora Capsula — Crescit in Texada, Galveston island

subclassis VIII

ENANTIOBLASTAE Mart.

(Meisn. Genci plant. \esc I 406 I(310 J

Ordo CCLXXI. COMELTNACEAE *Rchb.*

COMMCI/NLAH 11 Br — Kntli Enumernt plant omn IV 34—117, et pag 658 fit 695
— Wlpis Annal I 883)

I. COUOIELiYIVA *Lmn.*

(Knib Enumer IV 35, 658 & 695 — Wlprs Annal I 883)

- 1 C LATIFOLIA Uochst mss ex A Richard, Tent flor Abyssm II 340 — Radice fibrosa, fibri* quibusdam apice in tuberculum ovoideum pisiforme dilalatis, caule erecto ramoso piloso-hirsuto, i anus glabro, foliis basi vaginantibus, vagims mflatis lnxis hulls ovili - oblongis acutis, bnsi subobtusus ci breviter petiolalis, margine in* legris, superno submsque pubenubus, petioli* vagmisque cilialis, involucns termina- libus cucullatis lurbinatis, apice aculis pubentihus reuculaio - venosis — Haniat in Abjssinia provincia Ouodgcrotc
2. G STRIATA Uochst mss ex A Richard 1 c p 340 — Radioe fibrosa, caule erecto ramosissimo glabro, foliis lanceolatis nculis, basi amplexicauhbus el subinflno - con- cave glabns, involucns pedunculatis laleialibus aui terminalibus cordatis, plicatisacu- tisglabris, doribus 3—4 subserlulatis parvulis caeruleis, sepalis inteionbus valde inae- qualibus 2, longe unguiculalis, alieio sessili, capsulis ellipsoideis apiculatis — Habi- tat in Abyssinia propc Adoua
- 3 C EDUMS A Richard I c p 341 — Radice fibrosa, fibris elongaus crassis; caule erecto ramoso, linea hnta longitudmali notato, foliis ha»i \aginaniibus subsessilibu< elliptico-oblongis aculis, basi parum niicnuitis glabns aui subpubeniibus, vaginl' Iniusculis ciliatis ot linen pilosa notaiis, m\olucris pedunculatis lateralibus cordalO'' oblongis acutis glabns, b<si tarilum cilintis, llonbus saepius solitanis aut subbini»> alteio aboriivo, scpalis internis subaequahbus longe unguiculalis, lamina late corda** obiusa — Iabiiat in Ahjssiniaie piovmcia Ouodgerate.
- 4 C CORDIFOLIA A Richard I c 341 — Radice fibrosa, fibns dongalis ciassis, caal< erccio ramoso spithamaeo subpilo^o, linea lmia longitudmali noiato, foliis basi^ttl* nanlibus ovali -oblongis ncutls, basi supia vaginm srssilibus obtusissimm subcordate, in uiraqap facie pilis mollibus conspeisis, ungina pilosa et linea hirsuia longitudinali notata, involucns maximis longe pedunciilalis cordato - oblongis plicalis ovatis pilosae, marine cili.itis; flonbus luteis 4—6 pedicellatis umbellulatis — -Habitat in Abyss agns et campis circa Adoua

5. *C. INVOLUCROSA* A. Richnrd I. c. p. 342. — Radice fibrosa, fibris elongatis crassls; caule erecto sesquipedali; foliis basi vaginantibus sessilibus lanceolatis aculis, junioribus puberulis ciliatis; vaginis laxis uncialibus ciliatis et linea hirlo gracili in rnmis decurrenli notalis; involucris longe pedunculatis cordato - lanceolatis 2—2y, uncias longis plicatis pilosis, margine ciliatis; floribus pedicellatis, saepius4, in apice pedunculi communis. — Habitat in Abyssinia locis humidis prope Tchelatckanne.
6. *C. CAPITATA* Benth. in Hooker, Niger Flora 541. f — Caule repente minute scabro-puberulo; foliis subsessilibus ovato-vel oblongo-lanceolatis puberulis glabrativse, vaginis ore rufo - ciliatis; spathis turbinato - cucullatis in capilulum icrminale aggregatis, * margine rufo-ciliatis; pedunculis geminis, altero incluso 3—4-floro, altero exserto unifloro. — Crescit in Capite Palmam Africa iropica occidental!.
7. *C. NIGRITANA* Bmh. I. c. f — Caulibus basi repentibus minute puberulis glabrativse; foliis sessilibus lineari - lanceolatis, vaginis ore hirtellis; spathis oppositifoliis breviter pedunculis cucullatis acuminatis hirtellis; pedunculis solitariis 3—4-floris (sterili nullo?) ; sepalis glanduloso -lineolatis, (petalo impari oblongo?) — Crescit in Africa tropica occideniaii (Nigrilia).
8. *C. ASPERA* G. Don ex Bnib. 1. c. 542. f — Caulibus repentibus glabris; foliis lanceolatis, supra vel utrinque scabro - hirtellis; spathis subsessilibus ad apicem caulis confertis turbinato - cucullatis acurainatis, extus pilosis; sepalis glabris, (petalo impari ovato). — Habitat In Nigrilia.
9. *C. SELLOWII* Schlecht. Ind. sem. hort. Helens. 1850. coll. p. 7. adn.— Caulis prostratus glaber, longe procurrens, nodos rmdiculas agit. Vaginae pubescentes per petiolum brevem in laminam ovatam curvilineo - acutaiam minute puberulum transeunt. Spatha pedunculo brevi pubescent! insidens, complicate subtriangularis, ramo florifero altero erecto exserto pnescente c. flore unico masculo seu rarissime hermaphrodito ei fertili, pedicello brevi inserto; ramo altero incluso 2—3-floro. Pelala intense cocerulea, impar lanceolatum acutum, duo paris ex ungue brevi semiorbiculari-reniformia. Stamina duo inter se aequalia patencia fertilia, tertium impar magis erectura, corpore antheroideo deorsum bicurvi, tria reliqua sterilia, corporibus antheroideis crucis obliquae speciem praebentibus. Stylus subulalus, apice vix curvulus. — Habitat. . . ?

HL. ASTIIBHA *Knth.*

(Kntb. Enumer. IV. 64. ft 661. -* Wlprs. Ann. t. 885.)

- *• *A. RIVULARIS* A. Richard, Tent. flor. Abyssin. II. 342. — Radice fibrosa; caule erecto simpliciusculo subglabro, linea hirtella longitudinali notata, 1—2-pedali; foliis basi vaginantibus lanceolatis aculis, margine ciliato - scabris et quasi tenuissime (oculo ar-
iatio) serratis glabriusculis, vagina semiunciali, sensim dilatata et linea hirta secundum longitudinem notata; floribus paucis paniculam terminantem ramosam densam multioram efformantibus; calycis exterioris sepalis ellipticis aculis hirtis; capsula stipitata didyma glaberrima calyce exteriori velata biloculari loculicido-bivalvi; seminibus paucis truncatis costatis. — Habitat ad margines rivulorum Abyssinae in provincia Chire.
- *• *A. HIRTA* A. Richard l.e. 343. — Radice fibrosa; caule n basi ramosissimo spithamaeo hirto piliis longioribus intermixtis; foliis ovali -oblongis acutis, basi vaginantibus hirtis, margine ciliato-denticulatis; vagina brevi dilatata; panicula terminata a basi bifidomti, pedunculis primariis geminis biuncialibus, multidora; calycis exterioris sepalis ovalibus apice incrassatis subobtusis tenuissimis glabris; capsula obcordata compressa, apice subglanduloso - pilosa, basi attenuata; seminibus in utroque loculo
«t.

- siopius snlifinis Inns\oisim ovoideis et anfracluoso ciebuformibus — Ihibitai in **Abysinae** piovincn Chirp
- 3 A TVCV//I VNA' HochNt m^s c\ A Ri hird I c p 343 — dudicc rc|onie, cuile errelo suhsimplici bi| <tlili pubenii, fnlns disiintibus plliptico olilongis iculis, Insi sensim ntiomnis ot vngimnlibus pubinuþiis et pilis longionbus con«?ppi*.is, tigims hxis scmtiml bus pilosis clln[i-.quf noemo ipimmili longp peduncuhto nndo n-mo«o nmis oppObiis uu illomis, lloubus | cilunculdls ciciuleis, cihcis exiuions sepilis sessilibus membnmceis ohovilibus oblusis peisisleniibus ghbiit sniiiiibus 3 foi tilibus longioubus, flhrnentis ghbus, capsuh stipuild bovoido nj icr (nincaio emaignala nilenie scmibuN) lmihus inuiui pie^sione angulldis lubertulldis — Ua-lulii in Ab|s«>iri K locfc humidis coii\llli6 fluvii ficazze
- 4 A LANCTOI MUM Bnih in Hooker, Niger Flora 546 f — .Scnbro-pubciulnm foliis bicviuu ptliolous ingutle hnceohtis, pimcuh brevi densi, sepli»» glabns, potato impnu cacltns minoic sossili, sLtimnibus ferlilibus 3 imcqmlibus, fll unenlis I lon-gioubus, apice biibuhtis, 3 sieulibus, capsuli* biloculdiibus, loculis dispenniis — Crescil in Africa iropica occidentali.

III P%L1\$OT% Kchb

(Rchb cz Bnih in Hooker, Nigei Flora 544)

Flores suburegulares Sepala ovata obtusa, impan parum majore. PKala sessiha, sopalis snbsmnia usque paulo longioi *i SUMina fer-tiha 3, pclalis opposita diflormia, duo bievia, filamentis fihformibus, an-thera oblonga vix longioubus, LerUm longius, filamento cras^o, anlheia ovata plunes longioie, stenlia 2 (vel lanus 3?) bre\ia, ananthera, pilis longis aiticulldis dense baibata Ovanum sessile Inloculare, loculis bisenalim 5—6-ovulalis. St>lus apice simplex subpnicillalo-stig-matosus

- 1 P THYRSIFLORV Dnili 1 c — Ciulis bisi decumbens dcin ascendens ramosu9 2—6-pednlis, ghber vel baibio - villosus hoha confria, nunc semipedilia, mine siepius pedalia vel longiora, ohlonga acuimnata, basi in petiolum bievcn angusma crassius-cuh, supin ghbm vol mm* medium el bnsin vtisus baibali \el bula sublus pnlbda luitilla cosin mi lia uti pMioli vngimerjuo bioves lulae pilis longis denso baibnta Thvisi loiiiiinli i, solu in vi I in ixillis siipi HOI IHIS | IUCI Coin siibnoqimKas fiorl-bundi basi hrarlnia riontullim % ng-iriiti UHKIIUO ml linsm | c dunciiloium pnao mom-bmniccao neuminiar subcofn|iliciei»e endure Ptdunculi (ill i) sctus ilinclan spnrsI honzoninlos bieves (nro semipollicnics), apicc circinnatim 2—6 - Don Flores viz 1 lm longi glbnbn vel parc luyielli, s< pulls pdlide, pclalis intensus violacels Fiucus mniun ignoi, junior subsennosus \KIPIUI — *Lommolyna ambigua* Pol d Bciuv Fl Ow 8c hotK M6 1 15 - Kntli Cnumei IV 60 no 78 f — In Afiica Irppicfl oc-cidentali

Vla HETKB1€IITI\ Knze.

(Knze in Schlcbl. Cot Zing \IHI 1)

Calycis tnplivlli sepala ovalia conca¹^, apice bieMler acuteque a cu-min a ta uninervja persislenha et (sicuti leliquae omoes flons partes) L re viler glanduloso-pilosa. Petala tria quam sepala duplo longiora con-

caviuscula obtusiuscula (saturate rosea v. persicina, nervo medio lato albo ulnsecus albo-lineolata) Stamina sex filamenta teretia (rubicund J), tna extenora quam sepala tnplo breviora, pilis paucissimis (1—3) articulatis (palhde \iolascentibus) instructa (simili modo ul in filamentis Tiadescantiarum), sursum inflexa attenuata antheramque apice (?) fissuri gerentia, antherae loculi ellipticae nma lata dehiscenles, polline albo lerlili repleti Stamina intenoia potalis opposita sed letrusa, basi ereeh v deorsum flexa, supia medium reilexa et incrassata, apice alttinta, connectivum transersum glandulosum curvatum gerentia, in cuius margine ulnque antherae loculum panum rotundatum potum est Autherae loculi nma dehiscenles, pollen flum sterile emittentes. Polnis granula feilia elhpsoida, steuha globosa Germen superum obtuse tigonum «ob*olete sulcatum (album), stylus terminalis brevis (o\aiu longiludmem non atmgens), stigma parvum capitatum. Capsula basi altenuata acute tngona locuhcide dehiscens tnloculans, faciebus obtuse cannatis Valvae post debisceniam rephcatae Semina in loculis genma biexiter pyramidata truncata tnnpulana, fusco-nigra rugosa — Herba annua? Mexicana cauhbus eictis (3—6-pollicanbus) remote longeque ramosis teretibus glabns v vix puberuis Mndibus, rubro-lincolatis, basi rubicundis piuinosis articulatis, arliculis mfenonbus ladicantibus, folns ovahbus longe acuminatis, plicato-nervosis, infra palhdionbus tenuiter conaceo-cicalnsatis (?), -marginje acutis, ad vaginas excisis Vaginae semipolliciaes glabrae stnatae punctataeque, ore angusto Versus caulis ramorumque apjeem folia vaginaeque, ore latiores, decrescunt Pedunculi terminates e \agmis foliorum dinntutorum oiHindi longi rainobi glanduloso-pilosi. Pedicell e vaginulis obtusis conalis piodeunlts octoni subumbellatim dispositi, penanlhium aequantes.

1. * H PULCUELLA Krze 1 c 4 — In Mexico habitat

IX. TRAIHSSCASTTIA Linn.

(Kail; Cnumei IV 80, 663 ft 695 - Wlprs Annal I 886)

¹ 1R VELUTINA Knlh fit Douch Index sem in hort bot Derolin a 1818 collect p 12 no 5 — Gaulibus carnosis inmosis, ramis molliter dense pubescentibus, folus scssilibus ovaio - lanceolalis cordato-amplexicaulibus acuminatis herbaceis convexis pilentisaimo - ICCUI vutis, vix umlulais, utrmque inullissime dense pubesceniibus, floralibus grtdnuu minoiibus, umbollis uxillanbus tt lirminulibus, sossilibus, niuluflores, "" luniM opiLOum flisj oisilis, pedicellis toljtibusquo pubesciiibus, slamirubus oonforinibus baibans, sti^milt obiuo inlcgio — Ilabiinl in Guaicmala

f Icon addenda.

TR IRIDFSCFNS Lmdl — Knlh I c 85 no 16 et p 663 — Monon.^nn do IH SOC (lagiicuU. de Gaud Y 455 tab 290)

IX& BHOEO Ilance.

(Ilance, PI nov Austr. Chin diagn ined I p 12)

Pengonn fohola sex inaequaha sossiha patentia, tna externa Ovata idaceolata aequalia aculuibcula roseo -suba^aphana, interiora

mnjora subaequaha ovala obtusa albida. Stamina 6 hypogyna fertilia inatqualia, 3 segmentis pengonu intenonbus opposita longiora, filamenta alba dcnssissime barbata, anllierae reniformes obcordatae, locuhs lineanbus subcurvatis laicnlns, connectivo obconiro-tngulan fla\o disinctis. Ovaiium sessile obovoideo-tngonurn triloculare, locuhs uniovulatis. Stylus filiformi-subulatus albus, longitudine slaminum, stigma obtusum simplex Cap^ula 3- \L\ saepissime aboilu 2-ocularis, loculide dehiscens. Semina in quo vis loculo sohtana — Herba Mexicana glabcimua acauhs, habilu cjuodammo Aloineis Diomeliaceisve accedens: ladice libiosa; folus radicalibus carnosulis lunieolulis integcrnmis aculis, supia vindibus, sublus niargmeque purpureo-suffusis, glabemmis, ba&i vagin^anibus, flonbus axillanbus, bre\ilei pedunculatis, umbellato-congesUs, spatba duplici suilultis, podicelhb cunatis, bracteis lotundato-ovatis puipiuascntibus subpellucidis vaginalis Diflcit a Tradescantia ovarn locuhs umovulalis et praeseilim maxime habilu.

1 * RII DISCOLOR Honce 1 c — *Tiadescantta discolor* Sm — *Knth Enumer* IV 85 no 18 — Habitat in Mexico

IX POFCYSPATHA Bnth.

(Bntb in [looker, Niger Flora 543)

Floras irre^uldics. Sepala naviculana, impari duplo latiore, persistentia Pelala libera, 2 (vel 3') longissime ungiiculaLi, lamina tenuisma, (impan lãlioie breM?) Slamina 3, antheiae aequales oblongae, locuhs connectivo angustissimo junclis (stenha nulla). 0\anum sessile biloculare, ovuh» in loculo sohlanis. Capsula regulariter bivalvis, \alvulis medio seplifens. Semina oblonga, lateralitei affixa, ventie longitudinalinahi costata, dorso umbihcalo-depressa et radialim multicostata. Infloiescenlia. flores pluies subsessiles intra spathas (^n braceab) complicatns secus ramos flexuosos paniculae sessiles et reflexas.

1 P PVNICLLATA Bntb I c — Gaulis bnsi piosiraius ladicans, tumeiectus, 1—2pedes altus, uti lota plnnta pube minuta scnber Vngmae polljcareb laxae, oiebrevitr cilwto, jnfenorurn truncato, supeuorum obliquo Folia substimpedalia o^ala acummata et acuta, bnsi in peliolum brexem angustota Pamcula lermumlis, ramis simplicibut apioximns, folio paivo fill 1)4' vel inferioribus ex axillisfolioium caulinatorumsupenoium nalis, supremo'6—Spoil longo, caclens bievionbus, rhachis flexuosa pubescenfl Spath<ie 5—6 lin longae acutae membianoceae ciliatae costatae, ad quamquam flexuram stssjles, in rhachin arete rflexac Flores intra spatham saepius 4—5, bracieis par\is intcimixtis, e basi spatbae prommentes Sepala angusta, cnca 3 lin longa, extus pilosula caunata et apice fere cutullata. Petala consistenua ita tenui, ut forma laminae in spoi iinibus SICCIS hauri rile observaii potuerit Stamina petalis aequilonga Ovnum 1^ve globium Stylus calyce duplo saltern longior, apjee bis teive involutus, summo apice" siigmatosus, bievissime bifidus et lovitei dilalatus Capsula mtidul* ovata compressa oblusissima, 2 lin longa — Habitat in insula Fernando Po.

XI CYA3TOTTS Don.

(*Knth Enumer*. IV 102)

. C ABYSSINICA A. Richard, Tent (lor Abyss II 344 tab 98 — Radice luberoflB glóbosa, caule erecto spithamaeo pedah ot ultra ramoso, ramis erectis tereiibu* P¹¹

- loso -liirlis; foliis D) a si longe vaginaniibus lanceolato - linearibus acutis longissimj*;
vnginis uncialibus basi inflalis hirtis ciliatisque; involucri bracten exteriore oblongo-
lanceolata apuia plicata; floribus &-7 sessilibus erçelis, in nervo medio bractee ex-
terioris insertis; bracteolis 12—14 iinbricntis sessilibus inaequilatelis oblique acutis;
sepalis ftxlernis ovali - lanceolatis acutis, internis in corollôm caeruleam tubuloso-
hypocnrieriformem limbo triprtito coolitis; staminibus 5 subexsertis, flame.mis barba-
tis, antheris ellipsoideis introrsis. — Habitat in Abyssinioe pratis circa Adoua.
2. C. PAUCIFLORA A. Hichard I.e. 345.— Pusilla annua: radiceflbrosa, flbris tenuibus;
caule erecto simjrlici 1—3-uncialI gossypino.albido; foliis Ianccolalis angustis acutis,
basi vnginantibus pubentibus gossypini.s; involucri communi foliiformi diphylo, foliis
oblongis aculis plicatis, horizontaliier recur vis; bracteis saepius 10, exclusis 2 inferio-
ribus longioribus in involucri abscondilis, per paria dispositis brevioribus lanceolatis
acutis tenui - merflbranaeeis incumbentibus, pilis longis albidis obsitis; floribus 1—2
sessilibus caeruleis. — Habitat in locis humidis moniis Selleuda⁴ Abyssinine, prope
Adoua. *
3. C. LANATA Bntb. in Hooker, Niger Flora 542. + — Foliis Innceolatis linearibusve, in-
floresceniis cnuleque laxe sericeo-lanatis; spicis laleralibus lerminalibusque subgemi-
nis; bmcleoJia falcator lanceolatis; sepalis pilosissimis; cordlla infundibular! triloba;
staminibus vix exsertis. — Crescit in savannis Africae tropicae Occidents (Nigriiiae).
4. C. LONGIFOLFA Bnlb. 1. c. 543. f — Foliis subradicalibus lineari - lanceolatis molliter
pilosissimis; scapo subnudo foliis longiore; spicis geminis, aliera breviter, altera lon-
gius p0unculniis, folio, florali fultis; bracteis falcatis pilosiusculis. — Crescit in Congo
ultra aequaiorem.
5. C. ZEBRINA N. nb E. Del. sem. hort. Vrmisl. 1850. coll. p. 3. adn. — Radix Qbrosa.
Caulis perennis decumbens ramosus tores, e basi vaginarum radicans, internodiis
elongalis, inferioribus sparsim, praesertim versis apicem pilosis, praeterea lines pi-
lorum brevissimorum medianae folii faciei respondent instructus, iniornodium supre-
mum floriferum magis elongatum, omnin viridi - purpurascencia punctisque viridibus
variegata. Folia disticba vnginantia, vaginis brevibus (Ve) villosis siriotis, margin^
truncatis ciliatis, peliolo subnullo, lamina subinaequunli ovali - acuminata integerrima,
l'A—2-pollicari, pagina superiDre sparsim, inferiore densius pubescente, liac lilacina,
ilia vims duabus laleralibus albenlibus noiata, margine purpurascence ciliuto, costae
secundariae 4—6. Inflorescentia glomerata, foliis duobiiis sessilibus subevaginalis in-
clusa, bracteis niembranaceis incurvis ciliatis. Petalorum lamina roseo-purpurea, tubo
calyceque albedo. — *Tradescantia zebrina* Horiulaa. — *Zebrina**) pendu/a Schnizlein,
Sol. Zeitung. VII. 870. - Habitat. . .

XIII. DICHOBISA1TDRA *Mikan.*

(Kntlj. Enumer. IV. 109. ft 697.)

*• 'D. OVATA Mart. — Knlb. 1. c J10. no. 2. — Paxlon, Magaz. of bot. XV. 5. (c. ic.)

*) Flos trimerus reffularis, calyce tenero albedo lubuloso trideniato, pBrce piloso; co-
ne petnlis in mbum fere cylindricum pedicello cum calyce triplo longWrcm connatis,
lupinn obovaio - roiumlaia parco cienulaia, persistens sed mox marcescens. Siamina B
forollae inseria, filamenta basi pnce pilis ariculais obsito, laminae lon-
gine mingeulu, undierae connectivo triangulari oppositae, loculis parvulis rotunda-
l'On Rjudirifli(er upenis. Gernftn obtuse ovnm triangulari trilocularo, stylo fliformi
cunMudie wwninum, stigmati cnpiaato-trilobo; gemmulae superpositae 2 in quovis lo-
Cn)8ula pedicilulo brevissimo incurvaio adpres*a ovoto - oblonga lucvis, basi ca-
vèYf pe rsij:*) ente auia. Semina 1—2 in quovis loculo ovato - obtusaia, facie oxlevna con-
r.ugulo dra, in fllei:*) plano affix^» micropyle exius spectante, cinereo-fusca, subliliter

Ordo CCLXXIIH. XTRIDACEAE *Lmdi*

(XVHIDLAL Kiith Enumer pi uu omn IV 1—29 *Be* 658 — *Wlprs Annal I* 887)

II ABOL.1IODV *Humb Sf BonpL*

(*Knth Lnumer*IV* 25)

- 1 A GRANDIS *Giiseb Linnoen XXI* 281 + — *Folns Into linennbus multnervus ugulis iruminilis pedunculo bis bivoginato npue dilulato super BUS, Migmaubus ? — (iescit in irenosis prope Jodcn-Savanni (Cordonpad) in Surinam*

Ordo CCLXXIV. MAYACACEAE *knth*

(MAYACEAE *Knth Cnumer plant omn IV* 30—33)

Ordo GGLXXV. ERIOGAULEAE *L C Rich.*

(*Kntb Enumer pi omn III* 49[^] — 580 — *Wlprs Ann 1* 889)

IV. P%EP%LAOTHCS *Mart*

(*Knth Enumer III* 498 — *Wlpi s Annal I* 889)

- 1 P SUDIII IS *Miqu Stirp Sunnamens select 221 f tab 65 B* — *Ciule simplici vix pollic[^]ri, folns hniaribus aculilis tnneivus, junioubus ciliohlis, basi pilosis vel g^{fl}bris, pediinculis bipollicanbus insulcis dense pilosis \el ghbii!>, vngina stnolata P^{pl}beruh vel ghhrn vix irilinenri, oie obliquo ciliata et m hminun brevis[^]imam term^lnnta, cipiLuli> dtmuin semiglobosis vix lineim crassis, biactei[^] junioubus puberul^l, adultis gl ibns, floiibiib exlcnoiibuj* foemineib, icliquis niaculis, pilis sordide ^{^IS}obtusiusc ~~ii~~ — fi escit in Sunnm*
- 2 P bIMPLLV *Miqu 1 c 222 f* — *Acaulis folns subiosulatis bieivissimis linear^{*l} pilosulis, sensim glabiatib, peduaculo solitauo terminali tusulco, cum vagina s^{par} piloso, capituli semi_ploboai albi biacleis oxieinis ct mternis oblongo lanceolatis a^{cttU} glabns albi Us, florum misculinorum peugomi exlPini pbyllis lanceolatis, interno buloso campanulato tndcnlato ghbio, his foemineisquo pedicellatis basi ⁸ — Habitat in Sunnam*

V. ERIOCACLOt *Linn.*

(Knth, Enumer. III. 539. - Wlprs. Annal. 1. 891.)

1. E! RIVULARE G. Don ex Rnth. in Hooker, Niger Flora- 517. f — Acaulo: foliis late linearibus, vaginis glabris; pedunculis folia superantibus; capitulis depresso-globosis albo-binis; bracteis involucrantibus ovato-orbiculatis subhyalinis glabris subciliatisque, capitulo multo brevioribus, flores stipantibus cuneatis necatis flonibusque apice ciliatis; floribus masculis hexandris, sepalis alte connatis, petalis uniglandulosis; (l. foemineis irigynis, sepalis petalisque distinctis; sceminibus leviter striatis glabris. — Crescit in Sierra Leone prope Freetown.
- 1^ E. RADICALS Dnth. 1. c. f — Subcaule: foliis longe linearibus gmmincis, intimo pedunculum vaginantibus; capitulo terminali; squamis involucrantibus imbricatis latis obtusis sordide pubescentibus, inermis radice, (lores stipantibus hyalinis glabris denliculatis; floribus apice ciliatis hexandris trigynisve, sepalis liberis; petalis glandula lineari, ovarium alteconnatis, foemineorum apice conniventibus connatis. — Crescit in Sierra Leone, Grand Bassa, ultra aequatorem.
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Subclassis IX.

GLIOTACEAE *Bartl.*

(Enill. Gen. pi. p. 77. — Moissn., Gen. pi. vaacul. I. 409. II. 313.)

Orda CCLXXVIII. CYPERACEAE *DC.*(Enill. Gen. pi. p. 109; Suppl. I. p. 1358.; II. p. 9. — Meisn. Gen. pi. vascul. I. 410. II. 313.
— Knth. Enumer. pi. omn. II. 1—592. — Wlprs. Ann. I. 898.)Tribus I. *CYPEREAE* Knth. L. c. 2.I. *CYPERUS* *Linn.*(Knth. Enumer. II. 2. 537. fit 592. — Wlprs. Annal. 1. 898. — *Pycreus* Palis. - Wlprs. I. c. 899.)*Stigmata duo.* (*Pycreus* Palis.)

1. *C. CAPILLIFOLIUS* A. Richard, Tent. flor. Abyss. II. 475. — Annuus pumilus: culmo caespitoso 1—3-unciali gracili erecto triqueiro glabro; foliis linearibus subulatis, culmo brevioribus glabris luevibus; involucreo monophyllo subulato; spicis compressis castaneis oblongis angustis, umbellulam solitariam quasi lateralem sessilem efformantibus, 24—30-Paris; floribus compressis; squamis suborbicularibus longiuscule mucronatis, dorso incrassato carinatis 3-nerviis; achaenio obovato apice iruncaio vix apiculato, lateraliter compresso, squama triplo brevior. — Habitat in Abyssiniae campis glareosis planitiei momanae Chire.
2. *C. AFRICANUS* Steudel in A. Richard 1. c. 476. — Gracilis perennis: culmo erecto orthostachyae triqueiro gracili glabro; foliis linearibus angustissimis, culmo brevioribus, margine retrorsum scabris; involucreo diphylo, foliis brevibus inaequalibus; spicis elliptico-lanceolatis aculis compressis, 2—3—5 approximatis 10—14-floris; squamis atropurpureis, lanceolatis carinatis obtusis; stigmalibus binis; achaenio ...? — Habitat in Abyssiniae prov. Somaliene.
3. *C. ATRONITENS* Hochst. mss. ex A. Richard 1. c. — Culmo erecto sesquipedali triqueiro laevi glabro; foliis linearibus angustis, margine retrorsum scabris; involucreo foliis tribus umbellam multo superantibus; umbella pauciradiata; spicis compressis conglomeratis 12—16-floris; squamis dorso carinatis ovalibus obtusis, nitenlibus nigris; carina sola pallida stigmalibus binis; achaenio obovato subcompresso. — *C. elegantulus** Steudel mss. — Habitat in Abyssiniae prov. Ouodgeraie.
4. *C. NEVROTROPIS* Steudel mss. ex A. Richard 1. c. p. 476. — Culmis caespitosis 6—8 uncias ahis iriquetris laevibus; foliis linearibus angustis, culmo brevioribus laevibus

involucu loins saepius bims patulis umbella brevissima condensata 2—3-radiata, radiis brevissimis, spicis oblongis compressis 10—15-flons congestis, squamis ovalibus oblusn, dorso cannatis tnnerviis, margine atropurpureis, ceniro pallide purpareis, doiso vindescentibus, stigmadbus bmis, achaemo obovato subcompiesso — Habitat in aquis Abjssinae juxta Adoua ot ad stagna prope Guendepn

- 5 C TERCTJFOIUS A Richard 1 c p 477 — Perennis caudice horizontali repente culmis folnsque denso cnespitosi, culmo erccio palman aut subpedali teieli glabro, Coins basi lnia Aaginanthus lineaubus subulalis scmlterctibus, facie inierna semicanalicuhtis acutis glabns ligidis, raargme retrorsum denticulalo-scabns culmum aequanibus aut superanlibus, ^aginis coloie castaneis, folns involucialibus 1—2 umbella longionbus, spins numeiosissimis congestis et quasi capitulum, nuus umbellom congestm paucii idiatnm tffonmntibus, lanceolato - oblongis acutis compressis sub 30-flons, flonbus valde approximnls imbricaiis, squamis ovali-lanccolntis aculis cannatis, coloie pnllide purpuiascenlibus, maigino pillidionbus, stigmatibus bims, achaemo obo\ali obiuo lenticular! axi parallele compresso, facie inteina concavo, exleina con\exo naente — Habitat in Abyssmia locis arcnosis regioms Choho
- G C FOLCHIFUS C Koch, Lmnaea XXF 623 f - Fibrosus glaberrimus culmus folia superans c\ ba*i bifolius, imolucrum plciophjllum, pedunculi fasciarii inaequale9, basis anihelae ramosi, lamis 3—5 spicatis, spiculae spicaiim dispositioe, enguste oblongo-lineares, glumae oblongae cannalae, ex dimidio supenou margine hyalino in*irudae oppo«nae margine se tegentes, nuculam nigram punctulntain duplo aupeentes, %x dorso innencs, stamina tna, stjlus profunde biQrius — Crescit in Imena ad lumen Caballuin
- 7 f STACHYOPHORUS C Koch I c f - Radix fibrosa, folia lae\issima glaberrimo, culmo mmon, indicia dcomposita, radii ex apice 4—8 spicai, raro unam spicam gtientes irniquilos, spicuhe lanceohlge, glumio obtusac, mirginibus ex paite hjalinis intei se togentes, cannalae tnbns ncms vindibus mstructae, slmna tua, stylus bifidus — Ciescit in prov Trcbisono nd Mare nigium
- ^ ? FLGAX I icbniann, Mexicos Hahgiaes pag 8 f- Planta annua caespitosa radice libiosa, culmis 1—1/2 poll longi? tnetns glabns slnalis, basi folialis, folns culmo subiequonibus seticeis convolulis glabns decurvalis, umbelhi pauci - (3—4) iadiam, riiiis V,—7J poll longis, apice 3—6-slichjis, inieulum solummodo fasciculaio-spicaus & ^8«siachyis, involucro 2— 3-ph\llo umbellam supennie, phyllis setaceis curvalis 1—2-pollicanbus, maigimbus sursum sobns, ocbreis brevibus apiculatis, spiculis alterms subdistirhis 3—6 longis, elongato - Innceolalis compressis 10—18-(lons, squamis sub-squanosis cannato-na\iculanbus compressis late obovans dorso tnnervus oblusis, ncrvo canmli MICH infra apicem in mucronem bievissum excurrento, latenbus flavo-castaneis, apice marginibusque flavescotibus, stamibus 2, anlhens oblongis, c&ryopsi compressa obovata oblusa apiculatQ casiana, subulissime punctulata, squama subduplo bieviore, rbachoola flexuosu compresso-quadranguhn, doiso canaliculata foveia foveis oblongis, margimbus nngusie hjalino-alalis — Habitat in Mexico (Clu«nilo, Jocotepcc)
- q r INCONSPICUUS Liebm 1 c p 9 f— Phnla annua radice fibrosa, culmo bipolhean tr>gono sirlato ghbio, basi foliato, folns culmo longionbus angusle lineanbus, jnar- l?Ine tenuissime el remote scabns, umbella 5—6-radiata, radns extenoubus %—V, Pollicaribus, intenoibus brevionbus sessilibus, apice 6—{J-Slaclijis, involucro te- lrA Phyllo umbellam superante, phyllis infenoibus 3 poll longis, angusle lineanbus co>n>plicaiis, margine scabris, ocbreis ore obliqqis bidenticulatis, spiculis pntulis spi- J ntlm (> spositis elongnto-lanceolatis, ulnquo iculis 2 longis compressis 6—8-floris, -asi sqmma jninita lanceolata acuta suffultis, squamis imbcatis cinnalo - nviculan- bUs co>mpressis ovatis obtusis, infra apicem brevissime mucronatis, mucione apicem *** attingente, canna vlndi 3—5-nervia, laienhus pallide lufescentibus, margimbus UI

hyolmis, siamimbus 2—1, anthra ovilo-cordaia, cnr\opsi obotnta lenticulnn minutis-
sima fu«ca sniitillissime gianulali ipirulata, squama 3—4-duplo bicviorc, slylo \ix
ad medium billdo, rhaclipoh floxuosi li\ilmo-alnii — rhliiil ad S Jose in
Costa no

- 10 HP! VUS Liebm I c p 9 f — fnlrms cap^pitosi 6—9-pollicuibns lugonis striciti
glabris folinns, foliis 1—2 culmis brevionbus plants conua nngimbusque srbns, \a-
gtm« rede truncatis, nmhfla snbquaritnidmi, radii? 2 intcnonhus scssihbus, 2—3
pniuhs subpollicinbus, ipuo 8—12-snchyis, ochreis oblique iruncitis, involucio 3-
phjlo ndns longioip, plnllis paicnllissimis subrecurvis caimuis, «ursum margimbus
canmqp cilialo-denliculniis, longioithus 3- rniins, 4—5-pollicanbus, spiculis congeslis
diveigenhbus clontrnlo-o^ntis compiesMs 11—24 nous, squamis cinnalo-navtceufiribus
ovniis obtusis mulicis, doiso sub 5 noiviis, canna virtdi, Intcnbus Tusco Ihvescenlibus
nilidis, stiminibus 2, cnjopsi pllipi c\ ipiculiin compr«?«T nsinnoa nitida subtilis-
SIMP punrtuhin, squaoia duplo bicvioie shlo profundts9imC bifldo MX exserto, rln-
chpoln nexuosn compresso-qundianguhri, latero dor^ali Ciinnlirulain, fovcis elliptico-
oblongis, margimbus subcomceo-mombnmcis — *C mclanoslachyui* Knlh {a\ p) —
C flavus Prsl — Habitat in Mexico oriental!
- 11 C AMIHGUS Liebm I c p II f— ninzomite Iiomoncdi lppenle, culmn l'A-
ppdalibus gracilibns inqurlris ghbns slrnlis, ba^i 2—J-folntis, foliis culmum sub-
acqinniiltns nngiismime Imeinbus phnis cinniiis, canrn rmrgmibusque scabris,
vagirns hipollicimihns punctulntis umlielln 5—7-indnn, ndiis inneqmlibus, plotisqiK¹
subsessi'iluis, 2—3 pitulis 'A—% poll longis, apicc 7—11 spicilis, ochieis imncalis,
involucio 3—4-phylo r.idns nmltniios longiorc, pbyllis paleniis<im;imis angu^libsimo linca-
nbus phnis, canni mnrginibusque scabris, longionbus 4—5-pollicanbus, spiculis den-
smsnno rongosiis di\orgcnubus inacqmlongis avails compioissis (J—10-Horis, squamis
imbntntis coiimto - navicuhnhiis o\nlis obuisis mulicis, dot so 3-norviix, cm inn viudi,
lalcubu^ soulidc slramineis, piope caunm luc 11 lie fu«co - Imcohiis, sUimintbus 2
caryopsi elliptic^ compiessq acuM ob«olcio punctulan flivescenie, squimi triplo bre-
viore, slylo bifldo nd medium flsso — 6 *mlanostachyui* Schlrbl d i\ p — Habitat in
Mexico (Vcra Cni7, Hualusco)
- 12 C SQUALIDUS Liebm I c 11 f— Dense cacspiosu^ culmis 4—7-polljconbiis graci-
libus glbnns <itiniis trigoms, basi 1—2-foliatis, foliis culmo brevioubus angusie jinea*
ribus, margme scabris, \ngims subpollicnbus, basi rubesceulibjis, ore obliquis, um-
bolh 2—3-radnm, radus valde inaequalibus, modo subscsilibus, modo 'A—7i poll
longis, apicc 3-5 stachyis, nnus solummodo 2-stachjis, involucro 2—3-pbyllo um-
bellam supcrante, pliyllis anguste lineonbus comphcailis 2—IVa-pollicaubus, margme
scabris, oclireis trunoalis, spiculis diveigenlibus remoliusculis compressis oblongi«i
4—8' longis, 20—35-flone, ba^i bractea minuta subulata suffultis, squamis compressi*
imbncatis deciduis navicuhnbus ovatis obtusis, canna lain applanata 3-nervia fusco-
VII idi, htenbus fusco-flavidis, staimnibus 3, flamenlis membranaceis hvalims persi*
sleniibus, caryopsi obovata obtusa apiculaia rugoso - luberculata opacn fusco-nJgrfl»
squama subduplo breMore, stylo profunde bifldo, rhacheola fleiuosa bjalino-alaio. --
Habitat ad S Josd in Costa nca
- 13 C PICEUS Liebm 1 c p 12 f— Culmo subpedali gracili tngono glabro striato, **booi**
1—2-fohalo, foliis culnio bievioiibus angusiissime linearibus plants, sursum cariofl
margmibusque scabris, caelcium glabernnis, umbella 4-radiata, radus 1—IVa-pollica*
nbus, medio subsessili, apicc 3—5-stachyis, ocbiets truncaus, involucro 2—3-pbl''°
umbplla longfore, plijllis iniqualtbus, inflmo 3—4-pollican, angusiissime **linearibus**
ranna maigmibusque scabri*, spiculis remotiusculu distichis oblongis **compressis**
10-12-flons, 3 lm longis, squamis caunaio-naviculanbus concovis imbncatis **ovatis**
oblusis mulicis, doiso 3-5-neivns, canna vindi, latenbus vanegaiis cdstaneo-ft«<fif>
m^{argine}flavidis, staimibus 3, filamentis in rhacheolae foveis persisienlibua **haliu**

membianncis, cnr>opsi obovato-subglobosa apiculata e caesio-scrobicuina mgncanie, squama riuplo bicuorc, stylo billdo caiyopsi bieVioie, ihoclicola flexiosa coiuprisso-quadrangulnu, luere doisali cnnoliculaia, fo\ci» obo\alis vel obcuneaus, niarglnibub s»uhcoiiaio rncuibjunaccis — 6 *melanoslachyus* Auct ox p — Habitnl in Mexico

U 'C MLL\NOBTACriYLS II n Kntfi — Knlh 1 c 10 no 21

a *lohslui* Liebm I c p 13 f— Rhizomale obliquo repente cacspitoso, culmib 6— 10-po licanbus ciassiusculis (pennom columbmom eras sib) lugoms glabns sliialis, bail Z—4-foiuis, fulns culmum aequantibus, 2—2'/a' !»'* plains cannatis crassius-tulis, sunimo apice mugimbusque remote ciliohto -spmulosi*, caelcuun glabtnimis, Mginis laxis, oi e ampliatio nuncato, mfloie&ccnlia capitnto-congesta lobma e radus plunniessilibus compositio, inlctdum radium unumnterumvc polysiachyumimittente, i —1 'A poll longa 1 itatjie, ladns 10-30 shcbyn, sacpius bicviraosib, iivolutio 4—5-ph)llo tapitulum niultoiiLS superanc, phyllis pilcnlibus maequjlibus, longjonbus sexpollicanbus late limai bus plants cuinaii!*, «UMIII cnuna ltnrginibusque remote ciUoldlo-s]»inulo»iii, spiculi» numerosiasims duuc congestis divergenlibus compi essis elongnto-ovalis 4—5 lin longis, 12—18-floous, squamis imbucalis cuunalo-naviculanbus epnea-vis ovalis mulicis, doiso 5-nervu», canna suisum viudi acuta dtorsum fusctscenie pi uia, laienbus Viiiicgtia e castoueo fluo-fuscis casiano • puncialis, eiamimbus 2, lihmenlis cum squaiws dcuduis, caiyopsi obovaio-tllipiicQ coupre&sa apiculala, sub-lilis>iiDie li icolaio - puncialnia III^i cnnio opata squama-7» —'/« breviorc, stylo billdo L\»»cio, ibatbccla fiexuosa quadnqaira, latoie doisali foveaio. — Itititidl in Mexico (iehuacan Dalcu)

§. *gracih*s Litbm I c p 14 f— Culrais flhfoi hiibus subpcdalibua Inquetrib gla-
 † is sliidtis basj ioUaiis, folna culmum subacquanlibus angusie lineaiibu« tonuibus, iiiJioie>iLnlia cajmato - congtbta e ladns pluubus sessilibus 4—6-siachyis composua, in ip^f iiiiudie nucis avllanao, iivolutio lupjiyllo capitulo mulloiiis longiore, phyllis iii)(uste limanbub longionbus 4 — 5] oil longis, spiculis dtnsibsimocomgeslis elon-biio ovatis compose 10—18 iloiia^, squamaium latenbus nigto-castaiieis, caeteium oninibus rationibus cum loima t)rica congrua — Habitat in Mexico (Chinanlaji, liizullan)

!> (1EUNANUEZIANLS Colla, Mcmone di loimo XXXIX 21 f tab 56 - Folus lineaii-bui> ania(is acuiib, culmo basi Itviiei tiigouo, supeine lei eliusculo glabernmo duplo bitvioubub, umbtlla pauuadiata, Lapitulia subglobo&is polyslachyia sesSilibus pednnculalis\e, involucro subdiph)llo macquali, involucello 5—6-pbjllo atquali brevis-^llJO, spiculis glODiorutis ovio-oblongis com^i c^siuaculis, squimis lanceolatis, slig-
 nnie 2-fldo, nuce ovata glabra — In Chili

lh ((LCWLRl Torr (ubi??) ex A Giaj, Manual of the bol of the Northorn Unit iMiaies 517 — Sliinino smgulo, culmo selifoimi (4-pollicau), foljo nivolucrali singulo s>iiiulici tieito, 4>pid lanteolaiO''lineaii 10—12 floia (semipollicarj), squamis lineuu-
 <jblon,il> aculiuftculib liineivus, atbauno oblongo-ovoalo compieississimo puncticu-lato — c *UHLIUS* Ton (me L) — (minimus Nutt (nee L) — In Amenta boreali (Monwouih Couutj)

• ' *Stigmata tua {htuyjerus)* '

17 ('AUPLU Hoclisl mss in A Hichaid, Tun. floi Abyss II 478 — Annuus calmo giatili lililoiui erecto 3 — 6 - uiuJiah obtuse tuquetio, folus angusiissimis couvolulo-seiaceis, glabns ellaevibus, culmum vix aequauibus, involucralibus 1 — 2, spicis ovali-oblongiis compieissis solitauib apt gPinmis sessilibus, 8—10-Qaiis, squamis o\ a-
 ^bub basi coucdvis naviculnbnbu^, npjee acutib, dorso cunuaiis <t sub-5-nei.viis, coloie UdvcDteubus, apice JilTuse oiratis, acbaemo globobo oblusissimo, basi subliiquetio lacuoso tubeiculatp, — Habitat in Abyssmie provinciaca Sana

- 18 C SLRRA A Richard 1 c p 479 — Perennis pumilus culmis caespitosis 2—3 uncias altis inquetro-compressis glabris laevibus, cum folis basi vaginis latis nudis scanosis cinclis, folis limbanis angustis obtusis glabris laevibus, culmum aequanlibus, spicis compieccis elliptico-oblongis sessilibus 4—10 lateraliter aggregatis, 20—26-flores, squamis cinnamomeis apice longe mucronatis mullinensis, colore iubicundi, acumine quasi ustulato acnemo oblongo inquetio acuto, squama in plo luoMoie — Ilihitii in tei flsuais lupinm in montibus Abj[^]mnc provinciae Ouodgerate, ahuudine circiter 8000 ped ^{«uprn mate}
- 19 C DICHROSTACFIYUS Hochst mss^{*} ex A Rirlmd) c 481 — Culmo erecto casso tiiqueiro glabro 2—3-pedali, lino culmum acquantibus htiusculis, maigine lctiorsium denticulato-scabris, involucralibus 3—4 longissimis inaequilongis, umbella pluviadiata decomposita, radibus inaequilongis, spicis angustis sub-10—12-flores dense aggregatis, flouibus latiusculis, squamis ovali-oblongis acuminatis, dorso carinato-3-neivns, tolore pallidis, basi macula rubia notatis, mucrone recurvo, achaemo obovali inquetio, apice acuto laevi — Habitat in Abjssimae prov Clnre
- 10 O ANDSCHOA A Richard 1 c p 481 — Gaudice basi repente stolomfeio, culmis creciis sc^{*}quipedalibus tuquetns glabris, folis late linearibus glabris, letroisum maigine denticulato - scabris, culmum fete aequanlibus, involucn folis saepius tubus umbellm mullo superantibus, umbella pluviadiata decomposita, ndus valde maequilongis, spiti[>] compieccis hnceolatis acutis in parte lamioium ses[^]ilibus congloinciati*, 10—12 lions, squamis late ovalibus subacutis carman[^], coloio pallidis macula laia-sima intense purpUrea notatis, achaernis liiquetiis — Habitat ad margines mulioium in Abjssinae piov Ouodgerate
- 21 C INTERMEDIUS Steudel mss ex A Richaid 1 c p 483 — Annuus culmo erecto giacili b—8-unciali inquetio ghibio, folis linearibus angustis glabris laevibus, culmo subbiioribus aut aequalibus, folis MAOIUCII 2-3 longis macqualibus, umbella pnci-ladiati, radii* 3—4 inaequilongis, spicis 8—12-flores compressis latiusculis, in parte ladioiuin supenoie 3—5 alterms appioximatis, squamis oblongis obtusis naviculanbus obtusis, doiso cannatis tiinenu casiancis, achaemo obovoidto subcompresso, apice brevissime .ipiculato, tenuissime punctuhto — Habitat in Abjssinia pi ope Thomara
- & G ADOEINSIB Hochst mss ex A Richaid I c p 484 — Culmo sesquipedali erecto glabro laevi, lino linearibus aculis glabris lae[^]ibus, culmo bivionbus, umbella pau^{*}ciradiala, ladns 3—4 inaequalibus, spicis linearibus 9—10-lions angustis subdi&nti-lions, squamis oblongis obtusis, apice rarius mucronalis, dorso 5-nervus, lateraliter castnncis, sligmatibus tubus longi[^]simis, achaemo inquetio laevi, involucn folis binis maequalibus umbella longionbu* — Habitat ad npas rnulorum Abyssimae props Adoua
- 23 C WN1H0PUS Steudel mss ex A Richaid 1 c 485 — Culmo erecto 2—3-pedali inqiuio glibro, lino linearibus culmo brevionbus glabris laevibus, involucralibu* 3—4 inaequilibus erectis, umbellam muUo superantibus, umbella pauciiadiala, radii⁰ iniqumlougib apice ramosis, spicis gracilibus alteiniflons et distantiflons 12—16-flori[«] ramulob obtegentibus et racemos densos simplices obtusos elformanlibus, squamis ob[^]lon[^]is caunaiji muliinerviis, apice emargmato-mucronatis, achnemo oblongo obUO[>] inquetio, stylo apiculato, tenuissime punctulato — Habitat ad rivos provinciam Abyssimae Mcclat et Semiene
- 24 C ASSIMILIS Steudel mss m A Richaid 1 c. 486 — Culm is caespitosis **subti queiro** glabris, folis linearibus acutis[^]imis glabris, maigineietrorj[»]um subj[>]caberulis, **involucro** folis inaequalitibus longissimis erectis umbella pluviadiata, radus apice ramosis, **spicis corapi es&is**, saepiu[>] 4—8-flores flivis aggregato-capitulis, capitulis numeiosis **pedicellatis**, squamis compressis \alde cannatis glabris, apice aculis, dorso **pallidoribus** set! concolombus, achaemo inquetio oblongo gracili, apice rostrato, **tebuissime** **pau**

clulato, vix squama brevior. — Habitat in locis humidis et inundatis provincie Cbire in Abyssinia

A> C RIGJDIFOLIUS Steudel mss ex A Rich 1 c — Culmo palman erecto triquetro, folis angustis orceis rigidiusculis glaucis, culmum fero aquantibus, margine retrorsum scabns, folus involucri umbellifera duplo superanubus, umbella pluriradiata dense, latus brevibus, spicis compressis angustis icutis 6—8-floris allotinis congestis et racemos oblongos acutos constiuentibus, squamis canalicatis oblongis obtusis, dorso pallidis et sub-5-nerviis, caeterum atropurpureis, *ligamentibus tenuibus longissimis, achaemum — Habitat in Abyssinae provincia Semienae.

& C TRUNCATUS A Richard 1 c p 487 — Culmo credo bipedali triquetro, basi periphylo elongatis nudis aut humis brevissima terminatis cincto, in medio folus 1—2 linearibus acutis, nervis retrorsum scabns, involucri lobis saepius 4, umbella duplo longioribus, umbella pluriradiata decomposita aequipedali, spicis linearibus acutis, 10—12-floris (floris distinctis), in parte superiore umbriferarum umbellarum approximatis alteris, squamis oblongis, apice obtusis et truncatis, intense atropurpureis concoloribus, ligamentibus tenuibus — Habitat in Abyssinae locis humidis provinciae Chuc

W c FISSUS Steudel mss ex A Richard 1 c — Humilis perennis canaliciformis caudice lepente subterraneo, culmo credo 3—4 uncias alto teretio, folus linearibus angustis, culmo longioribus, margine retrorsum subscabns, involucri diphylo erecto, spicis 5—6 terminalibus congestis erectis, sessilibus aut quibusdam breviter pedunculatis, compressis oblongis 10—14-floris, squamis oblongis oblongis canalicatis, colore cineraceo, multinerviis, ligamentibus tenuibus longissimis, achaemum ? — Habitat in praealibus montibus districtus Gossassa Abyssinae in provincia Semienae

28 C DERRILEMA Steudel mss ex A Richard 1 c 488 — Maximus procerus caudice teretibus subterraneo, culmi erectis, 4—6 pedes altis, acute triangularibus glabris, folus linearibus longissimis, culmum subaequantibus, uam unciam latis acutissimis, dorso subcanalicatis, in canaliculo nervis, umbella decomposita multoties lamosa spicis compressis ovalibus 6—8 floris, alteris approximatis, squamis ovalibus oblongis aut breviter mucronatis orceis, dorso tunc subrubro fulvis, ligamentibus tenuibus, achaemum oblongo in parte obtuso, in parte foliolis aequantibus longissimis — Habitat in regione media inonibus Selki in Abyssinia provinciae Semienae

^9 C HSCHLIANUS Schimper mss ex % Richard 1 c — Culmo erecto tripedali inaequalibus glabris laevibus, folus linearibus longissimis, 3—4 lineas latis, utrinque scabns, involucri fere aequantibus, involucri folus longissimis inaequalibus, umbella multinodiata decomposita, spicis 2—5 aggregato-umbellulatis, saepius 10—12-floris oblongis angustis, latis subdistinctis, basi compressa alata, squamis ovalibus oblongis obtusiusculis, margine fere subdenticulatis fuscis, dorso obsolete 3-nerviis, achaemum triangularibus obtusis, squama dimidio brevior — Habitat in humidis Abyssinae propinqua Memsah

30 C GLAREOSUS Liebm Mexicoe Hahgraves p 16 + — Radice fibrosa, culmis caespitosis 2—4 pedibus longis inaequalibus glabris sternalis, basi foliatis, folus 1—2 pedibus culmum subaequantibus setaceo-linearibus complicatis, suis marginibus scabns, vaginis subpollicanibus rubescentibus, obovatis obliquis, umbella composita decomposita 6—16-radiata, radiis inaequalibus, longioribus 2—3-pollicanibus, uno fere medio sessili, apice 6—20-stachyis vel nonnumquam umbellulam 3—5-radiatam gerentibus, radiis paucissimis 1—2-pollicanibus, 1—2 intermedis sessilibus, apice 5—8-stachyis, ochreis oblique truncatis, ochreolis in laminam setaceam abeunibus, involucri 6—10 phyllo, plenis inaequalibus, longioribus umbella duplo longioribus*, 3—6-pollinibus setaceis canaliculatis, marginibus scabns, involucri 1—3-phyllis, phyllis umbellula brevioribus setaceis, Piculis fasciculato-congestis densiusculis linearibus compressis 10—20-

(Ions, squamis caninato - concavis elongatis emarginatis tiinei vns , nervis infra apicein squamac in mucronem leviter recurvum, sub lence apice biflorum quartum squamae partem Ion gum nbcuntibus, canni viridi, laicibus basin versus obscure aurantiis, margibus et apice flavescentibus, staminibus 2, filamentis cum squamis facile delatentibus icnibus, anihens minimis oblongis, canopsi obovato - oblonga apiculata tngona tuberculato - punctulata, pallide fusca vel flavescente, squama triplo brevior, stylo trillido, rachicola flexuosa compressa maigibus anguste hyalino-alata — Habitat in MEXICO orientalis regionibus subtropicis

- 31 C FALCICULOSUS Liebm 1 c 16 f — Rarissime fibrosa, culmis coespitosis 2—3-pollicariis compresso - tuqueiis glabris sinuatis, limbo nonoppositis, foliis in 1 mo subaequalibus vel brevioribus anguste linearibus planis cuneatis glabris, umbellulae operculatae 1—3-radiatae, laciniae inaequalibus 1—1 poll longis, intermedio spissis, apice polystochyis subsphaericis magnitudine laciniae Ribis nigri, involucro 2—3-phyllis imbricatis imbricatis, phyllis 3—4-phyllis, spiculis 16—25 fasciculato-capsularibus angustis linearibus compressis 3 in longis squarosis 12—18-floris, squamis longioribus linearibus nervis subuncinatis cuneatis mucrone longioribus feie squamis, canna fusca, lacinibus flavo - fuscis, maigibus pallidioribus, fagine uno, filamentis longis exsertis persistentibus, caryopsi elongato-obovata tngona apicalia luteo-hyalino-punctulata fusca, squama parum brevior (mucrone excepto), fillo longo exserto trillido, rachicola reclinata nodulosa leviter foveolata — Habitat in Mexico (Vim Crwi)
- 32 f CAMBIFORMIS Liebm 1 c p 20 f — Ligulifibrosus, rhizomibrevissimus, culmo sternalo ciclo 6—7-pollicariis compresso-tngono sirinlo glabro, basi foliato, foliis culmo brevioribus anguste linearibus, nupem versus margine scabris, vaginis brevibus membranaceis, obovatis - truncatis, capitulo solitario magnitudine *Cuasi avium* polj (20—30)-stachyis, involucro 7—8-phyllis longissimo, phyllis palato-reflexis, inferioribus 3—4-pollicariis, spiculis densissime congestis compressis ovatis flavo - albicantibus 14—16 - lions, squamis patulis cuneatis anguste cuneiformibus compressis, apice truncato-ictusis, lacinibus unguibus bisulcatis flavo-olbicantibus, stamine uno, anthera linearibus, caryopsi squama brevioribus anguste oblonga tngona acuta apicalia subtilissime granulata atrofusca, stylo exserto profunde trillido, rachicola compressa quadriquetra leviter flexuosa angustissime alata — Habitat in Granada, Costa Rica, Pitajaya
- 33 C FULVESCENS Liebm I c pag 22 f — Rhizomente repente stolonifero, culmo 1—1.5-pedali triquetra glabro striato, basi foliato, foliis culmo brevioribus planis rigidis sursum scobis, umbella sub-7-radiata, radius macqualibus, extensoribus 3 pollicem semipollicem longis, reliquis subsessilibus, apice subbifloris et remotiuscule 8—12-stachyis, involucro 5-phyllis, phyllis 2 inferioribus umbellula longioribus 3—4-pollicariis planis cuneatis, sursum moigme scabris, spiculis patentiissimis 9—6" longis compressiusculis 16—25-floris, basi bractea subululata suffultis, squamis imbricatis calinato-naviculatis compressis ovatis oblongis brevissime mucronulatis 7—9-neivus, canna fusco-virente, lacinibus foveo-fenugmatis, margine inegilanter tepando hyalino, stomibus 3, filamentis linearibus membranaceis, antheris fustis, caryopsi squama duplo brevioribus elongatis tngona apiculata glabra fusca, stylo caryopsin aequantibus, stigmatibus 3 longissimis exsertis; rachicola flexuosa hyalino-alata, alis involutis canopsm amplexantibus — In Mexico (Oaxaca)
- 34 C OBESUS Liebm I c 23 — Caespitosus culmis 1/2—2-pedalibus tngoms glabris striatis, basi foliatis, foliis culmo duplo brevioribus erectis rigidiusculis anguste linearibus antheraceo-acutatis canalicatis, nupem versus margine scabris; vaginis bipollicariis imbricatis glabris, umbella 5—8-radiata, radius inaequalibus, extensoribus 2 bipollicariis patentiissimis divaricatis, reliquis sessilibus; involucro 5—8-phyllis, phyllis inflato 5—9 poll longo, 3" lato piano cannao, intimis angustissime linearibus subsessilibus, spiculis elongato-cylindricis pollicariis digitum crassis, basi involucllo 2—3-

phyllo, phyllis sctaceis, leflexis, spiculis numerosissimis dense congestis patentissimis
 lellexisvo otato-linceolilis compicssjusculis 4—6-(Ions, basi bractea seiacea spicula
 bieioro sviTuhis, squamit oblongs caimalo-nuvculanbus oblusis, infra apicem mi-
 nuissiinc mucionaiis ll-nervns, canna lato vindi, lalenbus pallide fusco-stramineis
 dense ferrugineo-lincolaiis, squama mllma minore vacua, staminibusS, anlhenslinean-
 lius fli\esceniibus canopši ovata tuqueira upiculata niuda caatanea subtilissime gra-
 mihn, Inicnbus plains, squama duplo bievioie, siylo profunde 3-fldo fusco, rhacheola
 bvalino-alaia — Habitat in Mexico (Hacienda de Mnador)

15 0 DISCIGCRUS Liebm 1 c p 24 f— Culmo subpedah irigono glabio stnato, folns
 culmo hrevionbus linennbus, margine et orina scabns, umbella 7—ll-iadi«nta, radns
 •niequalihus, exicrionbus I'/a-pollicauhus palulis apice poly- (35—50)-slachyis, ochreis
 brevibus opicuhtis, mvolucio 7—9-pinHo radns multotiestlongiore, phjllis palulis
 plnnis nervosis senbua 7—9^xpoll longis, spicis oblongo-tylindncis, spiculis dense con-
 geslia divnncois reflexisve linenn-linceol ids 5 longis compressluscu/is 7—8-florJ«,
 basi broctoa subulain sutTtiliis, <Ikro dtpie»so rjhndilto in^ideaiibus, mox deciduis,
 <I/8cis ihacheos peislstentibus, squnmis elongilo ovniis curinaio-navicilaiibus compres-
 sis 9—11-neivns, nervo canali vindi in mucronem bi evissimuin excurrerie, lateribus
 llavo-fuscis, squamis 2 inflms minonbiis vacuis, siamimbus 2, carjopsi elhplica In-
 gona apiculoln gianulata fuso doiso convexa, laienbus subplams vel leviler concavis^
 squama VJ brevioie, shlo profundissime tufldo, rhhcheola fleiuosa alternalim bialaia,
 ilis byalims commventibus caijops/n amplecieniibus — Habitat in Mexico (Oaxaeo).

^ f SCRTULARFNUS Liebm 1 c p 25 f — Rhizonate crasso •tolonifero; culmo
 2'/_a-^3-pedali, basi foliato digitum minimum, sursum pennam ansennam crasso triqatro
 glnbro stuato, folus culmo brevionbus 5 " latis cannaiis plicato-nervosis, supiaqlabn^,
 &ubtus adnervos, carmam margines scabns, vaginis purpurascntibus glabns, umbella
 docomposita 10-radiata, tadiis inaequalibus, inteioiibus5sess]libu«, exterioubus 5 bi—
 scxpollicō/ibus erecta-patulis, umbellulis 3—5-radiatis, ladus sessilibus divancatis, ter-
 minah bipollican, lateralibus 1—1% poll longis polystachyis, involucro 10-phyllō, phyllis
 umbellam supeianle 3' lalis cannatis nervosis, mvolucellis 3—5-pbyllis, pbyllis
 leflexis angustis umbelluld brevioubus, ochreis V» — 1-pollicanbus compressis, apice
 bifldis, spiculis numeiosissimis in smcam elongaiam cylindncam dense congestis diver-
 gentibus, demum divaricatis, facile deciduis, «emipollicanbus compressis, lineanbus,
 uirmque acutis, 7—8-flons, basi br&clea acuta suffultis, squamis imbncalis parum
 squairosis cannato-naviculanbuf oblongis, infia apicem brevissime mucronatis, obsolete
 nervosis, canna fusco-vindi, laienbus fuscis, margine byalims, squama inflma mmuta
 obtusa vacua, stamimbus 3, filamentis peraiitentibus membranaceis hyalinis, caryopsi
 squama duplo brevioie elliptica opiculota tngonn, dorso convexa, la ten bus planis, casta-
 "ea nitida subtilissime ^ranulala, stylo profundo 3-fldo, rhachi communi post decasum
 sPicularum tuberculata, ihucheola membranacea liyalmo-alata, alia carjopsin amplecten-
 tibus — Habitat in Nicaragua.

37 c ANCEPS Liebm 1 c p 25 adnot f — Rhizomate obliquo tuberascente crasso
 flbns longis valNis insiructo, culmo pedali tnquelro stnato glabro, basi foliato, folus
 ^ulmum aequantibus rigidiuscuhs cannaiis, margiōe suisum scabns, vaginis 2—3-pol-
 Jcni lb us, basi rubescentibus, ore membi anaceo laxo truncatis, umbella simplici 8—10-
 r3diata, radiis extenonbus 5-pollicanbus sesquipollicanbusve, mlermedus sessilibus,
 a1»ce Poly - (22—28-) stachyis, ochreis 2—3' fuscis apiculatis, mrolucro 5—7-phyllō
 lo ngissuno, phyllis Infenonbus 6—8-poll, spiculis* in spicam po III car em laxo congestis
 Patentissimis demum divaricatis compressis ancipitibus lineaubus 5—6" longis 5-flons,
 b081 bractea seiacea 2—3" suffultis, squamis oblongis compressis, infra apicem bi e-
 vl ssime mucronatis 7—9-nerviis, canna viridi, lateribus ferrugmeis, inflma squama mi-
 nore vacua, staminibus 3, caryopsi lineari-elliptica trigona apiculata fusca subtilissime
 ?nfl? ulala, dorso convexo) la^nbu planis, squama V> brevioie, stylo caryopsi brevioie
 : 1(Jo) rhacheola fletuosa alata, alts membranaceis conniventibus subhyahnis. — Ha-
 bllot »n Cuba msula.

- 38 C BREVIRADIATUS Liebm I c 26 f — Culmo basi luberascenie 2—2',-pedali tn-gono ghbrosi siriato, basi foliato, folns, plerumque culmo brevionibus lineanbus planis cannalis nervosis 2—2%' laus, maigmc, canna utnque ncivis sublus scabus, vaginis oie mombranaceo truncito flaccis, umbelh 8—9-radiati, radns 2—4 extenonbus eieto-pitulis 'A—1—Va-polhciibus, reliquis sessilibus^apicc poly-(28—24-)stach\is, in\olucro longissimo 8—9-phjlllo **pl\ilia**, usque pedilibus pitulis planis cinnuiis nervosiSj margmc, canna noivi* scjbns, ochrcis brevibus compiessis, ore oblique tiuncilis spiculis in spicas velut tiuncatas 8—10 longn, pollicem et insuper hits congest is divoignlibus, demum icflexis gracilibus compiessis 8 longis 8—9-flous, bast br icioi sc tacci suflulns, squamis remotiusculis pa rum squarrosis compfesso-naviculanbus dliiico-oblongis obtusis, infra apiccm obtuse mucronulatis obsolete 7—9-ner\ns, canna \indi, hienbus pillule fuscis fcirugmco-lmeohtis, ulnma squama tn-bescntc neuin, infima minoie vacua, siaminibus 2, antbens oblongis fuscis, filamentis hnlms, car\opsi clongala 1 longi tugona apiculau dorso con\exa, latenbus dmbus planis, flavo-fusca granulaio-aspeiati, squama 'A brevioie, stvlo ad medium lllldo, ibathcoh* flexuosa bjalino-alula — Habitat in Mexico (Potrero de fonsoquiila)
- 39 C ALPIMJS I icbm 1 c p 27 f — Rhizomiie rcpcnte slolomfero, cnlms carspitosis subpodalibus compiesso - tnquctns ghbns sluatis basi foliatis, loins culmum subncqinnlibus longionbusve phms lincanbus nenosis ciuna margmibusque scatns, fofis novellis brrvibus phms cnsjformibus umbelh 5—8-icliili radns inaequilibus pnulis, intermediis sessilibus, extenonbus 2—4 poll longis apice poly-(15—2H-) siarbis, involucio 6—7-ph\llo umbellam superanie, pbyllis laic lineanbus 2/<i' ^us planis cumins nervosis, margimbus, canna utrinqic, nems supra scabus, ochrcis truncalis, spiculis in spicas composilis oblongo-cylmdncas 7?—1-pollicarcs dense congcsis, pilentissimis «?nbulatis compressiusculis 3—4" longis 4 floris, basi bialea subulata sulTuliis, squamis oblongis obtusis cannato-oaMCulanbus 11-» 13-neviis, infia apicem bieivissime mucronulatis, canna Miidi-lusca, latenbus fuscis auraniaco-punctulntis linoolaiisve, margimbus subhyalims, squamis infimis 2 minonbus vacuis, siaminibus 3, flhmentis persislenlibus plants membr^knaceis, anlbens oblongis, polline tetinCdro cnijopsi ellipiico-oblonga lugona ^ipiculaia mmutissime granu'ata fusca, squama S—V« birvioie, shlo profundissime tufldo exserto, rhachcola llexuosa alieinalim bnlin, lis hjalino-vmidibus sqinmac adnatis et cum ilia solubilibus — Habitat in montibus nliissimis (Cordillens) Mexicams (Puebia)
- 40 f r\JPHon\TUS Liebm 1 c p 28 f — Rlnzomate bulbo-tuberoso lotundiiio-\io, magmtudinc nucis Avellanae, vagmis flssis fuscis lumcato, culmo l'/*—1-rarius 2-pedali luquetro glabro stuato, basi foliato, folns 3—4 cjlmo bie\ionbus condupl'* cans caimans, mnrigne et canna scabus cornceis, umbella sub-6-iaiaia, radns inflftj qualibus, longionbus 1'A—2-iauus 3—4-pollicanbus, mtermediis sessihbus, apico **faf*** cicnlalo-spiculatis polj-(30—45-)stach^is, ochrcis compres<<is apicaus, involucio 5—^> pb}llo, phjllis mfenoubus umbellam ^—3-plo superantibus, supenonbus aequanlibu'i, spiculis basi hractea setacea ciliata 'A-pollican su/Tulus palulis lineanbus compressiuf'oulis 6—8" longis laxiflous sub-10-floris, squamis patulis remotiusculis oblongis mMculau-coinpressis obtusis, infia apiccm obsolete mucronulalis 9-nervus fuscis, **tat**ginthus mcmbranaccis, squimis inlenoribu* nunoubus vacuis, stamimbus 3, **flamon** longissimis mcmbranaccis, canopsi clongata lugona apiculala castanea **minutissime** granulata, doisoconvexo, lateubusduobus plants, squama duplo bievioie, stjlo carj<os sin aequante, sligmaibus 3 longissimis, rhachcola alternatim compressa hjalino-ala — In Mexico (Poireio de Consoquiila)
- 41 C TRICFPS N ab E L.naen XIX 697 - Liebm 1 c 29.+ - Rhwoma repens **stolo**niferum, culmus tenuis ^/a-pedalis tnqueter, angulis scaberrimus (vix retrorsum **stolo**bernmus) stnatus basi folintus, folia culmo bieviora angustie ljneana cannata, pi

superiore margine carinaeque scabra; capitulum compositum oblongum lobatum e 3—4 minoribus polysynchyis confertum, interdum radium bipollicatam apice cylindricum spicatum polystachyum emiliens; involucrium 3—5-phyllum, phyllis demum reflexis scabris, inferioribus 4—4½ poll, longis; spiculae densissime congestae pinnatifidae reflexae 3—4" longae compressiusculae laxiflorae 4—10-florae, basi hirtae setosae sulcatae; squamae pedicellulae late ovatae obtusae, infra apicem brevissime mucronatae (mucrone marginem squamae non attingente), carinali - noviculari 9-nervi, carina fusco-viridi, lateribus fuscis castaneo-juncatis, margine hyalino, squamae 2 inflatae minores vacuae; stamina 3; caryopsis obovata trigona apiculata subtilissimo granulata airo-casiana nilida; stylus trifidus, rhacheola flexuosa angustissime hyalina-alba. — *C. triceps* var. *mull. (Lor.)* N. ab E. — Habitat in Mexico.

42. *C. ASPKRHIMUS* Liebm. I. c. p. 30 f. — Tota planta, sc. culmus, folio involucrum undique pilis brevibus fragilibus hyalinis scabrida; rhizoma repens stoloniferum; culmo pedali triquetro strigato, basi 5—6-foliato; foliis culmo subaequantibus vel plerumque eo brevioribus rigidis carinatis striatis planis 1% lin. latis; umbella simplici 3—5-fldiata, radiis sessilibus divergentibus dense spicalis polystachyis; spicis compositis semipollicaribus, intermedia inferiore oblongo-cylindrica, lateralibus minoribus; involucrio 3—5-phylo, phyllis inaequalibus, inferioribus 2V_a—2-pollicaribus; spiculis patentissimis divaricatis elongatis compositis Joxillaris 5-floris, hirtae subulatae sulcatae; squamis pedicellulae late ovalis crinatis navicularibus obtusis, infra apicem breviter mucronatis, mucrone apice apiculato-ciliato, 7—9-nerviis, carina viridi, dorso ciliolato, lateribus fusco-castaneis, marginibus latis stramineo-nervatis; staminibus 3; caryopsi elongato-obovata trigona apicali subtilissime punctulata nitida pallide belvola, squama brevior; stylus trifidus; squama inflata spiculae, minor vacua; rhacheola flexuosa angustissima alba. — Habitat in Mexico (Potrero de Consoquitla).

C. multiflorus Liebm. I. c. p. 31. — Inflorescentia subcapitata e spicis compositis 3—4 capituliformibus congesta, radium unum alterumve 1—2-pollicarum apice emittente; spiculis 9—12-floris. — Habitat ad Mirador.

43. *C. DIPSAGEUS* Liebm. I. c. p. 31. f. — Rhizomate obliquo reponit nodoso praemorso stolonifero, stolonibus squamis lanceolatis nervosis brunneis dense obsitis; culmo 1%—2-pedali gracili triquetro glabro strigato, basi foliato; foliis angustis linearibus complicatis carina margineque scabris, culmo multo brevioribus; umbella 3—5-radiata, radiis inaequalibus, intermediis 2—3 sessilibus, reliquis pedunculo 1—1½-pollicari instructis, apice cylindrico-capitatis; involucrio longissimo 4—5-phylo, phyllo inflato pedali, reliquis multo brevioribus, anguste linearibus, carina margineque scaberrimis; ochreis brevibus compressis stramineis, apice truncatis, brevissime bicuspidatis; spicis numerosissimis imbricatis compressis 2—6-floris, basi bracteatis sulcatis, in capitula cylindrico-rotundata forma et magnitudine Mori alb. a e J. — 8" longa) densissime congestis; squamis squarrosis ovato-lanceolatis naviculari-crinatis, infra apicem longe cuspidatis, cuspidis squama 4-plo brevior scabra porum reflexa, 9-nerviis, carina viridi, lateribus stramineo-fuscis, marginibus pallidioribus; squamae bractea opposita minore vacua; staminibus 2, antheris oblongis fuscis; caryopsi obovata triquetra apiculata, lateribus concavis, nitida castanea subtilissimo granulata, squama 3-plo brevior; stylus longo ad medium trifidus fuscus; rhacheola flexuosa hyalina-alba. — Habitat in Mexico (Potrero de Consoquitla, Mirador).

44. *C. APICULATUS* Liebm. I. c. p. 32. f. — Rhizomate stolonifero; culmo 1%—2-pedali triquetro glabro striato, basi foliato; foliis culmo brevioribus anguste linearibus complicatis crinatis, sursum carina marginibusque scabris; inflorescentia capituliformis congesta e 8—4 capitulis subsphaericis magnitudinis Gerasi avium polystachyis confertis, squamis umbellatis 5-fldiatis, radiis 2 inferioribus sessilibus subconfluentibus subsphaerico-capitatis, 3 exterioribus divaricatis inaequalibus 1—2-pollicaribus apice capitato; involucrio 5—6-phylo, phyllis deflexis inaequalibus carinatis, carina mar-

ginibusque scabris, inferioribus 6—8-pollicaribus; spiculis densissime conferlis, inferioribus bractea setacea scabra spiculam superante suffultis, compressiusculis 5—6-floris patentissimis, detrum reflexis; squamis patulis late ovalis obtusis carinalo-navicularibus, infra apicem longe mucronatis, mucrone denticulato parum recurvo quarteri squamae partem longo, 9—11-nerviis, carina viridi, lateribus castaneo-fuscis, marginibus pallidioribus; staminibus 3, filamentis tenuibus hyalinis, antheris oblongis fuscis; caryopsi obovata trigona obtusa apiculata subtilissime granulata, squama vix V_4 brevior, nigricante nitida; rhacheola flexuosa angustissime hyalino-alata. — Habitat in Mexico (ad S. Antonio de Hualusco).

45. *C. SGHWEINTZII* Torr. (ubi?) ex A. Gray, Manual of the bot. of the North. Unit. States 518. — Culmo ad angulos hirsuto 1—2-pedali; umbella simplici 4—8-radialia, spicis paucis vel plurimis ad partem superiorem radiorum clongalorum aggregatis erectis linearilanceolatis, laxiuscule 6—9-floris; bractea setacea ad basin uniuscujusque; squamis ovatis multinerviis subulato-apicalibus aavescenti-virescentibus, nucula ovata vix longioribus; rhacheos nodis anguste alatis. — Habitat in America boreali locis arenosis (ad lacum Ontario).

46. *C. GRAYI* Torr. (ubi?) ex A. Gray I. c. — Culmo ad basin tuberifero 8—12-pollicari; foliis subselaccis; umbella simplici 4—6-radialia erectiuscula; spicis 5—10 in capitulum laxum aggregatis patentibus linearilanceolatis compressiusculis 5—7-floris; rhacheos nodis albis; squamis ovatis obtusiusculis laxe imbricatis virescenti-casianeis; achaeonio obovato apiculato. — *C. mariscoides* var. *setifolius* A. Gray. — Habitat in America boreali (Mew Jersey, Rhode island).

47. **C. RIVULARIS* Torr. (ubi?) ex A. Gray I. c. 519. — *Mariscus rivularis* Vahl. — Kntli. Enumer. II. 121. no. 14. — *Kyllingia rivularis* Michx.

48. **G. RETROFRACTUS* Torr. (ubi?) ex A. Gray I. c. 519. — *Mariscus retrofractus* Vahl. — Kntli. I. c. 122. no. 17. — *Scirpus retrofractus* Linn.

* * * *Stylo irifulo; caryopsi Iriangulari; rhacheola articulata, articulis bialatis, alis caridagineis genitalia excipientibus. (Dichlidium JV. ab E.)*

49. *C. MACROCEPHALUS* Liebm. I. c. p. 33. f — Rhizomate crasso repente stolonifero; culmo 14—18-pollicari pennam anserinum crasso triquetro glabro striato, basi foliato; foliis 2—3 culmo longioribus (24—26 poll, longis, 3''' latis) trinerviis, undique supra, ad nervos solummodo subulis, enina marginibusque scabris; capitulo solitario terminali depresso globoso magnitudine seminis Juglandis regioe et spicis compositis numerosissimis dense conglobato; involucre sub-6-phylo longissimo (circa 20 poll, longo), phyllis dependentibus 3—5-nerviis scabris, phyllisque minoribus 8 vel pluribus 1—2-pollicaribus angustioribus subulatis paulis et vix punctis capituli prorumpentibus; spiculis per spica* compositis arce dispositis, linearibus subulatis 3—4''' longis 6—8-floris; squamis ovatis dense imbricatis concavis brevissime mucronatis obsolete 5—7-nerviis, dorso viridi, lateribus pallide fuscis, marginibus pallidis; staminibus 3; caryopsi elliptica trigona leviter curvata apiculata granulata fusca, dorso convexa, lateribus subplanis, squama subduplo brevior; stylo elongato, stigmate trifido; squama inflata minuta vacua; rhacheola flexuosa articulata, articulis brevibus subulatis excavalis bialatis, alis rotundatis albidis caryopsin excipientibus dimidioneque ejus partem amplectentibus. — Habitat in Mexico (regionibus orientali-littoralibus).

50. *C. RUFINUS* Liebm. I. c. p. 34. f — Culmo 1—2-pedali pennam ovalem crasso trigono glabro striato, basi foliato; foliis culmo longioribus late uncinatis, marginibus scabris; umbella composita 8—10-radialia, radiis inaequalibus patentissimis, exterioribus bipollicaribus; umbellulis 5—8-radialibus, radiolorum parte nudata vix ut*

mipollicari, apice spicato-polystachyis; involucro 8—10-phylo, phyllis late linearibus, ezierioribus loogissimis pedalibus et insuper 4—5" latis, margine nerfisque supra scRbris; ochreis coropressis 'A-poN-i to laminam lineari - lanceolatam semipollicnrem produclis; involucellis 3—5-phyllis, phyllis subpollicaribus setacois scabris; spiculis densissime congeslis pntentissim's divaricatisve subteretibus subulatis, basi bractea setacea suffultis, 5—6" longis 7—8-floris; squamis laxiuscule imbricatis oyalis obtusis concavis, infra opicem obsolete mucronulatis, leviter striatis, dorso viidi, lateribus rufesceniibus vel flavo-castaneis nitidis; staminibus 3; caryopsi eiserta obovata trigona apiculata, dorso convexa granulato-scabrida fusca; stylo longissimo iriflido; rhacheolae alis rotundalis connivenlibis % panes caryopseos amplectentibus ochraceis.— Squamae inflmae*2 majores obtusae vacuae. — Habitat in Mexico (Tehuacan Dalen).

51. C. CUB ANUS Liebm. 1. c. p. 34. ad. f. — Rhizomate repenlo crasso stolonifero; culmo 7—20-pollicari stricto rigido triquetro glabro striato, basi foliato et subbulboso; foliis culmo longioribus 4" latis planis carinalis nervosis, carina, marginibus et nervis supra scabris; umbella composite 7—8-radiata, radiis erecto-paten tibus, inlermediis 2 sub-sessilibus, caeteris 2—1-A-pollicaribus apice digitato-ramosis 1—Uk poll, longis latisque, rnmis 3—5-patulis subpollicaribus spicato-polystachyis, interinedio majori 20—28-stachyo, lateralibus Inlaoribus 15—20-stachyis; ochreis semipollicaribus obliquis acuminatis; involucro 7—8-phylo, phyllis inferioribus umbellam lonfe superantibus 8—10-pollicaribus late linearibus carinatis nervosis, carina marginibusque scabris, involucellis diphyllis, phyllis subpollicaribus; spiculis patenlissimis 8—10" longis, basi bractea subulata suffultis subteretibus Jquarrosls 8—16-floris; squajnf's patulis ovalls condv's obtusiusculis, infra opicem minulissime mucronulatis obsolete 4—5-nerviis, dorso vifidi, lateribus fusco-ochroceis, marginibus hyalinis; staminibus 3; caryopsi inclusa elliptico-obovnta npculaia leviter cdrvata, dorso oonvexa, minutissime granulna flavofusca; stylo triflido; rhacheola articulata, arliculis brevibus excavalis bialntis, alis ochraceis subcoriaceis oblique late lanceolalis eonniventibus caryopsin includentffrus. — Habitat in insula Cuba.
52. G. ST. CRUCIS Liebm. 1. c. p. 35. f. — Culmo 1 1/1-pedali penoam nnsnerinam crnsso triquetro glabro striato; foliis culmo longioribus ft" latis cfrinatis plicato-nervosis, utrinque ad nervos, carinam marginemque scabris, vaginis r\ibescentibus anlice tenuiter nierabranaceis; umbella decomposita 10—li-radiaia, radiis compressis ancipitibus 2—3-pollicaribus erecto-palulis, apice corymboso-umbellularis, radiis partialibus 5—8 nltcrnis, infimis semipollicari-pedunculalis simpllcibus patentissimis polysiachyis; involucro 10—11-phylo umbellam longe superante, phyllis late linearibus 4—5" lalis ltusi ampleclenlibus; ochreis pollicaribus ancipitibus, «pice profunde bifldft; oebreolis 2—3" longis npice bifldis; involucellis tot quot radii umbellularum, inflmis UpoUicacaribus sursum brevioribus patenlissimis-demum reflexis^ spiculis in spicetrlaxam subpollicarem dispositis remoliusculis divergentibus 6—9" longis linearibus teretiusculis 6—11-floris, basi bractea se*aceg suffultis, demum deciduis; squamis oblongo-ovatis obtusis concavis, infra npicem brevissime mucronulatis 7-iferviis, dorsi viridibus, lateribus fusco-stramineis ferrugineo-lineolntis; squama inflma minula vacua; staminibus 3; caryopsi oblonga trigona apiculata, dorso convexn, lateribrfs planis, fusca granulaia, valvulis rliacheolae arcie inclusa casque parum superanie; stylo longitudine carjopseos iriflido; fhaehi universal! post docasum spicularum bracteis^ JI squamis vncuis persistentibus obsila, rhacheola articulata, arliculis bialatis fovealts, alis subcoriaceis oblongis roiondaUs pallido stramineis. — Habitat in insula Stae. Crucis (Frederikstad).
53. C. GRANAQINUS Liebm, 1. c. p. 36. f.— (Pars superior tanlum descripta!)— Culmus trigonus'glaber oanoBm scriptoriam fere crassus; umbella decomposita 12-radiata, radiis 9 sessilibus^ 3 exterioribus bipollicaribus compresso-trigonis; umlullulis sub-5" radiatis, radiig DTevibus, iongtoribus^ vix semipollicaribus sub-3-ramosis, caeteris 8 iimP|WStoHte»o-poly-(30)-stachyis; involucro 12-phylo longissimo, phyllis

inflmis l'A-pedalibus" Jans canniis nervosis, nems ulinquecanna margineifue sca-
biis, involucellis 3-ph>llis umbellula bievionbu*, ochreis pollicarihus compressis
bicuspidalis, ochreolis 2—3 longis billdis Spiculae dneigenies div.iiitalaeve in
spit ii compositas subpollicemes congestae, 8—9 longie lineares subcompies&ac
aculac detiduae 13—liti-floiae, bnsi binuen minuta sulFullnt, squmnis oblon^is obuis>
toiiivoluus patnlis, jnfra apicem brc\i - muuonnlis dorso vmdibus, lateribus fusco-
>f'umiiLi> fnrugineo-linoolnlis squami inflm ^acui, sMmimbus 3, canopsi obo-
valo - oblonga trigona apiculatn leviircuivatatu exserta fuse a subtilitei granulaia, doiso
iomrx'1, stylo ad medium tufldo, lline lieoln aiticuhla fngili, alls obovaio - oblongis
othniccis — Habitat in Nova Granada

54 C OKHSTLDH Liebm 1 c p 36 f— Radice fibrosa, flbus longissimis pedalibus flbnl-
losis, culmo IVft-peddli basi tuberuscnte pennac ansennao tenuion tiiquelro glabro,
ha si foliato, foliis culmo bievionbus4 lotis caimans nenosis, maigme scabn», va-
gim? 2—3-pollicanbus glabris, basi lubescemibus, umbillo decomposita 12—14-radiata,
radns 8 eiccio-patuhs l/a—2 - polhcanbus compressu., caelens bievionbus sessili-
busvo, umbellulM cor\mbosis 5—8 - radians, radns bievibus 2—4 longis, longionbus
sub-3-raraosis, caelciis simphcritei spicato-pol) - (12—15-)sclaciji^ involucro 10-
jdiylo lonjissimo, phjl is lofcuonbus pedalibus 3 lain patulis, nnoluctllis 5-phjllis
titcio p Utnlibus umbellulam pi um supeiautibus, otliicissemipollicanbus bicuspid ms,
otbu olis 1 longis bidentnlis, spiuilis patenlis<>iinis subulalis 3—4 longis, 7—9-flous,
basi biaclea sdacei suffulus, bractea nifim \ spitulain aoquinlo, caeieus mulio bievio-
nbus, squamit oblon₀is obtusis mucionulutisT ICTVII^, doi-o vuulibus, ldknbu-> lusco-
straimntii lerrugmco - lineolatis, squimi iillma minuta obuisa vacua, siamimbus 3,
canop^i obovaio - oblonga apiculala ingona fu<>ci bubulioi gi inulaia exseita, dou>o
convexa, stylo 3-fldo, ihacheola uliculala alts oblongis m<mbianacois — Habilli ad
St. Giovanni in Nicaragua

55 G FOSbAnUM Liebm I c p 37 f— Radice fibrosa, lliizomale ciasso icpciito stolo-
nifeio, culmo l/2-pednli pennam gnllinaceam subtequante liigono glabio slmio, btsi
fohato, Joins culmo longionbus plams 1 ite Iimaubus 3—4 ' hti» cajimtis, sui^um
motgiuibus cannaque scqbrib^umbelta decompositi, pnnna 8— 10-ndnla COMIII-
bosi, ndns 5—b extenoubus macqualibus 2—3- poliicuibus itgidulis compitssu tu-
gonis)aieiiibus, umbellulis 5— 8-radialis tadiis dhirgentibus 1—l'A-pollicanbus hie
i) ic nno&is, u>que ad bism loro tcmote spitaio-polystachjis, mvolucio 3—10-plivllo,
phyllis pienciissimis hie linoubus, inkiionbui longibsimis (u>que ad 20-poll) 4'
hlis, involuctHis 5— 6 - ph\llis, pbyllis longitudinem umbellulac subacquaiiiibu!}, oculi-
n is semipollicaubus compressis in hnnmin s< mipollicaicin abcunlibus, oclncoli^
bifldis, spii uhs patentibMiriiis leinotiusculi^ angu^c lieueaiibus lorttnisculis. subulatis
4-5 lou,jia 6—8- flons, basi biactea sitacci sufTittIN, sqminis ndpic&se imbnceus
ioiua\is oblongis obtusissimis, brevis<imi mucionulalis >luui&, ba-si comolulis, doi&o
vnuli, lateribus fusco - sinmineis rtnugio/o - stnaus, maigimhu* lijalmo sciuisis,
suiiminibus 3, caryopsi cbovati trigona aptcuhti subtilissime gi&anulala ocbracon, alis
ibacheolae feie tola inclu&a, stylo tnfldo, ihncheoloe alis ublongis obtuse subraem-
bianaceis pallide Haxescenibus — Squamae iifimae Z spicuum minutao vrctae —
Hibitat in Mexico (ad Hacienda de St Cruz, Tehuantepec)

5b (FRAG I Lib 1 lebm I c p 38 f — Radice fibrosa, lliizomale di^itum uas&o lepontef
culmo ereclo biM lubeiasceute I¹/₂ pednli liigono slwMo glabio, bnsi folalo, loins
culmo longionbus cannuis plains ner\osib 2—3 hlis, supra ad nci\os, subtus cornia
m irgincque scabns, \nf,ini> 3—5 polliculnis* luhescenlilms ghbus, umbeUa dcom-
I osita UIII\CIX.ali coiymjONn 10- ladiata, ladns pilulis, infmoiibbs 5—7 longioubu^
usque ad 5 poll longis, lelquis subsessilibiib compusso - tugoni>, imolucio longis-
simo 10-pliylo, ulijHis usque ad longiludinem 2 perium aliingenubus late lmoanbas
(4 lais), ba&i cpnplacatis nervo&i<, subtus canna nevi&que nturgine scabns, ochdji
compressis V* - polhcanbus obliquis apice bifldis, umbellulis porym^fti 5 — 7 ad i

radff patulis longioribus 7i—% poll. Jongis sparse ramosis, roliquis sessilibus; involuclhs 5—7-phyllis, phyllis umbeljulns subaequanlibus vel longioribus; ocbreolis 1—2" longis compressis apiece bffldis; apiculis nuroerosis (12—18) approximalis pntu- lit 7—10" longuocompressiusculis 10—12-floris, basi braclea sciarn suffuliU; squa- mis oblongis concnvis obtu&is, infra, apicem brevissime roucronulnfis, (mucrone obuiso apirem qqamao vix auingenic) obsolete nervosis; dorso fusco - vircnlibus, laleribns fusco - slmraineis, inflma minore vacua; staminibus 3 exsertis, (llnmentis longissimis meinbrnaceis hyalinis, anthori? ovnlis; caryopsi parum exserin elongnla irigona npi- catn, lateribus anticis >lnnis, dorso convexo, castanea sublilirsime punctulalo-stiinln; stjlo Jonge tnflido; rhacheola articulnto fragillitnn, articulisf.iollimo secedentibus bre- Yibus obovalis excavatls, bivalvis fusc (?), vnlvis roiundaiis conniu-nlibus. — Habitai in Mexico (Vera Cruz),

*** *Papyrus* Thouars. — Alis rhacheolae deciduis.

57. c. MEXICANUS Liebm. Mexico Halvgraes pag. 39. f — Gulmó tripednli et insu- por basi digiium minimum grasso trigono glnbro siriato, basi folialo; foliis culraum vix acquaniibus complitfljs margine sciibris; umbella supradeoomposilo aroplissiina patonljssima, uqjveisoli -circiter JO-radium, radiis 6—11-pollicnribus conjpres^o-lrjgo- nis, amice acuiangulis, poJtfcce convezis; umbellulis 5—6 - radian's, radii* 3—5 poll, pa- lulú paóiculato - ramjosis, ramis cacemoso - spicatis polystachjis; involuero ciro. 10- pbjlo, phyllis infcri9iibus 18 poll, longis, 3—5" lat'is scabrfs; involuceUis 2—3- phydis, phyllis radiis brevioribus; ochreis l'/t-p'oiliqaribus, basi coroptessls, aplice bi- pnriilis; spiculis hoi izouialibua divaricalisve flexuosis, bractea lanceolãia 2" longa suf- fullia nngusie Imcajibus compressis acutis 7—9" longis multi- (45—55) - florid *, squa- mis ilisicbis densissime imbricatis cariaato - navicularibus compressis ovalis oblu&is vel breussime mucronaiis obsolete 9-nerviis, nervo carinali.viridi, ijorso cananeo, Iciieribus albido - liyaluis membranaceis, d em um deciduis; staminibus 3; taryopsi x>vali ingona fusca subtilissimu granulaia squama 3-plo brevior; stylo longissime fripar- tiio; lhacheola llxuosn, alis viridibus ulrinque ncu^s innceolatIB deciduis. — Habitat m Mexico ad St. Mnin Tlapucoyo.

t jipeoles YAlde dubl>9

58. P. PES AYIUM Uer(ol.Misc. bqt. YLIL lab. 3. llg. 1, (exSchlchull. Hot. Zing. MIL 709.) — **Calamo** tereli siriato, infome vaginnio subaphyllo; umbella deconipaslta mequa- liier multiradina oclirentaj invoUicro dipbyllo; locuslis ejtiguus lanccolãia 6-ilois digiuiio - subquaternis; squamis oblongis oblusis retusis, latenbus nanguineo- rubellis ~ Alabama.

t f Icones addendae.

- c. PIMCINUS Vahl. - Knlh^l.c. 14. no. 35. — *C. Nuttallii* Torf, Flor. of New York #1339. tab. 135.
- c. PONTANESH Knih. 1. c.J^DO. 8. r- BerioL 1. c tab. 4* flg/2.
- c. PHYNATOOTES MWnhr. — Knlh. 1. c 62. no. 165. — *C. repens* Ell. - Torr. i. c. MI. mb. 137.
- ^ STniGOSUS Unn. — Koth;^l. c. 87. no. 227. : T on. 1. c. 340. tab. 136.

II. MARIS'CUS Vahl.

(Knth. Enumer. II. 115. - Wlpts. Annal. I. 900.)

1. *M. POLYPHYLLUS* Stouzel rass. ex f. Richard, Tent. flor. Abyssin. II. 48\$. — Culmo erecto iriquetro semipedali aut pedali glabro; foliis plants, margine carinaeque scabris glaucis, culmum aequantibus aut superantibus; involucri foliis 4—6 linearibus acutissimis, nmlolla longioribus; umbelln 4—8-radiata, radiis angulatis uocialibus; spicis linearibus ueutis glabiis, mcemos simplices sessiles efformantibus, snepius uninoris; squamis lanceolatis. obtusis pallide viridibus, dorso trinerviis glabris; achaenio oblongo triquetro Inevi. — Habitat in Abyssinia circa Adoua.
2. *M. PROCERUS* A. Richard 1. c— Caudice ^orizonlnli .crasso-nodoso repente. subterraneo culinis 2—3-pednlibus erectis triangularibus; foliis lineari-lanceolatis acutis, margine retrorsum scaberrimis, culmo brevioribus; involncro 4—5-phylo longisslmo; umbella 6—10-radiala, tadiis longis inaequalibus; spicis allernis approximalis porlem radiorum superiorem occpnntibus et racemos simplices longe pedunculatos conslituehtibus, oblongo-lmearibus subulatis 1—2-floris; squamis colore intense caslneis oblongis acuiis multmerviis. — Habiat in Abyssinae locis humidis prope Assai in regno Tjgrp.-
3. *M. RULBOCAULIS* Hochsl. mss. ex A. Richard 1. c. 490. — Culmo gracili 4—8 uncias n 1lo, bnsi incrassaio-bulboso ct vaginis laxis fibrillosis cincto triquetro; foliis lineari-bus nngustis, culmum aequantibus, margine retrorsum subscaberulis; involucri foliis 2—3 inaequalibus longis, basi dilntatis el vaginaeformibus; spicis aggregatis capitulum simplex pisiforme aut capitula 2—4 sessilia approximatn constituentibus; spicis obfln-gis acuiis subtriquetris unifloris; squamis ovali-oblongis acutis, dorso subcarinatis, latenbus tenuibus. — *Manscus plaleilema* Hochst. mss. — Habitat in Abyssinae colli-bus prope Enderder et Choata.
4. *N. HOCHSTKTTERI* Wlprs. mss. — Gulmis caespitosis 3—6 uncias nltis gracilibus triquetris, basi incrassato-bulbosis et vaginis laxis castancis fibrillosis vestitis; foliis linenribus angustissimis culmum nequantibus glabiis laevibus; involucro 2—3-pbjHoj, foliis has'i diintntis concavis, cnpitulum partim obtgentibus; spicis aggregato-rongesiis-cnpitulum simplex aut compositum sessile constituentibus, compressis oblongo-lanceoll-latis a*cuiis unilloris^T; squnmis oblongo-lanceolalis acuiis airopurpureis, dorso corinatis — *M. atrosanguineus* Hochsl. mss. el A. Richard I c. 490 (nee Liebm.) *— Habit«l, «L Abyssmine proMicia Semiene.
5. *M. SCHIMPERI* Hochst. mss. ex A. Richard I. c. 491. — Culmis caespitosis vix pedali-bus, saepms brevioribus triquelris, basi incrassaio-bulbosis; foliis linearibus angustis-simis glabris, margine retrorsum scaberulis, cqlpno longioribus; spicis om rpaal ^ lanceolatis 2—4-floris, spicas plures condensates efformantibus; squamis exteriori^i binis vacuis lnalnis, caeteris ovali-oblongis, acuiis sut subobtusis, dorso carin-^h mullinerviis subpurpurascensibus, dorso viridibus; involucri foliis 3—4 linenribus, pnulisper dilatatis inaequilongis; achaenio obovali triquetro laevi, squama dimidio ^h viore. — Habitat in Abyssinae moole Selleuda et districtu Choata.
6. *M. ATROSANGUINEUS* Liebm. Mexico Halvgraes p. 40. (nee Hochst.) f - RbJto0 globoso-bulboso magnitudine Pisi sntivi fusco-nigraUt)icato; culma solliario < pollicari fliformi gracili triQuetro glabro strialo, basi jfliato; foliis 2—3 culmuA nequantibus setaceis carinato-conduplicatis, margine sjB^briosculis. vaginis apica catis-<du8iia; capiulo solliario cylindrico-globoso mAiludinem pisi pa rum su- dense polystachyo; involucro diphylo rariu8 in — ^|£aphyllo, pbphyllis inaag

reflexis setaceis, margine dorsoque acabrils, infimjo 5—6-pollicari; spiculis densissime congestis pateniissimis, demum reflexis oblongis compressiusculisS-flons, basibractea atosanguitica brevi suffultis, (lore terminali tabescente; squama infman insequemi minore obtuso-truncata vacua, fariili late ovata compresso-carinaio-naviculari, infra apicem brevissime mucronulata 7—9-nervia, nervo carioali viridi-fjusco, lateribus purpureo-castaneis, margine apiceque dilution bus; atanrnfibus 9) caryopsi squam duplo brevior elliptica trigona apiculata glabra olivaceo-nigric.ante; stylo trifido; rhacheola nexuosa hyalino-alata. — Habitat in Gordilleris (summis tflpibus) Mciicanis.

7% M. (*Anomali*) ASPER Liebm. 1. c. p. 41. f — Culmo pedali el insuper (15-poU) triqueiro striato, toto asperrimo, basi foliato; foliis cuJmo brevioribus planis 5, nerviis, pagina sjipereiore unique, inferfore modo a<i nfcvos acabridis; umbella simplioi £—9-radiala, radii's plerigque sssilibus dense cylindraceo-spicatis subpollicaribus patulis, nonnullis breiiier ffedunculatis; in\olucro 8-phylo, phyllis inaequalibus patulis scabris, inferfonbus 3¹/_a poll, iongis; spiculis breyibus 2''' longis pateniissimis oblongis teretiusculis bifloris, basi bractea minuta subulata spicuia 3-plo brevior sulullis; squama inflma obtusa vacua, feriillhus ventricosoblpngia carinalo-navicularibus, apjce rotundatis, infra apicem brevissiof mucronulatis 11 - nerviis, nervo carinali viridi, Jateribus imprimis apicem el margte^ versus run's, basin versus paJJjdioribOs, ipso margine hyalinis; sjamioibus ^ > 4 mftm^ p^UMf membranaceis dilute fuscis; caryopsi oblonga trigonai apiculata. nifuf^ pB^ aii<fiwca, «4bama. V. — Vi bmiore; stylo 3-fldo; rhacheola alata, atfs Mnēr^ Jffl^ o-virentibus. — iftbitat in Mexico (Chioantlaj.

8. M. (*Ahomtli*) V\$ffckt%iiTQ8*Uehm. 1. c. p. 42. f — Gulmo Wpedaii ehtMori triqueiro glabro siriato, basi foliato; foliis cuJmum sobaBquanUbOs 9~4''^lati<<iar2n^BUs nervosis, utrinque ad nervos carinam marginejufi' scabris; umbella 10-radfata, radii's longioribus 4 tri — bipolKcaribus apice trtrndiosis, ramis divarica^s spjcato • polysiachyis diphyllis; spica intermedia 1—IVWotlicari, Iateralibi/s 9/i poll, lougjs, reliquis sessilibus simpliciter spicatis; involucro 9-phylo longissinio, phyllis inforfeiting 12—15-pollicaribus; ochreis in laminam 4—6''' continuatis; spiculis numerosissimis 3^' loogis pntentissimis demum reflexis unifloris'compressis, basi bractea setacea suffultis; squamis 3—4, inflma rainula vacua, altera fertili i'A''* l4Pga oblonga naviculari-carinata compressa mucronaia 11-nervia, nervo carinali viridi, lateribus pll?id? fusco-stramineis rufo-lineolalis, margine hyalfois, tertia quarta minoribus neulris; staminibqs 9, antheris linearibus obtusis fuscis; caryopsi elliptica^ trigona acuta fusca,sgoama plus duplo brevior; stylo exserto trifido. — "Habitat ad Costa rica.

J- M. (*Anomali*) PALLfNS Liebm. 1. c. p₃ 42. f — Culmo 6-8-pollicari triquet^o glabro striato, basi foliato; foljis culmo brevioribus angaste linearibus, stfperoe margine scabris; umbella 8-9-radiala, radlis inaequalibf's^ revibus, lixlerioiibus semlpg])i<;aiteus, apice spicato - poly - (30—38)-stachyls; ochreis brevi bus truncatis; involucro iB-pli^Uo, Phjllis roargine scabris, infenoribus 4—5 - poHicai-ibus; spiculis per spicas compositas oblnqgo - cylindricas dense cftngctis-, pafentissimis subterelibus subulais 2'A''' longis trifloris, flore terminali tabesceatfe, l>asi bracte* subulaia solTultis; squamis oblongis caiinato-navicularibuSj apice su^ barginalis, nervo carinali in mtwropulum perbrevev e'ccurrente, 11-nerviis, Iateritms sordide stramineis pallfdis; squama inflma minori va<^n; staminibus 3; caryopsi elliptioa trigona apiculata minutisjime granulata pallide fu<^sca, squama duplo brevior; rhaobeola Oeuxosa alata, abs hyalinis. — HabUat in Mexico (in distr. Oaxaca)/- *

10. M. (*Anomali*) AMBI<IUU^ Liehm. L c. p. 4S. + — Rhiomata repentejvculmo &^10-pol-J'cari ffiquetro glabro strfalo^kasi foyaroj folJis culmp%,eviōribus,angu8le linearibus, margine scabris; umbella ^^ radiala, radiis b^evissimis^subsesilibus, uno alterove semipollicari, apice o^^ri^spicato-poly-(1S--3ul-stachyiV, inyolucro 4-phylo, phyllis inferiorifiu^—3 - pWjcarfcs f spiculis patontisaioiis drvaritatisvo ?fc'' longis subjylindracois Moris, basi br#n br*^vsubulata, sbffullis; squamis carinato-oaviculari*

bus compressis lalo ovalis breviter mucronulatis obsolete nervosis, carino vin'di, loteribus flavo-fuscis, mnrghinibus hynlinis; staminibus 3; caryopsi ovata trigona apiculata glabra fuscis, squam. duplo brevioribus; stylo profundissime inflexo, rhachicola flexuosa hyalino-alata. — Habitat in Mexico (distr. Oaxaca).

II. M. (*Anomah*) LONGIRADIATUS Liobm. 1. c. p. 44. f — Culmo 1—2-pedali triquetro glabro striato, basi foliato; foliis culmum subaequantibus plantis, margine dorsoque scabris, umbello expansa 10—12 - radiata, radiis inaequalibus, exterionibus 5—9-pollicaribus, intermedia 3—4 subsessilibus, office poly- (c. 100-)stachyis; ochreae subpollicaribus ancipitibus, apice biaristatis, aristis 3—6" scabris; involucri 10-phyllis, phyllis inferioribus longis usque ad 16 poll, longis, 3" latis, planis nervosis, nervis supra, margine dorsoque subtus ciliato - scabris; spiculis per spicas compositas elongato - cyathicis - pollicares densissime congestis, palatissimis reflexisve 3 lin. longis subulatis compressiusculis 3-flois, basi bractea setacea sursum decrescente multifloris; squamis oblongis carinato - navicularibus emarginatis brevissime mucronulatis obsolete 9-nerviis, carina viridi, interius flavo-fuscis, squama, infima minori vacua; staminibus 3; caryopsi obovato - oblonga trigona inaequaliter apiculata castanea subtilissime granulata, squama brevioribus; stylo profunde 3-fido; rhachicola (flexuosa hyalino - alata. — *Cyperus llyrstflorus* Sclchtld. (ex p.) — Habitat in Mexico ad Mirador.

12 M. (*Anomah*) RAPHIOSTACTIUS Uebm. 1. c. p. 44. f — Rhizomale crasso tuberoso; culmo 18 poll, longo peritum gallinaceo crasso triquetro glabro, basi foliato; foliis culmum subaequantibus 4" latis carinatis nervosis, enervis et margine scabris, vaginis 2—3-pollicaribus submembranaceis; umbella composita 12-radiata, radiis 7 usque sesquipollicaribus et minoribus compressis trigonis, reliquis sessilibus - umbellulis 8-radialis, radiis brevissimis 2—3" apice spicalo - polystachyis; involucri 10-phyllis umbellam multo superante, phyllis inferioribus subpedalibus 3—4" latis carinatis nervosis patulis basi conduplicatis, margine et supra ad nervos validiores scabris; involucri 8-phyllis umbellulam parum superantibus; ochreis radiorum tongiorum 6—9" longis compressis apice bicuspidatis; ochreolis totum pariem nudam radiolorum obtegimentibus apice bifidis; spiculis in spicas semipollicares dense congestis 1—1.5" longis patulis parum decurvalis subteretibus unifloris, basi bractea minuta lanceolata rufa suffultis; squamis 3, infima minima vacua obtusa, alia fenili late ovata obtusa concava rufa, nervo carinali non excurrente, teretia nervosa; staminibus 3, antheris linearibus obtusis; caryopsi minutissima oblonga trigona fusca; stylo inflexo. — Habitat in Nicaragua.

jr Species Incomplete descripta.

13. M. AUREUS Horl. Misc. bot. VII. tab. 3. fig. 2. (ex Schlectdl. Bot. Zing. VHL 709.) — Glaber: calamo triquetro, foliis angustis linearibus longioribus; umbella inaequaliter radiata; involucri hexaphylli foliis aliis umbellam superantibus; spicis capitatis, centrali sessili; locustis subulatis trifloris fulvo - aureis. — Alabama.

IV, KYLLIHTCTIA *RttblL*

(Knlh. Enunutr. II. 427.)

1. K. MACBOCKPHALA A. Richard, Tentam. flor. Abyss. 11,491. — Annuis: culmo 1-pedali triquetro glabro; foliis linearibus acutis glabris fibrillatis, culmum subaequantibus, involucri 9 saepius 3, brevioribus patulis inaequilongis; capitulo ovato composito, ophiobolus confusus formato; spiculis numerosissimis conopsea lanceolatis 4—5 - floris; squamis pallidis oblongo - ovatis acutis glabris; i

- Tibus binis oxsertis; achaenio elliptico - oblongo lateraliter compresso. — Habitat in Abyssiniae locis argillosis convallis fluvii Tacazze juxta Tohelatchekanne.
- * K. VIRIDULA Hochst. mss. ex A. Richard I. c. 492. — Culmo simplici spithamaeo aut pedali gnucili triquetro glabro, basi vaginis I axis cum foliis vestit o; foliis linearibus marginatis acutis glabris, margine retrorsum scabrif, culmo brevioribus; involucri foliis saepius tibus patulis inaequilongis; capitulo -pisiformi sessili simplici; spicis confertis pallido viridibus oblongis ellipticis compressis, apice subnudo, dorso carinalis nervosis, tenuissime punctulatis; (!!) achaenio obovato - coippresso glabro. — Habitat in Abyssiniae montibus prope Tchela(chekaone).
3. K. CHLOROTROPIS Steudel mss. ex A. Richard I. c. 493. — Minima gracilis: culmo [4-uncial] erecto triquetro glabro, basi incrassato; foliis linearibus angustissimis acutis glabris, culmo saepius brevioribus, involucralibus saepius 3, basi latius; capitulo simplici aut composito minimo; spicis bilobis compressis; squamis fructiferis carinatis, apice acuminatis, striatis, carina viridi, lateribus purpurascens; chaeniis oblongis eniculaibus pallidis, apice apiculatis. — Habitat in Abyssiniae regno Tigre.
4. K. CRISTATA Knuth. 1. o. 136. no. 19. - A. Richard I. c. 493. - *K. denlata* Hochst. *toss*, in *Pl. exs. Abyss.* Sa < M. J. O. 1733.
5. K. NERYOSA Steudel *m. tk. Jfat* c/49. - Perennis: culmis basi incrassatis rectis spithamaeis triangularibus iugiter glabris, basi vaginit vetustis fibrillosis, colore castaneis obtectis; foliis angustis aequalibus glabris, culmo brevioribus 2-3 inaequilongis; capitulo sessili globoso pisiformi simplici; spicis compressis densis sessilibus binis; aquamis ovali-oblongis, apice longiuscule mucronatis, dorso carinalis, in lateribus nervosis, colore viridibus subobscuris purpurascens; chaeniis oblongis ellipticis compressis glabris laevibus. — habitat in Abyssiniae montosis provinciae Ghire.
- 6* K. PULCHELLA Knuth. 1. c. 137. no. 24. - A. Richard I. c. 494. - *K. atrosanguinea* Steudel, *Flora* (B. Z.) 1842. p. 598.
7. K. BRACHEILEMA Steudel ms. ex A. Richard I. c. 495. — Perennis: culmo erecto 4-unciali gracili nudo triquetro glabre; foliis linearibus acutissimis, vix culmum aequantibus, junioribus spinuloso-ciliatis, involucralibus saepius binis inaequilongis; capitulo pisiformi simplici; spicis confertis compressis oblongis; squamis intense purpureis oblongo - lanceolatis, apice longe mucronatis glabris substriatis. — Habitat in Abyssiniae provincia Semiene.
8. K. MICROCEPHALA *) Liebm. *Mexico* Halvgraes p. 46.f — Rhizomate horizontali repente crasso fusco; culmis dense caespitosis basi incrassatis 2-3 - pollicaribus angustis striatis glabris, basi 3-4-foliatis; foliis culmum subaequantibus erectis setaceis, trigonatis canaliculato-involutis glabris, vaginis forficatis striatis, ore truncatis, abrupte in laminam abeuntibus; capitulo unilobato - phaeo minuto magnitudine granum aequante; involucro 2-phylo, phyllo inferiori erecto culmum continuante 1-2-poll. longido, altero parvulo 1-poll. - pollicari; spiculis tergestis divergentibus unifloris; squamis 4 distiche imbricatis, 2 inferioribus minutissimis compressis ovatis obtusis castaneis, 2 superioribus florem hermaphroditi arete includentibus, compressis obovatis ovalibus muticis castaneo-fuscis, dense striatis glabris, carina fusca, lateribus sub lente ferrugineo-lineolatis; strobilus 3-nervis oblongis furcatis, filamentis brevibus hyalinis; caryopsi squamiformi inclusa obovata uigona laevi flavescens; stylo longo fusco profunde trifido. — In Mexico (Coljpa).

*) *teudokyllingia*: carjpa trifida, stylo trifido.

Tnbus II. *SCIRPEAE* Knlh. 1 c 139VI ELIAEOCHARIS *It Ht*

(Kmlt Enumer II 139 — Wlprs Anna) I 900)

- 1 I BARTOLIANA Nolan* Ind sern hort Genuens 1848 p 24 f — Spies terminal oblonga multiflor squam late ovata obtusa, margine sennosa, spicae ipsius basin semmplectente ohvillata glumis omnibus ferlibus late ovatis concavis, oblusis cosia viridi utnque stria rufescent? marginata exaralis, vix mucronulatis, margine scai IOSIS, siamimbus 2 stigmatibus 2, nucula obovata compjessiuscula, ambuu acutiuscula laevisissima, styli basi peistente cornea imicronata, pengymo hexamero, setulis aculeolis re*orsis scabris constante obxallata, culmis fliformibus dense caespitosus ijihyllis, radice fibrosa — Habitat in paludibus agn Novanensis
- 2 E ARENICOI A Ton mss ex Engelm Boston journ V 237 — Culm is subspilhamaeis compie&sis sulcatis e rlu/omite lepente praelongo, spicis ovatis obtusis multifloris, squamis i ufescenlibus membi anaceis oblisi?, margine scanosis, stjlo tnfldo, achaenio obovato compresso inangulalii opaco, tubeiculo distmcto rostrato acuto mullum majore, setas 6 tenus subexcedente — In republica Texensi
- 3 1 OLIVACCA forr mss (?) ex A Gray, Manual of the bot of the North Unit Staa-tes 522 — Culmis planiusculis sulcatis diffuse fasciculais in rhizomate gracili (mat- ted) 2—4- poljjonbus, spicis ovais aculiusculis 20—30-lions, squamis ovais obtu- sis JuxiuscuJe multiscnatim imbncalis, purpuieis, nervo medio \nenle, margmibus scanosio achaenio obovato obiuo, abrupte in tuberculum angusium lostrato, quom setae 6—8 subdimidio brevior — Habitat in America boreali (New Jeisey, Massa- chusets)
- 4 E ROS r* I LATA Ton mss (?) ex A Gray 1 c, 523 — Culmis planiusculis Jtriatio- \$>ulcais fliformibus eieciis 1— 2-pcdihbus, vagims transveise truncalis, spica ovoideo- lanceolata acuta 10—20-flora, equimis ovais obtusis ngidulis pnllno fuscis, abcaenio glabro obovato-triangulari in tubeculum terminale confluens altenuato, selulis 4-^{ab} ovanum longitudine excedentibus — Habitat in America boieali (New York, Michigo^B Rhode island)
- 5 E COMPRESSA bullivant mss ex A Giav 1 c 523 - Culmis plants exinue ~~stratis~~ giacilibus erectis (sesquipedalihu*), spica ovalo-oblonga 20—30-flora, squamis ¹₁^{so} ceolato-o>atis acuii> saturate rubns, maigine apiceque late albo-pellucidis, apice W^{fl} dis, achaenio obovato-pjnformi obiuse inangulari obsoleteiue rugose^s iropi^s tuberculo pano comco apiculato, selisnullis ranusve smgula ludimentana — Co^{lm} ad rhizomata repentia fasciculata similmeam latj, exsiccati spiraliter contorti, ⁸P^{ca} 4 Im longs — Habitat in Aoienca boreali (Ohio)
- 6 h MH VNOC^RPA Toir mss (>) ex A Giay 1 c 523 — Culmis compressiuscirf* sulcatis fliformibus erectis 9—18 - pollicanbus spica cylindnco - ovoiden • oblong^{fl} crnssa obtusa dense multiflora, squamis lotundato-ovilis obtusissimis fuscis margin queKe scanosis achaenio glabro obovato-capitifoimi obtuse triangulan, loio <P^{ce} dilatito operculi instar a tuberculo piano - depresso apiculato, tuberculo ipso in >> in apiculum triangulare abrupte abeunte, sens 3—4 nucula bieviubus ^{ita} ^{bui} ~~land~~ peque obsoletis — Spica y₄—Va-pollicaris — Habitat in America boreali (Rhodeis Long island, Plymouth)
- ? E TRIF OSTATATA Torr mss (?) ex A Gray 1 c 524 — Culmis planinsculis ~~fliformibus~~ bus 1— 2-pedalibus, spicis cylindnco - oblongis dense naultiflons, squamis ~~ovais ob-~~

tusissimis ferrugineo-fuscis lateque scarloso-marginans, achnemo obovato inangulan, angulis incrassius prominulis minute verrucoso-rugosis, tubereulo brevi comco acuto coionaus, sens nulli« — Spicae 7a—*/ poll longae, l»A poll laiae acutiusculae — Habitat in Amenci boreail (New Jersey*«tc)

k ROBBINSII Ookes mss (?) ex A Giay 1 c 524 — CulAis flonfens exacte tnanguhribus ugidis erectis (8 - pollicanbus bipedalibusve) alusque stenlibus fasciculos culmorum abortivorum folnformium in aqua fluitantium profei entibus, vagina oblique ti uncata, spicis lanceolato-lineans vix culmo ipso lalions aculae squamis 5—9 - convolulo-vagmontibus lanceolate - obtusis scanoso-margmfttis, achaemo obtongo - obovato tnangulan minute reiiculato, sens sex ngidis deorsum barbali breviorc, tubereulo applanato subulato (?) apiculato — In America boreali (New Hampshire, Rhode island)

Vk CHAETOCYPGRUS *N ab t.*

(^N ab E Linnaea IX 289 - Wlpre Anna! I 901 - *FJaeochandts* sect 1 Knth Enumer. II 139)

1 ξ''_k (ELIFFIOCHARIS) > PYGMAEA Torr mss ex A Gray, Manual of the bot of the north Unit Staates 524 — Culmo setaceo compresso sulcato 1 - 2 - pollican, spica ovaia 3-8-nora, squamis ovatis virescentibus, supenore acutiuscula, achaemo ovoideo acute tnangalan glatfro nuldo, tubereulo pnro apiculato, setis plerumque fiuctum superantibus, interdum nullis - *Scirpus pustillus* Vahl? - Knth Enumer II 158 no 3? — *Chaetocypeius polymoiphus* N ab E ?*_N — In America boreali

2 CH NIVCUS Liebm Mexico? Halvgraes p 54 f — Planta annua caespitosa aphjlla culmis 4—6-pollicanbus *eticels quadnquetus stnatis pallide viridibus deorsum purpurascentibu9, basi vaginatis, vaginis angustis subpollicaribus hyalims tenuiter membranaceis, ore truncalis, spicula ovaia $\frac{1}{2}$ ' longo 6—7-floia, squamis bifams imbncalis sensim parum paiulis compressis ovatis oblusis, dorso ?ind»bus, laleiibus albidis (larius hie illic purpureo-punclulatis), margine hyalims, inflmis duabus subaequalibus caeteras msgnnudine non superannbus, stamimbus 3, anthers apiculads, carjopsi obovnta tn-gona, anguli» prominentibus, latenbus convexis stnolato -fancellatis, albescente apice depressiuscula lostro stylo triquetro fusco termimia stylo exserto 3-fldo fusco, sens 3 caryopsi parum brevionbus retrorsura hispida — Habitat in Nicaragua

3 CH URCEOLATUS Liebm I c f— Densissime caespitosa culmis 2—3 - polltanbus tenuissime capillaceis, basi tnquelris, vagina brevi 1—3 ' longa obliqua lubescente circumdatis, spicula ovata 8—11-squamtn, squamis subdistichis demum paiulis concivis carmatis elongato-ovatis obtusis, oarina lata vindi ante apicem dosinente, laten-^us zona fusco - sangmnea nolatis, margine albo - hyalims, selis nullis, stamimbus 3, fllamentis squama longionbus, anthers lineaqbus aculis fusto-hueis, caryopsi urceolato-obovata tngona apice tiuncata minuinssime apiculata fusco-lulea laevi, stylo ad medium tnfldo facile deciduo basi non ampliato — Habitat in Mexico (Mirador, Po-^lero de Consoquitlo)

Vlb liintifrocniioA *N. ab E*

(*Elaeochartdis* sect 3 *Limnochloa* Knth Enumer II 153 (nee *Ltmncham*)

1 / CALYFTRATA Liebm Mencos Hahgraes p 56 f— Caespitosa culmis 6-9-pollicanbus quadrangulis sulcatis **aphyllis**, bast vagmotis, vagihis •/»-! - pollicanbus, ore

obliquis apiculatis, spicula terminali ovata ohlu*a 2—2¹/_{''} imiltiflora, squamis multi-
fdrns imbcatis ovatis truncato - obtusis saepe cmargmatis concavis umnemis, circa
nei vum non excurrentiom slrainmeum incrassatis, latenbus membiantceis dilute feiru-
gineis, margine subhyalims, sinmimbus d" anlhens lmeanbus a<utis, caiyopsi ohoviita
biconvexa tiuncala striujmea sublilisMmp sluolato-cn celhta, lubeiculo caljprafoimi
tompieso fusco caryopsi lauoro caquo longiorc terminate, stylo profunde 3-fldo fusco
flbuloso, sens 5 carjopsm aequantibu? retroisiim cili.ms — Habitat in Nicaragua
(ad Segoviam)

- 2 L (ELAEOCHARIS) EQUISETOIDES Ton mss (>) ex A Gray, Manual of the bot
of the North Unit Staales 521 — Culmo teieti n doso - amculato, at iirulis nullis»
deuissatis (knotted as if jointed by mnny cioss paitiuons) bipediili, pennam anseiiriam
trasso, aclitiemo glabro lubeiculo conico-rostrato apiculalo spica pollican vel longion
— In America boreali (Michigan, Rhode island)

VII SCIRPUS R. Br.

(Knth Lnumer II 157 a 537 — Wlpis Annal I 901)

- 1 S(POLYCOLLUS Dc iNolnn^ Ann des sc natui (3 Sci) IX p 326 — Annu* ia-
ditt flbiosa muluculmi, culmis tenuibus tri ono-fliformibus (vi\ pollicaubu*), A agin is
mcmbianaceis lota feie iongitu line tectis, bisi Mibbuibiformibus, vaginis mhiiionbus
jph>lli!> squiimaeformibus, supreme longionbu* foliolum mucionifoimc vel Illifoimi-
elongaium exserentibus, spica solitina, spurie laieiali ovata obtusa pauciflora, invo-
lutio diphylo cincla, involucn foliolo infenore e basi dilaliu fliformi, culmo **ple-**
iunique longiorc, superior subspathaceo o\nto-hnceoljto concivo, neivo vjndi ex*
tunenie cuspidato, sqnmis ovatis oblusis concavo-cannatis membranaceis **pallidis**,
ncivo mucionaiis; slamimbus stigmatibusque in I) us. nucula obovato-tnquclra, iran<-
vorse nigosa nuda — Crescit in Aegjpto
- 2 SC ULIGINOSUS C Kocli, Lmnca XXI 620'f — Rcpens culmi frtiles rum sierili-
bu«» eiectis atquilongit> (ommixti, vaginae tenuissimc membianaceie aph\llae, sj)icul>e
ovato-oblongae paucilldfae, gluinao obiu^ac magnac «?piculani dimidiam fimplectente^s
setae hjpogynae nullne, stylus billdus longitudine inum slimunim — ficscit in P^{an}
liulosis pi ope Aitaban all 5000 ped in Onente scplentnonali
- 3 SC BRACIN CERAS Hochsl mss in A Richud, Tenl nor Abyss II 496 - **Caudice**
ic|enlr hon/ontali sibierumto culnuis eredis CM spitosis UMciibus, 4—8 pedes **altis**
niidis tnodibus, basi vngmis 1—2 acutis, oblique liuncalu. vcstitis glnbis **glaucis**;
spii is oxalibus aculis mibsessilibus el quas umbelldm decompos>ilam eflbrmantibu^i
biaclea pnrya con\olun acuta, culmo continun ad basin umbellne, spicarum IDUIU'
floiutum squama casianeis imbrualis o\dlibus nculi«, npicc apiculatis, mmgine tmUi
siiljinirgiis ciliolatis, doiso uninemi* subcaunatio, setis 6 plams apice tiuncali»»
achaemo lenticular! Inquetio glabro lae|i — Habitat in Abyssimae mis et paludil⁰⁸
propc Adoua
- 4 SC ONLYI A Graj, Dosion journ of nai lust V 238 adn a Minual of rtic b^{of}
o! lhc Noilh Unil Siaates 526 — Culmo tuangulan-alato, fotiebus eximie excav>»ⁿⁱ
ig (2—7-pediilibus), \igira supnoic folium bre^e tunngulaie \d null **gacca** *
spic 6—12 dense capitais ovoideis obtusis folio imoluciali basi supeiatis, **squamis**
oibiculanbus glnbns, apiculo inconspicuo mucronato quam apex scanosus bie^ore (N);
amheri«> npiculo bie|i>!>inio obtuso barbato superaiis, stylo bifl<lo, sens sex, **acha-**
mum obovatum plano-con\exum mucronaium \i\ aequantibus — Afflnis **Sc tri**
— Habitat in Amenca boreali (Rhode island, New Jcisey etc)

- 5 Sr TORREYI Olney mss ex A Grav I c 526 - Culmo triangnhti, faciobus conca-
ve, ffiacilljus biprdaiibus, ad basin foliosis, folns 2—3 cnlmum dimidium snhsupe-
iiniibiif tngulalii-canaliculntis grncilibiii, spicis 1—4 ovato-oblongis acutis dutmctis
sessilibus, folio inluciali gncih eieno longe supenus, squamis o\alis ghbns in-
tegris -udis mucionins sijlo irifldo, sens achaenium iniequaliici trnngulaie obova-
luni glalinrimum longe acumimtum superantibus — 5c *wiuionutwi* Prsh " — In
Ameuci boreali (New England, Michigan) ' .
- 6 Sf FLUVIATILIS A Graj 1 c 527 — Folns plams late Imcai ihus, scmipolhtem lalis
l>tioubusvp s>er*im in acumen altenudtis, superiore involucralique longissimo umbtllam
composition longo excedentibus, ladu^ 5—9 elongalis lecuiva o - palentibns, capitula
1—5 ovata acuta oblongo-cjlindracea geientibus, achaenio oboviiio mule txdtleque
Uiangulan opaco con^picue ipiculalo, setas sex ngidas vix ntqmntc — V *mautimus*
var /Zwiafilit Torr — Culmus ngidissimus 3-4-pedalis, foln mmgine bispidn, in\o-
lucralia 3—7, maximum 1—2-ptddle Umbellae ladn pnmarii 3-4-pollicnes hasi va-
ffinati, capuula •/«—l'/i-pollicona T In Ameiica boreali ad margines iluviorum ma-
jorum (Michigan, New Yoik)

t loon addenda.

- SC DERILIS Mhinbrg — Knth J c 159 no 9. — Torr F101> of New York II 352 †
tab 139

VIII ERIOPHORrM *Linn.*

(Knth Enumei II 176)

- 1 'L ALPNUM L — Kutli I c no 1 — Ton Floi ol New Yoik II 357 mb 140
2. 'L VAGINATUM L - Knth I c 177 no 2 - Torr I c 358 lab 141

IX FUIRE1TA *MbU*

(Knth himmu 1! 180 — ^Vlpis Aitnal I 901)

- 1 F NAN A A Richaid, Tenl flor Abyss II 497 — Annua pnSilla tulmo eretto 1—3-
unutili gntili subcapillan gUibro hevi, folns lineanbus anp>usli«, maigine denticulato-
scabus suhobtutis, culmo bievioubu^, spicis snopius buns, paivulis terminalibu> SPS-
Mlibus contiguus, JUVOIUCI i folns.1— 2 inaequalibus spicas supeiuntibus , squanns nu-
mnosis aicte imbnratis obovalibus oblusis longe acummalis, achnemo ellipsoideo-
oblongo obtuso lcictiu«culo , tenuissime «ulcato glabio, <squammis selisque nullis —
Hb Ht in Ions humidis juxfd pigum Kouaiela in Abjssmiao provincia Chi re

| ISOL.EPIS I | *Bi*

(Knth Enumei IM87 537 542 — Wlpis Ann I 902)

- 1 I SETIFOLJA A Richard Tenl Hoi Abyssin II 498 — PwniJa caeopitosa (ulims
ffiacilibus orettis i — 3- uncialibus, folns lineanbus snbulatis erectis, spica panula
ovouleo - oblonga obiusa simplio, squamis panulis arele imbnrcatis elhpticis oblusib

- glabns, stylo basi simplici, ilignntibus tiibus CXSPIIS, solis liypogymis nullis, achacnio obovtili truncato in quetro — *LUuochmis > monandia UocUsl* mss — Habitat in locis humidis convallis fluvii Tacazze in Abjssima.
- 2 I NIRVOSA Hochst mss ex A Richaid I c 499 — Pumila culmis gracilibus 1—3-uncialibus crecitis \oisus bisin monophyllis, folio angustissimo plnmsculo apice subobtusio biobion, spica terminali ovato-oblongi ocuta paucifloia nuda, squamis imbnotis ovilibus obtusis mucronatis, dorso valde canalis et vindibus, caeierum ati opujtuncis achunio (immaturo) in quetro — Habitat in Abjssimae provincia Semieno
- 3 I COSTATA Hochst mss ex A Richaid I c 499 — Culmis cncspilosis erectis aphyllis, Insi \agina truncata, hinc mucronata techs gracilibus, fcio pfdalibus, spicis parvulis 3—6 conglomeratis sessilibus laleralibus aiipurpuieis, involucro culmo continuo bievisimo sapius apice obtuso, squamis obovalibus oblusis, dorso obsolete stnatis, achaenio oblongo (immaturo) in quetro apice ^cuio — Habitat ad marginem in siagnorum in Abyssiniac provincia Ouodgerate
- 4 M PRAELONGATA N ob E — Kmh I c 199 no 38 — / *Senegallensis* Hochst mss ex A Richaid I c 500
- 5 I S (HIMPIRIANA) Hochst mss ex A Richaid I c 501 — Annua culmis caespitosis gracilibus eicctis spithamapis monophyllis, folio lineau-nngusto subpubenti, retrorsum mnigmi scabio, vagina pilosa, spicis 2—5 conglomerate terminalibus sessilibus ovideo-oblongis oblusis, involucro 3—4-phylo, foliis (excepto uno) squamaeformibus, apice innge mucronatis, squamis undique imbricatis late ovalibus oblusis atropurpureis subsobns, doiso canalis, carina alba apice mucronata, stjlo basi subinllato, stigmibus tribus achaenio obmalo in quatio, \ix apiculato, basi sensim anguslato sinalo — Habitat in ^rus Poac Abyssinirne piope Adoua
- 6 I ABCOLIPIS A Richaid I c p 501 — Culmo eiccto giavli 1 unciam ad 1 pedem alto, obsolete luquetio glabio, foliis lincoibus angustissimis acutis glabns, culmo mullo bicvionibus palli lis glaucis, involucralibus 3—4 dependentibus brevionibus inaequilongis, capitulo pisiformi simplici globoso-depresso, squamis extenonibus vacuis lahonibus icuimnatis, squamis undique imbricatis angustis crassis, apice longissime acummalosubulalis, omnibus flonfpris, stamine unico, ovauo obovato trigono, snlo basi paulisper incrassilo, npice in stigmata 3 subulali diviso, sous squamulisque hypogynis nullis, achacnio triquetro » — *Kyllingta enocauloides* Steudel, Flora (B Z) 1812 p 597 — *scolopn enocauloides* G N abL — Habitat in Abyssinia valleculis provinciae Chire
- 7 J KYI LLNGIOLDS A Ritbaid I c p 50 f - Peicnms culmo eiccto gracili 5—8 unews dlto tiquttio dldbio, foln^ lincanbus angustis acutis, culmum aequantibus aul supei utihus, vcisus parlm supenoicm subspmuloso-ciliatis, involucralibus 2—3, basi dihlalis pntuhs nrelexis capitulo terminali pifoimi parvulo, colore pnllulo, squamis undique imbricatis ovni-iruminatis, dorso umnoivns ghus, flonbus hcimaphrodilis, ovano globoso triqiiplio, stigmatibus 3 subulali oxsetia, stylo basi simplici, stamibus tibus, sens squamulisquo nullis, acbaemo oblongo tuquetio glabro, tpeice acuto — *Kyllingm mwocphala* Sicudel mss — Habitat in locis humidis Abyssiniae prov Chire
- 8 I POLYPHYLLA A Richaid I t 503 f - Peicnms nna culmis folnsque caespitosis, cidfl^ erecto 2—3 unrnli in quelio, foliis numerosis lineanbus angustissimis mir^me retrorsum dontirulito - »cabns, culmo longioribus, involucralibus 3—4 similibus inaequilongis, capitulo minimo globoso; squamis undique imbricatis eieclis plants ovalibus, apice abrupte ct longe acummatis, achaenio obovaio acuminato grisoo, squama mullo bievioie. — Habitat in Abyssiniae locis herbosis plniffiei moniosoo Chuo

- 9 I FAESPITULA Liebm Mexios Halvgrasp 49 t - Dense caespitosa radice fibrosa, culmis capillaceis $1\frac{1}{2}$ —2-pollicibus teretibus striatis glabris, basi 1-foliatis, folis villosis brevibus setaceis involuvis erectis glabris, vaginis in scirpoidibus deorsum rubentibus, capitulis 2 vel singulis, unilateralibus minutis glabris Cannabaeo aequantibus ovatis obtusis, involucrio diphylo, perispermio inferius culmum continuantibus ueris seicis $\frac{1}{2}$ —1 poll. longo, altero minuto 1—3 poll. longo interdum evanescente, squamis obovato-lanceolatis abrupte acutatis, nervo medio virescente, lateribus sursum fusco-sanguineis ferrugineo-lineolatis, deorsum pallidioribus, staminibus 1, anthera ovali, filamento membranaceo humo calyptro longiore, caryopsi elongato-obovato apiculato basin versus attenuato obliquo trigono flavo-lusca granulato asperata, stylo bifido, lacinis reflexis — Habitat in Mexico (Muador, Consoquillo).

XII. FIMBRISTYMS Vahl.

(Kunth Enumer II 220)

- 1 F LOMENTOCARPA Hochst mss ex A Richard, Tenl flor Abyss U 504 — Culmo erecto obtuse triquetro, pedali et ultra, foliis linearibus angustis glabris, retrorsum scabris, culmo brevibus, umbella simpliciter pauciradiata, spicis ovoideis obtusis sat grossis, quibuslibet centralibus subsessilibus, caetens pedunculatis, involucrio foliis simplicibus 4, quorum 2 brevissimis et 2 umbellam superantibus, squamis arete imbricatis hinc ovalibus, infra apicem breviter apiculatis, colore castaneo, in parte superiore liberis puberulis, in inferiore oblonga glabris, notho squamis multo brevibus linearibus obovatis, apice brevissime apiculatis, facie interna plano-concavis, externa convexis pallidis glabris laevibus — Habitat in Abyssinia secus uros ad radices montium prope Sabra
- 2 F OLIGOSTACHYS Hochst tms ex A Richard 1 c 503 — Aemula caespitosa culmo «recto gracili, 2—8 uncias alto glabro striato laevi, foliis linearibus angustissimis subulatis, culmo brevibus, spicis 1—2 sessilibus, ut 1—2 breviter pedunculatis conglomeratis ovoideo-acutis, involucrio monophyllo longioribus, squamis undique imbricatis ovalibus obtusis, dorso laevibus, canna vix apice in acumen longum desinens, lateribus ferrugineis scaberulis, staminibus tribus, stigmalibus 3; achaenio immaturo depresso triquetro glabro — Habitat in Abyssiniae provincia Chire.
- 3 F COLCOTRICHIA Hochst mss ex A Richard 1 c — Pusilla annua caespitosa culmo erecto gracili 2—5 uncias alto foliis linearibus subulatis ciliatis pilosis, retrorsum simplicibus, vaginis pilis longis mollibus obsitis, umbella teretibus decomposita, radiis simplicibus apice monostachyis, involucrio foliis 2—3 inaequalibus, basi (in laevi semiamplius) longioribus el longe pilosis, spicis ovoideis compitis, bifidius pedicellatis, pedicello basi involucrio, involucrio e foliis squamiformibus subulatis, basi longe ciliatis constanti, squamis nunculatibus valde convexis canalicatis, margine tenuissime ciliatis, ceteris subscaberulis, colore pallido-ferrugineo, antheris triquetris brevibus umbonatis, tanquam punctatis glabris — Habitat secus torrentes et rivulos, in Abyssiniae pluviale montosa jirovinijne Chire
- 4 F PUSILLA A Hochst mss ex A Richard 1 c p 50b - Annua pusilla caespitosa
 *culmo gracili lore capillata 1—3 uncias alto, obsolete inaequalibus glabris, foliis angustissimis linearibus quasi subulatis glabris lineariibus, spica lemmali solitana, aut
⁸Picis 2, quarum una sessilibus, altera pedicellata elongata, biatka apice subulata basi aufula, squamis ovalibus lanceolatis acuis laevibus, carina vix, subtrineis, lateribus pallidis ferrugineis, achaenio immo oblongo inaequalibus granulato - Habitat in Abyssiniae locis humidis circa Adoua

- 5 F SETIFOI I A. A Richard 1 c 507 — Peiennis \alde caespuaosa culmo erecto gracili pedali slnaio scihcinino, foliis lincanbus couvoluiis setaceis scabris ciliaris, culmo bievionbus, spins pluibus 5—b, subsessilibus conglomerate terminalibus imolucro nullo, bquimis undique imbncatis ovalibus obtusis, margine subflmbnalis purpurers, dor^o uninervns subscabns, stigmalibus mbus, acnemo (immaiuro) inquelio — Hd-biaal in Abjssinae momosis provinciae Ouodgei Ue
- b F MURK A TV finih msj» ex Ilookoi, Niger Floia 55* f —* Culmi* caespitosjs 5—6-anguldiibife glabns, bnsi foliaus, fols> linearibus plams ngidulis culmo bievionbus, umbelh niegulaiiei decomi osita paucnadiala, involucro brevi spicis ovnto - lanceohtis icutis, centialibus be^silibus, squamis cai walla ovatis aculis mucionulalis fuscscenlibu* lunerviis glabris miulis, stylo trifido, aclmmo siramineo-albido, undique tubciculoso-munculalo — Crescil in Africa iropica occidentalali

III^a OIVCOSTYIJIS *Man*

(Mail (ubi') ex A Giay, Manual of the bot of the North Unit Staates p 530 — Liebm. Mexico* Ildlvgties p 51 — N ab C Cjperac Brasil 8b — *Fimbi islyllis* spec Knth)

Stilus tnfiiaus giaLilis, bulbus parvus (!ⁿ) basi nia^is minusve pei-sibtens in apiu achaenn (^M) Lnan^ulaiib Rehqua *funbrtotyltUu*.

- 1 '0 TLNU1FOLIA Liebm Mexicos Hdlygraes 51 f — *Jsohpis ctipillmu* R Be Schiult — Knth Lnumei II 211 no 77 — *Imbristylis capillans* A Giay, Manual of the botany of the North Unit Slaaie* p 53U — *Sciipus Icnuifohui*, Rdge Guian 18 lib 22
vti *hnta* Litbm 1 c 52 f — Plnnta minor (4—7-polhcais), iota huta umbclla simplici paucnadiata, radns bievionbus — Habitat in Mexico (Huimalco)
vnr *nana* Liobm 1 c 52 f — Plants pusilla 1—iy₂-pollicai i» dense caespuaosa spicuh smguh vel duabus congeslis unihtealibus, mvolucio diphjlllo, altero erecto 3 , t basi uitmbianacca fuse a in Inmnm bre\em viulom ulininm ntienuaio, altcio bquamacfoimi spicula bievioic Habiius pcculians et lacile pro specie dislincta habendi — Habildt in Mexico (Mineial del monte)
- 2 0 IHbl'IDA Liebm 1 c 52 f — Dense cje<pitosa, lota hispida culnns 6—13-pollincibus flifoimibub trigoms stnatis, basi densissime foliaais, foliis dimidiam vel V>culiui longituclmtm nliingpiilibus setaceis ereclis, supia canaliculalis, biibtus acutangulis, droisum in lagiims .mgusns rufas, ore barbatn sensim ibeunhbus, capilulo teiminali solitano vel binis, alleio laterali pedunculalo, pedunculo 2—3 longo palulo - erecto opitulum prim.inum suptranle, involucro 2—'3-phylllo capilulo longiore, mQmo V>' pollKan seincLO-eiecio, opiculis 3—5 dense congestis otali& 2 longis tuspns 9—Hsqmni**, sqimnis late ovans alle cannatis concwis longe Inucrooalis fu&cis, extus ndpiesse pubeiuh maigine cihalil, mucione'scnbro, stamimbus 3, carjopsi obotata lu^ona, latnbus tonvexis, olivaceo-lusca, apice drpiessa uilida subililissimc punctuln¹³! luberculo minulo dopiea^o, stjlo deciduo piofunde infldo — Habitat in Mexico (Mnadoi)
- 3 0 PAUCIFLORA Liebm 1 c 53 + — Caospiiosa culmi!> selifoimibus quadnquetna stiiatis scabris subpedahbus, foliis culmo brevioubus selactis. eipetis pungentibus seqbus, vagims mimbranaceis comprebSis siriaus stiammeis, ore pilo^o-barbatis, spicu> solitana unilaieiali se^sili 3—4' iongd ovalo-lanceoldln compiessiuscula pauciflor>> mvolucio diphyllo, uno culmum conlinuante setaceo ¹/₂—²/₃ poll longo, alteio spicu> breviorc basi squnmaclomi, squamis instichis imbiicalis compies>sis olongato-lanceolat¹³ 2 longis bievij,Mmc mucionulaiis* unineivus, dorso aculo atro -castcmeo scabr^

uirinsecus villa alba limbalis, viuisque ante apicem desinentibus, lateribus pallidius fuscis, margine subhyalinis; laminibus 3, filamentis membranaceis hyalinis; caryopsi obovato irigona obliqua nigro - tuberculata transversim undulato-rugulosa lutescente; stylo caryopsin subaequante apice trifido. — Habitat in Mexico (ad St. Croix).

Tribus III. *HYPOLYTREAE* N. ab E. — Kntli. 1. c. 265.

XVII MPOCAftPHA *R. fir.*

(Kntli. tnummer. II. 266.)

1. L. MEXICANA Liebm. Mexico Halvgraes p. 47. f — Caespitosa: radice fibrosa; culmis 5—9-pollicaribus, trigonis sulcatis glabris, basi foliatis; foliis culmo brevioribus setiicis involuvis glabris, vaginis subpollicaribus dorsum rubentibus; cernitibus 3—4 congestis divergentibus concavo-ovatis obliquis 2—3" longis; involucrio diphylo, phyllis reflexis setaceis inaequalibus basi latioribus subvaginatis, inferiore bipollicari, a Hero brevioribus; squamis communibus subulatis acutis sub-5-nerviis, nervo medio valido viridibus, lateribus nigro-fusco-sanguineis, deorsum dilute fuscis; perianthio volvia oblongis convolutis, exteriori 7-nervio; stamine uno, anthera oblonga flava; caryopsi oblonga apiculata obsolete irigona fusca subtilissime punctulata; stylo trifido. — Habitat in Mexico (Coahuila, Mirador).

XX HYPOPHYTRIA *Rich.*

(Kntli. Enumer. II. 269. — Wlprs. Annal. f. 903.)

1. NICAHAGUENSE Liebm. Mexico Halvgraes p. 47. f — Planis 2 - 2% - pedalis: culmo tergono glabro, deorsum cinnamomeo, sursum stramineo, inferius villositate scabra 3-foliato; foliis basilicibus scabris bipedalibus linearibus inferioribus trinerviis, carina subtus prominente apicem versus fusco-scabra, nervis 2 lateralibus supra prominulis pletrumque glabris, rarius hic illic apicem versus fusco-scabra, rostrum fusco-serrulatis, vaginis clausis cinnamomeis rigidis; foliis caulinis 1-pedalis pollicem latis cuspidatis; foliis floralibus caulinis similibus, inferioribus pedalis, sursum brevioribus; corymbis decomposito 2 poll, longo, 3 poll, lato semiverticillato, secundariis patentissimis, inferius divaricatis pollicem longis, ternariis alternis paucis inferioribus semipollicaribus; ochreae scariosae oblique aperiens in laminam brevem continuatis 3" longis fuscis, ochroleis similibus aequantibus; bracteis ad basin ramorum inflorescentiae scariosis fuscis scabris; spiculis solitariis pedicellatis, pedicello 2", florentibus ovalis 2% longis, fructificantibus turbinalis 3" longis; squamis imbricatis concavis ovatis cum mucronulo uninerviis castaneis, inferius minoribus variis; squamulis 2 (perigonio) squamam aequantibus basi connatis compressis carinatis ovatis, carina sensim infra apicem ecurrente, obscure fuscis; laminibus 3; ovario lageniformi, medio ventrico, basi attenuato cylindrico, apice rostrato; stigmate bifido; caryopsi (maturis) cum rostro 1/2" longa biconvexa ovata sensim in rostrum attenuata, angulis parum prominulis, basi fusca nigro-punctata, rostrum compresso ochraceo punctato; rachis anversali parvibus saepe serratis. — Habitat ad Rio de San Juan de Nicaragua.

HI.

Tribus IV. *RHYNCHOSPORA* Knll. I. c. 274.

XXIIIa PS1LOCARYA Toney

(Toney in A. Gmy, Manual of the bot. of the Nonb Unit Siantes* 531)

Spicae ovoideae teretes nulliflorae, flonbus omnibus perfectis, ^quantitir imbricatae multiseiidles Penanthium nullum Stamina pleiuni- que p(mind Sljus bifidus Achaemum (?) bicon\exnm magis mmus\e Iransvor^e riiposum, (uberculo pei^istente slylne basi coionalum — Heibae (Boieali-Amencanae) perennes culmo folioso; spicis in CMUJS termniales axillaiesve diapositis.

- 1 Pb SfirPOIDI S Ton. mss ex A. Giay I (— Spicis ^0—30-iloIJ*, squanife oblongn-oviids ntuiis casianois, ion icriio (>') obsolele rugoso, stylo peisi^iente en>ifonni (Oionalu Insiqiic dicuncnle dihiila maigmato — Habitat locis inundatis (Rhode island, Mii2>sdUui<)>c(s) in Ameicn bou ill
- 2 PS MTAICAINA Lubin Mexico*! Halvgiaes pag 60 f — Culmo stricto eiecto iiiqurtio 2 1/2—3-pedill, loins IV₂ lans, basdñibus den&is, caulinis lemons, npulia caruiniis glabns, opite subluono pungentibus, vagims angusus, oie undo membranceis, coijnibis axillaiibus lenmalibusque paiulis, axillanbus miiioribu^ longe pednucultitis compositiis, podunculo 2—4-polhenri, leiiunali inajoie 3 poll longo supm* decompositiis, i ur<> IS-pUlicaiibus lumulis inknoiibus usque ad pollicem longis involucro 2—3-pbjllo corjnibum subatqunne, pbyllis margine cilialis, biactos bmtieoliMjje ad Insm i unoiiuu tamuloiuniqu coymbi setarei^ uliaais, oclirois bie\ibus nriembianau is oblique tiuncnlis, bpiculis I—5 fasticulalib subsessilibus lanceolate teietibiis> 3 Joign>, basi biattea minula pallida suffultis, squanns imbucatis 12—14, quaium inkioics 4 imuuiies vicuac ciueicae late ovaiae niutionalae cannaiae concavae, reliquae ftiles mnjoies mfac, inferiores lanteulalae aculae bic\iuis rncio-naiae cannaiae ururieivne, supoioies nonnullae vacuae, staminibus 3, Illainentis esserlis persisienlibus, sijlo slnminibus longiore u^que ad basin flssodenduo, canop>> brevilci stipilala obovato-lenticulari tians\oise undulalo-iugosa spiidiceo-mgia ni>^a> marline slipiltqur pallidiore, loslro carjopsi pniuin bievioic caPsio conipics>s>o louceolato obtuso, basi emaiiguato-bilobo in unigeneni caijupstos dtunente — ^a'' bitat in Mexico in d>ti Vtia Ciuz

XXVja €£PHA1.08€HO£]V1J8 A. ab E.

(N ab C. Liunaea IX 295 — *Rhynchospora* spec Knth Euuinei II. 287.)

- 1 C MARGINATUS Liebm Mexico Halvgiaes p 62 f — Culmo 1%-pedali iriq>^'' tro stuato subflexuoso tenaci suisum veisus angulis scabus, ima basi ioliato, f^h* culmo dupJo Iiiplove brevioiibiis subdi^tichis angusie lincanbus complicalis ensilorn¹¹ cuivatis rigidis, maigine Mcabris, apit-e pungenlibus, vaginis compicst&iu^culis n¹¹ utropuipuiua, capitulo teiminali depiesse globoso poljbtacliyo niagimudine el. qe* *Armeitae maulimae* mvolucro pleioplñllo capilulum entente et biacieis *sumilibus* inter spiculas inlerslincl/s, phyllo infiuo 1—1%-polJiemi foljjfoinii eiecto 0 *bas* lata vagiuanie scaiosa rufa in Jauinam anguste liieaieiii \indcm comjtlicaiam *rigidam*,

ipice pungent em dorsireimarginescabiamattenuato, reliquis squamaeformibus spiculis
hipvionbiis late o\ntis mucronatis rip-idie rufls, spiculis ereclo-patulis dense con-
parsiis 7 — 13 monoicis suhdistichis angulitis oblongis, 3 — 4" longis, 11-squamosis,
S(lunmis inferionhus 3 — 4 mmonbus sursnm versus magnitudine increscenuhus tacuis
(OIOVIS nvatis obtusis brevissime npiculatis nitidis conaccis pillide rnfls, iquinta
m ijoi i foemnea fortih oblonga, reliquis 6 — 7 mnsclus tenuioribus nnguslionbus pal-
lidionbus, slnmimbus 3, flhmenlis exsertis (lll ormibus bflsi tonnniis, pjlis aliquot cir-
nimdnis, rleinum spiraliter torus, anthem l'/i longis lineaubus aculis fuscis nmcp-
•uiiibus, cniyopsi oho\ati biconvexa marginnln, motura castanea subtilissime punttu-
hn maigine pnllidioir, \rrticem ^ersus denllculato-cilialo, tostio fructu plus duplo
br i vior eoque •ingiiatore compresso apice truncato bideritato caesio, stylo longissimo
ex-otto floxoso lefioxo simpheissimo, basi cornea parum incrassato dm persistente
^td hcile deciduo set is pcrigvnn 5 longitudme caryopsm aequanlibus \el parum
Miperntibus basin veisus dilatatis fulvo-hirsntis, apice subulatis aniroisum scabns
— In Mexico (Chinantla)

XXVb €K R A T O 8 €H O B i n J S N. *ab E.*

(N ab E Linnaea IX 296)

- 1 C MACROPHYLLUS Tuckerm Dot Zeit VIII 499 — Cymis composiis, spiculis gra-
cilibus paionlil^us, nuce oblongo-obovota, basj acuta compressa laevi, sens fl iformi-
bu> duplo sljlo persistente subtnplo brevior, Tolns angustaus ngidisglabns, cnlmm
sii)(nllibus — descil in America boreni ad New Jpisey
- 2 C M\ri\OST\CHYA A Gray, Manual of the bot of the Noith Unit Staates 532 —
Cjmit subsimplicibus parvis, spicis dense glomeiatis, sens capillanbus achaemum
duplo suptraniibus — In America boreali (New Jersey , Rhode island, Messachusets)

\\Vjc H A P i O S I T Y I < I 9 A, *ab E.*

(N ab E in New Edinb philos journ 1834 p 265 — *Rhynchosporae* species Knth
Enumer U 287)

- ¹ H MCXICANA Iiebm Mexicos HaUgiacs pag SI f- Caepitosa culmn 6-polli-
< Hi I) us tnquetris fliformibus sinaiis, angulis apicem versus scabns, basi dense folia-
l^ fllii> culmo duplo brevionbus pnientibus flexuosis nngustissime Imeanbus ngidius-
culis complicate glabns, apicem veisus setaceo - involutis, mnigine scabns, capitulo
globoso denso solitano magmtudine baccae Ribis nign, involucro monophyllo capitulo
pirum longioie, demum tefltxo canniculato dorso margineque scabro, spiculis sub-
teietibus lanceohtis 6 — 7-squamutis subbiflons, squamis chnrtaceis fuscis uninervns'
infenonbus 4 vacuis brevionbus ovalis obtusis, quinta et sexta (lores heimaphroditos
amplecientibii9 longionbus lanceolatis acutalis, septiraa vacua angus^d, slaminius 3,
nhmentis longitudme squamarum, pengynu setis 6 basi fulvo-barbatis sur^um versus
nutroittum cilialis, caryopsi 1" longa oliplica fusco-mgrescente, lalere inlenore con-
^exa, extenore concava, margins uiroque flavicante carlilagmeo - denlato uivoluto,
rosiro caryopsi 3-plo brevior ancipiie ovato-lanrfolalo maigme ciliolaio llaMtante,
st\lo exserio longissimo llexuoso fusco apice leviter biQdo, — Mexico

XVII RHIZOTHOSPORA Xuhl.

(Kntli Enuraer II 287 537 a 540)

- 1 RH PUNGI Ns Licbm M< xicos Hdvgiies pag 65 f — Glauca culino l'A-pedali slntlo sinato glabro, fuln basill uibus culmo birvionbiu ^tnitis angusle Imenribus (cinnalis apice pungniibus, miiDinc cinnaque acuti^ime scabns, caulinu* 2—4remotis mtei nodus brevionbus, vagmis subpollicanbus anguttis subteietibus oie rotundatis nudis, coijmbo axillon tcimnlique eiectis ad pi ess J» conliactis innequilongis fasciculiio - con^eslis, axillan minoie longe pedunculio, pedunculo 2—2¹/₂ - polliran folio tno longioie tomposilo, teuniinli majore subpolliciii dcomposilo, mvolucio 2-pbyllo, ph}His sttaceis. scabns pungniibus corymbo brevionbus, briclcis bracteolisque seia-CLIS spiculis bievionhus, spiculis 3—5 fncscuuiis acqmlongis ovati9 1¹/₂—£ longis, squamis 3 infeionbus mionbus vacuis mciescenu lime 11 magnitudine, quarts herraapbrodita ferlili mnjoio roncava ovia mucronnt i*fu^(0 cnsMnon carmaia mucione scnbio, qumla heinnpluodita alioitni, 6—7—8 obc^cpuiibus, blaminibus 2, sens 6 aulrorsum bi^pidis cir\opsi bievionbus, stylo ciecio biflilo fusco, caiyopsi obovata biconvexa toigida dcu^issime transveiso undulato - iijulosn lusca, rostro canopsi duplo bievioir comco obtuso lh\o-fusco suhdli^sinw liibuculalo - asperato — Habitat in Mexico ad Mnadoi
- 2 RH JIBATA Liebm 1 c pig b6 f — Rhi/omale obliquo bitvi, culmo 3¹/₂, -pedali tngono glaiiLO striato glabio, apice nutanle, foln& culmo brewoubus conaceis glaucis 27₂" latis caimans ncivosis pluiib, apiccm veisut> maigme scdhnusculis, culincis ie* rnois 3—4 inieinodiH longionbus, vngims bipollic uibus angustis glabiii» oie IOlunda- E> nudis, coijmbis axillanbus uimm ilique eiectis subadpicss^ Iixis Mib| uuculalis itlum pendults, axillanbus 3—4 n moia compositis longe pedunculalis., pi dunculo folio suo bievioie, teimmall mnjon 4—5- pollicnn d< romposito, pedunculis putinlibus pediccli»qufl maequilongis aspens lenuibus, mvt luci 0 3—4-phylo coi \inbo bicvioie, biactei;. luacteohsque setacus, spiculis solliarns \el 3 aggn^uis, inttim<dia subsesili, 2 lalcralibus pedireMnlis intemu'di IIII supeiantilnis, coiyiiibulum foinnnubus fusi* foimibuit utntfuc aculis 2 longis, squamis inflQis 3 rnmoiibus \atui>, 4 la — 5-ta duplo majoribus beunapbioidilis Icitilibus ovalo - hnceolatis concivis mucronalis uni-IPIMIS runs, dunbus in turns nngiisloril)iu> mnscuhs vel l ibescenubus, stammibus 3, silib G uitroi&um lupidib canopsi subduplo longionbu*, (aryopsi obovata biconvex^ dilute casiauca transverse nuosa, IOSIIO caryop<i duplo bicuoic compicesso tnangu* Ian acilo oncico-mgio puberulo, stylo longe c\scito fiuco (lexuoso ad medium bifido — Habitat in Mexico onenlali icmppiaia
- 3 RH PAI LIDA Curtis, Doi /en VIII 530 — I ulimis ngulus amlc inangulu^ foliosus jghuco - \11dls angulis apircm versus scabns (12—20 ;, folia ciccia c ininla ciliflio-seuulaln, pamcula ternnnalis capuaia compacia a lohia bi icKaniibus 2 paululum su* pcidia, spiculac palJjiljs&ime feiru^incae lanceolatae l-ilome, ^lumac 2—3 inftno-rts brevioies ovadne vd hnceolame oviinc mucionntno, 11 liqu K I l.wtiolalae jeuin6» athacnium (1) obovaium glabitan <om>ip-j^uni uibio-lihiuin cum III»EO pallid⁰¹⁰¹ longitudinali: stiolatni), iuboicullim lin>|>iiuuu demes-um apiculatum. S**|
3 ter sam adae n par. am adqumis, stamina 3 styli biparum — Habitat in America boreali (f arolm)
- 4 RH CHAPMANNII Curtis l c 531 — Dense caespitosa culm (12—20") graciles ab- tusi trianguli striati follo51 laeves, folia radicali- glauca, caulina bliformia brev- corymbi fasciculati o ue ram ; apic- pallide ferrug lern"" « 9-u, cum bacu . J M M »»b q«fl !
oe«e l«nc_ola_lac umllome glum., mucronaiu, acb»M»*

ellipticum compiessum pallidum vel leviter ferrugineum, Mnnque cum disco vilieo, ~~MM~~ rculum uregulare compiessum ronflucns, basi Jatiim, qunrlam nchaemi pnrtem acquans, set 10 0, stamina duo, shins longus bipaititus. — *lih Giayuna* Ghapm mss — *Mi lonjuia* Chapm mss — Habitat in Flonda

- ⁵ RH DIVLRGbnSchnpm mss ex Cm us I c — Culmi flifoim?s glnlni foliosi (6-12"), folia disLntid Miacea, margmc apicem \ersus scirulala; paniculao axillaios el teimmales <oi jinljoN.ie pnivae laxne el divergentes, lateiales pedunculatae, spiculae pdcicellatae paivao ovoideae neutae, pallidc casianeae, floubus omnibus fen ~~MMH~~, dthaemum obo-t Hum bnouiiveum, miiiuii^imc longitudinrilitr stnolalum v« I cancellalum pillidum vd obocumni, tubuculum pamim album, basi conslntlum, s\Jus longus pofunde Ijipnii us, stamen umuim, setae 0 — Habitat in America boreali
- ⁶ HH KMESKfcrMI John Taie\, FJoia (B Z) XXXIH 80 a in Gny, >Uj]ual of the bot of the JSouli Lulled Staates 533 — Culmo tngono granli, spicis nuniPTOsis in glome-tulos 1-6 distanit's aggregate, nuce lae\i obovnta suhstipilala, seia>>6 retroisum lu>>-pidas iiequinte, tuborrulo tiiangulan subduplo longiore — Habitat in pinetjs (No\Caesni") in America boreal).
- ⁷ RH TORREYANA A Giay, Manual of the bot of the Noith Unit Staales532 - Culmo tereiiusrulo gncih, folus setaceis, cjmis pamculatis laxiuscnlis, spici* pleiumque pedicellatis, HCILIPHO oblongo-obovnto pamllehter lugoso sens longiorc, quam tuberculuin compresio - conicum Inium triplo longiore — Gnlni !2-3-pedales — Habitat in America boicali (New Jersey)
- [^] RH (JHACILENTA A Gray l c 533. — Folus angu9te lincnbus; spicis ovoideis in 2-4 glomeiulo* pai\os aggiegain, laturulibtis longe pedunculntio nchaemo ovoideo quam setae bicviore, tubeiculum complanatum subulatum subaequante — Culmi gmcil-limi 1-2-pedaks ~ Habitat in Aincnca boieali (New Jersey)

XXVIII CALIPTROSTYL. 1'S A. *ab h*

(N ab E Limiaea IX 295 — *Hhynthospoi ac spec Kutli Enumci I. 'ib't)*

- ¹ C PANIFULATA Liebm Mexinii l.ihgiaes. pag 64. f — Culmo lupedali Inquillio glabio foluuo, foil is pi mis, infoiionbus 5-6" lalis, supia maiginequa scabns, subtus pdllidioi'bus glabio, \ogmia glabris IJXIN, ore nudis licibaceis, pamtulis axillanbus tornuiidlibusqik, mlci nodus imilto bievioubus, distantibi^s pedunculatis dupliuilo-tnpli-catove-iamoMS, iinns triqutliui scobris, omnibus butctea sitacca subra suffulns di-ilitlms alitmiS, sin sum dociescenlibus, mfcionbus divaicalis, supenonbus palulis !>cciiii(lnuis tci ii.il usque breuluis, otlireis bicvibus obliquit, spiculis solitanis 4" lon-&s lanccolaus niuiis, In deled M lac en oulluliis billons 6-squaauitis, squamis 3 infeuo-^{nl}>us nunonbub J KUsceiile inmeu nngiitudiie, quarta majoiu kmli, quinta mascula, sextn anyiistioio \acua, ovato-lanctolatis niucionatis cannatis umneviis fuscis mem-^b>nn.ntis, sianimlius 3, ninmenlis ex>eitis, carjopsi oibiuilaii lenljCulan biconvexa "^{ll}da Ciihianru - fused obsoltie tidiis\eiMni **stidilula**, IO-IO compiesso basi circum-^scissa caijopsi .uigu>tioii, < miqia j atum snpn mie uuciea sulo longe exserto fle-st04>o, apite bihdo, sells 6 nniuisiim In^pido-scabris caijopMn acquantibus — Habi-^{ln} Mexico (m disti Puebla)

WXIIIb £RIOSPORA *Hochst. mss.*

(Hotlist inss HI A Richaul, Tent flor. Abyss. II. 50H)

„Ce genie est lies sinpulier. Se^ epis se composent d'un assez giand ^{anomb}ie d'ejjilclles sessiles et guminub, u t'aisselle d'une etdtlle. L'une

de ses i pilc((ts cst fomolle, l'antre m.ile. LVpiHel femelle se compose d'une lonpue ecaillo caiuif, d'uu oxaire trianmilaire, enyironne de soics hypogryuch nombreuses, suimonh d'un style epais, consifant tnan-guhue, ([lie teiminont tiois *Jou*^ stiinnates c\lindnques Dans IVpilltl HKile en contact «ivef Vi pillet f<m<Jle, on trouve une ecaille evterne Icincolee circnc , une ecaille interne pin*? comle, loiilee sin elle-memc el trois tldinines ii filets persifans, plus loncs quo l'ecaille interne. Le fi tut tst tnnnpulaiee, allonge tor mine* pai nn lonir bee i trois angles, loinic par le style persibLant<

- 1 E ABYSSIM(A HochMt mss e\ A Richard 1 t — fulmo erprto bipedali tereH glnbro Jievi *Mi is* Itnomibus acuiis globn«, marginr rptroi^um «jfnbr»s, pnnirnln lamosissima f<re ppd iJi^amis stnrlis, spicis puuulis ovoidco-oblongjs ncutis pedjceJlnus e spicuiis imbucniis compositjs, spicuiis in aMlla squamae buys ses^libus, inferions foemmeae squama longa acuta cannata, ovano oblongo tnquetro, sells pilosis numerosis cincto, "ivlo longo triquotro pyramidali connceo pei si<iente, sligmtnbu" 3 toieibuš, masculae spiculae squnmis binis, extenore lanceolnta ennnata, inleioie cnnvoluta, staminum 3, fihmenti^ pcisientibus, squamm excedentibus, achnenio tnquetro, stvlo persistente inqucio longe tosliato — *Hynchospoia luqyna* Hochst mss — Hnbilat in planitie *montosa* Abvbsniae pfovinciae Chirp

XXVIII. ĆliADIUItl *P. Bt.*

(Knlh Cnumer II 3^3)

- 1 fi MAHISCOrDhS Ton mss ex A r.iny, Manual of the hot of the Norih United Ma.ue* 534 — Culino obsolete trimpulnii bipednli, folns canaliculatis, qmis parvd • ompo^iis spius Longlompratis in capnula tema oclonave quorum 2—4 petlunculuWt stjlo tundo, lobis integns — *Sthoenu** *mmiscoidts* Mhlnbig Giainin ^bO — Habil" in Amenta boreali (a New England ad Wisconsin)

XLII. CHAETOSPORA *fi lit.*

(Knlh Fnumor II 323 - Wlprs Annal I 906)

- i CH riOiNG\TA ^ abE in Lehrn Plant Pieiss IF 275 + — Oulmo nmlo compi<fl< folus ladicahbus culmum nequantibus supeianlibii!>vc Iincan - flifoi mibus connlici^ rprtis, \ igims longp cilntis, cnpilulo tpimimli ovalo, involucio 5— 6-plnllo paulo ^* VIOIL, in\olmn filiolis iig-ulis ovi|p subulaio-mucronatis, CTimo mijore, leliquis ^* aequdhubus, spicuiis puum longionbus spicuiis 1—2-Rons sqnamis nudis cNnri^m^ faevibus — fti \ova Ilolhmln i

XLV. IIE]«ICHLIAE1¥A *Schtad*

(Knth Lnmor II 330)

- 1 H TLLBOSA Hochst mss ex A Rithaid Tent floi Abyssm II 509 - Parvuw^ *pito<li cnlmo ereclo g-iaci'i 3—6 nnnas allo, bdsi cum folns viginato et in ¹¹¹ lum obovoidnum pisifoimo tunicdtum inflnto folus lineanbus angustis acu¹¹⁸

Kievibus culmum aequantibus, spici* oblongi nculis nllermis sessilibus 4—6-nona, racemum simplicem cfformanlibus bidden ((lonbus hermnhroduis) imbncatis subdisuchis ellipticis, nlnce bievier mucronalis, colore castaneo-puipureis, margine tenuionbus siriauis, stiguaibus tnbus — IKibat in Aliys»nme locis herbosis circa Adoua

Tnbus V *SCLERINEAE* Knlh. 1 c. 538.

L. SCIiERI.% *hun.*

(Küth Enumer II 339 - Wlprs Annal. I 909)

- I SCL FOLIOSA Hochsi mss ex A Richard, Tent lloi Ab\ss II 509 — Culmis folusque caespitosis, culmo ereno vix pedali, aiguie mquetio, lelrorsum scabonimo, folus linoanbus acuiis luriellis, margine ciliaio-scnbns, lacemo lerminali ramoso, ramis triqueius hnvis, e spcis conglomeiaus aliernn compoflto, spicis foemlreis nmflons pluuhus laieralibus, squamis saopius 4 bæu laiis oblongis acummatis spicis masculis lei muiahbus, foeminearum disco mlobo, lobis oblusis inlegns, achaemo ovoideo lapideo albo nilentt areolnio (an siccatione?), spfcis masculis pedicellais solitanis angustis plundons — Habii in Abyssimoe locw huiiidis plnmtiei monianae Ghne
- i SCL CLATHRATA Hochsi mss ex A Richard I c p 510 - Culmis erectis tuqueins ghbns, l elfoi sum subospeiulis, 8—10 uncias longis., iohu& lontanbus arf^uslis glabns laeivibus glaucis, viginis. saepius linea hula longitudinali nolnlis, lacomis axillaubus tenninabusquL tainoiis, inmib tuquetro-alaiis glabiis, spicarum foemineurum squami!* oblongo-lanccolatis, iiciaemo ovoideo tessell uo - chlhralo, obtuso albo nittnte, disco lato ciasso liangu in, angulib obtusis iiiiegii^ — Uabiial in Abyssinia paludibus planmei monunne Walcha
- 3 SCL OULBIFLUA Hochst mi>s et A Richaid 1 c 510 — Culmo erecto se>quipedali am bipedali inqueiro laevi glabro, basi inllalo luberculalo, tubeiculo ovoideo lunicaio extremiatcin digiti minimi aequante, folns lineanbus angu&us nculiff scoberulis, culmo krevioi ibus, spitis glomci alls sessilibus, ^picain inunupuin eTormanlibus, lllore infenoit focmineo, cieieib masculis, brnceis appre^se fmbucalis oblongis, apice obiuo imutionatis, colon intense caslaneis, baclea ad basin spicarum longe subuluiu cihulo, acluunio globoso obtuse el obsolete tugono, laeu am lacunoso, disco vix disiinclo " ~ btl *allosanymnea* Hochst mss — Habitat in Abys^inia grammosis montis Scleuda
- 4 &C L HISPIDULA Hochsi ms9 ex A lluhiid 1 c p 511 — Culmo sesquipcdab erecto l" queio glabro laevi, folns liucanbus angum&sunis, margine letiorsum scnbns, panjcula ramosa elongala giacili, lamis anguTatis cialio - «c ibus spicis glomerulan«, 'otmineis numeio^ioubus, brnceis longionbus lanceolatis cil no -hispidis, jchaenio globoso-depies^o bieviter apiculato, icfeulnuiei leliculato - si,ilat0 albo — Habitat in ^{AliS^}suaae regione GuCndepa
- 5 ^{Sc}1. MILANOTRICIIV Hochst m»s. ex A Rithaid 1 c 511 — Annua culmo crulo palmiau luquetio, hint mlco longitudindli piloso exaialo, glabnuscuro aut pubenli-pi-oso, folus lineanbus dngusliosimis ttcuib pilots, flonbus glomeiulans, inteirupie ^{SP}>caus, sqTnni^ lanceolno-lineanbus pili» longia mgns hiisuiis ciliatisque, fiuctibus ^m nimis globosis ecliinulatis — Habitat in Ab>bsinia piovmcia Cline
- 6 ^SCL SPICALFORMIS Bnlh in Hookei, Nigci Flora 55fr + — Vagina subalalts foliis-Hue angustis hirsuiis, ligula brevi rotuudata ngida, pamcula bicviiei spicaefoimi, spi-

culis foemmis umflons smgulis sessilibus cum masculis plimbus subscilibus fasciculatis, flonbus mdsculis plensque triandns, disco submtegro turbmato - patenformi nudo, aclnemo OOKIPO nlbo longitudinaliter multisiuato — Ciescit in Afiun tropica occidentli

- 7 SCL ANCEPS Liebm Mexicos Halvgraps p 69 + — Culmo 1—2-pedali tenui flexuoso tnquetio stuito relouisum scnbndo, folns disianlihus mlei nodus bievionbus lineam latis plants caimans neivosis, apicem vcisus mnigine scabns, vagims triquetris anguste uiilalis deorsum cvanescentibus viudibus, maigme scabns, lignla abbreviate-ovata scinosn fusca, pedunculis axillanbus 2 — 3 distantibus leimmibusque compiessis jncipitibus laxis, flexnosis 1—2 - pollicanbus* apice oligostachjis , rhuclu rhacheolisque inalau*, spjculjt. fasciculatis, masculis conipluibus infeonbus iotinineae lerlili alte-nque .ibortivie suptnoubus consocialis, flons mascuh squamis compiessis alle can-nalis lanceolalis fuscis, sinmimbus 3 (stamina 9 in spicula adsuni), squamis foemi-tis mijonbus hlionbiib acutis dot so scibiidis, caiyopsi ovala opicuhia albida mtida laoviuscila migniludme semmum linpiiieutis^Dalsaminae, basi tupula inloba stramineo-albida circumdata, lobis ovatis acutis nervo medio non exciwiPtite et tuberculo minuio tciminatis, >tylo trifido fusco — Habitat in Mexico (Potreio de Consoquitla)
- 8 SCL PIHPULIEO-ZOINATA Liebm 1 c p 70 f — Culmo 1— 2-pednli tuquelio stnato ^huco angulis scabns, loin* angusto lineanbus complicatis caimans, carma utnnque iiiiiigine relouisum scabus, vagmi* luquctiis exahtis tons stabudis, liguh abbreviate ovnti bcanosa fusia lusjuda, pedunculo iimco avillan 2 — 3-pollitnri scabio supeine al do itrmmalique oligosl lciyo, spiculis fasticulos 3—2 fornmtibu* plerumque gemi-nis urn mascuh, alteia iifpiaoie foeiunea, Imvi pedicellate, pedicello unguato tualuio, sqmniis 3 longis alte carinatis na\ iculdi ibus lanceolate muncnilis, canna vnidi 3-neivia mucioncque scabns laienbus pillule i»tiaD)incjs, mnigimbus atosanguineis deoium Solunimodo maculatis, bracteis ngidis foliaccis canna margmeque sursuin scabtis, slamnibus . ?, carjopsi ovata apicuhla laevissima ninda ebuinea magnitu-dine fiuclus Cannabeos salivae, cnpula annulaii flavo-albicante mlida margine inlegro, pengnio inter cupulnm et carjopsm innulau 9-tubeiculan, tubeiculis albis pulveru-lentis hemisphaencis, 6 majoubus pci paua dispobins, ti thus minonbus interjectiS) sljlo longissimo exserto ad medium trifido fusco — Habitat in Mexico
- 9 SCL (ORIACEA Liebm 1 c p 71 -\ — Culmo b— 7-polliran tnquetro stnato stricto scabio, folns culmo duplo longionbus eieclis ngidis IV2 lais caimans binerviis, lUrmque scabus, \agim> irujueli is> scibns, angulis letioiMim luspulis, ligula ovota ugida s^nuosa h^pida, glomciulib unu dislann axillan SLSSIII distacl^o, duobus ter* mmalibus approxmidtis oligostachjis, alieio sessili, altero breMtor ptdunculalo, bracteis fecabus maigine cannnqul ciliatis, squamis ovalis ulte (aun.itib concavis mucronatis slramineis scabns, canna ciliati caiyopsi globosa transverse rugoso-tuberculata m-tida, alln m^gmiudine frictus Hypopon mitnniis tujmla minuta tugona margine 3-lob>< — Habitat ad Guanacaste (Cobla nca)
- 10 SCL TORRLYANA Ulpis mss — Culinis giacilibus lenuibij>quo 1 — 2 - pednliboi? loins lineai ibus>, glomciulis laxis, infenoie sacpius lotige pedunculato nutante, acha^{0*} mo (^o) globoso sub^piralitei minuteque impresso - rugoso, mgis pilosis. — *Sd&w laxa* Toir invs. (?) ex A Giay, Manual of the bot of tho ISOith Uniid Siantes &* (nee R. Br) — Habitat in Amenca boieali (New Jcisey, Long isl tnd)

La HITPOPORUM A, ab E

(N nb E jn Edinb new plulo* jouin 1834 p 266 & Lmnaea IX 303 -> *bcleiiae* »P^c Knth Enumei II 339)

- 1 H tylCROCOCLUM Liebm Mexico* llaugiaes p 68 + — Rlnzomate brevi culmos ^{plera} ~~leat~~ emittente, culmo 8-10-pollican fillilormi tnquetro glabro llexuoso, folns anguste

ribus canodlit nervosis, apicem teisus margine scabiis, vagims deortum bispidis oie truncatis, spica composite virgato-ramosa, glomerulis intenuptis, infenonbus axilhnbus, superioubus nudis, ramis tenuibus eieclo-paiulis % — 1-pollicanbus, rhatbi umveisali parliolibusque scabris, spiculis glomcratis glabns, squamis hwiceolalis mucronans carmaiis concaus, nervo medio vmdi in mucronum scabium excurrente, laienbus lubescentibus rufesientibusve, slamimbus 2, slylo 3-fldo fusco, caryopsi minula semimbus Papavens mmore globosa lugoso - cancellata gnsea basi trigona irifanmm quinqupporosa, cupula mmuiissima rufescenle. — Habitat in Nicaragua

- ² B PURPURASCENS Liebm I c p 68 f — Culmo filiformi 6—12-pollican m-quetto, anguhs scabuusculis demum glabrescentibus, folus culmum subaequantibus nngustissime Jincanbus, apicem versus margine scabiis, vagims anlice pilosulis caett-rum glabns, hgula abbieviaia pilosa, spica composua vugalo-ramosa, ramis altcuus Va—l'/rpollicanbus, glomerulis mterruptis, inflma bractea setacea 'A-pollican instiucia, caeiens subnudis, minutis ohgostachj^s e 2—3 foemmis totidemque masculis conge-sts, ihachi umveisali parlidlibusque pilosulis, spiculis foemmis breviter pedicellaiis, squamis compressis oblongis cannatis squaroso - mucronatis, canna vindi sc»bia, laienbus purpuiascentibus, slamimbus 3, caryopsi gnsea trigono - globosa apice de-pressa apiculata transveife giosse rugosa uiuncata, basi trigona tufa mm 5-poiosa — Habitat in Mexico (Mirador, Gonsoquitla)

Lb OPHBYOSCLEH1A N ab E

(N ab E mss in Liebm Mexicos Halvgraes 73- absq diagn. gener)

- 1 ' 0 bCHIEDEANA Liebm 1 c — *Selena Schtedeana* Schichtd Dot Ztng HI 489 f
- 2 0 ASPERRIMA Liebm I c f- Tola plania aspemma culmo2—3-pedali dignum crasso tngono, folifs pedalibus et longionbus I'/* poll latis lanceolatis carmaiis ncnosis plicatis, vagims trialatis, alia deorsum angustaiis, ligula oppositifolia brevi liile lanceolata ngida obtusa, pannulis axillanbus terminalique, lamis erecto-paiulis, axillaiir bus circiter 5 longe pedunculatis, pedunculo folio suo bi eviore 3—4-polluau compiesso ancipm, erectis subappressis, bracteis longis anguste lmeaiibus plorus cnnntis pitu-I's, spiculis masculis foemmisque spaisis, slngulis binatisve, masculis lucviiei pcditel-latis ovaiis 2' longis, squamis subdistichis imbncatis o\alis obiusis tontavis cannlis griseo-scabns ferrugineo-lmeolalis, stamimbus 3, anthons linearibus nppendice acua terminalis, spiculis foem sessilibus 6-squamatis, squamis mfenonbus 4 minonbus, 2 supenonbus majonbus cupulam excipientibus late ovatis obtusis concavis carinaiis fuscis, caryopsi globosa mtidissima, nitore singulo opali gaudente, magiitudine Pipeus nigri mgio-rostrata, roslro styliino ngido subulato demum deciduo, cupula bemisphae-na caryopsi valde ciassioie dnnidiamque caryop^m obtegente et cum ea aictissnne connate suberosa mtida fusca, maigme tuloba subtilissime ciliaia — Habitat ad San Juan fit Nicaragua

Lc DIPLOSCYPHUS Liebm.

(Liebm Mexicos Halvgraes p. 74)

Spiculae dichnes monoicae, foemineae inferae uniflorae masculie ad-Jechb sessiles, masculae minores magis numeiosae breviter pedicelJalae. Squamae focraeinae 5, ufenores stenles, masculae imbncatae disUcjiaie
111. ^

fmndiae Stigmata 3 lorue hnta Caiyopsis crusticeo-dura o\ati
 npice mamilla umbonata instructa, ba^i depiesse concava pengynio
 arctis-simf ndnata Poncjnuim palenforme comromn tnlohiim lobis
 crassis cucullato - roflexus Cupula pengynio opposila pateiformis co-
 mect rotndnto-tnloba, lobis intpcernmis subtus plicala inlus heus
 albicans in apice rlnclieolae lesidcns

1 D MFMCANUS I lebm 1 c p 74 f— fulmus 3—4 pddilis pipctus basi digium cras-
 sus tiipiri sialus scibudns folnlms, foln 1/ } p hln pollicem et insupe i hti
 acummita norvosa jliciti snpn ghbi | subtus id PINO* mil^inesqup scabn vi-
 gmio tnqikne evihlic J — 5 poll longie scibi ic adpiesso pilouuhp, ligulte oppo-
 «: III To III < l)ie,\^b hlc ovine obtu^ie , maigine srano<?ie hxpuph Pnniulae ixill irs
 irm li iPinumlesqup, ixilhn^ sts ili» I ipollioiis termimles mullo longious i urns
 1 "UPI iissimis luqueliis «c tin is, br icleae id Insm nmomm rimuloiumque stliceio
 snbne iimis lonp ore" (mopsis 2 long* cbui net nilidis^ima, ppug\mium exlPine
 ilbum ir lei IIP (lividum — Hibmt in Mexico (Huitamalco, Muadoi)

Tnbus VI C iRICINAE Knth 1 c 368

LXI €% B E X Linn

(Knib rnimpi IT 3f8-540 592 - ^Iprs Ann 1 F 910 — De fincibus Scandma\ne
 cf IN J ANDFR^SON fvppnceu Scindim\ne in Dmia SiiPcia ^o^\pgl'l ft Tpnmm
 spout* (ips<.(ni(sdn<?oii| iso ft dtlmcitae Pnecatn^? esi FI IAS FR^S [Holmiap 1^44 8\o/
 p ib—17 ml ^ fiff 36—S9 ft Hi 3—8 , Cilice* Boreili Ampncanis ppisemOnli opusciit
 mquiKic in JOHN TARFY Tsq in ASA GRAY 4 Manuil of the botany of the Not I hem
 Unite I smnies fiom Now Pnghnd to Wisconsin and South lo Ohio ind Ptnns\l\inia m-
 clusnt [Oosion 8. fhainbridge 184H 8\oj p 535 — 567 Neutnm TII««Citationcin hoc loco
 excerptus teddidi)

I ST\LU S HINDUS {ignea Rdib)

Su honos non sempci satis nol le piopteriaqup species stcundum
 palnam enumerantur

a Europaeae

- 1 C fOMPACTA \Nimmei Flon (B 7) XXXUI 61ft f - fiespiiosi siolomfeia cuJm°
 folnto, vi{,iniN mirgir e inicgns folns laimsculis, spici necta compicli spiculis con*
 gestis (outiguis iTipdiocnici longis bnciea inflma folncei culmum suptranie, squam³
 lanceohlis fruclu ingustionbus bievionbusque fiuclibus mlinlo subglobosis costal^
 lostio conspicuo — VK iffiniiaie C caeipitosae L — (Knlh 1 c 411) — Hibitat in ^{Sl,}
 lesn piope Vrti^hviim (id pigum Kmtein)
- 2 C RUDIS Wimmer I c 619 f — Siolomfen culmo folialo \iginis margine integn»»
 folus liiuistulis spici pieiti spiculis ipproximalis exlinducis nigncinlibus, ^{^r8/Ae}
 infirm folncea culmum supennte squinus o) longiN obtusis nigiiis fruclus lonfiptat^{-A}
 aequantibus u^que paulum angusiioribus fiuclibus hte ovalis con\exis, mtus ^{plignd}
 leviter nervosis, rostro brevissimo VP! nullo — E\ dffinitdle C caesipitosae L — ^{plignd}

- bitat in Silesia (auf nasen Wiesen bei Klein - Tschausch bei Breslau unri im Grundod's giossen Kessels im Gosenke)
- 3 C MCI AT MA Wimmer I c 619 -f — Stolonifera culmo foliato vaginis margine integris lacinis angustis, «piculis paucis remotis oblongis marginatis, bracteae minima culmum vix superante, caelens senecis, squamis parvis ovatis obtusis fructu dimidio brevioribus nullum angustioribus totis nervis, fructibus senatis late ovatis compressis *ix novosis, rostrum brevissimum — Ex affinitate *C. caeyntosae* L — In Silesia habitat (auf einer moorigen Wiese bei Gaisuche in der Nahe von Ohlau)
- 4 C CHLOROCARPA Wimmer I c 620 (nee Liliaceae) f — Stolonifera gracilis culmo foliato, foliis angustis superne concoloratis, spica erecta, spiculis prostratis, foeminae brevibus ovatis Marescentibus, masculinae solitaria terminali caduca, bractea minima foliaceae vix superante, cactens setaceis, squamis parvis fulvaceo-nigris ovalis fructu brevioribus angustioribusque, fructibus densis late ovatis compressis subnerviis viridibus, rostrum brevissimum impositum — Habitat in Silesia prope Ventslaviam (auf sumpfigen Wiesen bei Klein-Tschausch)
- 5 f GRA (Liliaceae) Wimmer I c 620 f — Caespitosa culmo fragili paucifolia; folia medio-cuneata distichis planis, vaginis margine fibrillosis, spica erecta stricta, spiculis prostratis vel congestis, foeminae parvis, masculina terminali subsolitana bractea minima setacea spicam vix superante, cactens squamiformibus, squamis lanceolatis fructu angustioribus* ut paulum brevioribus longioribusve, fructibus late ovatis convexis, nervis fere prostratis oblitterato-nervis, rostrum brevissimum — Habitat ad pedes montium Silesiae (auf sumpfigen Wiesen bei Hieslau, Schmolz und am Fusse des Geiersberges bei Klein-Siblerwitz)
- 6 C DI COLORANS Wimmer I c pag 622 f — Stolomifera stolonibus validis longis, culmo cretato foliato, foliis laevibus planis laevibus, spica levis, spiculis dissiliatis, hinc hinc foliatis, minima tumida superante, squamis ovatis, fructu ovato subquadrato paulum brevioribus angustioribusque — Habitat in Sillesia montibus* (auf dem Lahnberge im Ricsengebenge) — Cum proculentibus vel nunc *C. caetpitosa* L & f *caetpitosa* | Fi
- 7 r TCTRASTACHA Tiansieinei, Flora odci Alucm boian 7eiiung XXX p 366 f — Spica composita, spiculis cylindricis approximatis, inferne masculis, iciminnis basi breviter itenuata, segmentibus duobus, fructibus ovatis laevibus compressis, doiso convexis, medio sicut longitudinaliter prostratis decurrente nervis, venis nervis, in rostrum subfissum margine senario-scabrum, glumam superas atuminatis, ladicis ciliatis, breviter solones agente — Habitat in Tyrolae montibus a til 5000'
- 8 C HILLOLA Blott, Flora (B Z) XXXII (VIII) No 21 p 331 f — Spica composita, spiculis subquadratis lacinibus confertis (disticho-imbriatis) conformibus, distichis, terminali basi imbricata, bracteis vaginulatis membranaceis brevissimis, squamis ovalis acutis, lacinibus basi cuneatis ovatis gibbosis, in rostrum compressum subquadratum aittenuatis — I \ affinitate Crucis vultus? osfacii/ae 8c *elomjalae* — Habitat in Norvegia
- 9 c ROTAK Aolaris, Index sem boil Genuens 1848 p 24 f — Culmis e rhizomibus abbuviato fasciculatis, foliis anni superioribus scissis vaginisque squamiformibus coriatis in nervis distichis oblongis, turgidis, superne scaberrimis, paniculae nervis lacinibus, panem composita ovata, oblongo-ovata, distichis lacinibus inlatisque spiculis «subulosis generis solitariusque, inflexis. latiusculis Mipmouibusque confertis sub-15-nerviis, basi foeminae, superne nervis, fructibus squamatis, glumis late ovatis acutis tonovis, margine late scariosis, nervis tunc vel abrupto iuxta, fructum nervis, stigmatibus 2, in oculo e basi continua bilobataque subpedicellata laevibus, nervis planiusculo, doiso convexo-gibbo nervosissimo, in rostrum compressum acutis bidentatum, nervis hinc hinc extenuatis superne anguste nervis mirginitum, utraque hinc hinc scissum atenuato, nucula e

basi attenuate ovate obtusa, dorso convexo-gibba, iriucronda laevi — Habitat in palude „della Moncoa¹⁴ in Italia fsuperiore⁹)

f Planta dabft.

- 10 C noi spec ? Wirtgen, Flora (B Z) XXXIII 85 — Vaginae inflmae aphjllae absque irliculo visorum, folia pkina angustissima elongam, culnum non raro aequantia T SU-pcnntia, culmus 12—16-pollicenris acutangulus eximie slnnius relioisum asprtlus, spicne breves aproximatao 3 — 4 foemineae, una mascula, spica inflma longiuscule pedunculata, pedunculo 4—6 pollican ngido, pedunculus spirnc insequentis 2—3 lin longus, spua terlia subse«silis, baciea mflma culmum aequal, non vnginans, breulcr tubulosn, squamae ovato-lanceolatao acutae membraneaceo - margmitae, fructus ovafis puncticulntus enervis gibbosus Di fieri ideo a *C vulyari* E Fr vaginis *numeiosjs nphllis folliisque phnis, fruci ovali puncticuloto enem gibboso, demque squnmis albo maigmatis, aC *aquntih* Whlnbrg receditculmo ncntnngulo, vaginis uphyllis, fruci ovali squamisque — Habitat in Germania occidental! (auf den Waldvjesen der Montabaurpr Hohe bei Coblenz)

b Asiatica

- 11 (AMFIII OI.OS C Koch, Linnuc^i XXI 615 f — Stolonifern glabf>rnma spica decompMin o\nii mil oblongd, spiculae androgynae, ex bnsi mascuhp bractus ovato-hnceohlis, squimis similibus, SMI laiionhus fullae — Affim«s 6 *curvulac* AH — frescii in Oiente septenlnonni (Asiae minor«?>

c. Africanae.

- W (rONFFUTA Hochst mss ox A Richaid, Tenlam Hor Aby^in II 512 — Cnudice honzontjli sublcrranco reprnto grncili, culnus crocus pedilihtis compiessis subancipmlius, maigine denliculaio-stabns, folns lonceoliti-» lineaiibus acuiis, culmo longioribus sliiatis glabns l<ie\ibus, laccmo leiminali simplici ex amentis plunbus parvul^s se»sil)lius arutis andiogjius fuimato, bractta npice longissnne apiculaia ad basin amriiti inferious, «quamis ellipiito •acuminalis, doiso cniimtM glabns subscabris» utriciilo ohlongo aculo compies^o, apice profumle bidentato maigine denlitulaio, stiff matibus binib — F\ affmlato (*dniac* Huds — Habitat in Ab}ssini«e provincis Stmiene

- 13 *C MONOSTACHYA A Riclnid I r p 512 — Pciennis caespitosa culmo erecto sequipedali tnquelio, retioibiun siabro, folns linennbus angusiis aculissimis ngidis, f^e ttoisum scabns, culmum superaniibus glaucis, spica leiminali tjlindnta unciali, bfi[>] biaclea squtimaefoi mi bievi obtu&n, aplice in appendicem lougam ^ubtilalam ~~sdot~~^{sdot} i^{*} suflulta, sqnumis imbricahst ellipticis acutis», maigine lenuissimis, paitc ~~superiore~~^{superiore} in isdilidoia, infcuore focminta, IIIMLUO \aldt compiesso U iititului, apice ~~10stiaio~~^{10stiaio} •uibbidntalo, basi onini nplieidice dtsi/iivo, siigt nailuij> hints — incinw ~~doggna~~^{doggna} llochsi mss — Habitat m Ab}s»mne mQiUt SIIKIIM Selki

d Ameiicanae

- 14 C SCABERRIMA Scheelc, Lmnca XXII 345 f-Rlnzoim iepenff Caules 1—~~sq~~^{sq} j pediles flaccidi triquein vtuati, suisum scabn Foln plnmn glabr.i elongate inner¹¹

striam angustalobam - acuminatam, marginem et costam mediam sursum scaberrimam, basi vaginam, vaginam iransverse rugosam - plicatam Spicae 5 hinc cylindricae remotae, 2 oppositae abbreviatae mastulae obtusae, 3 inferior? androgynae acutae Spicae androgynae pedunculatae multiflorae densiflorae, apice masculae, basi foemineae, bractea sua foliacea brevior, inflora subradicalis longissime, reliquae brevissime pedunculatae Squamae foemineae e basi ovata albo - hyalina lanceolatae, nervo eorum rente cucullato - aristatae fructu longiores Stigmata duo elongata Ovula rhomboidalia - oblonga glabra, fauce bidentata Utriculi Squamae masculae anguste oblongae membranaceae fuscae obtusae, apice primumque albido-scanosae, nervo apice evanido Spicae 2 superiores masculae sessile*, inferior bialea scanosa nervo vincta excurrente longe ansata, spica sua breviter tuffulata, summa bractea scanosa parva setacea suffulata Squamae anguste oblongae albae membranaceae, nervo vincta eorum brevissime murronatae vel nervo apice eorum oblusae — Ex affinitate *C caevpitosa* L — Crescit prope Isubrunfels in terra Texana

« C TETRASTACHYA Scheele, Linnaea XXII 347 + - Radix fibrosa caespitosa. Culmus erectus inaequaliter glaber soaber pedalis foliosus Folia basi vaginantia acrescentia plana caninata glaucescentia longe attenuato-nervata glabra, margine scaberrima, summa culmum subexcedentia Spica composita, periclyptae 4 androgynae alienae approximatim eubrotundo-ellipticae obtusae, basi cuneatae, inferne masculatae. Bractea inflora herbacea seicae spicam compositam aequans vel superans, mediae e basi brevi ovatae membranacea in setam elongatam herbaceam spiculam aequantem eademve longioribus desinentem*, bractea summa spicula brevior Squamae oblongo-lanceolatae hyalinae albae nervosae cuspidatae vel nervo vincta excurrente anastatae Stigmata duo Utriculi — Lx affinitate *C ovalis* Good — Crescit in Texa prope Neubrunfels

16 C PINCTORUM Liebm Mexico Halvgras pag 75 f — Rhizomate horizontali repente flexuoso rigido, culmis 3—5-pollicibus flexuosis incurvatis triquetris striatis glabris, basi foliatis folium cujus brevioribus anguste linearibus rigidis cernatis glabris, vaginis brevibus stuppeis, spica composita terminali Vt—Va poll longa e spiculis 3—5 ovatis approximatis subdistichis alternis androgynis basi masculis congesta, bractea fusca e basi hirtiore seiceo-spiculata, squamis masculis oblongis obtusis canalicatis basi 3-nervis dilute fuscis, margine subhyalinis, staminibus 3, squamis foeminae ovato-lanceolatis canalicatis unineervis obscuris fuscis, perigonio squamam parum superante ovato - elliptico piano-convexo rostrato, superne margine alato, alis viridibus membranaceis ciliolatis scabris, dorso convexo fusco leviter striato, rostro dentato, caryopsi perigonio duplo brevior ovata perigonio-complexa, utrinque abrupte attenuata laevi nitida fusca, stylo longitudinem rostri aequante, stigmatibus exsertis 2 fuscis — Ex affinitate *C aliena* L et *C Schreberi* W — Habitat in Mexico (Orizaba)

17 C ORIZABAE Liebm 1 cit t — Culmus 7—5-pollicum strobilius erecto rigido, angulosis scabris; basi foliatis folium culmo brevioribus Z latis plants canalicatis palme flavo. virentibus, canalicata margineque autiliter scabris, vaginis fusco - stramineis, ore membranaceo iruncato, spica composita Va—*A poll longa, e spiculis 6—9 ovatis in Pithum subovatum lobatum congesta, basi bracteis 2 subulatis scabris spica brevioribus suffultis, spiculis antheris, basi masculis, squamis masculis et foeminae lanceolatis acutis unineervis fasciatis, staminibus 3, filamentis squama longioribus, antheris linearibus acutis apice denticulatis dilute flavidis, perigonio squama longiore elliptico piano-convexo nervoso rostrato marginato-alato tincto, alis membranaceis ciliolatis scabris, rostro apice obsolete bidentato, caryopsi perigonio multo minore elliptica lenticulari-compressa apicata laevissima nitida fusca, stylo longo vix ad medium flos sursum incrassato, stigmatibus 2 exsertis fuscis — Affinis *C festiva* Dew — Habitat in Mexico (Orizaba)

18. »C. LEPORINA Linn. — Knlh. 1. c. 393. no. 65 & p. 541.
var. *bractcata* Liebm. 1. c. pag. 76. — Spiculis 4—7 pallidis, inflma vel 2 in-
flmis brnctca scincea spicam subaequante suffulsiis. — *C. Icoprina* Jungh. — Habitat
in summis montibus (Cordilleris) Mexicanis.
19. C. SYCHNOGEPHALA John Carey, Flora (B. Z.) XXXIII. 80. (A. Gray I. c. 545. no.
34.) — Spicis androgynis inferne masculis crebris arcle cnpitato -aggregatis folioso-
bracteatis; stjmatibus 2; perigyniis compressis a basi ovalo-lanceolata abrupte con-
iracia subsessi Ji longo sensimque rostratis, apice bifldis, margine scabris, squaminn
byalinam lanceolntam abrupte miicronatam paulo superantibus. — *C. cyperoides* Dew.
non L. — Habitat in Nova Kbor. Comit. Jefferson.

II. STYLUS TRIFIDUS. (*Carex* Rchb.)

Sectiones non semper satis, nolae, proterea species secnndum patriaffl
enumerantur.

a. *Europaeae*.

20. C. CASTANEA Melichofcr, Flora (B. Z.) XXXII. 665.f - Spicis 2—4 confertis, terminali
ovnla androgyné", basi mascula, foemineis oblongis, infimn longims pendunculata, seno-
per ereclis; bracteis brevibus vaginantibus, inflma foliacea elong.ita, penultima subu-
latn, spicam subnequanie; sligmailibus tribus; fruciibus glabris ellipticis, compress*⁸
rostello brevi bidcntato terminatis; foliorum vaginis integris; culmo laevi. — Auf deft
Melcherboden des Rauriser Goldbergs, 6000' hoch.
21. ' C. FERRUGINEA Schkhr. — Knth. I. c. 464. no. 257. — *Carex sempervirens* Vill.
P- *svtifoUa* Kummer Vc Sendtner, Flora (B. Z.) XXXII. 759.— Foliis'angulissimi*
Iriquetris rigidis erectis, margine carinnque scabris; spiculis looniineis 1—2 erecti⁸)
fructiferis oblongis aut ellipticis. — Forsitan species disiincia. Rhizomn UbrusuDD
Spiculae foemineae aut binao, superiore subsessili, inferiore longe pedunculata, aut uP^B
masculam subntiingens longe pedunculata. Squamae acutiusculae, margine membr^{o*}
naceo angusiissimo. — Crescit in monte Vlassich ad altiudinem 4500—5500 ped. >ⁿ
pratis el in saxis.
22. C. OLBIIENSIS Jordan *), Observat. III. 241. f D. 12. A. 1-12. — „Un seul (ipi mâle
dressé, pedonculé, linaire, alténuti à ses deux extrémités, long de 20 à 25 mill., large
de 3 à 4 mill. Deux ou très- rarement irois épis femelles dressés, écartés, oblong,
linéaires, renfermant de 8 à 10 fleurs, longs de 20 à 30 mill., larges de 5 t 6. O*i*
le sup^erieur à pédoncule ties - court et inclus dans la portion brièvement *semivagi*
nante de la bractée sup^erieure d'oii sort l'ipi mâle qui di'pass.c le femelle de fa
moitié de sa longueur; l'inf^erieur à pédoncule allongé triquètre, strié, un peu rude,
de*passant plus ou moins la gâine de la bractée inférieure. Bractées enlièrement folle-
cées, la superieure égaient l'épi mûle ou plus courle, l'inférieure alleignant presque
à sa base, a gaine longue de 10 à 30 mill. Ecailles des épis mûles obovées - ol^lo*n*
gues, cuspid^{5es}, largemeul scarieusés, d'un roux pâle sur les cofes, tr^etes sur k* & .^s
à trois nervures rapprochés, réunies au sommet, et prolongées en pointe sail^lle^l
très - rude - ciliée sur les bords afnsh que la nervuro mrdiane depuis son w[^]i^o
Ecailles des épis femelles assez semblables à celles des ipis mâles, d'un roux (i^o
pale, plus largement obovées, plus longuement cuspidées, à pointe cgnlanl le (i^o
mûr ou plus longue dans le bas de l'épi. Ovaire glabre, obové-oblong, altdmii" .^s
deux extrémités, surmonté par un style trifide. Fruit mûr dressé, obové, fort^l .^s

*) Ingentes diagnoses Jordanianas gallice elaboratas immutatas reddidi.

trigone, and nut a la base en pe*di-Hle, et au sommet en un bee ires-court tre's-peu
 compant doni 1 orillee eat elciucule *el* souvent un peu emarginc, de couleur pflle un
 peu huc< mü(UUL¹ <h 17 neivuros fines d jin fnuve IOIX dont deux Initiates veidiitres
 el un pen plus sailhntes se piolongent Mir It btc et sont munie* vois le haul de
 quelques cils lantiolts acummes et incline en nvant, long de 5/1^a mill, large de 2/1^a
 null Akene dun roux *pile*, obovd, fortment tngone, A coles releides surtout au
 sommet, a interfiles des cotes ddprimts dans la pirlie infeneure, surmonte* par h
 base du shle per<stante et très-courte, plus court que la cavie'' utriculaire qui est
 mennbianpu<e ei lie*-mince, el h lempis*ml exactement en large r, long de 3/1^a
 null si r 2/2 mill de longe Feuilles vertes, dressées, assez fei me<, unpeu depasstes
 Pir les tigos Inices de 5 a 7 mill, phnes, canaliculees en dessus dins leur milieu,
 cartmes en dessous, tits *glabre*, mdes sur les bold* et sur la caicie, A nervines
 nombreuses et n^ez saillantes, les internes cunes, squamiformes et dun brim
 violact ainsi que les bis des games Tiges dressées, mclintes au sommet, assez
 gitles, tnqueties, stutes sur les faces, prcsque lisses sur les angles, assez garnies
 de feuilles haucis de 3 a 4 decim touche cespieuse a¹ rhizomes epais, roueux, ra-
 roeux, produmnt dts bouigeons d abord un pen eialcs puis jedressts et lapproche's
 *n faisceiu, e'meiant des fibres contommes i aides giossiues non strides et munies
 de fibnlles peu nombreii'es '' — Ad *C depaupei atam* ft *Mxchelu* peilinet — Habitat in
 Gallia ad Hjcies

- 73 C DASILARIS Joidan I c 246 f tab 12 fig B 1—U — „Un seul dpi mflle diessd
 pedontuld ob ong, rdlreci & la base, long de 10 A 15 mill, large de 4 A 5 mill Deux
 & quatre dpis femelles ovales-oblongs, renfermant de 15 A 10 fleurs, longs de 8 A 10
 mill, larges de 4 A 5 mill, quelquefois plus petits, un supe'ueur (rarement deux) as-
 sez rapprochie de 1 dpi male, dressd, a pe'doncule long de 4 a 10 mill, dlpasant plus
 ou moms la portion viginante de sa bnctde, assez sein, irigone et cilie'-scabre sur les
 angles, un ou doux, quelquefois trois niissint de la partie infdneure dps liges, ires-
 prts de leur base, piifois males au sommet et ported sur des pe*doncules grcles, al-
 longés, incline's i h miturilP, toujours depasds par les feuilles, un peu ruOcs | rès
 du sommet Dinettes hcibace'gs auncultcs- membraneuses \eis la base, linfeueure
 &Ueignant 1 epi male ou plus courle hctilles des e*pis males lousses sur les bords,
 plus pule* au milieu, a neivuiu dorsale prolonged an sommet en pointe plus ou moms
 snillante ct quelque peu rude Lcailles femelles toussalres, un peu vertes sui le dos,
 °bo\tes-oblongues, longuement cuspide*s, a-nervure dorsale el pointe, très-cihe'e scabie
 Owire pubesceni, oblong, allttoue* aux deux extrdmites, surmonte¹ pat un stjle tufde
 Fruit mm dies^c, anondi-clliptiquo, A angles pie&que nuls, atle'nud a In base en pe-
 diccile, prolonge au sommet en un bee conique dont lonflce est bidenie' et ironqui
 "" peu obliquement, couvert de petits polls assez nombieui, dun vert jaunatre, A la
 fin de couleui ggse, pourvu de nenuies peu visibles dont uois plus saillantes, long
 de ^/a mill, hrge de l'A mill Akene de couleur Ues-brune, de formo elliptique,
 Kdicelle a la ba^e, surmonie* par la b,se ün style, offrant Hois angles marque's par
 l¹ois nervuies ou coles flhfoimes snillantos en relief et blnnchâlies, long de 2% mill f
 la <<ge de l/1^a mill Feuilles d un veil clair jaunatre, dressees, un pen courbee*s au
 sonimeu, plate counts que les tiges, higes de 2 a 4 millim, planes, cire*nes, tres-
 Rlabies, mdes. sur les bords el surlacaione, A uenures assez marquee*. Tiges dies-
 S^{(e} 3, pen formes, nssez grtles, tngonej*, A angles aigus, un peu rudes au sommet,
 ei nues dans la plus grande paille de leur longueur, hautes de 1 A 2 ddcim Souche
 cespiteu*e, compacie, formee de rhizomes, obliques, couverts des nervuies persislaiues
 de< feuilles deiruiles, tmeildnt des faisceaux^de feuilles assez denses et des fibres
 ?r ossieres dtpouivues de sines ' — Afflnis *C^gynobasu* — Habital in Gallia (depart
 Var)

- 44 c BAFTfCA Aneiiwald mss ex Willk in Scilichid Bor Zing VI 414 f - Spica
 m ascula lanceolata, foemineis tcibus oblongis, suprema (minima) subsessili, caetens

breviter pedunculis, infima (maxima) valde lemota, sigmatibus tibus, fructibus ovalis inqueins mucronalis enei vns, squama ovata mucronali majonbus — Radix cuspisosa Culini 2—2½ ped longi, superne tngom & tnat laeissimi Folia rndicalia linean-lanceolaia acuminota nervosa, margine scabruscula 3—4-pollicana Folia cau-hm tripolliqam Sptcnrum foeminearum infima folio flornli 2¹/₃ pollices longo suffulta, 5—7 poll a media lemota Squamae foemineae ovate naviculnes ferrupineae ncrvo medio vilido viridi o\cuirente miici onalae Squamae masculinne ovato-ellipticae oblusis«imac pinnae ferrugineae, nervo medio vmdi sub apice evnescente Fiurlus ovii triquetri bieviter roslrnli lufdi sulxnuvn lostio omnino Inevi — Spp-(los iftms *L. julvae* Good ot *Ifornschnchiannt* Hoppe, sed ab ambabu* squamis foemnejs mucronilis fiuclibus enei vns ovatis bicvitei ncuminalis, rostro omnino lacvi sins dtstmcta — Crescit in Sierra Nevada in paludibus prope Cortijo de S Gerommo in Hispam

- 25 f ARDOINIANA De Nolans, Ann des sc nat (3 Se>) IX p 324 — Radice caespulosa loins ngidis glaucescenti-vjndibus, maigine scabridis, culrao acute tnquetro iincquilaicii heviusculo, spica mnscula soliaua triqueiro-lanceolala, spicis foemineis bims remoiis subsexflous, suprema bievissimc, infenore exserle vel incluse pedunculaia pedunculo subinde longissimo, flonbus rcmotiusculis subbifams, axi tnquetro fiictifl\o insidentibiTs, braceis foliaceis, infima vaginante, suprema sessjh vel vagina brevissimn insiucia, s pi cam masculam longitudine aequante vel supeiante, stigmatibus iribus, fructibus obovato - tiiquctns plunnerviis, in rostrum perbieVe conoideo-cylindinceum decuivum truncatum antice inlogrum membra no ceum dorso breviter inusum prodiictis, inter nervos laierales validiores supeine sub lente scabridis, caecium glabii» squamis membranaceis, fascia vmdi tnnervi in mucronem triqueirum sub lente scabndum producta anstalis — Crescit in pnncipatu Monncensi, prope Mcnton

1) *Africanae*

- 26 C bCHINOCILOA Knlli mss e\ A Richard, Tent flor Abyssm II 513 — CulP< erecto sesquipedali tnquetro laevi, folus late lineanbus acutis, culmum aequantibus aut superntibus, retrorsum scabns, pamcula lerminali contracia e spicis parvulis numeiosis andiogymis loimaia, squamis ellipiicis virfdibus, apice sensim longe subulate scdbris, utnuculis ovoideis apice lostratis bidentatis costalis scabns, squamam aequantibus, stigmaibus tibus — Afflius *C. cwvosae* All — Habitat ad murginem nvuloro⁰¹ et stagnorum Afryssimae
- 27 C PFTITIANA A Ricbdrd 1 c — Caudico subteiraneo horizontali repente, culm¹⁸ folisque caespitosis erectis glaucis, culmo acute tnquetro glabro laevi, folus late ^{u*}neanbus acutis glaucis glabns laevibus, vix maigine scaberulis, spicis 3—4 androgf'' ms teretibus obtusi» densifloris, basi masculiflons, caeteium foemmiflons, squtuffl* ellipticis obtusis, npice abrupte et longiuscule mucronatis, doiso viridj subtrinervi^{lf}> lateubus tenuibus castneis, umculis mflatis oblongis tuquetris glabns rosiratis, ^{'''A'}mntibus tibus — Habitat in Abjssimiae monlosis provinciae Ouodgerate
- 28 C SIMENSIS Hochst mss ex A Richard 1 c 514 — Culmis caespitosis tnqueinf' laevibus glaucis sesquipedalibus, folus late lanceolatis acutis, culmum ^{aequant^{f11*}} subconaceis glabns laevibus, subtus nervosis, spica mascula unica termioali, ^{foem-}neis 4 breviter pedicellatis superposms gracilibus, folus elliptico - acumtnatis, ^{dorso}VIIidi subtrinervus, caeterum feiruginei^ tenmoubu*, utnuculo oblongo tnqueiro, ^{P¹⁰}longe rostiato bidentato, squamam superante glabro, stigmaibus tibus — Ex ^{affl^o}tate *C. extensae* fit *fulvae*. — Habitat in Abyssimae pionncia Semiene, in praiffl ^{brum}dis montis Bouabu

- 33 C OLIVACLA Liebm 1 c p 79 + — Culmo 1/a— 2'/2-pedali giacili llexuoso tnqueiro glabio, Imi foliato, folii* bnsilaihus unoque caulino culmo bievioribus anguste lineanbus longe acuminatis cannatis, npicem veis»9 tanna maigmtqite scaling, spico coraposita icilmnali 1—1/a-pollican, spiculis 3—5 adpnssis cvlindncis biactealis, terminal] 9—10 longa androg\m, basi mnscula (mterdum spin huralis pruxima eodem modo androg\na fit basique mascula), iaieialibus foeminci* scnopollitanbus, supenobus sesmlibus approximate, infenonbus lemotioubus bicvjpidunculis, brauei* foluceis plains tarinatis, oanm maigmeque scabus, spua In evioi ibu*», squamis mat>ulis oblongis obtuse, doiso iniievjis fu«cis, laienbus diluuoibiii, maigine stations hjalinis, stamibus 3, squnmis foemmeis pdhgynio bicvionbus o\ato-lanceoluis acununalis* cnunais contavis, doi&o tunoiviisolivdceis, nervo medio uuisuin siabudo, htrnbus dilute fuscis, uniginc hjamo, pengynio stipilaio tompre^iusculo tllipiiLO - tuqueio rosiliaio glabio oliv iteo, icsiii ore einaiginato, latenbus neivostis, jutico piano, po^liti» con>oxis, tai\op<?i laic olJiptica slylo persisieito terminata Jatenbus planis **subtilis, sime** punctulatis, fusca opaca, pengynio ^rla brevior, slylo jncltso, stigmalibus 3 fuscis **exacer-** tis — (libitai in Mexico (Ouzaba, elovaiione 10000 peduna)
- 34 C MACULATA Liebm I c SO + — Hhi/omate ciasso obliquo repente stolonifeio, rulmo 2—3-pcdali triquulro ghlro, basi foliato, folns culmo bievionbus late lineanbus 4—5'' htis ciiimiis complicais ngidis glaucis, sursum carina nmgineque scabiii, **la^Mii>** mcinbiamccis Hicidi^ oio roiiindnus, lacemo laxo, spiculis 7—10 in axillis bncloanm pldnmqp geminis, infimn remotion, "iimmis solitarus, erectis dein pendulis 1—1'A poll lonpi* deusiflons andiogyms, apice masculis, cylinducis oblongis longe poduiicnhtis, pedunculis tllifoimihub flexuosis scnbns 4—2—1-pollicaiibus, **folns** floral/lms spiculfi> ^uas superanlibus, vaginis ant ice sphacelatis, ore excisis, **squamis** nmculis hio ovati*. ob'usi<?, neivQ carmali flavo-vire<centr l.Uenus fusco-atjopurpu-rois, maigine b\alino repando, stiminibus 3, anlhens lineanbus flavo-tuscis. squam³ foem piulis peiigjpium subaequantibus o>atis, peugynns compressiusculis plano-coincxis olbpluis binuosii itis nervosis, dngulis aculis scabiiusculis amice et **sursum** atro-purpun o-macuh¹, rieteiini iuscscenubus, lalonbus granuhto-a<?peratis, **rosti** oic hi 11 do caiyopsi (Ilipiico-tngona ipiculala, t>i\la brevi ptibislinle leiminata, lato* rihus conve\is fuscis subilissime punctulatis, &tylo incluso, siigmatibus 3 fuscis al-so us — Habitat in Mexico (Ouzabn, devatione 8—10000 pediifn)
- 35 C CORTESII L cbm I c p 80 f - fulmo 2—2'/a-peddlitnquelro, angulis scabriB. basi foliato, folns culmo longionbus. giant o-vindibus cannalis, cauna subtus, oervii supia margine scabn^, vagimt. mtice dilute cinriamomeit> lenuitei membranaceis; rll' cemo la\o, spiculis numerosis (tut 20) in axilla foln florahs terms longe pednncu-lalis jridrogym apice mnstulis, folns Jloialibus lorigissunis **ASI** vagmantibiis, vugin⁶ oie piofunde exciso spbacelalo, supeionbus ^efTceis, spiculis suis bievioribus, P⁶ dunculis flifoimibus scabns, infrioribiii. 3-pollicanbus suisum brevionbus, spicul⁹ 2-pollicaubus flexuosis subcjindntis acutis densis&imillions, squamis masculis ovat<J' lanceohtib aculis umnemis, npivo carmali vnidi, latenbus fuscis., margine hjalin^o» stamibus 3, anlhens lioeanbus fuscis, squamis foem. patulis oblongo-ovalis **CO*** cavis birvimucionatis, mucione stabio, nevo cannali \indi, lateubus castaneis, n¹⁰¹¹¹ gine apuem vei^us uliolaii* pengjmib squamani aequaniibus anguste elliptic^ ¹¹¹¹ gonis paiuin tompiessis bitomcxis 3-costatis rosiraiis fusco-stiammeis glabus, **TO*** ore bitdo carxopai cllipiita trigouu stylo peisislenle leiminata llavesceute **gtabi*** laienbus con\t\nibculi5, sljlo caijopsin aequante inclu&o, sli^rmalibus 3 fuscis **P^{Bfo}m** **exsctis** — Hnbilal in Mexico (Ceiro de Sempo Alteprc, elexanone 10000 pediim)*
- 36 C CHORDALIS Liebm It p 81 f — Culmo 1%-pedali inqueiro apicem **veran** angulis scabns, basifolialo, folus culmo longionbus bipedalibus el Jongioi ibii* **anguste** lineaubub convolutia caiinaus ncitosis pallide \mdibus, neivis aulice, canna **subro** margmeque scabne, vugin's fluiice tenuiei membranaceis dilute unnamoineis; **racome** laxo diffuso, spicuhis numerosis (20—30) andiogyms, apice masculis, longe **pedunculat**

longibracteatis, terms quaterms in axilla foln florulis, folns floribus longissimis usque ad 2% - pedibus, sursum in biacteis setacens biev diminut.s, basi raginantifous, vagina antice merabranacea rufescente excisa, pedunculis filiformibits scabns flexuosis 2—3-pollmubua, spiculis tnpollicaribus tenuibus flexuosu dens.floris, squamis misculis oblongn acuiis uninervws, nervo cannali strammeo, lalenbus lufescen-¹¹is, siaminibus 3, anihens lineanbus fuscis, squamis foem mascula duplo mjonb»i ilougato-ovatis breviter mucronalis, nervo medio vindi, laienbus aiosangumeis ptngjniis elliptic^ obliquis compiessiusculis rostraiis glabns fusco-siumiireis *rosin* ou bifldo, latenbus convexis, caryopsi ohovaia tugona stylo persi&tenie te'minatn Incubus coiuexiusculis, fusco-suamirifa^tvlo incluso, sligmatibus 3 juscis *exserus* — Habiit in Mexico (Oaxaca, Hacienda de Castresana elcvaiione 7500 pedum)

- 37 L MELANOM»ERMA Lubm I c p 82 f ~ Caesp.losa ihizomate c.asso obijquo repomestolonifeio, calmo 3-3¹/₂-pedali tnqueiro glabro, basi foliaio, folus bipedalibus * litis complicaus carmalis nervosis, ncru* supra, canna mfa margiruqc stabns jagmis lenulei membianaccis iufe»cenubus antice inietc fbiillosum soluus racemd laxo, spiculis numerosis (cue 20) terms quatein.sve maxilla foln HoiaJis' bro.ter nednnculatis androgyn.s, apjee masculis.s, (bins (loralibus mflmis long.ss.mis basiia^i-mnt.bus, vaginis ant.ee oxc.sis membranaceis fuses, soparionbui multo bretioribnV peduncul., tr,que<nsscabns 1-1% poll long,, ,pieulu bipoll.oar.bui flotuo... *TeZl* no. .s squimia ma.ci.lis oblonga carmaus brevuer mucronat.s, dono ka<nbusque fuTs maig.no pall.d.s, squg.m., foom.ne.s squarros,8 lanreol^s m.,cronat., mucrone c Z 0 , cal.ro, rutts, per.gy^us squamam subaeqnanubus oioto-ollipUu. obl.qms recumio^ •tnt obsolete trtgon.s nervos,8 glabr.s sirammo.s, ,oSlr, ore obier MoLoTrrooli obovaia tngoaa oblnaa, sul, baaKmmu.a tormioaia, laieibna comex.s, nigri subtl-aimo punclulata, atigtmubua i fuscis exstri^ - Hnbitat in Mexico (Titu.ulland.af Putbln)

- 38 (NJBCHCULATA L.ebn. I c p W + - faesp.iosa rfaiiomaio cra₈so oblmuo repmte siolonifero, ladicuhs numeiosas villo flavo dense obsias pm.iicnte culmis 2-3.pedalibus tngonis, angulis sursum acabns, basi lohatis, fohis culnum neq'uantibus 3-4' ims revolulis nervosis laete viudibus ngidis, canna subtus neiv.s ant.ee margme scabris, Tagin.s tenuitei membi anace.s carnco-ftrrugineis, oio obliquis lacemo^{1oio}, spiculis numerosis txserte pedunculalis andiogynis, ap.ee masculis, in axilla foln Uoialis tern.a, pedunculis triqueins scabns hipollicanbus su.sum biev.oubus numo-stathy.s vel 2-3 siachyjs, spicula una allerave ptbiev. Inteiali .es^li instruct.s spiculis 2-3 poll longis cjindrMs Oeuxosia dens.ss.mis, M.is floialibus spita*'suns suptiantibus, ca.ma ma.gineqc seirulat.s, tasi culmum amplectenubus», ore fusco rolunduo-exc.so, sin sum m iuacteis setaceas breves uanaeuniibus, squauia masculis oblungis mucionulalis, doiso 3 nervio fusco, lalenbus sublnalmis, sinmmibus 3 an-Her.s longia lineaiibus fu->c.s, squamis foem duplo minionbus ovaio-lanceolaus bre|i mucronulatis, dorso 3-nervio Uavido, latenbus pallide fusio-sangulne.s, per.gvnns squa-^{mn}9 O(qnaniibusturgidis obovatih lotundato ingonis bieviter rostrat/s, angulis cosiat.s, ateribus soid.de ferrugineis lubeiculntis, rosin pall.dions oie hjfldo, latyops. ovata tngona stjlo pnsislinic bre|i termmaia, do.so convexa, latenbus duobus subplams, violacLO •casiancn opaca sublisbime gramilata, angulis flavidis, siigmaiibus 4 fuscis exse.tis — Habiit in Mexico (Chmanil^ disti Puebla)

- 39 C AGROLEPIS Liebm I c p 83 — Cnespuoaa rbizomate tepenie stolon.fcro, c uimo pedal, graoli tnqueiro gbro, bis. foliato folns lulmo brovionbus aneusie j'neanbus giammeis, margme caimaque scrtbns, vaginis bievibus fuscii, amice in j'nd e Hbnllosum soluus, panicuhs nxillnbus termmlique longe peduncuhiis, folus j'co nlibus longibsimis pamculns supeiandbus vagmat.s, voginis a«peratis, amice ore sfi anoso exc.so, pedunculis infenohbus uipoHicnbus scabus suisum bicvio.ibus •P'ce sub-3-8iachyis, spiculis andiogynis apice mascnlil bievijtceildlaiis basi bnctea s'ca ca scabra suffultis, circ 4' longjs, squamis lanceolatis longe muonaiis neivo-

- sis, mucrone scabro, dorsoviridi, latenbus fusco-stramineis, pengynus squama longioribus fusiformibus tngonis rostratis nervosis glabris vindibus, ore rostri bifido, carjopsi elliptica tñqueira siipitata styli basi persistente terminata, latenbus plams atrofusis subulissime punctulalis, angulis flavidis, stylo perbrevis incluso, stigmatibus 3 exserlis — Habitat in Costa nca
- 40 C ORSTCDII Liebm I c 83 — Culmo 2—2/4 pedali grncili flexuoso triquetro glabro foliaio, foliis culmo brevionbus anguste linearibus complicatis cannatis nervosis, nervis mnfice, canna postice margme scabns, paniculis distantibus axillanbus terminalique longe pedunculate, foliis floialibus culmo longionbus (lislantibus, internodus saepe 8—9-polhenribus vaginatis, \ aginis glabns antice membranaceis'scnosis, oie auriculatis fuscis, pedunculis axillanbus singulis gemimsve, inflma 6 - pollican, suisum ðrevionbus compressis deorsum glabns, Mirsum scabns, apice 4—5 - stachyis, spiculis subsessilibus disiichis androgjnns, apice masculis, 6—8 longis, ba&i bractea setacea scabra spicnh brevioie suffullis, squ imis foemineis pñlulis late lanceolans longe mucionatis cñnnatis multinei vns stinmineis rufo - lineolalis pubeiulis, mucrone cannaque scabns, squnmia im*culis imbnatis bievius inucrunatis, pengynus squama longionbus ellipticis inqueins rostratis neivosis fuscis, rostrn angulis spiise ciliolatis, demum glabris oie bitldis, carjopsi siippiata elliptica uiquelra, laleribu* plants, fusco - nigra subtilissimc granulala stigmatibus 3 exseitis *- Co&la nca
- 41 C ROCMTRIANA Scheele, 1 innaea XXII 346 f — Radix stolonifera Culmus erectus triqueici glabci lae\is» pedals — sesquipedalis Folia basi vagmantia mullistnata glahra laevn ghucescentia, culmo multo brevioia accrtscontia, inflma squamaefoimia iinervia Riactae loliacene decrescentes, spicam longe excedenies Spicae quatuor giacilts cylindnae longe remolae, inflma foerainea, subscuens andiogyni, apice m ischuh, supLnores masculae Stigmata tna exserta bpica foeminea et androgyna ppdunculalc Squamae foemiiiede ovaio-oblongae mcmbiaiuicac flavo-fuscae glabrae, cauna vmdes cuspidato - austatac, ulifculo immaluro longiores Utiiculi immaturi oblongi olivacn glabn rostrali obsolete ncrvosi, rostro bidentato Spicae musculae sessile-?, summa bractea brevissima hyalina nnstata spicam amplelcnti mstiucta Squamae misculae oblongae flavo - fuscie glabi ie, maigmc anguste albo - scauosae, bicviicr cuspuhto -ansiatae vel aculae Aniherae longe cxserlae — Crestit in Texade pi ope Neubinunfels — Ex afflnitate C paludosae
- U C GRAYII John Caiey, Floia (R I) XXXIII 80 — Spica mascula solilana pedunculatd, spicis foemineis 2 globosis densi- (25—30-)flons excscite ptduncuKitis stigmatibus 3, pengynus deflexo - patcniibust ovatis ventu^osis multineivosis rostriatis, oie bifldis, squamam ovalam hjdlmam mucronatam tuplo superantibus — C inlumescens P glubulans Asa Gay — Ihbuat'ad upas fluminum Mohawk ct Wood-cieek, Nov Eboi Occident
- 43 C PLATYPHYLLA John Gaiey I c — Spici* quatuor, imscula 1 erecta gracili P^e dunculatd, foemineis 3 eieclis flifonmbus laxt 3—4-lions incluse pedunculdlis, OU' piema raasculae appioxiniata, caetens icmotis folioso-bracteatis, biacttis spica⁹ paulo «uptraniibus, stigmatibus 3, perigjnns inqueins oxalibus siriatis bic\issim«rosiellaiia squamam o\atam hjahnam aculam vel mucioMiam subaequantibus, ^{ol>e} obliquo integro — Habitat in declivibus umbiosis Nov Angl et Nov Ebor

t Icone* addendne speoieruin Boreali-Amerieanaruin*

- C CAREYA^A De^ — A Gray, Manual of the bot of the Nonh Unit Staates 554. ''
72 — TOM FIOI of New York II 409 tab 145
- C GRIM TA Lam — A Gray I. c 549 no 49 — Torr I c 389 tab 143
- C DELOMPOMTA Mhlnbrg — A Grdy I c 540 uo 15 — Toir I c 379 tab 142
- C SUBULATA Mchx -A Gray I c 563 no 114 - Ton I c 391 tab 144
- C ThNTACULATA Mhlnbrg — A Gray J c no 109 - Ton] c 395 tab 145

LXL imrCISriA Pen.

(Knih. Enumer. II. 524. — Wlprs. Annal. I. 919.)

- ¹. U. JAMAICENSIS Pers. — Kntb. 1. c. 525. no. 2. — Liebmann, Mexico Holvgraes p. 84. t — Radix longe mbrosa; culmus iy_a—2 - pedalis gracilis trigonus glaber striatus, basi folialis; folia culmo breviora pinna 4''' lata o(flba nervosa glauco-viridia, nervi* carinaque utrtunque margine scabra, vaginae suffl^llicarcs glabrae, ore rotundato-excisne; spica stricta pennom columbariam crassa 4 poll, longa densiflora androgynae, apice mascula, ad basin plerumque nuda (semel modo bracteam setaceam observavit auctor); squamae masculae ovaiae obusae coriaceae carinatae, dense "striatae fuscae» mdrgrine albidae ciliolatae; stamina 3; squamae foeminae oblongo - obovatae masculis majores, .caeterum s.imiles; perigynia squamas subaequantia obovato - oblonga compressa piano - convexa, basi attenuate, parte superiore leviter puberula, angulis acutis fasciculato - ciliatis, ore tryncata fusca stricta; caryopsis obovalo - oblonga compresso-trigona fusco - castanea, lateribus convexiusculis, angulis dilulioribus, a^ice truncate basi slylina dilatata griseo - tuberculaia terminata subtilissime punciolata; stylus inclusus caryopsi brevior fuscus tuberculatus; stigmata 3 exserta fusca; arista perigynio duplo longior, apice hamata glabra, amice canajiculata, postice convexa fusca. — (Character. emendat.)

† *Cyperacea dubia.*

- ¹. CYPERACEA?? Schlichd. Linnaea XXI. 445. + — Spiculae 6 allernae, unaquaque sessilis in axilla bractearum basi vaginantibus ovato-lanceolatae arislato - acuminatae nervosae brunneae cum caulibus ancipitis angulo utroque minutissimis papillis pellucidis obsitae. — In Nova Hollandia ussurali.
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Ordo CCLXXIX. GRAMINEAE *Juss.*

(Endl Geo plant p 77, Supp⁰t> 1352, II p 7, III p 57 — Meisn Gen pi vascul I 414 II 316. — Kmh Enumer plant oran I 8t Suppl — Wl>rs Annal I 921)

Tribus I. ORYZEAE Knth 1. c. I. p. 5.

728. *IEERSIA Sol and.*

(Knth Cnumei I 5, Suppl p 1)

- 1 L ABYSSINICA Hochst mss in A Rich Tent a Abyssin II 356 — Folus lineau-lanceolatj* aculissimis ngidis, margine vaginisque retrorsum scaberrimis, ligula membranacea bievi obiusa miegia, pamcula subconiractar, spiculis quasi imbncatis, palea infenoic caunata coupie&sa acuta, dorso margineque spinuloso-ciliata, staminibus sex — / *Luz menus* Pi si Heliq Hnenk I 207 ? — Habitat in Abjssinia
- 2 L DISTIFHA 13nth in Hooker, Nigei Floia 556 f — Pamcula giacili etTusa, **spicula** appioxiimiii distichis, paleis raargine nudis mulicis, carina brevisMme a^pero-lurta, stamimbus 2 (vel 3²) — (rescit id lluvium Nun in Attica tropica occidental!

728*i.* AJtf\CHYRIS A *ab L.*

(N ab E in Hook Kew gard raise H 103)

Spiculae umflorae, dorso convexae Glumae nullae. Valvulae **duae** chartatae, mulicae clau^{ae} subaequales, inferior amplior **acutiuscula**, arete amplectens supenorem, 5-neivjs, nems prominentibus, sup^{en} nor paulo brevior, obiusa, dorso concava, tnnervis, margmibus me^{*10*} bianaceis dilatatis mlle\js genitalia amplectens. Lodiculae ..? St<<mina tna. Ovanum glabrum Slyli duo ba&i connati. Caryopsi^z Jibera, piano-conve\ a (ovahsr), ^alvullis clausis tecla — Spiculae in rb>>chibus dilatatis planis acuhs secundae, racemosae, pedicellis bievibu^s distachyis, hinc spiculae quadiifanae. Racemi proprn in racemo p^{0a}^ stachyo denso dispositi (\8—20) ad orlum barbati Culmus se>q^u pedalis teres paucinodis, nodi glabn Vaginae laxiusculae stnatae, fenor aphylla, quae sequitui microph>lla, folia media lineana, p^{'a}na acuta, supra praesertim basin versus et margine longis pihsⁿrs. ut^z Ligula in pilos densos soluta Racemus terminalis exsertus, 8 lm ^ gus, lanceolatus acutus contractus Rhaches propnae mediae ^p<<cares vindes lineares cum acumine Spiculae confertae, y_a lin. **longa** ovales apice angustiores, doiso exquisite qumquecostatae, albae rff^z dulae, hinc conca\ae. Antkerae fusco-puipureae. Caryopsis v^s **longa** longa obtusa asperula lutea, scutello y₄ breviora depresso.

1 *A PASPALOIDES N ab E I c - Habitat in Brasilia

739. PHARUS P. Br.

(Knth. Enumer. I. 16, Suppl. 13.)

- ¹ HI. VITTATUS Lemaire in Van Houlte, Flore des serres IV. tab. 516.— Humilis solum-niferus nquatinn, lotus atropurpurcn«: *Miis* obovaio-lanceolatis vel rhomboideis acuminatis feneslratinu reiiculalo-veuoso-sliiaii^Jaote albo-vitalis coriaceis, petiolo brevi piano membranuceo torso (ila ut *fades folii* supra flæt infera); panicula ampla ramossissima, tola scabiidn; pedunculo (ercti striato longissimo; floribus maaculis hexundris minimi's superis pedicellaiis, foemineis inferis subsessilibus, palea inferiore elongato-IOsiraia pubescenie, glumis multo longiore. — Habitat in Guatimala.

Tribus II. PHALARIDEAE Knlh. 1. c. 18.**742/., REAJVA Brign. a Brunnhoff.**

(Rigooli a Brunhoff/ Flora oder Allgem. bot. Zeit. XXXIH. p. 400.)

Flores monoici. Masculi terminates panictilati; spicula biflora, flore altero sessili, altero pedicellato, staminibus sex. Foeminei axiliares spicati erecti, sessiles in axi fluxuoso, bracteis imbricatis ad medium usque involuli, stylis longissimis exsertis pendulis, paltespicuae superiore aborth • exserta. Caryopsis curvo-tiigona, axi arete adhaerens.

- I- R. GIOVANNINI Brign. n Brunnhoff. I. c. — Foliis amplexiculibus canaliculatis angustis integerrimis longissimis. Annua. — Habitat in Mexico.**

747. ALOPECURUS Linn.

(Knth. Enumer. I. 23, Suppl. p. 18. — Wlprs. Annal. I. 922.)

- ¹ A. FLACIALIS C. Koch, Linnaea XXI. 382. f — Caespitosus, thyrsus excepto glaberimus; thyrsus oblongus, ad basin saepe interruptus; spiculae inferiores saepe steriles; Rluma ulrnque aequalis villosa, ex apice acuminata divergens, palea major, sed ab ^eJu&dcn arista supernta; palea ex parte suprema villis singulis obsita, ex apice tridentulata. — Affinis *A. antarctico* Vahl. — Crescit in montibus Ponticis.
- ² A. PONTICUS C Koch I. c. + — Perennis: folia lineari-acuminata, vaginae supremae P^a«liilum aut neurqunm inQatae; glumae villosae lanceolatae aristaio - roucronatae, arⁱ«tam suam longe superantes; palea inferior ex apico recurva, ibidem exlatere ulro-^l«e dente instructa. arista longe excedens, palea superior linearis. — Crescit in **montibus Ponticis.**

749A. BECKER A Fresen.

(Fresen. Mus. Senkenberg. II. 132. tab. 8. — Endl. Gen. pi. Suppl. I. p. 1353.)

- ¹ B. ^aJ ramis erectis ramis, nodis tomentosis; foliis lanceolatis acutis pilosis, margine

- retroisum scabemmis, vaginis stnatis nervosis scaberrimis, versus partem supenorem pilosis ciliatis, liguia membranacea brevi dissecta pilosaque, spins gracilibus distan- tillons longe pedunculatis 1—2 e vagina foliorum supremorum erumpentibus, spiculis alternis pdicellatis tlori^ato-lanceolatis, rhachi pedicellisq; scnbris, lepicenae squa- IOIS minimis multitis, palea apice integro setifera, mtenore apice acuissima — Habi- tat in Abyssinia provmcia f hire
- 2 D POLYSTACHYA Prescn 1 c — A Richard 1 c — Annuu CUILQ erecto basi geni- culato simpliu aut i a mo so sesquipedali, folus lanceolatis sessilibus acuiis, margine ictrorsum scabiiSj pilis mollibus conspeisis, vaginis laxiusculis hevibu&, veisus par- I em supenorem pilis conspersis mollibus orndta(?), liguia membianacea apice lacera, spicis giauhbus subdisiiaclitloris longissime pedunculaiis 1—2 ex vagina foliorum su- premoium erumpenlibus, spiculis alienus bievissime pedicellalis, pedicello apice in- crassato, spiculis oblongis acutis semibiflons, basi nudis, lepicenae squajnis minimis enervus el exanstaiis, palea oblongo-lanceolala, margine mvolvele 5-nema, apice bifldo seu longiuscula terminate, nervis laieralibus ciliatis, palea mtenore apice la- ceio-mucronata inneivia — Habitat in Abyssinia in montosis piope Adoua prov Ouod- gerate
- 3 B MUTICA Hochst mss ex A Rich 1 c 359 — Perenms culmo erecto gracili bipe- ilih nodoso, nodis inflalis Dims, foliis lineaiibus piloso-cihatis scabris, ligula mem- brnnacea elongnta, vaginis pilosis, spicis elongalis giacilibus, spiculis allermis breviiar stipintis caducis, stipiie persistente apice incrassalo, lepicenae valvulis brevissimis suborbiculaubus, apice oblusis subdenticulatis, palea exienore lanceolala acuissima mulica, inaigne mvolvele violacea 5-ner^ia, nevis su^spinosis — Habitat in Abyssii- mae umbiosis et antns monlis Taber, in prov Semiene

750. PHL.EUM Linn.

(Knth Enumer I 27, Suppl 21)

- 1 PHL (*Lhilochoa*) MONTANUM C Koch, Linnaea XXI 383 + — Peionne caespitosum thyrsus cylindncus pollicaus, spiculae subsessiles, glumae lanceolaiae truncalae ari- siatie, ex carina bicviiiei ciliaiae, ex maigine membianaceae, flosculum obtusum in- cludentes nee duplo superanlcs. — Aflne *Phi annuo* M B — Ciescit in Oriente sep* lenlnonali (Arlwin)

Tnbus III. PANICEAE Knth. 1. c. 40.

761 PASPA.IJJI Linn.

(Knth Enumer I 40, Suppl 32 — Wlprs Annal I 9 U)

- 1 P FERNANDEZIANUM Colla, Memone di Torino XXXIX 27 f t 59 — Spicis **geminis** eieclis, alteia pedunculata, altera sessili, rhachide plana 5-nevi subundulata, ffloribus **alternaiim** ad utiumque rhachidis marginem approximatis o\ato-oblongis glabri3^{und} nervus aculiusculis, folus anguste lanceolatis acuminatis vagmisque longe **c** **lat** **^** culmo humili crassiusculo subramoso — In Chili
- 2 P SERICEUM Scheele, Linnaea XXII 341 f— Radix fibiosa caespilosa **Culm** **2-3** pedolis erecius compiessus sliialus glaber Jacvis simplex Folia plana elongate **sub** **bas** lato-acuiata laevio, supra pilosa, subius glabia **^odl** lomentosi. Vaginae laeve<

pubescentes, oie barbatae Spicae 7 alternae lineares multiflorae remotae, rhaihidi
^aPPiessae Axis (i e culmi pars flonfera) elongatus flexuosus pubescens scnber
 Rhachis inarticulata plana ciliata spiculis angustior Spiculae unilaterales bisenales
 cum pedicello ailiculatae Pedicellus breussimus apicem versus incrossdius, pilis al-
 l~~S~~ elongatis eiectis hirsutissimus Spiculae ovoideo - oblongae senceae bifioiae
 Gluma una membranacea ovaia tiintrvis sencea mucronaia, flosculo hermaphrodiio
 longior Flostulus mfenoi neuter 1-paleaceus membranaceus, palea foima, longilu-
 dme el consistentia glumam aequans Flos superior hermaphiodilus 2-paleaceus co-
^rtiLeus inuticus ovoideu:*, palea infenoi ovaia supenorem oblongam ampiiciens Sta-
^mna tna, ovnrrium glabruui, slyli dud liben, stigmata aspergilliformifi — Cresat in
^ocis bumidis prope Neubraunfels in Texade

³ ^f 6ARDNERIANUM N db E in Hook Kew gard misc II 103 + - Racemis plunbus
^l—4) alteims falcatisque, basi bdibalis, pedicellirhulls sub spicula baibads, rbachi
 plana obtuse cannaia undata, margine setosa, spiculu> geminaiis laiitudine aequali,
 spicujis obJon^o - o^alibus, gluma nullal valvula neutra (gluma vulgo supenore) lenui
 puberula tneivia, nervo medio obsolete), folns culmo stucio mully brevionbus glabris,
 •uerioubus confetis, a basi argute acuminaus plants, margine caillagineis atticlia,
 culmeis paucis parvis, \agims radicaibus basi holobeuceis — Habitat in Biasiha

¹ ^p EFFUSUM N ab E in Hook 1 c 104 f — Racemis plutibus (15-20) brevibus di-
 stantibuj, patentissimis aliernis medus vel opposiusve fasciculato-verticillaiove-lernis, in-
 "niis saepe a vaginis prozimis inciuisis, rhacfai plana, margine basin versus ciliaia ip-
^{sa}que fiasi haibain, spiculis laxe quadribenatis maeqaAliter longe pedicellatis paulo
 loiore, glumis (/a lin Jongis) oblongo - ovalibus acutiuscujis subtiliter pubescenlibus
 irinervus (luiescentibus), vaginis fauce barbatis tuberculato - hirsutis laxls, folus
 lineau-lanceolatis acuminatis planis, supra spar>im pilosis, sublus puberulis glabnsve.
^{Ca}ulo ramosissimo diffuso — ~~...~~

⁵ ^p HLCIUM N ab E in Hook 1. c f — Spica solilana (an et nleia') recia, basi bar-
^{ba}t a elongata, rhachi ingona dorso convexa glabra, spiculis geminatis angustiore,
^{glu}m is aequalibus oblongis obtusis tnnervus glabris y culmo fliformi recto stnclo
^fis que ereciis subadpressis nnguste linearibus glabris, vaginis ore lanatis — In
 <ras>ilia

762. JttlliltJISE Linn.

(Knth Enumer I. 65, Suppl 45)

¹ ^{*} SCHMIDTIANUM C Ko6b, Lmnaea XXI 438 f - Q>'>di - quinquopedale et ultra
^{ol}herrnnum folia plana, ligula ovala acnta instructa, rarai semiverticillati 4—6, m-
^{ae}quales mulliflon, spiculae asperae, glumae tnnerves oblongae aculiusculae aequales,
^{pa}uulum Uosculo obsolete tnnervi mdjores — Crescit in Giusia.

768. VROCHiOA Pabs.

(Knlh. Enumer I 73, Suppl 54)

^t ^U ^p ANICULATA Bnlh In *Hooker, Niger Flora* p 558 f — Pamculae rarnis gracili-
 bus ^p euonb «« verticillatis, spiculis fasciculatis pedicellatis, glumis gFabns, supenore
 marg ^l 6 Ciliae flore< f lo
 Habita: iue maiouib mucronatis, hermaphrodii arista note longiore. —
 III. m ^Jgrttw.

770 PAHricUJNI *linn*

(Kntb Tnumer I 75, Suppl 57 — Wlprs Annal I 923)

§ 1. Racemo simplici spiciformi

- 1 P SPICIFORME Hochst mss in A Rich Tent (or Abyssin II 359 — Culmo erecto simplici gracili spumamaeo, foliis junioribus angustis glabris ereens, panicula contracta spiciformi lacerata bievii, spiculis pedicellatis conglomeratis glabris, lepicenie vilula infero nervio ovata acuta 5-nervia, nervis vinctibus, internodiis longioribus 5-costati, costis laevibus vinctibus, ligula hermaphroditi palea extensa parva laevigata — Habitat in Abyssinia locis paludosis in planitie montium provinciae Clire

§ 2. Spicae gemmae

- 2 P PSEUDOPANICULUS N ab L Del semm hort Viatic 1850 coll p 3 adnot f— Spicis binis illecebris sessilibus unilobatis, spiculis geminis abscissa bilobis, rachis convexa subtus concava spiculis angustioribus laevibus, gluma inferioribus illoculis implexa quidiuplo bievio ovata obtusa, in superioribus sensim major caudata - cucullata, gluma superiori ovata convexa 3-valvula flosculi stenilis plana 3-nervi pubescentibus, flosculo hermaphrodito subfillosissime ruguloso, culmo obliquo nervis dissepimentis glabris, foliis lanceolatis imbricatis acuminatis ciliatis, supra spiculis villosis — Ligula et margo vaginarii bispicatis — Affine *P monoslachy* Hitchc — Kntb — *Paspalum mottoslachy* Hort — Habitat

§. 3 Spicae allernae seu subdigilato-fasciculatae.

*Squarrosae yallexsque mutioib**f Floi c neuli o unipaleaceo*

- 3 P ABYSSINICUM Hochst mss ex A Richard I c p 360 f— Culmo erecto bipedalibus, foliis lanceolatis acutis pilosis ligula membranacea integra, vaginis biniis, spiculis 10—12 gracilibus alternis aut suboppositis in apice culmi racemosa simplicem maniibus, rachis luteo-rufo, angulis scabris glabra, spiculis geminis, lepicenae multicaulis ovata ovata acuta brevissima, internodiis ovato-oblongis, illoculis brevioribus inaequalibus glabra, floris neutrius palca ovata oblonga acuta 5-nervia glabra, hermaphroditi elliptico-oblongi acuti palea extensa tenuiter secundum longitudinem sulcata — Habitat in montibus opacis ad radices septentrionalibus montis Selleudn Abyssiniae regno Tigre
- 4 P FENCSTRATUM Hochst mss ex A Richard I c p 361 f— Culmo erecto, ramis sesquipedalibus, ovato bipedalibus, in parte superiore pilosis, lacinis lanceolatis pilosis, margine undulatis, ligula membranacea, nervis pilosis, spiculis alternis aut suboppositis, rachis tetra alata, alia denticulato-scabris, pilis quadrangulis longis dispersa, spiculis geminis maxime vaginis, nunc omnibus glabris nunc una glaberrima, illecebra dense ciliato-lanata, nunc omnibus ciliato-lanatae valvula extensa vix conspicua, interna dimidiam flosculorum longioribus quante lanceolata ciliata, ligula neutrius palea 5-nervia, 11 ore hermaphrodito acuto tenuissime sinato — Habitat in arvis Abyssiniae prope Aderbati et Ado
- 5 P HORIZONTALIS Meyer mss ex A Richard I c p 361 f— Culmo erecto multicaulis versus partem superiorem parte piloso, foliis lanceolatis acutis, margine

dulaus pare, pilosn, ligula membranacea, ragim. dense pihuis' «^picus gracilibus longitunJ. nu.Jros.s.ira.s altern.s sen •ohoppoMit confers * ^ * » . "J' " " ,basu^o, pilosu ihachi triquetro-alaie in anguhs denticulato-scabra, lopicena. valvula eiteriore

l.v,ccola.^a 5-n,rvia, mJ.g.n. dense e. br.v.ter cli.ta, Dore hermaphrod.to glabro lacviusculo - Habitat ia dcmmis Abjssimae versus Buvium Tacazze

- 6 P MINUTIFLORUM Hochst mss ex A Richard 1 c p 362+- Annuum culmo erecto • b*a*i lamoso, nodis p.losis, folus longbsimis auguslis linca.ibus, margne scaberri-mi», 1-gula mimbranacea biev., vagmis ore scabn., pan.cula elongate iamosissima, •am,, mTZTMn,cMaJ, verucllis sup.,pos.tis, ram.s ramulo.,s, ramuhs bre-x u w brio..., rhach, tr.queua scabra, sp.cuhs pa.vul.s, p.d.cello tr.,uetro scabro' apic_H.il.squ,b_nsdam.nvolucrum setosum un.lale.ale ment.ent.bus mslrutto' 1ep.cena. vaUula e<r.o.o v.x conspicua, nore bermaphrodito lev.ter atr.ato - Habitat inAbyssiniae locis monlosis provinuae Ghue

ft rioie masculo neutro bipaleaceo

- 7 P nRIZANTHUM Hochst mss ex A. Richard 1 c 363f-Perenne rhizomale honzon-tali. culmis cnespitosi 2-3-pedalibus erectis, foliis lanceolalis erectis, margine denticuhto-scabna, junionbus sparse pilosis; ligula brevissima membrianacea dissecta, vagmi, p_losis c.lialisque, apicis saepius 2, ranus 3 elongatis sessilibus 1-3-unciol/bus secundiflois, rhnoh. compreaaa scabra et pilis mollibus basi tubeiculaiis obsiia, basi densius pilosa, spiculis brevissime pedicellatis ovoideis, lepicenae valvula extenore mvolvenle late ovali obtusa neivosa ciliata subpilosa brevi, intenore elhpuca obtusa inplo longiore, lore ettenore masculo bipaleaceo- Habitat in Abyssinia locis montojib provinciae Clure
- 8 1* PUBINODE Hochsi rass en A Richard 1. cf - Culmo erecto pedali am sesquipechl., nodis piloBO-uuneniom, foliu lanceolatis aculis ngidiusculis brevibus pilosolubertulatLStabeiimim, ligula piloso-sencea, vagmis tube.culato-punctatis, spies 4-8 teiminnlibus alte.nis secundiflous brevibus gubsossilibus, rhachi linean pilosa, spiculin buvier pediceUatia pilose oblongjs, lepicenae valvula extenore minima' basi tola, apice acua, mtenore flosculos aequante elliptica subacuta 5 - nervia violacca P'losa , nons heimaphiod.u paleis glabris muucis - Habitat in Abyssinia convalle Havn Tacazze
- 9 P. WFGHIII JSees ab Es HI pi fl Afr austr. 49 - A. Richard 1 c 364 - Culmo a basi ramco, i amis basi geniculaiis ei ecus 8-12 uncias longis gracilibus, folns lanceolato-neabu. acuiis brev.bus, marg.ne dent.culato-scabr.s, sparse p.Ios.s, 1.gula piloao-senccabrevi, vag.n.s p.losis c>lial,que₇ spicis saep.us 3 aliamia subsessilibus secundion. b,ev.ms, fhach. dense pnbenia, sp.cuhs sess,libus₇ lepicenae v*Wula extenore miminasubo.bculaMacutagnbra, intenore flosculo. aequante elhpt.ca acuta, dorao ^ 5 . B . r TMu. l " , ap.ee paliisque violaccs, flons barmaphrodiu paleis glabris lacvibus Ditentibusque — Habitat in Abjssinia regno Tigre.
- '> 1' bCMIDHDULATUM Hochst mss ex A Rchard 1 e t - AnnuUug r e a ^ , ^ «ecio a bas, mnoso sp.thamaeo glabro, folns breviss.m.s ovali - 1'anceolatis acutis Pubanuba, mag.ne nndd.ua, ligula p.losa, vagmis nbinflau. f^XZ'^l& "''ilibu. aliamia b₁cV,bus ,ecund,Do.,s, ax. gracib Hexuoso piloao , apicula pihuis obovedcis subinilatis alternis acaailibna aut b.ev.ss.me padiaaUaua, pria qmbnadam •<l ba.m pedicelloium, lep.cenae valvula extenore b.evisuma obtusa' intanora oboval. convexa s<b-5-nerv.a, obtusa, saep.us violacea, Hon. maaauli pulea exienoiu O''li-acula tnneivia lions hermaphrodili palea exteno.e convexa, ap.co acuta, secundum longuudmem'tenuissime stnato - granulaia - Habitat in Abjssimiae pratis tt locis gramwosis prope Adoua, ncc non in planitie montana provinciae Chire.

- 11 P EQUITANS Hochst mss ex A Richard 1 c 365 f — Annuum folis inferioribus culmum acquantibus lanceolatis acutis glabris margine scaberulis, culmo erecto pedali aut paulo longior, ligula piloso-sericea, spicis 3—4 alternis sessilibus secundifloris rhachi compressa muginibus scabra, spiculis subconglomeratis sessilibus ovoides nuncupatis lepicenae squama extensorie lato ovum nuda brevi, intus multo longiore 5-costata, costis spumoso - scabris, (Insuper hermaphroditi palea extensorie involucri ovali nuda, laevi glabra, secundum longitudinem tenuissime striata — Habitat in Abyssiniae provinciis Chire et Sana
- 12 P DESERTORUM A Richard 1 et — Glabrum et glabrum culmum prostrato repente, ramis assurgentibus erectis, basi gemculatis, folis lineari-lanceolatis acutis glabris laevibusque, ligula setosa brevissima vix conspicua, vaginis glabris laevibusque, spicis pluribus brevibus alternis secundifloris, racemum terminalem interruptum efformantibus, rhachi flexuosa compressa subinquetia scabra, spiculis brevissime pedicellatis alternis approximatis, lepicenae valvula extensorie late ovum obtusa, vix medianum spiculum attingente, flore extensorie masculino bipalato, lons hermaphroditi palea extensorie ovali - oblonga acuta glabra Inveni — Habitat in Abyssiniae provincia Choho
- 13 P GOSSYPINUM A Richard 1 c 365 f — Perenne culmo caespitoso senceo lamoso, basi vaginis veieium foliflorum dense sericeis vesiculis, pedali et ultra, folis linearilanceolatis rigidiusculis acutis subturbentibus margine scabris, glaucis ligula pilosa, vaginis loliorum multinerviis **cilintis**, spicis pluribus alternis brevibus secundifloris, racemum terminalem efformantibus, rhachi flexuosa gracili pilosa spiculis pedicellatis saepius geminis longe purpurascentibus - senceis, lepicenae valvula extensorie ovali-oblonga acuta medianum flosculorum partem attingente, interna ovali - acuminata flosculos aquante, florem extensorie miculo bipalato, hermaphrodito ovoideo acuto glabro granulato-striato — *Enochla (Tucholacna) pi upw accent* Hochst mss — *Panicum holosericeum* N ab h (nee R Br) — In Abyssinia
- 14 P OBTUMFLORUM Hochst mss ex A Richard 1 c p 367 f — Perenne culmo cincto firmo inpedali, lolium late linearibus acutis, utrinque hirsutis, margine retrorsum scabris ligula saepius nulla, tarius multinerviata - membranacea brevissima, vaginis laxis longissimis luteis, spicis pluribus cispis uncinatis et ultra, alternis tonfeitis et raris denum terminalem elongatum efformantibus, antequam huto pilosae, spiculis numerosissimis, breviter pedicellatis unilateralibus oblongis, lepicenae squama extensorie subrotunda obtusa amplectens baeve, intus glabra laevi obsolete 5-nerviata flosculos aequante, flore masculino unipalato, floris hermaphroditi palea extensorie laevi glabra nitidaque — Habitat in Abyssiniae partibus partem montanae Walcha
- 15 P QUADRIFARIUM Hochst mss ex A Richard 1 c 367 f — Perenne culmo erecto robusto inpedali, folis rigidis glabris, margine denticulato - scabris, ligula setosa pilosa baeve vaginis in parte superioribus ciliatis, spicis elongatis numerosis secundifloris approximatis racemum densum simplicem efformantibus rhachi compressa basi tuberculatis conspersa, spiculis glomeratis pedicellatis, lepicome valvula extensorie baeve ovali - subrotunda, acuminata doctro 5-nerviata hispidula, intus ovali - acuminate 5-nerviata longior, hispidula, cum flore neutro uolacca, palea exteriori floris hermaphroditi ovali - acuminata, dorso laevi, margine ciliato — Habitat ad pingues stagnorum et in locis paludosis prope Adoua
- 16 P ATROVIOLACEUM A Richard 1 c 368 f — Culmo erecto 2—3-pedali firmo, folis late linearibus acutis, margine denticulato - scabris, cacterum glabris, ligula brevi toso-pilosa, vaginis ore ciliatis, lacem longo paniculato pyramidato, ramis racemi ad apicem decrescentibus, inferius longioribus 3—4 - uncialibus, rhachi compressa denticulata - scabra, spiculis nris - violaceis in tamulos laterales conglomeratis, breviter pedicellatis, lepicenae squama extensorie late ovali obus nervia, dense ciliata, intus elliptica obtusa, brevissime pilulata, dense

nervia laevi, floris hermaphroditi palea extenore elliptica laevissima. — Habitai in Abyssinia

b *Palea exmrwr floiis hermaphroditi ap%ce seta tcrmmata*

- 17 P HOCHSTETTERIANUM A Richard I c p 369 f — Culmo erecto sesquipedali aut bipedili, folns late lanceolate acutis, molliter piloso - pubentibus ciliatis brevibus, ligula sericeo-pilosa, vagims pilosis ciliatisque, spicis pluribus secundifloris sessilibus nllprnis, unam aut sesquiunciam longis, rhachi compressa ciliata et pilis quibusdam mollibu* conspersi, spiculis brevissime pedicellatis, lepicenae squama extenore ovali-obtusa brevissima, intenore flosculos aequante elliptica acuta 5-nervia glabruscula laevique, floris extenons masculi palea extenore elliptica acuta 5-nervia, floris hermaphroditi palea extenore elliptica obtusa, apice seta brevi abrupta terminate, tenuissime granulata — *P gemmalum* Forsk * — Piuken Almag IV tab 417 fig 7 — Habitat in onus et prods Abjssinae prope Adoua
- 18 P TRICHOPODON A Richard 1 c f — Perenne culmo horizontali subterraneo repente, ramis erectis bipedalibus, folns late lanceolatis acutis, margine scaberrimis denticulatis ciliatisque, ligula setoso-pilosa, vaginis laxis pilosis et ciliatis, spicis 6—12 alternis secundifloris, inferioribus brevi ter pedicellatis, superioribus sessilibus, axi piano ciliato - piloso, lepicenae valvula exteriore oblonga obtusa, flosculis paulo brevioribus angustioribusque uninevia, dorso versus mediam partem fasciculo pilorum strictorum notata, palea extenore floris masculi margine piloso-hirsuta, floie inferiore bipalceae rosculo, hermaphroditi palea exteriore tenuissime granulata, apice seta brevi terminate — *Panicum (7e/ojms)* f rich opus Hochst Flora (B Z) 1844 p 254 — Habitat in Abjssinae convalle fluvii Tacazze prope Tihelatchekanne
- 19 P ANNULATUM A Richard 1 c p 370 f — Culmo basi gemulato, caeterum erecto, pedali aut sesquipedali, folns lanceolatis acutis glabris, margine vix retortis scaberrimis, ligula annulata brevissima sericea, vaginis laxiusculis glabris, spicis 4—5 nllernis elongatis secundifloris distantifloris, rhachi in quatuor angulis scabra spiculis solutis brevissime pedicellatis, pedicello scabro apice mucosato subcapituloformi, pilis quibusdam longis mollibus obsitis, lepicenae valvula exteriore nulla (an prope in cupula pedicellum terminante habenda?), flore extenore neutro unipalceae, floris hermaphroditi palea extenore oblonga obtusa granulata obtusa, apice setula brevi barbellata terminata — *Helopus annulatus* Hochst mss — Habitat in Abyssinae valle lata arenosa Meda ad rivos exsiccatos

§. 4 Spiculae sohtanae, paniculam formantes.

- 20 P UMGLUME Hochst mss ex A Richard I c p 370 f — Culmo erecto 2—3-pedali, nodis inferioribus tomentosis, folns lineari-lanceolatis, margine retrorsum scaberrimis, ligula brevi membranacea dissecta, vaginis glabris laevibusque, panicula contracta, laminae elongatis compressis, spiculis pedunculatis, pedunculo pilis longis obsitis et involucri quasi simulantis lepicenae univalvis squama intenore brevissima ovali-subrotunda obtusa, floris extenons unipalceae neutrius palea elliptica acula 3-nervia, floris hermaphroditi palea extenore convexa laevi amplexante — Habitat in montosis siccis Abyssinae provinciae Chire
- 21 I¹ SCHIMPEKIANUM Hochst mss ex A Richard 1 c 371 f — Culmo erecto tripedali et tetrapedali, folns lanceolatis acutis rigidiusculis glaucis glabris, margine retrorsum scaberrimis, ligula piloso-setosa, vaginis hirtis, panicula pyramidata ramosa, lamulis brevibus Hexuosis, spiculis alternis breviter pedicellatis, pedicello pilis quibusdam longis mollibus consperso, et aliquando ad basin bracteola lanceolata squamiformi stipitata, lepicenae squama extenore minima ovali obtusa, interna ovali-lanceolata acuta 5-nervia,

flore extuore masculo bjpaleaceo, flons heimaphiaditi palea extenore ovali - oblonga suboblusa lenuissime striata — Habitat in Abjssinia montosis provinciae Chire

- 22 P NUDIGLUME Hochst mss ex A Richard 1 c 372 f — Culmo a basi lamoso erecto bipcdali et ultn, fodis iaie Innceolalis brejonbus acu(is*maigine scabemmis pubentibuS, lignla pilo&a bie\js>sima, \aginis laxis pubentibus ciliatisque, pamculn terminali pjiamidiia, lamis paice ramosis, ramulis bn'^vibus, lhacbi angulma senbra el pilis quibusdam mollibus conspeisa, spiculis parvulis glabris saepius gemmatis, una subscibili, altera pedicellata, prdicello «cabro et paice piloso, Icpicnae valvula extenoie bro\ibsima nmplectanti acuiiuscula, intenore obovali acuts 7-nervia, flons hermaphro^ diti palea extenore obovali apicuJata tenuissimo gianulato-lmeata glabia — Habitat in Abjshimac piovincia Chue

- 23 P LEUCAMHUM A Rich aid 1 c p' 372 f — Culmo eiecto ramoso gracili bipedali, fohis angustis glaucis convolutis glabns laevibus, ligula se.ncea brevi, vaginis glabris, pamcula elongata, ramis rectis flexuosis, ramulis apice incrassatis truncatis glabris laevibus, spiculis basi articulaiis et deciduis oblongis angusus biflons, Iepicnae \alvulis Inncolatjs aequalibus acutis cilialis, pilis longissrmis selosis obtectis, flore masculo bipaleaceo linedn, floras liermaphrodiu paleis couaceis glabns muicis nitentibus — *Tncholaena leucantha* Hochst mss — Habitat in Abjasinia provinciae Ghire

- 24 P AQUATK UM A Richard 1 c p 373 f — Culmis basi horizontalibus repenlibus, iamis as^iugemibus emeisis pedalibus aut «esquipedalibus, folns lanceolato-lineanbus oculi> glabii>, maigine subscabiu>, li_nla brevissima membranacea seioso - dis>secta, \ig-ims bubmflatis glabiib, pamcula paice lamosa, iami5 breviler divisio triquolns scabritj, spiculis pedicellatis, Iepicnae valvula extenoie bievissima suborbiculan, basi convoluia, apicc obtusissima, intenoie elliptico-lanceolata acuta 9-nervia, lllore extenoie mabculo bipaleaceo*, intenui> licimapliroditi palea extenoie laevissima glabra — *Panicum paludosum* Hotlut. mss (ncc Rxb) — Habitat natans in Abjssinia paludibu6 et stiignis pi ope Assai

- 25 1> (ALLQSUM Hochst mss ex A Richaid 1 c p 374 f — Culmo eiecto tnpedal), nodii> glabn->, folns lanccolatis acutis glabiis, margine scabcimnis, ligula membranacti apice longe setosa, vaginis oie dense pilosis, maigine cilialis, cailcrum glabns, pamcula muuna effusa ramosissima, lanrn elongatis piloso-scabii&, spiculib longissimc pdicellatis, Iepicnae squama extenore ovali - lanceolata auilisoimn, flosculis teitia pane bievion, dorso cannata et scabra, Intenoie ellipiica lanceolata acumuata 'J-neivia, apice quasi bieviv^ime onstata, floie extenore neutio bipaleaceo, herma-plirodm palea e\tenoie illiptica obtiiba lacvissima nitente — Habitat at' radices mon-Hum Aby&bimac', juxta fluvium Tacazze

- 26 P ATROSANGULINCUM Hochst mss ex A Richard 1 c p 375 -| — Culmo erecto giacili, pcdali aut paulo ulna, folife bnceolatib acuiia bievibus pilosis ciliatisque, ligula membianacea bitvi dissecta, vaginis brevionbus onus, pamcula dillu&a ramosissima, i amis elongatis, immulib subtuqueliib scabiib giacilibus, spiculis so laticus lamulo^ teimmanlibus, lpiitenae squama exteuoic dinudiam spiculae altitudi^{ne} supeiante ovali acuta sulii-5-ntiua, flore extenoie neulio bipaleaceo, mterions p^olea extenoie ellipuca oblusa laevissima glabia — Habitat in Abyssiuiae locis hum'dis convallis fluvu facaz/e pi ope Tcbelalchekanne

- 27 P TRICHANTHUM A Richaid 1 c p 375 f - Culmo a basi ramoso eiecto gracili, folns lanceolaio-lineabus acutis pilots, margine retroisum deniiculato-Tsp^{la}, basi longe cilidlis, ligula brevissima membranaceo-setosa, vaginis oie ciliatis, t^je terum glabns, pamcula paice lamosa subpjiamidata, ramis flexuosis ramosis glabns laevi- busque, spiculis. o\oideo-oblongis atulis, Iepicnae \alvula e\lenoie ovnl- laiceo iate doiso tnenia, flo&culis paulo bievion, paice pilosa ciliataquc, intenoie ell, p^ouco oblonga acuta, 5 — 7-nervia pilosa, floie cxlenoie neulio bipaleaceo, herIEa^{br} odIM palea cxeuioie oblongo-lanceolata glabia nitente — *Panicum patens* Hochst (ne⁶)

— Habitat in locis Abyssiniae siccis regni Tigie et in flssuris opacis rupium regions
«upenons septentnoriali? montis Solleuda

- 28 P COMATUM Hochst mss ex A Richard 1 c 376 f — Culmo eiecto lamoso, pedali
<H ultia, nodis bnlellis, folus lanceolatis jculis, maigme uno latere tenuissime undu-
late, altero pl<inis denticulato - aspens, ligula sencea brevissima, vagims ciliatis, pa-
mcula terminali e racemis simplicibus formata, spiculis bieviter pedicellate saepius
gcmims, intense albido - senceis, lepiceuae valvula exlenore ovali YIX dimidiam flos-
colorum altitudinom aequante, mtenoie obovili subacuta, setis longis eiectis prae-
seitim versus apicem qbsita, lore extenoie neutro bipaleaceo, hermnpheoditi palea
extenoic convexa glabia gianulata. — Habitat in gratis circa Kouaceta in Abyssinia
piovincia Chut
- ^ P COi\ f INNUM N ab E in Hook Kew gard misc II 97 + — Virens paniculae de-
romposihe oblongae ramu. eiccto-palulis plerisque subverticillalis gracilibus flexuosis,
bievi spitio. feieque a basi divisis, infeine compositis, apice simplicibus rhacluque
plus minus villosis spiculis (Va lin longis) ovali - oblongis oblusmsculis in ramulis
iimoiumque apice «»mplicitei spicius glabrjs nitidulis (ferrugmeis), glumis parum in-
aequalibus brevissime mucronulatis, mfenoi e paulo brevior ovata tnnervia, supenore
o\ali 5-nema flosculo neutro bivilvi, valvula Infeuort^glumae supenon conforini ob-
solete 5-nervia, apice pubeiula, hermaphrodito bievior oblongo obtuso laevi (fulvo),
culmo ramoso, inferno sulcato glubro, mfa pamculam teieti stnato pubescente, va-
ginis laxis hiamibus foliisque lanceolato - acuminatis, basi lotundatis villosulis — Ha-
bitat in insults Pliilippims
- 30 P GIGANTEUM SchoelP, Liniiffit XXII 340 f - Culmus quadnpedahs teies glaber
laevis fistulosus simplex Folia magna plana glabr n hevia longissima oculato-subu-
latd subtus conmti, supn cm iliculati, 3 lineas Into, f-2-pedalia Vaginae glabiao
strntae ore nudaae Ligulao bievi'tsimae liuncataae Iacerae Pamcula terminalis pyra-
midnlis supiadcomposita sesqmpedalis et ultra Rbachis, rami et pedunculi angulati
scabn Rami flexuosi capillaics infmi fasciculati, reliqui bini vel term, raussime
solitaru Spiculae in ramulis appressae racemosae pedunculatae ovoideo - oblongae
bifloiae puipuiascentes Gluma inferior e basi ovali lanceolato - acuminata tnnervia,
canna scabra supenorem dimidiam aequans Gluma superior e bam ovata lanceolato-
subulata 7-nervis gluma mferion duplo longior, flosculum infenorem paulo superans.
Floseulus infcuoi masculus stnlis 2 - paleaceus, paleae subaequales quinquenerviae
acutae, mfenor purpfrascens paulo longior, superior alba membranacea. Flosculus
supenor peifectas bipaleaccus, paleae oblongae concavae albae conaceae mtidae gla-
biac acutae, gluma supenon et flosculo infeion breviores — Crescit m alveo sicco
fluminis Cjbolo inter San Antonio et Neubrunfels m Tetade
- 31 P CARINATUM Ton mss etfujlis m Bol Zeit VIII p 531 — Culmus 3—4'robustus,
aitamen flaccidus laevis stnatus fistulosus, nodi submersi radicantesy vaginae sub-
iner<ae aphyllae laxae, nodis brviorcs, supeiioies longiores, ligulae margo flmbnatus,
folia 6—8 longa, 5—6 ' lata, admodum crassa, laevia excepto margme, apicem versus
sent,im acuminata stnata, nervus medms 2 circiter pollices a basi evanescens, in pa-
gina supeiion haud perspiciendus Pamcula dense nppies>su, ramis alterms angulosis
laevibus, infenoribus disianiibin 2 pollices longis, supenoiibus sensim brevionibus
01 m summitate densis Flosculi 5—7, sub&ecundi in ramulis bievibus appoximatis
nl tern is adpressis pediceilau, lanceo-ovati acuii pallide vindes Gluma inferior lanceo-
ovata acuta, superioiem dimidiam vel duas teitias partes ejus aequans, membranaiea
liinervia, basi <piculum cmgens, gluma supenoi floi*em neutrum feie aequans, quin-
Qneneivia acuta Palca exterior lions ncutnus liinervia, inlonoi subaequalis hyalinj,
"Haque acuta Stamina tna Flos Iieimuphiodilus neulro paulo brevior conaceo-
'membranaceus Stamina valde exserta totamque pamculam anlbens pallide luteis
°btegens, fldmdenta gracillima arachnoidea, stigmata lata demise plumosa ochroleuca
— Pamcum digitm widvs Caipenter mss. — In Amenca boreali ad margihes lacuum'

32 P XANTHOPHYSUM A Gray, Manual of the bot or the North Unit States 613 — Toir Flor of New York II 426 tab 148 — Gulino simplici vel demum basin versus rimoso (9—15 pollican), vagims pilosis, folns lanceolalis aculissimis (4—b-pollicanbus, seimpollicein versus laus), ad bisin amplexiculmam ciliato - barbatam non dilataiis exctpio maigme glabns eximie 9—11 - nervns, panicula longe pedunculata simplici conIntli, nns appicssia spiculas paucas rolundato-obovatas 1/a hn longw geien- Ubus, gluma infenoro ovala aculmscula, quam superior 9-net vis duobus terms vel dimidio bicvioio — Plantn flavescenti- vnens, spiculis puberulis flosculi stenles non- nuinquam biammigeri — In Ameucaae borenlis locis arenosis (Maine, Wisconsin)

t *leone** addendae*

P AGROSTIDIFORME Lam — Knth I c 94 no 131 — Toir Flor of New York II 429 nb 148
 P FILIFORME L — Torr I c 424 lab 147 — (*Paspalum* /iJi/biroe Swrlz — Knth I i 4b no 40)
 P SANGUINALLE Linn — Knth I c 82 no 47 — Torr I c 423 lab 146

773. *ISACHNE* *It Br.*

(Knth Lnumer, I 135, Suppl 98 — VViprs Annal I 924)

I MYOSOTIS N ab F in Hook Kew gard misc II 98 + — Paniculae paivae racinosae compositae tamis ngidulis 5—2—1 flons, spiculis longiuscule pedicellus globosis, flobculis scabrj aequalibus conformibusque, infeuore hermaphrodilo - raaculo, supenore foemmo, glumis patenlibus oblongis hispidis, culmis caespilosis liumilibus repeniibus adscendenlibus rltosii, folus conlertis lanceolatis sinalis vagimsque e lubeiculis hirsutis — In insulis Philippis

778. *OPHIOCLYSSUS* *Pahs.*

(Knth Enumer I 138, buppl 101 — Wlprs. Annal I 924)

I 0 (PANICUM) HOOKERII Parlat Am della oitava uumone 586 — Spicis simplicibus oblongis obusis, spiculis muticis, rhacheos ramis maigine superne sub spicularum insertione selosis, folus glabns plants, margine cai tilagineo eleganter seirulalo-scabris, culmo ramoso vagimsque glabns, — Affne *O. colono*, sed folus maigine caillilagineo 2>errulalo- scabns, spicis bicvionibus lamisque lhatheos setosis, alnsque notis *BBUS* distincium — *Panicum Daltonii* Parlatore in Hook Niger Flora i> 185 f — ^{In insulis} ad Cap verd
 Z 0 MULTISILVUS A Rich Tent nor Abyss II 924 — Culrao a basi lamoso geniculato repente, lamis adsurgentibus, folus lanceolatis acuiis glabns, margine retroisum scaberulis, ligula pilosa vagims praeseriin versus partem supeiorem ciliatis, spici* 4—5 racemum siniplicem terminalem efformantibus rhachi compressn pjlis longis ob* sita, spiculis saepius geminis una pedicellate, altera sessilibus, pedicello **pihs** longis obsito, lepicenae valvulis inaequalibus, apice «ela longa tcimmatis, flosculos ^{n0D} aequaniibus, (Ions neulunus palea ezlenore longioie, apice seta paulo infra apiceni teiminata, floie hermaphrodilo sela deslitiuo glabro — *Panicum mulhsetum ttochsl.* mss — Habitat in Abyssiniae convalle fluvn Tacazze.

781a SETARIA *Palis*,

(Knth Enumer I. 149, Suppl 195 — Wlprs. Ann 1 924)

- 1 ^ ITALICA Dehlc, Ind semm hoit Monsp 1849 p 7 — Culmo cubitah, fobis latis membranaceis deorsum scabns, liguli⁹ brevibus ciliaris, panicula setosn alopecuroidea nutante spithanraea compacta, rhachi pilosa, glurais nervosulis ghbns. — C Daub Theatr 519 — In Aegipto (?)
- * k AUHCA Hochst mss — Percnnis culmo tripedali et ultra, folns hneaibus angustis acuiissimis, margine relrorsum scabns hgula pihs densis bicvibus consiante, panicula ^ppicaeformi giacili 5—6 uncias longa, spiculis oblongs acutis involucraais, mvolucro sctaium aurearum fasciculis bmis formato, lions bermaphroditi pnlea extenoie violacea uansversim undulntn — *Pcnnnehn aw cum* A Rich Tent flor Abyss II 378 — Habitat in regione media moniis Abyssinae ^SSemaieta
3. ^ (PLNMSCTUM A Rich 1 c 379 - PANICUM Hochst mss) RESPICIENfc Wlprs. mss — Culmo erecto tnpedali et ultin, folns lanceolatis latis pilosis acutis scabernmib, vaginis laevibus, liguln bievi membranacea setoso-dissecia_T panicula lamosa toniracia inmosissima, rumis bievibus, spiculis breviter pedicellatis, in\olucn seta unici deniculala e pedicello enata, spiculam mulio superante, lepicenao valvula extenore brevi ovali acuta, mterna ovfh oblusa membranacea 5-nervia, flona exteuons neunus palea exlenore valvne intenoi simili, inlenore bre.vissima, flons hermaphioditi pnleis granulatis, tiansveise subundulato-mgosulis — Habitat in Abyssinia convalle fluvu Tacazze pi ope Tcheldlchekanne
- 4 S SAGITTIFOLIA Wlpris mss — Caule eiecto bipedali et ulna, folns saopius supra vnginam longi&simc pcliolalis lanceolalis acuiissimis, basi magis minusve bifldo-sagallatis, aunculii lanceolalis acuiissimis, lanus folns sessilibus, basi inlegns glabns, morgine scabns, peiolo leieu longe piloso, hgula membiauatea dissecia, vaginis pi^{10s} ciliarisque, paniculn ramosa, ramis 6implinbus, invohicro unisclo, spicula duplo t'iplove longioie Iepicenae squamis inaequalibus, exlenoie dimidio bievioie, flons hermaphiodm palea exlenoie conacen ovali acula, iransveise lugoso-undulala ~ *Panicum sagittifobum* Hochst mss -- *Penmselum sagutijohum* A Rich I c 379. — Habitat ^{bltal} «n Abjssinia con>alle fluvu Tacazze.
- 5 S DIOICA Hochst mss — Culmo erecto 3—4-pedali, fulus ovali-lonceolatis latis, mai-6'ne teirorsum scabernmis, basi supia vaginam abrupte petiolniis, vnginis (axis sub-^{lu}flntis, li^uulasetosabrevi spicis unisexualibus gracilibus longe pedunculniis et pamcu-^{lu} longnm lamosam eflbrmanlibus, in spiculis masculis, mvolucro uniselo, Iepicenae ^{tuami-}, nunimis ovalibus snbobiuisis, flosculi neutnus palea elliptica neivosa, floscu-^{lu} amplecicnti, maigine ciliaia, flosculi masculi palea extenore elliptica acuta, inter-^{rl}on convolula hyalina, slaminiibns 3, fllamentis bievibus, antbens oblongis — *Pen-ⁿ*seium dioicum* A Rich 1 c 380 — Habitat in Abyssinia planiie moniosa Chire
- 6 s POLYSTACHYA Scheele, Linnaea XXII 339 f — Radix flbrosa Culmus eieciua ^{lr}pedahs simplex compressus alnatus glaher, angulis scabnusculus, nodi barbau, folia Pana late linearia acuaio-subulaia unineivia stnaia mnrinata scaberrima pubescentia, ^{va}ginae laeves pills paienlibus dense pubescenlea, ore barbatae. Panicula spicifoimis ^PPalis, e spicis plunmis mulufloris composita, elongate lanceolate acuta laxiuscula. ⁿaclns ingulata villosa scabra Spicae brevissime pedunculaiae erecto-patenies, sens ^{mvolucro} elongaus comatae Spiculae bievissime pedicellaiae ovatae glabrae vires-^{co}nn- albidae biflorae involucraiaf In\olucrum persistens setosum umlaterale, setae ^usiiformes sursum scabrae elongaiae spicula sua 5—6 longiores. Glumae 2 mem-^uanaceae concavae maequales, inferior minima late ovala inertia mutica, superior

miilio majoi 5-nervia ovata, margme scanosa mucronaia paleis brevior Flosculus inferior neuter 2-paleaceus, pilea inferior major membranacea concaia ovata quinque-nervis, superior minor hjalina Flosculus superior liermaphioditus, paleae concaiae concavae muticae, inferior supenorem amplectens Stamina tria Ovanum glabrum Stjrh 2 elongati Stigmata aspergillifoimia — *Alopecurus genicidatus** Lindh — Crescit in Texade

781b GYUUVOTHRIX *Pahs.*

(Knth Enumer I 158, Suppl 111)

- 1 G (PCNNISCTUM A Rich Tent floi Ab\ssin II 381) SCHIMPERI Hochst mss - Perenne caudice repente subterraneo, culmo erecto foliis linearibus convolutis (an siccatione?) neivosis, pilis longis mollibus conspersis, ligula piloso-lanata, spica tereti densa — 2— \sqrt{x} uncias longa f* spiculis oblongis acutis subsessilibus sohtaius involucralis, involucro setis verticillatis inaequalibus subbarbellatis et pilis brevis ex* terms constanti, glumme squamis vilde inaequalibus, flore infenore umpaleaceo neutro, (flos hermaphroditi paleis lanceolatis acutis, stigmatibus VIOIQPIS — *bymnothusa Adoensis* Hochst mss — *G glabrum* Hochst mss — Habitat in locis herbois prope Adoua in Abjssima
- 2 G RIPARIA Wlpris mss — Perenne culmo basi ramoso gemmulaio, foliis angustis lineariibus aculeis laevibus, ligula bievissima membranacea, tenuissime dissecta vaginis gibus, spica terminali gracili distinctissima, spiculis solitariis vix basi brevissime pedicellatis, involucro setis spiculis aequantibus tenuissime denticulato-bellatis, lepicenae squama exleina brevissima truncata, intenore ovali acuta triplo longiore, floris externis hermaphroditis longioribus palea externa lanceolata acuta 5-nervi laevi, nervis vinctibus, hermaphroditis palea extenore lanceolata acuta 5-nervia *Penisetum ripense* Hochst mss ex A Rich 1 c — Habitat ad ripas nivium Abjssinae prope Adoua
- 3 G GLAUCIFOLIA Wlpris mss — Culmo erecto a basi lamoso, nodis senceis, foliis glaucis hincolatis angustis aculeis puberulis, margme retiois vix scaberis ligula membranacea bicostata icuissimu dissecta, vaginis laevibus, spica gracili spiculis solitariis altemis, involucri setis denticulato - scabris inaequalibus paulo superantibus, lepicenae squama exleina minima obtusa intenore duplo longiore ovali obtusa, foliis ovatis nervis neutris seu masculi palea extenore lanceolata acuta 5-nervia, nervis subscaebis — *Penisetum glaucifolium* Hochst mss ex A Rich 1 c 382 — Habitat in penis umbrosis: mediae legions australis Abjssinae Seleudi
- 4 G GIGANTEA Wlpris mss — Perenne culmo erecto robusto 5—6-pedali, foliis hincolatis, margme scabris, ligula brevissima setosa, vaginis gibus laevibusque, cylindrica densa 8—10 uncias longa, spiculis vix basi pedicellatis solitariis, setis spiculis paucis simpliciter denticulato - scabris lepicenae extenore minima ovali acuta, intenore multo longiore lanceolata acuta, floris incomplete hermaphroditis seu masculi palea exteriori elliptica, apice nervia scabra, floris interioribus hermaphroditis, stigmalibus cassis hirsutis — *Penisetum giganteum* A Rich 1 c — Habitat in penis nivium Mariam - chawito non ab urbe Adoua in Abjssima
- 5 G HUMILIS Wlpris mss — Culmo erecto spithamaeo subaphyllo, foliis linearibus angustis acutissimis, sparse pilosis, ligula pilosabrevi, spica ovoideo-oblonga obtusa densa, spiculis solitariis subsessilibus, involucro setis paucis simpliciter

- culam aequantibus violaceis, lepicenae valva extenore brevi tenui truncata denticulate, anteriore duplo longiore, apice longe acummata, flons neulus palea extenore oblongo-iancoalaia, apice «ubdissecla acuta 5-nerv.a - *Penmsetum humile* Hochst mss ex A Richard 1 c 383 - Habitat in Abyssinae provmca Semiene
- ⁶ G RIPARIOIDES Wipis msa - Culmo basi repente horizontal! subterraneo, ramis ereuis b.pedahbus, folns anguste lneanbus acutissimis glabns laevibusque, ligula bre^sima pilosa, sp.ca grac.h elongata, spiculis solitams subse.hbus involutes, in^lucro simplici e fasciculis binis setarum opositis, set.s longionbus spiculam superaniibus, lepicenae valva extenore minimd suboibiculan obtusi.sima, interna oval, oblonga acuta tnplo longiore, flosculi extenons palea extenore apice breviter mucronata flosculo henmphiodito longiore - *Penmselum npanoides* Hochst mss ex A Richard I c 363 — Habitat in Abjssinae piovmcia Chire
- ⁷ G QUARTIJMANA Wlprs mss — Caule basi repente subterraneo hozontali, culmis ereciis bipedalibus, folns caulmis lineanbus ngiliusculis semiplicatis aculis glabns tetiorsum mnrgine scaberuhs, ligula brevissima senceo-tomentosa, vaginis glabns laevibusque, spica gracili violacea setosa 5—6 uncias longa, spiculis solitams subse-^slibu6, mvolucn spicula longions sens inaequalibus uniserilibu% simpliciter denticulato-scabns nee plumosis, lepicenae squama extenore VIX conspicua acuta, mtenoie multo longiore acuta, florum palea extenore apice acummata, 5-neivia glabra laevi — *Penmsetum Quaitmanum* A Richard I t 384 — Habitat in Abjssinae montosis et locis sicus provinciae Cbire.

781c PEIOFISETUIFI *Palts*

(Knth Enuraer 1 160, Suppl 114.)

- 1 1* GRACILL Bnlh in Hooker, Niger Flora p. 564 f — Glabrum lamosum folns angus scabnuscis, spica tenui, spiculis solitams, mvolucn sens exienonbus paucis intenonbusque plumosis plunbus spiculam subsuperantibus, una longissima, floiemasculo bipaleaceo, palea extenore glumaque supenoie quinquenervus' — Crescit in ^Steria Leone
- [^] 1» MACROSTACHYUM Bnlh. in Hooker I c.563 + — Elatum folns scabemmis, culmo ^aginisque gldbns pilosisve, spica elongata, rhachi villosissima, spiculis 2—4-nis, involucro sens exienonbus numerosis flores brevitei superannbus, intenoro unica longa, basi plumosa, gluma mfenoiie minula, supenore flonbus multo bievioie, /lore neutro umpaleaceo, palea hjalina quinquenem_t stylis basi connatis — Crescit ad Aboh et in 'nsula Ftrnando Po
- ³ P MYURUS Parlat Atti della ottava nunione etc 586 et in Hook Niger Floia 183 f - Panicula spicifoimi dcnsiflora elongaia subulata, spiculis soliiams, mvolucn setis extenonbus paucis, intenonbus basi plumcTso - sublanatis, earum altera spiculas sub-Uuplo superante, culmis. apice ramosis vdginisque glabernmis, folns late lineanbus, *»peine SLdbns — A P lamujinoso praecipue differ! panicula subgracili densinora, •nagis elongaia el subulda, spicuh appioximalis minonbus solitams haud terms, setis 'nttiionbus brevionbus nee dense lanati^, valva calycma supenore apice mucronato-anstata aliisque nofis — In insulis ad Cnp Verd
- ⁴ 1' CILIATUM Parlatore in Hook. Niger Flora p 184 f - PanicUla spiciforrai den&i-Hori elongaia, spitulis solitams, flosculo infenore neulro, irnolucu seiisextenonibus P«icis bre\ibus setaceis, interionbuj. setaceis, basi plumo«is, omnibus spicula longion-^us, altera longissima, culino ramosoadnodospubescenu-iomenioso, folns lincanbus, ^{supra} scabns, basin versus longiuscule villosocilialis — In insulis ad Cap Verd.

- 5 P LAMIGINOSUM Hochst mss ex A Richard, Tent fior Abvss II 385 — Culmo a basi ramoso erecto sesquipedali, foliis lanceolatis acutissimis retrorsum scabris, ad basin interne pilis quibusdam mollibus conspersis, ligula membranacea dissecta fimbriata brevi, vagina glabra heuque, spica elongata apice acula, spiculis saepius tubus brevis pedicellatis et involucro communi oblectis, involucrum sellis numerosis plurimaequalibus, et in internodiis brevibus, internodiis longioribus setaceis, excepto apice, dense lanato-baiballs, pedicello spicularum longe lanato, florum palea extenore ex apice bifido tucuminaia 5-neivn, nervis denticulato-aspens — Habitat in Abyssiniae provincia Chne
- 6 P AMOFMIM Hochst mss ex A Richard J c p 386 — Annum culmo erecto bipedali simpliciter totius lanceolatis acutissimis retrorsum «cahns, ima basi interne pilis quibusdam mollibus conspersis, ligula Inevi membranacea dissecto-timhnata, vaginis glabris laevibusque, «pira elongata terti acula xiolacea, spiculis solitariis pedicellatis in centro involucii et setis dense lanuginoso - pinnatis violaceis conspersis, pedicello pilis lanuginosis albis longis onusto, lepicenae squama extenore nulla? inlcnoie ellipica, apice dissecta tenuissima, tioris extenore unpaleaco pnea ellipuca, a cut a tenuiter 5-neivia punctato-hirtella, floris hermaphroditi palea exteina 5-neivia apice laceiata 3*denlata — Habitat in Abyssinia circa Adicibati
- 7 V PRMASTAFHIUM Hochst mss c\ A Richard I c p 387 — Culmo erecto 2-3-pedali, foliis caulibus lanceolatis acutis laevibus longissimis pilosis, margine scabris, ligulae luevissimae membranacea secca, spica tenuis elongata, 5—6 uncias longa, spiculis saepius 5, pedicellatis, extimis neutris, internodiis hermaphroditis, intermedium nunculis, involucrum commune M «piculas» «upcrantc, sellis marginibus mollibus pilosis plumosis lepicenae squama extenore brevissima lanceolata an^usia, apice truncata et subdentiata, jutei iore multo longiore lanceolata - lineari, doiso cannaia et scabra, floris eueniis palea lanceolata, doiso subcarnata scaberulaque obsolete" 3' ncrv, florid supenoiis paleis nmgine longe ciliatis, exteina doiso cannaia et sc^bia stigmatal piloso elongato biduo — Habitat in Abyssiniae montibus provinciae Quod^erac
- 8 T LONGISTALLAI Hochst mss e\ A Richard I c 388 — Culmo basi horizontali subleto rano repente, rami erecti 5—6 uncias altis, foliis lanceolatis acutis sat approximatim glabris, margine laevibus, ligula pilosa, vaginis In^is glabris laevibusque, spiculae bievii e\ igina folii ««upiemii eiumpente pauciflora spiculii brevissime elongatis», 10" involucrum scilicet longissimis inaequalibus, paucis plumosis, plensque dentiuhto - stabn'i «! icnli» longissimis, lepicenae alvula exteioie brevissimae ovali subacua, interior multo longiore Kimmala florum paleae exteioie lanceolata acuta, 9—11-neivia, nervis sLabis, sligmate teieti piloso longissimo, basi simplici apice bilucato — Habitat ad Abyssinae upas depiessas prope Adoua

785. A ^THEPHORA *Scneb*

(Knth Enumer. I 169)

- 1 A AinsSINKAAch Ricliiird, Tentnm floi Abjsa II 3^9 — Peieni* tulmo erecto bipedali Lt ulira nodis glabris, foliis lanceolatis lotuis auiis hbris sulcus retrorsum scabeiulis ligula membranacea punctante mte^ia, Tgim> longissimis glabris, spica elongata teioti densi 4—6 unciis longi, sjuilis jlomti ulati, MIII", l>^SI - sc coribus MOILCIN simibilloib, lepiceme vahuh ixttnie Colim pio paiio in vo-lucn lommums) pntserlim versus putem infonorem induiato - nuns-ata U»^{ceolata} acula in pane super/ore 5-neivn scibri hii^iin irienn mullo LKUOIC lenin briinacta lanceolata uigustissima lions miinus paka diiptica acula Aeiis P^{ar} supenorem dense cihata, lion* hermaphroditi palea • xicnoi e ellipico - lanc<^ia acuta glabra unmervia — Habitat in Abyssiniae regno Tigrc et in provincia Chne.

792 IVEURACHXE *B. Br.*

(Knib Enumer I 175)

- 1 N PARADOXA R Br inSturt, Expedit Centr Aust II App p 89 — Glaberrima culmo dichotomo, foliis raris abbreviatis, fasciculis paucifloris, glumis penantibusque mbeibibus vahula extenore cujus floris septemnervia — Gramen junceum, facie potius Cyperaceae cujusdam Folia radicalia in specimine umco videri defuerunt, nervos subtendentia abbreviata, vagina aperta ipsum folium superante, floralia subpeltata sed foliacea nee membranacea Fasciculi pauciflori, spicula cum pedunculo brevissimo articulatae et solubiles et sublenae bractea nervosa carnosa ejusdem circiter longitudinis Gluma bivalvis bivalvis, nervosa, acuta, mutica, valvulae subaequales septemnerviae, extensus nervus nervos occupantibus sed distinctis, reliquis per panam a marginibus et axilibus subaequidistantibus, intermedii nervis aequidistantibus externis margine approximate Peucedanum inferius (extensus) bivalve, neutrum valvula ex tenore septemnerviae, extensori glumae similis textura, forma et longitudine, valvula interior (superior) angustior pauloque brevior, binervis, nervis alatis marginibus vens latis induplicatis Penantium superius hermaphroditum, paulo brevius pergamenae-membranaceum nervis dilute viridibus, valvula exterior quinque-nerviis acuta concava, internodi ejusdem fere longitudinis, binervis biterminali, filamentis linearibus Ovarium oblongum, imberbe Stylis duo Stigmata plumosa, pallida? — In Nova Hollandia central!

Tribus IV. STIPACEAE Knth 1 c 175.

793 ORYZOPSIS *Michx.*

(Knth tnumpr I 175, Suppl 131)

- 1 O CANADENSIS Ton mss (") ex A Graj, Manual of the bot of the North Unit States 583 — *O parviflora* Nutt — *Milium pungens* Torr — *Slipa Canadensis* Poir — Knth 1 c 180 no 8 (Vid *Vrachnen bivicaudata* Tnn p 728 no 8)

796 BICHKIJEV *Endl*

(Endl Piodi fl Norfolk 24 — Tinnius & Ruprecht Mem de l'acad impériale de St Petersburg [I Sei] be natur 1)

- 1 B MONTANA Endl I c — Tinnius & Ruprecht 1 c 2 f — (Bauei, Icon inedit tab 136) — Panicula (impressissima) subglobosa - pyramidata, glumis acutis subaequalibus fere unilobis, valvulae externa sesquilineari, apice bisetosa nervis dorsalis flexa laxa inter 3-4-lineari — *Slipa Dichdachne* Sieud — In insula Norfolk
- 2 D SIBERIANA Tinn & Ruprecht 1 c 2 f — Paniculae laxae radice erecto-patentibus nervis parvis, glumis acutis, superius nervis, glumam inferiorem lanam superiorem

aequante, doiso aspenima et 3-nervi, apice breviter bideniata, ausla subapicali sub-
lortili geniculata subsemipollican

3 *anumala* glumis obtusiusculis, interdum mucronulatis, valvula externa l'A—
2-lineali), gluraam supenorem quidpiam excedente, arista sub-4-lineali — *li//a(?)*
scuuea Pa) B — *Agrostis sciurea* R Br.* — *Stipa micrantha* N ab Es — Habitat in
Nova Hollndia, ad portum Jackson

3 D VULGARIS Tnn Be Rprcht 1 c 3 f — Pamcula conirincta densiflora glumis m-
aequalibus, supenore acummata, fere bilineali, valvula externa ux sesquilineali glu-
mm infenorcm aequante vel haud atungentp, dorso 5-nervi, apice bideniata mns>ln
dorsad sublortili geniculato - inflexa semipollican — *Agrostis crinita* R Br - *Apeia*
crinita P B — *Agrostis ima* N ab Es — *Muhlenbergia sciurea* Tnn (ohm) — Habi-
tat in No*a Mollandn ad portum Jackson

4 D HOOKLRIANA Tnn & Rprcht 1 c f — Pamcula contracta dissitiflora, glumit*
taudalo-ncuminatis subaequalibus 2%—3-lmealibus, valvula externa glumis bievioie
^Vi—3-lineali, apice profunde bidentata i arista dorsali tortili geniculola, fere pollican,
vagims folisque dense pubescentibus — *\nthoj,anthum cftmtum* La Billard. — Habitat
in Terra Van Diemen

5 D FORSTERIAISA Tnn 8c Rprcht 1 c 4 f — Pamcula contractissima spiciformi
densiflora cimila, glumis longe acuminatis subaequalibus inlmealibus, valvula externa
glumis paulo lantum brevioie, apice bidentata, austa j>upra medium doisi mseita,
llexuosa, haud loita, vix pollican — *Anthoxanthum cnmlum* Forst. — *Agrostis crinita*
Richard — *Muhlenbergia crinita* Tnn. — *Anlhoxanthum cnmlum* Linn *>? — Habitat
in No\|a /celandu

b 1) COM\TA Tnn 8c Rpicht. I c. f- Pamcula contractissima spiciformi densiflora
longe tomaia, glumis longissime cuspidatis subaequalibus 3 - lineahbus, valvula ex-
lei nn vix bilinciili, apice bidentata, ansta medio dorsi inserta flexuosa, vix lorta, spb-
scsquipollicau — *Agrostis ima* R Br ' — *VUfa(f) iataV* B — *Muhlenbei gia* (*Tncho-*
ikloa) *taia* Tnn — *Agrostis cnmla* N ab Es — *Muhlenbergia cnmla* Tnn — Habi-
tat in Novn Hollndia ad portum Jackson

7 D I I^GISLTA Tnn 8: Rprcht. I c 5 f - Pamcula conliactissimd spiciformi densi-
Hoia longe comata, glumis longe cuspidatis subaequalibus, feiequadiilinealibus,
valvula exieina tulineali, apice bidentata, anstn medio doisi inseita, (lexuo^a, vix
lorta, se*(|uipollicari — Habitat in Terra Van Diemen

t Species dablae.

8 D (AGROSTIS A. Rich Voy do 1 Astrolabe 124) RIGIDA Tun ft Rpicht L c 5 f —
P.iiucnlae pedalis ct longious inrnis semi\|rticillatis rauosis, glunm paullo inaequfl*
libus, extenoie subbievioie, valvula extenore glumis brevior convoluta subpubes-
centit, apice bubemalmalo anstata, ansta teiminali flosculo duplo longiore seiacca
— In Nova Zeelandia.

9 D V^ROSTIS A Rich I c 125) PROCURA Tnn fit Rprcht I c f i f - Panituhe
Pjrnmidalis bipedalis ct longions ramis scimvcilicillntis mmosis, glumis flosculm bas'
o'lalnum paullo excedonilniSj mlcnoic subbieMorc angusiorc, valvula cternaghbrfl
<pice ohtuso el pauJispei bifldo anslam einiltens (') quadiuplo longiorem setacoam snep
deciduum — In Nova Zeelandia

800 STBEPTACHUJE R Br

(Knth Enumer I 186)

a *Arista in/erne torhhs*

1 'STR STIPOIDES R Br — Knth I c — Trm ft Rprcht Memoir, dc 1 acad imper do St Pelersbrg (6 Se'r) Sc natur. V 7 +

b *Arista vix torta, valvula superior inferiore tnplo breviori*

2 STR RAMOSISSIMA Tnn ft Rprcht 1 c 7 + — Pamculae tenerae laxae radns subquirus, a medio vel supn medium flonferis, glumis neuliusculissuhaequilibis, vilvula inftnore non prorsus lineali piulo longionbus, ansta persistente flexuoso-recuna \el gemtulan glumis 3—9-ies longion, nnthens apice ncicuhlis — *Uiachne ramosissima* Tnn — *Stipa lamosissima* Tnn — Habitat in Nova Hollandia ad portum Jackson

3 &TR VFRTICILLATA Tnn ft Rprcht I c 8 f — Pamculae contracliusculae subinterruptae radns plummis a bnsi (loriferis, glumis acutis aequalibus, valvula mfenore ultra Jineali parum longionbus, arista persistente flexuosula, 10—18 - lineah, anthens apice barbatis — *Stipa verticillata* N ab Es — Knth 1 c 184 no 34 — Habitat in Nova Hollandia ad poriura Jackson

800/, UR A CHUTE Tnn.

(Tnn ft Rprcht Me'moir a I acad imper de Si Ptrsbrg (6 Sdr) Sc natur V 9)

Panicula, interdum restricta lineans sen racemiformis Spiculae uniflorae, v. c. articulatim, secedente, glumis membranaceis plus minus brevioribus. Valvula inferior demum conacea s. cartilaginea sunpnrpm et caryopsi n. arcto o. involvens, apice indiviso enata s. p. I T Z: " a S. parum torlam et. obscure gemculatam. ad summum se. lica m sustentata, n. 136 K. 3 5 Stami. 3, Slyh 2, * g. S. S. i. e. S. u. mosis s. penniformibus. Caryopsis oblonga teres, antice sulcata scutell. 10 subtili p. i. S. T. Species orbis ultris <Jue extratropieae, intra t. i. c. o. s. i. o. c. i. s. tantum frigidionbus visae, in Nova Hollandia, Afca austr. et in Asia onentali-austrah nondum visae

Sect. I *Piptathetum* Palis. — Tun Be Rprcht 1. c

(Knth tnumer 1 176, Suppl 131 — Wlprs Annal I 925)

1 • U

Bar. et. con. — *Agroshs mihacea* Linn - Ho'l Gramin 3 t 45 - *AgioUis* „
 Jcq — *Agioshs monhs awei* Delarbre — *Vilium multiflorum* Cav — Aom
 w uon — *Agi osiis comosa* Poir — *Piptathciurn multiflorum* Palis — Knth
 no I * s»PPI 131 - *Achnatheium miliaceum* Palis - *Agiostis* monan... d Hor-
 nem - *Pwtatheiumcomosumn* ft Sch - *Milium GadUanum* HT renk — *Milium*

- fiutescens* Lnk — *Urachne comoia* Tnn — *Urachne multifloia* Lnk — *Urachne fiultscens* Lnk — *Miltum Thomasn* Dubf — *Piptatheium Thomasn* Kntli 1 c no 4 — *Milium paucifloi urn* II Madnt — *Agroslis dispar* Steud
- 2 'U VIRESCENS Tnn — Tnn ft Rpicht 1 c 12 f - *Mthum paradoxum* Scop Fl Cam 1 58 nb 1 — *Oiyzopsis par ado xa* Pum. — *Milium Scopohanum* Willem — *Urachne pmailoxa* Lnk
- 3 U I INNAn Tun fit Rprcht 1 c 13 f — Pamcuhe radns gemims, gluma inferiore 2V»-lineilli, qiunqueneivi, flosculo bilmeali glumis terlia parte bieviore sparse pubescente, austa 4—6 lineali, antherarum loculis npice nudis — *Giamcn pamculatum Gallopi nmciale* — *Agi ostis pai ado ta* Linn — *Milium paradoxum* Linn — *Milium nigiiitn* Lamark — *Agi ostis mclanospcima* Lamark — *Piptatheium paiadovum* P B — Hibiiat in regione *Fncaium* 3000 — 5000 alt Hispaniap Galliao etc et in insula Madeira
- 4 ' U COI RULESCENS Tnn — Tun ft Rprtht If U f — *Mihum cocrulescens* Dsf_f Fl All I 66 lab 12 — *Agrostts coeiulescens* Poir — *Piptatheium coeiulscens* Palis — Knth 1 c 176 no 1 8c Suppl 131 — *Iilium pwpuietn lapejr*
- 5 U SONGARICA Tun 8c Rprcht 1 c 15 f — Paniculae ladns bims solilaniste, gluma infenore trilineah, basi ima violascenle ^eplemner*i*, flosculo sesquilineali dimidia parte supenon pubescnle arista exserta trilmeali, anthenrum loculis npice baibatit — *Uiachnc giandiflua* Tnn — Ldb Fl Alt ill lab 221 — Habitat in rupestnbua moniiium Kurtschum Arkaul et Dolenkara
- b "U GRA^DIFLORA Tnn — Tun 8c flprcht 1 c 16 f — *Agioslis holcifoimis* M B — *Piptatheuw holciforme* R 8. bch — Knth 1 c 175 no 5

Sect. II *Oryzopsis* Rich — Tun a Rprcht. 1. c 16

(Knth Enumer 175 — Cf pag 725 hujus hbn)

- 7 U MICRAMHA Tnn ft Rpicht 1 c 16 — Folns lincan-setaceis con\olutis, pamculae radns gemims multiflons, flosculo glabro glumis acutiuculis linealibu^ paulo brevior, arista glumis subtuplo longion, anthenrum loculis apice nudis — Aflnis quoad Inbitum *U paivifloiae*, sed spiculu nitidis pmo obtmtu differt — Habitat in America boieah
- 8 "U BREVICALDATA Tun— Tun 8: Rprcht 1 c 17 — *btpa iimcea* Michx. (necL) — idpa *Canadentis* Pou — Knlh 1 c 180 no 8— *l/thum puny ens* Toir — (*hyiopsis panifloia* Null— *Milium Muhlenbei gianum* Schult — Knlh 1 c 67 no 9 — *Panicutn fumum* Knth 1 c 111 no 243 — *Liachne Canadensit*, Ton 8. Gr
- 9 'U ASPERIFOLIA Tnn — Tun ft Rpicht 1 c 17— *Oiyzopsis aspenfolia* Palis — Knlh 1 c 176 no 1 — *Oiy.opsis mutica* Lnk — *Oiyzopsis leucotpeima* Lnk
- 10 'U R\CEMOSA Tun — Tnn ft Rpicht 1 c 18 — *Milium lacemosum* Sm — *Oiyzopsis melanocaipa* Mhlnbrg — *Piptatheium nigium* Torr — *Uiachne melanosperma* Lnk

Sect III *Enocoma* IVutt — Tnn a Rpicht 1 c 19

Pamcula ampla lucida Floscuh senceo-laniti o\ati. Lodic sqq 5 (i e 3, accessoms 2) Anlherae barbatae Stigmata e\ apice flosculi exserla.

- U *U LANATA Tnn — Tnn ft Rprcht 1 c 19 — *Stipa membianacea* Prsh — Knlh» 1 c 186 no 57 — *btpa hyminoides* R ft Schult — *Lnocoma cusprdala* Null — *M⁶ hun cusptdalum* Spr *

Sect. IV. *Nasella* Tnn. ft Rprcht. 1. c 20,

Flosculi obo\ali gibbi, a latenbus quidpiam compressi nee distmcle
stnali neque tuberculati Arista debilis aequa lateralis. Stigmata bre-
via cum staminibus sub anthesi e medio nmae valvulae mfenons e\serta.

- ¹² U UALNKCANANA Tun fit Rprcht 1 c 20 + — Paniculae radus geminis, mferne nudu,
glumis ncutis sesquilinealibus, flosculo oblongo, apice truncato, lineali, pubescente,
ai iSta tenui iTexuon par um torta, glumis sublnplo longiore — *Stlpa mconspicua* Prsl.
— Habitat in Peruvia*?
- ¹³ U MEYENIANA Tnn ft Rprchi I c f— Paniculae radiis gem in is, ramo altero a basi
fere spiculigero, nltero mferne nudo, glumis acutis fere bilmealibus, flosculo olilongo,
apice obtuso, %-lineali, glabemmo et laevi, aiista tenui flexuosula, parum lona, glu-
mis subduplo longiorr — Habitat in Peruvia
- ¹⁴ U LAEVIS Tnn ft Rprcht I c f — Paniculae" radus contracts, a basi ima spiculige-
->>, glumis cuspidnus sesquimeahbus, flosculo cuneato, glumis duplo breviorre, gla-
I'ernmo nmdo, arista tenui flexuosa, parum torta, glumis duplo tnplove longiore —
Piptatheium laeve Nees et Meyer — *Piptatheium ramosum* N ab E> — Habitat in
piano alpino Peruviae altitud 5500 ped (?) - in planitie alta 14500 ped circa
Pisacoma
- ¹⁵ U PUBIFLORA Tnn ft Rprcfit J c 21 f — Paniculae radus in fen on bus 2—4-ms, m-
frne (<?aepe ad dimidium longiludmis) nudis, glumis acummaio-cuspidatis sublinea-
libus, flosculo cuneato, glumis duplo breviorre, pubescenti - piloso (pilis albidis sursum
longionbu<0, arista tenui, recurva, viz vel parum torta, glumis subduplo longiore —
Habitat in Peruvia
- ¹⁶ U MAJOR Tnn ft Rprcht 1 c f — Paniculae radus subbinis, mferne nudis, glumis
acuminato - seiigens bilmealibus, flosculo oblongo -cuneaio, glumis duplo breviorre,
glabemmo, arista tenui rectiuscula, viz vel parum torta, glumis duplo tnplove lon*
giore — Habitat in Chile»
- ¹⁷ U CHILENSIS Tnn — Tnn ft Rprcht I c. — *Cmyochloa Chilensis* Spr — *Co-
lyochloa lefiacta* Spr — *Uachne ramosa* Steud ft Hochst — *Piptalherum Lmdleya-
num* N ab E
- ¹⁸ U OBTUSA Tnn ft Rprcht. 1 c 22 f — Paniculae lineans contiadae depauperatae
radus brevissimis a basi spiculrgens, glumis obtusiusculis sublinealibus, flosculo ob-
longo, glumas subaequante vel paulo breviorre, nudo et scabnusclo, ansta tenui sub-
recta, non torta, glumis tnplo vel quadruplo longiore — *Piptatheium obtusum* Nees
ab Es — Habitat in Peruvia, in planitie alia ad Arequipam 12—13000 ped.

Sect. V. *Piptochaetium* Prsl. — Tnn ft Rprcht. I. c. 22.

Flosculi obovati hmc gibbi, a latenbus quidpiam compressi, dorso
b1c annati stnati v verrucosi Arista firma lateralis.

- ¹⁹ D SIMPLEX Tun ft Rprcht I c 22 f — Paniculae depauperatae sesquipollicans ra-
dns 2—3-nis, a basi fere spiculigens, glumis late ovatis acuminato-cuspidatis subses-
luilineahbus, flosculo obo\alo, hmcgib'bo, lineali, ad callum breviter piloso, caeteium
glabro et subnlissime stnato, arista firma flexuosa, non loria, glumas aequante, mox
caduca — *Caryochloa refiacta* ft *Chilensis* Sprengl. — Habitat in andis montanis prov.
Goncoo et in Andibus de Antuco

- (§. *Peruviana* flosculo subtilissime stnaio et tubeiculis hinc inde obsesso — *Piptochaetium setifohum* Prsl — *Stipb setifoha* Knlh 1 c 182 no 22)
- 20 *U PANICOIDES Tnn a Rprcht I c.23 f — *Stipa pamcoides* Knlh 1 c 182 (ex p) a Suppl 137
- (§. *lit asihenns* Paniculae amphons ovatae bipollicans radiis basiRudis, spiculis quidpiam biewonbus, folus fluiformibus longiſſimis flaccidis — *Stipa pamcodes* N ab E
- 21 *U TRICHOTOMA Tnn — Tnn a Rprcht 1 c 24 f—*Stipa tnychotoma* N ab E — Knth. Suppl 139 — *Piptathenim maciatheium* N ab E
- 22 *U SETACEA Tnn — Tnn a Rprcht 1 c f — *Shpa pamcoides* Lam — *Oryzopsis sclacca* Rich — *Stipa ovala* Tnn — *Slip a bicoloi* (5 N ab E
- 23 U STIPOIDES Tnn a Rprcht) c 25 f — Paniculae diflusae 4—5 pollicans ladiis subbinis erecto-paieniibus, superne spiculigens, glumis longe acummatissimilmealibu*, medio coloraus, maigine h\ahms, flosculo obovato, a latenbus compiesso, hinegibbo, glumis subduplo brevioie, stnaio et apice verrucis paucis obse&so, basi villis ferrugineis, semilineam longis cincto, arista firm a, flexuosula et gemculata, evidentei torta, subnovemlmeali — Habitat in Biasilia meridional/

798 STIPA Linn

(Kntb Enumer. I 179, Suppl 133 — Wlprs Annal. I 925 — Tnn a Rprcht MCmon de lacad impCr de St Ptisbrg (6 Se*ⁱ) Sc nat V 25)

Sect. I. *Oreostipa* Tun. ft Rprcht 1. c. 26

Cbilenses, fionanenses, Peiuwanae et Mexicanae. Glumae subaequales plerumque coloratae 2—8-lmeales (in *St melanosperma* sesqmpollicares), flosculi saepe coronati, ansta nuda longitudine modica, y_a—3-polhcan (in *St melanosperma*) 4%-pollican

- 1 ST INTERMEDIA Tun a Rpicht I c 26 f— Pdniculae erecto-paiulae lucidae iadiis bims temisve, a medio circitei fionfeus, glumis acuminaiis subaequalibus, fere 4-linealibus, flosculo obovato, hinc gibbo nudo striatulo, versus apicem verruculo³⁰ sesquilineali, basi barbato, villis fei rugineis dimidio flosculi longionibus arista sub^o persistente, sea bra parum torta, flexuosa 10—14-lineau, anthens . ?— *Slipa bicolor* P 1 N ab Es — Habitat in Brasilia mendionali
- 2 *ST RIFOLOR Vahl — Knth I c 181 no 19 a Suppl 137 —Tnn a Rprcht 1. c. †
- 3 ST NEESIANA Tnn a Rprcht 1 c 27 f — Pamculae erecto-paiulae lucidae radus subbinis, a medio circier floiifens, glum acuminatis subaequalibus, 7-linealibu*» flosculo cjilindraco, undique verrucoso-aspero, 3—3'/^lmealJ, basi sericeo, villis can* didis abbreviate, in nervo dorsali usque ad medium valvulae excurrentibus, arⁱⁿ persistente, \ersus msertionem pubescenle, lorlili flexuosa, 2-pellicari et longrot. anthens ? — *St emmens* N ab E. — Habitat Monte \ideo

P *Chdenss* flo&culo tantum aspero, pamculae 2 — 4 - pollicans radiis erectis (non ascendentibus), minus elongatis — *Stipa bicolor* Cavan

Y *rernandeztana* elata folus plamusculis cum nodis glabns, ligula sesquilm^{es} paniculae pedalis radiis 3 — 4 verticillatis, divancaio-pendulis ascendentibusve; »^o *^j

- culo 4^xA-JineaJi; coronula aculeato-pilosa. — Habitant (J in Chile, Y in inaula Juan Fernandez.
- * " ST. SETIGERA Prsl. - Knth. 1. c. 185. no. 53. — Trin. ft Rprcht. I. c. 28. +
- ⁵ ST. PÖPP, IGIANA Trin. ft Rprcht. 1. c. 29. — Paniculae laxae coloratae semipedalis, bnsi vaginaiae radiis binis lernisve, ascendenlibus, circiter a medio floriferis; glumis acuminatis subaequalibus, 5—7-linealibus; flosculo subcylindraco, usque ad apicem seriatim albo - piloso (inierstiliis asperulis), decolori, apice setuloso, 3y₂—4-lineali; arista demum caduca, inferne breviter pubescente, tortili, bipollicari et longiori, ad V, longiudinis recta, dein geniculata; antheris nudis. — Habitat in Chile australi andina pr.- Anluco.
- ⁶ *ST. CUMINGIANA Trin. - Trin. ft Rprcht. I. c. 29. f
p. *lachnophylla* Trin. — Chili.
- ⁷ * ST. TROCHLEARIS N. ab E. ft Meyen. - Trin. & Rprcht. I. c. 30. f
- ⁸ *ST. EMINENS Cav. Icon. V. 42. tab. 467. fig. 1. (?) - Knth. 1. c. 181. no. 15. - Trin. & Rprcht. 1. c. 30. +
- ⁹ *ST. MUCRONATA H. B. Knlb. — Knth. I. c. 181. no. 16. — Trin. ft Rprcht. 1. c. 31. f
- ¹⁰ *ST. CAUDATA Trin. — Knth. I. c. 184. no. 44. — Trin. ft Rprcht. 1. c. 32. ±
- *1. *ST. COERULEA Prsl. — Knth. 1. c. 182. no. 25. — Trin. ft Rprcht. I. o. 33. f
12. •ST. FIMBRIATA H. B. Knlb. — Knth. I. c. 182. no. 23. — Trin. ft Rprcht. J. c. 34. f
— *Stipa heterophylla* Willd. Herb. — *Avena stipoides* Willd. — *Milium Mexicanum* Spr.
13. •ST. VIRESCENS H. B. Knlh. — Knth. 1. c. 182. no. 24. - Trin. ft Rprcht. 1. c. 36. f
- J4. »ST. IBARENENSIS H. B. Knth. — Knlh. 1. c. J81. no. 14. — Trin. ft Rprcht. I. c.
- *5. *ST. MELANOSPERMA Prsl. — Knlh. I. c. 186. no. 54. — Trin. ft Rprcht. 1. c. 37. f
- ¹⁶ ST. SELLOWJANA N. ab Es. mss. ex Trin. ft Rprcht. 1. c. 38. f — Paniculae pedalis painlac laxiusculae lucidne exsertae radiis 3-r5 a medio floriferis; glumis aculissimis subnequalibus, 8-linealibus; valvula inferiore 5-lineali, iota pilis albidis patulis birsua, npice ccoronaia; arista caduca scabriuscula, ad 1/a longitudinis suae recta et 1/2 alde torta, dein geniculata, fere tripollicari; antherarum loculis apice setosis. — Un- titat in Brasilia meridional!
- ¹⁷ *ST. MEGAPOTAMICA Spr. - Knth. 1. c. 184. no. 45. — Trin. ft RprcJj. 1. c. 38. f
- ¹⁸ " ST. FILIFOLIA N. ab E. — Knth. 1. c. 185. no. 46. — Trin. ft Rprcht. 1. c. 39. f
- ¹⁹ 'ST. HYALINA N. ab E. - Knlh. 1. c. 182. no. 26. - Trin. ft Rprcht. 1. c. 40. +
- ²⁰ 'ST. TENUISSIMA Trin. — Trin. ft Rprcht. 1. c. 41. f

Sect. II. *Jarava* Trin. 8c Rprcht. I. o. 42.

Arista vel basi tantum plumosa v. pennata. Patria ut sectionis Pnmae.

- ²¹ *ST. JARAVA P. Br. — Trin. ft Rprcht. I. c. 42. f — *Jarava Ichu* Rz. & Pav. Prodr.
ⁿ Peruv. 2. lab. 1. (lg. 2. — *Stipa eriostachya* H. B. Knlh. — Knth. I. c. 183. no. 28.
~ *St. Ichu* Knth. I. c. no. 29. — *Stipa pungens* N. ah E. ft Meyen. — *Jarava arundinacea* Willd.
- *² *ST. PAPPOSA N. ab E. - Knlh. 1. c. 185. no. 48. - Trin. ft Rprchi. 1. c. 43. f -
tola ~~magre~~ ^{magre} ~~plumosa~~ Spr.

- 23 'ST HUMILIS Cav Icon V 41 lab 466 flg 1 — Knlh 1 c 181 no 13 — Tun & Rprtht 1 c 44 f
- 24 ST SPEIOSA Tnn a Rprcht 1 c 45 f — Paniculae contrartie depaupentae vagimne tadiis subbmis aluro paulo supn basin, iliero ^u perms spicuhm fovente, glumis arutis h\alim> subieqmlibus, vilvuh extetiore. U\le 6 linenli ton pubesconte vol seuc(i fere duplo lonqionbus, aristi mo\ oduo a bisi ad gomculum candido plumos-i, pmlo infnmodium recuivala superne nudn l'A—? polhc-in nnlhens nudis — Habitat in Chile
- 2b " M PLUMOSA Tnn — Tnn ft Rprcht 1 c 45 + — St pennata var Cav Ic \ 41 '

Sect III *Nesostipa* Tnn a Rpicht 1 c 47

Species No\ae Hollandiae et insulae Diemensis Glumae parum in-jcquales $4\frac{1}{a}$ —9 lint ales, interdum coloralae Flosculi ecoronati Austae scabrae nudae <? pubescen-h-plumo^ae 1— $3\frac{1}{2}$ -polhcares

- 2b *ST FRIMTA Gaudich — Knth 1 c 184 no 37 — Tnn ft Rprcht I c T
- 27 ST COMPRI SSA R Br — Knth 1 c 183 no 38 — Tnn fit Rprcht 1 c 47 +
- 28 'ST hLA\ESCCNS Li Billard — Knlh I c no 35 — Tnn 8c Rprcht 1 c 48 +
- 29 ST RUDIS Spr — Knth I c 186 no 59 — Tnn ft Rprcht I c f - « pubescent R Bi I
- 30 ST fOMMUTATA Tim a Rpicht I c 49 + — Piniculne hxuisculae exsoitae ndns hñi< iliuo non long* supn hasm altero supenus floufcio glumis paulo mie-quilihus (mfcuoic m ijore 8—9 lincnli) oblusis \el crosis \nlvulis $4\frac{1}{2}$ —5 linoulibus sobns non ad ipicem usque pubescentibim m i&l I (SPIO caduca) tomli fkuosa, infn grmculum scobrñ vel br(Mssime pubescenle fero inpolleiri, onihons nudis — *Sti)ui pubescens* N ab E — *Stipa sclacea* R Br — Hnbitat in Nova Hoilndia id porluni Jnrkson
- 31 ST PUnINODIS Tun ft Rprcht I c 50 + — Pamculno contortae radns plunbus bicvionbus nun longe a bisi, longionhus encilei a medio flonfqns, glumis aculsi-biriis imcqlidlibus, infnoie valvuli 6-lmcali, miigimbus ad ipicem usque bievissime pilosula subduplo, su|»enore fm qu\rlnun pirtem longton, arista persistente fle-xuosti me (I IO recurva, infn gemculum brevissime pubescenlc 3 pollican, anthens nu-dis — Habitat in Terra Van Diemen
- 32 *ST SLMIBARBATA R Bi — Knlh 1 c 183 no 31 - Tnn ft Rprcht 1 c 51 +
- 33 'ST NOLI IS R Br — Knth I c no 30 — Tnn ft Rprcht I c 52 f
- 34 'ST El FGANTISSIMA 11 Bilhid -Knth 1 c no 34 —Tun ft Rprthl I c t

Sect IV *Schizachne* Tnn a Rprcht I c 53

Species Capensi<? Glumae subulgto-mucronatae, inferior dpice Hf' tegra, superior bidentata flosculum subaequans

- 35 'ST PARVULA ^ ab E Gramm Afnc ausir 169 — Tun ft Rprcht I c f

Sect V. *Eustipa* Trin & Rprcht. 1. c. 54.

Species zonae temperatae hemisphaeri borealis (una Capensis).
 «Lumae» saepe decolores hyalinae, interdum valde inaequales 4—21-
 lineales. Flosculi apice nudi s. coronulati. Aristae nuda s. (in ultimis
 8 speciebus) holosenceae aut pennatae, rarius tribus pollicibus
 raris, saepe longissimae pedales usque.

36 ST LEUCOTRICHA Trin ft Rprcht 1 c 54 f — Paniculae pauciflorae raris
 nonbus bimis erectis, apice 1—2-flos, glumis acuminatis subaequalibus,
 6—7-linealibus nervosis, pallide viridibus vel bimode coloratis, valvula
 extensoria 4—5-lineal, ad callum et nervum dorsalem ullum medium
 flosculi candidae barbata, caeterum undique piluloso-scaberrima,
 arista subsistente, toita, superne quidpiam flexuosa,
 dem gemculata, 2¹/₂-pollicans, antheris pennicillato-barbatis — Habitat in Texada

*⁴ *ST AVENACEA Linn — Knth 1 c 181 no 17 - Trin ft Rprcht 1 c 55 f —
Andropogon folio superiore pathaceo Gronov — *Stipa barbata* Michx — *St Virgimica*
 Pers — Knth 1 c no 18 — *St bicolor* Prsh

a. Panicula simplici, basi vagina involute

(i. Panicula compositae exserta)

38 'ST RICHARDSONII Lnk Enumer II 245 — Trin ft Rprcht. I c 57 f

19 *ST VIRIDULA Trin — Trin ft Rprcht I c f — *St stnata* Lnk I c I 98? -
 Trin a Itprcht I c 59

40 'ST SIBIRICA Linn — Knth I c 185 no 49 — Trin ft Rprcht 1 c 59 f - *Avena*
bibmta Linn

41 "ST BUNGEANA Trin in Bnge Flor Chin 144 - Trin ft Rprchl I c 61 f

** 'ST PARVIFLORA D*^t — Knth I c 181 no 12 - Trin ft Rprcht I c 62. +
to Deigen Lnk — *St tenuifolia* Su b — *St elungata* Rth ?

43 *ST CAPENSIS Thnberg - Knth 1 c 186 no 56 - Trin ft Rprcht I c 63 f

" 'ST TORTILIOSA Desf - Knth J c 180 no 11 - Trin ft Rprcht j ^ . 64 f - *St*
VaUacea Vahl — *Sbthip* Flor Giaec t 86 — *St humilis* Bioiero, n>hytogr. Lusit
 select 20 tab 9 - *St semmuda* Vahl

45 'ST JUNCEA Linn — Knth I c 179 no 3 — Trin ft Rprcht 1 c 66 f - *Festuca*
juncea foho C Bauh — *Stipa pMtscens* Lag - *St Lagascae* R ft Schult — Knth 1
 c 180 no 5

45 'ST RICHThRIANA Karel ft Kml Bullet de l acad de Mosc 1841 p 862 - Trin.
 el Rprcht I c 68 +

47 *ST SPARTEA Trin — Knth 1 c 179 no 4 — Trin ft Rprcht 1 c 68 f - *St.*
juncea Prsh Fl Amei bor I 72 — *St robutta* INutt

48 'ST GIGANTEA Lagasca — Knth 1 c 180 no 7 — Trin. & Rprcht 1 c 70 + —
 &¹ *juncea* Cav

P¹ *pcllita* Trin ft Rprcht 1 c 71 — Flosculus infra medium (non seriatim sed)
 indique dense pubescenti-senceus, aristae pars inferior tona subpollicans, superior
 6 ^-pollicans — in specie ^ero genuina tota arista 12-pollicans et ligula foliorum
 ^ulnjeorum 3—4-linealis — In Sicilia et circa Alexandnam

- 49 'ST HOLOSERICA Tnn — Knth 1 c 185 no 51 - Tnn. ft Rprcht. 1 c 71. f — *St pennata* (§ Tnn in Mejer, Enumer Cauc no. 37)
- 50 *ST CAPILLATA Linn — Knth 1 c 180 no 6. — Tnn ft Rprcht 1 c. 72. f — *Fesluca longiwimis* amhs C Bauh — *Tnchosantha* Chrh. — *blypa juncea* Lam — *St ciecia* Hoi t Madnt — *St Lagascae* Guss — *St Ueramca* Lam — *St Ucianensi** Lam (''; — Knth 1 c 186 no 60
- 51 ST COWATA Tnn ft Rprcht I c 75 f - Paniculae magis minusve implexo-contractae radiis suhternis, alns fere a basi, alns supenus flonfens, glumis subulalis snbaequalibus, vahnla mfenore5-lineali undique brevitci pilosa subduplo longionbus, arista subpersistente tortili phcata el vane inflexa, subsexpollican, amhens barbatis — *St juncea* JNuffall (non L) — *St capillata* Hook — Habitat ad ripas Missouri et in Virginia
- 52 ST FHRENDERGIANA Tnn & Rprcht 1 c 75 f — Paniculae depauperatae contractae radns solitams binisve, superne spiculas 1—9 foyentibus, glumis longe subulatis subaequalibus, valvulis 5-hnealibus infia medium donsissime seriatim burbatis tripio longionbus, arista caduca, infeine tortili et holosencea (non pilosa), superne breviter piumosa subsexpollicnn, onthens . . ? — *Habitat* in Syria
- 53 'ST DARDATA Desf — Knth 1 c 179 no. 2 — Tnn ft Rprcht 1 c 76 f
(3. *lhspamca* flosculo 4—5-lineali, ultra medium usque set mum pilosulo, versus apicem hispido, arista 4—5-pollicaii, bisflexa, a basi ad gemculum breviter pubescente, d<in paicnti-pilosa — *Habitat* fastella nova
- 54 ST AR4.BICA Tun ft Rpicht I c 77 f — Camculae contractae ladus binis, altero infenus, nlteio stipends flonlero, glumis longe subulate subaequalibus valvula 4—5-hnedli, ultra medium usque undique breve pilosula fere tripio longionbus, arista < uluca infeino tortili Jiolosencu supoine breve piumosa, 3—4 - pollican, antheris iudis, culmo basi cum vagims glmbro %d tenuissime pubescente — *Habitat* inter hpides ad radices monLis Sinai
(J *Szoiützicma* culmo basi cum vagnus brevissime tomentoso, ansta 5—b-pollican — S/IJW öienlattit P *J'cisioa* Tun — *St baibata* Tnn -r Habilui in Poisio boicnli
y. *Müicuana* culmo glabro vcl bnsi tantuin versus nodum pubescente, vngirns inflmis gl.thiis, arista 4-pollicnn — *St ontntahs* Tnn — *Habitat* in locis lapidosis .uidis moni^a Talusch alt 2400—4020 pvd
- 55 ST CONSANGUINEA Tnn a Rprcht 1 c. 78 f — Paniculae depauperatae, intra vaginam dilaiitnm coloiitam nbscondnae radns soliuirus binisve, non longe supra basin spiculns paucas gerentibus, glumis acummalissimis subaequalibus, valvulis 4-lincalibus, seiidiim pubescnlibus et apice coionatis duflo inplove longionbus, ansla ca^, duca 2>uhtorlili, rcfincta vcl acuata, tola adpresge pubescenie, 3—4-pollicari, antheris nudis — *St juncea* Linn > — *Habitat* in deserlis Tschujae edilionbus
- 56 * ST ORIEFvTALIS Tnn — Knth 1 c 185 no 50 — Tnn ft Rprcht 1 c. 78 f
- 57 ST LESSINGIANA Tnn ft Rprcht 1 c 79 f — Paniculae depauperatae vagina in' clusae radns subsolitarus 1— 2-flons, glumis acummatissimis subaequalibus, valvula 4—5 - lincalibus, ad npicem usque undique pubescenti-pilosulis subduplo longionbus} arista caduca, a basi ad gemculum usque glabernma, lorta, obscure geniculaia, del'' bie|c et nuccte piumosa, 5—6 - pollican, anthens nudis — *Habitat* in guberniO Orenbuig
- 58 ST HOHEJNACKCRIANA Tun ft Rprcht. I c 80 f- Paniculae angustae contract radiis inrenoiibus binis, 1—2-lions, glumis longe subulalis subaequalibus pollican} bus, valvula extenore 5-lineali, usque ad medium circaer subsenaiim pilosula, arista

(serms) caduca, arcuaia, o bnsi ad gemculum usque nudn et torta, dein breve et arrécte plumo^a, sub 5 - pollicnn, nnthens nmlis — Ihibitnt in Transcaucasia circa Shusha el Helenendorf

⁹ *ST PENNATA L — Knth I c 179 no 1 - Tnn & RprclU 1 c 80. f - *Spai-
inn Austracum pennatum* Clus

(& *Mtditeiranea* Tnn 8r Rprcht 1 c 82 — Flosculis undique fere (nee distincte seriatim) piloso-barbaus — In Gallia et Hispama mendionali

t Species novae addendae ad sectiones guas nondum relatae.

^{fi} ST PULHERRIMA f Koch, *Dinnaea* XXI 440 f— Folia -nvoluto - selacea, ex apice siepe pinna, pnnicula multifloia, a vigmi iota mclusa et ab ejus hmma superata, Rlumae 2—3-pollnares septemneives, palea inferior <?eintira et ex pule mferion puhescens, arista pedilis et ultn, e| paite infenon tertia tortilis scabnuscula, caeierum 8'ibra, demum saepe bigemculah, ex pane supenore hirsuta — Crescit in Onpnte ^cpteniionali (Enwan)

*¹ ST CASPIA C Koch 1 c f — Glauca folia convoluto - setacea laevia, raro viz scabriuscula, glumae lanceolatne, flosculum superanies, subaequales^ arista paleae inferioris undique pilosa gemculata — Crescit ad littora mans Caspn

62 ST CILIATA Scheele, *Linnaea* XXII 342 f— Radix fibrosa caespitosa Culmus sesquipedalis simplex status geniculatus binodis glabei, inferno tereliusculus Folia involuta uninervia sulcata ocutato - subulnta, utnnque hispida pulcheinme ciliata, radica nodum summum attingentia Folium florale involucrale glabrum pamculam sulnequans Vaginae stnaiae pai ce puboscontes, mternodus breviores, ore plerumque barbatae Pamcula ramosa subsecunda hxi, nmi infenores bini biflon supenores umnon solilaru Rbachis, rami peduncuhque filiformes scabn Spiculac peduncu-Intte spr&no uniflomp, pedunculi glunns bi ovioros Glumae subaequales concavae bjuJmae lanceolatao cuspidioiao glabiae dorso tnnorves, paleis dinndio longiores, nervi vindes lalerdles evanidi Peiianthium lnnceohtum 4-lineatum, basi senceum, opice cvllosum laceium flmbnatum Arista to Hi inleine senceo - pubescefls, supeme scabra glumas quadiuplo, paleas sexduplo superans Stigmata plumosa — *Stipa fimbriata* H Knth proxima difleit folns glabns, gluma supenore quinquenervi, inienon ^{se}Picmnervi, *St hyahna* N ab Es folus plams, culmo ramoso, arista Q#B, *Si eminent* ^{av} rhachi glabr, glumia paleas duplo superantibus — Giescit in Texade prope Neubraunfels

63 st SCABRA Lindl m Mitchell, *Journal of tropical Austialia* p 31 adnot — Anstis nud"s, paleis pubescentibus, basi villosis, glumis setaceo-acuminatis glabns, folns *cabro- pilosis involutib, culmis brevioubus, geniculis pubescentibus, ligula oblonga ^subciliata ~ Crescit in Austialia onentali tropicali

64 st FILICULMIS Dehle, *Ind sem hort Monsp* 1849 p 7 - Folns capillaceis ^{co}n^olutis, vagmis laevibus, ligula membrianacea culmo Oonfero capillaceo declinato, ^{Sul}» Qnihesi piotracto m filum folns plus quam duplo longiorem teimnatum pamcula ^c«d»ra Q,ma - Crescit ?

^{file} st PORMICARUM Delile 1 c — Folus lineaubui glabns, demum convolutis, supra stitatus i, gula |e|v| hyaiino, culmo erecto ramoso, pamcuhs termmalibus subcoaiacta-llsi palci corollma teietiuscula, aimato oculo scabndo-venucosa, juncturam anstae ^{lnira} "gularum appendicem recondente — Afflnis *St junceac* dignoscendae corolla ^{Qp}ce sensim attenuata tenuiter scabnda, annulo brvissimepuberuloanstam jungente ^{'''} Crescit

66 ST PAPPUSA Delile J. c f — Foln > !>etnceis convolutis; vaginis stnatis, nprice ad Intern abrnptp n uncatis ciliatis, culmo tiinodi, panicula delicatula colorata, ansta palene corollinae basi torta, per medium pilis expansis veluti pappo onusta— Gramen ad *baccharum Tentnffae* quodammodo habitu accedens, perenne, recens advena cum duohus praecedentibus — Crescit °

798A ARISTJSTilia Tnn.

(Tnn et Rprcht MCMoir de l acad impdr de St Ptrsbg (6 Se*i) So natur V 83)

Panicula lineans depauperala subracemosa. Spiculae uniflorae, flosculo articulatum secedente, glumis membranaceis subaequalibus distincte brevior Vahula infeior glumis paullo firrnior (nee coriacea) pubescens, supenorem lircte obvolvens, sub apice hyalino anstam articulatum persisUntcm rectam non tortam MX semipollicarem sustenlans. Lodiculae sqq 3 Stamina 3, antherarum locuhs apice nudis Styli breves dislantes, stigmata plumosa — Gramen in regione Mediterranea usque ad faucasum ciescens, affinior *Lasiagrostidi* quam *Stipae*, sed potissimum inflorescentia et glumis nenoso-costalis diversum

1 'A HROMOIDES Btrtol FI Ital 1 690 — Tnn et Rprcht 1 c 83 f — *Gramen spai-leum saxatile* Micheli — *Agiostis biomoidrs* Linn — *blipa Anstella* Linn — Knth Lnumor I 180 no 10 — *Calamagrostis gracilts* Seenus — *Achnalhaum bromoides* Pilis — *Andiopogon heimophroditum* Pouiret — *Calamagrostis biomoides* Nutt — In Luropa media, At>ia minore

798/a ORTHORHAPH1UH N. ab E

(N ab E. Ann of nat hist VII 221. — Endl Gen pi Suppl II. p. 7 — Tun el Rprcht Mém de l acad impdi de St Ptrsbg (6 Se*r) Sc natur V 85)

. *O ROYLEI N ab C I. c. - Tnn etRpicht 1 c 85 f

795. liASIACtROSTIS Lnk.

Knth Enumer 1 177, Suppl 132 — Wlprs Annal 1 S25 — Tnn et Rprchl Memou ^{de} 1 acad impe'r de St Ptrsbg (6 S<\$r) Sc natur V 86)

Sect. I. *Leplanthele* Tun. a Rprcht. 1. c. 87.

Spiculae fere tres hneas longae. Austa subpolhcans piloso-sericea torta et gemculata.

| I MONGHOLK A Tnn et Rprchl 1 c 87 f — Pamculao laxissiraa pauciflorae ra^{dile} soliiams blnisve, supernu 1—2 (loris, glumis ohtusis subaequnlibus, apice (sub |*Bti*W ipntro-piloMilm, vnlvuls 2¹/₂-linclo>, infeino pilosulns aoquoniibus, nnsia pertis^{^11^} lorlili flexuosa, mtdio incuivi, loin lanala, circiier 10-lincnli, anlhciis nudis — ^{td} **Monghoiica* Turcz — *Si filtfoints* Turcz — Habitat m piatis humidis subalpinis

Sect. II. *Lasiagrostis* Trm. a Rprcht. 1. c. 88.

Spiculae 1—3 lin. longae. Arista ux semippljcaris nuda vix Iprt*.

*. "L. (A'L.NSIS N. ab E. Gramin. Afic. ausir. 167. - Trin. et Rpichl. I. c. 88. f

3 L SPLtINDENS Kntli. I c 178. no 2. - Tnn el Rprcl.l. 1. c. 89. f - ^oshs lonye-
onsluta Hb. Rosxc — *Stipa splendeiis* Tun. — *bUpa Allaica* Tnn.

4 I C\R\GANA Tnn. et Rpicht 1 c. 90. t - Paniculae laxae lucidae radiis subbims,
superup nonfens; glumis acutis aequilongis, \alvulis aequalibus subultrahnealibu*,
'ere teiua pane longionbus; ansla caduca aequa lecia, glurajb sublnplolongiore, an-
thei is bnrbatis — *Stipa Caragana* Tnn.— *SI Bedowskn* Tnn — Knlh. I. c. 184. no. 41 —
Habiat ad Imora onenialia mans Caspn.

5 'L CALAMAGROSTIS Lnk — Knlh. 1. c 178 no. 1 - Tnn. et Rptcht. 1. c. 91. f —
tit amen uiundmaceum Scheuchz.— *Agiostts Calamagrostis*L.— *Stipa arhieUa* Gouun.—
Aijiosiu uiyentea Lain. — *Calamagi osus Arundo* Grael. — *Agroshts stipata* Koel. —
Calamayi ostis conspicua Bergeret.— *Calamagi oslis argentea* DC— *Calamagrostis specwsa*
Host — *Ai undo specwsa* Schiad. — *Arundo Valleii* Willd. — *Achnatherum Calama-*
groshts, Palis. — *Achnatherum Hallox* Palis. — *Achnalherum aigenleum* Palis. — *Stipa*
lahnnayi ostis Whlnbrg. — *Stipa Redowskn* Tnn. — Knlh. I. c. 184. no. 43. — *Strdp-*
tachne CalamagrotUs Duinorl. — *Ai undo glauca* Hornem.— *Agroshts papposa* Gilib.

Sect. III. *Macrochloa* Knth. — Tnn. & Rprcht. 1. c. 94.

(Knlh. Enumer. I. 178. - Endl. Gen. pi. no. 797.)

b. L. TENACISSIMA Tnn. et Rpicht 1. c. f - Paniculae densae coarclalae iddiis 3-5
fere Q basi llonfens; glumis subulatis, panrm inaequalibus, \alvula infenore 3%-4-
liueah villosa el breve bifida plus duplo longionbus; ansta (SLMO) decidua toiilli ge-
mculaia, infeme ad geniculum usque plumosa subbipollican; amhons bm balls —
AtvoaTtaptov Theophr. - *Spartum* Plin. - *Giamtm tparleum ptwutrn* f. Bauh. -
- *Stipa lenaassima* Linn. - *Maci'ochloa lenacwmna* Knth. I. c. 179. no. 1. - Ua-
b'tai in collibus incullis Baibanae.

7 L GIGANTEA Trin, et Rprcht I c. 96. f - Paniculae laxae subseeundw) radiis binis
tem.sve, mag.s minusve super.us nonfens: glumis subncum.nalis subaequalibus, val-
vulis8-9-lmealibus villosuhs teria pane lorufionbus; aus.a pers.stente tprtUii H^uosa
nuda subiripolhcan, anther.s barbais. - *Gramen sparteum avenacea pamctda dMme-*
''rGmu s L - Slipa „an\ea L.k. - *St. aretiaua* Brot. - *Avena Cavamllem La-*
gasca - *Macrochloa arenana* Knlb. 1. c. 179. no. 2. - Hab.tat m Lusitania.

(867.) **ANISOPOGON** *H. fir.*

(K"ih Enumer 1. 308, Suppl. 161. - Tnn. et Rprcht. Mdmair. de l'acad. impe> de St
Ptrsbg. (6. S6r.) Sc. nalur. V. 97)

1 'A. AVtNACEUS R Br - Knlh. I. c 309. (cum synonymis) - Tnn. el ftprcht.
'c. 98 f

2 'A CAPENSIS N a b E G.omin Afnc. QU8ir. 265. - Tr.n. et Rprcht. 1. c f
in. y^

801. *ARISTIDA* Linn

(Knth Enum 1 187, Suppl 141 — Wlprs Annal 1 925 — Tun et Rprchi Me*mon de l'acad imperial de St Pti sbrg (6 S6r) Sc natur V 99 — Aid bid Adans — Cm *topogon* Palis — *Chaetana* Palis — *AUhialherum* Palis — *Stipagi oslis* N ab E — *MouUnsta* Raf — *Tmostts* Raf)

Sect I *Anstida genuina* Tnn a RprJit 1 c 100

Aristae persistentis setis nudis. — *Chaetana* Palis

§ 1. Boreali-Amencanae.

- 1 'A DICHOTOMA Michx — Knth 1 c 188 no 7—Torr Fl of New-Yoik II 454 nb 149 — Tun el Rprchi I c f- *Aiena setacea* Mhlnbrg — *Curtopogon dichotomic* Palis — *Avena paiadoxa* Willd
- 2 *A GRACILIS Ell — Knth I c 187 no 4 — Tnn et Rprcht I c 101 +• *Tiuco*^ Raf — *Curtopogon giacilis* N ab E
- 3 *A PURPURASCENS Pon — Knth I c 196 no 69 — Tnn et Rprcht I c 102 f—
Chaetana purpurascens Palis
(3 *Alabamensis* Culmo tereti, vagims glabns, pamcula Subcontinua pallula, gluma supenore 4—4¹/_i-lineali, infenorem et flosculum paullo supeiante — Alabama
- 4 *A STRICTA Michx - Knih 1 c 187 no 5 — Tun et Rprcht 1 c 102 f —
Ascenswms Walt (nee L) — *Chaetana stneta* Palis — *Anstida lanugmosa* Clarion
- 5 'A VIRGATA Tnn — Knth 1 c 187 no 3 — Tnn el Rprcht 1 c 104 f
- 6 A BEYRICHIANA Tnn et Rprcht I c 104 f — Pamculae lineaſ ultrapedah* radns solitarns remotis adpiessis, mogis minusve bipollicanbus, a basi feie flonfeſl*) glumis subaequalibus 5—6-linealiljus, flosculum (hebetaium >) tnplo breviorer arct* includentibus, flosculo laevi, tpice non torlo sens (juvenilibus) omnibus erectis m^o, dia semipollican lateialibus paulo longioie, inteidum patente — Habitat in pine*¹ Georgiae et in lemlono Aikansas
- 7 *A LANOSA Mhlnbrg — Knih 1 c 197 no 80 — Tnn et Rprchi I c 105 t - *
lanata Poir — *A gos&ypma* Dose — *Moulinisia* Raf
- 8 *A SPICIFORMIS Elliot —Knih 1 c 196 no 68 —Tnn el Rpicht 1 c 106 f-^
stiiicta Mhlnbg (non Michx)
- 9 *A PURPUREA Nutt Transact oftheAmenc pbil soc V '—Tnn et Rprch^h
1 c 107i f— Pamculae lucidae spaisiflorae flaccidae, basi inieiruptae semipedalis^{fl*} dus quims lenuissimis semiverlicillaiis effusis 1—pauciflons adscendenlibus flexuofl*' glumis inaequalibus bidentaus sub apice setosis, infenore 3—4 - lineali, supenore^{se*} lioeali flosculum disuncte excedenie, flosculo 4-lineoſj, doi so subtilissime scabro, >P^{co} non torto, sens omnibus subaequalibus ulti apoUicanbus paiuhs
P *Beilandieri* Radns contracts fere sessilibus, glumis brevissime dentatis
In Texade
y *Hookeri* Robustior, saepe bipedalis verticillis ladiorum longiorum remoli^{ent} bus, glumis apice integns s brevissime denuculatis — Habitat in Texade

- ¹² A MICROPODA Tun ft Rprcht 1 c 107 f — Pamculae lucidishimae sparsiflorae ngidmscuhe fere semipedalis ladns geminis, nltero bieivissimo umfloro, alteio Ionfeioie 1—2-floro, glumis panim maequalibus, 5—7-lmealibus, apice profunde bidentatis u subulo 2—5-lineali insiniclis, infenore qmdpiam breuoie, flosculo 6—7-lineali, dorso lae\i apice non torto neque articuhto, «etis omnibus palulis, media bipoliican Hternlibus quidpiam brevionbus — Habitat in Arkansas
- ¹¹ "A OLIGANTHA Michx - Knth 1 c 187 no 1 - Tnn ft Rprcht I. c 108 f - *Chaeiana ohgantha* Palis — *Anstida pallens* Nutt
- U *A IUBERCULOSA Nutt - Knth 1 c 196 no 67 - Tnn a Rpicht I c 109 f - *Chaetana tuberrulota* Schult
- ¹³ A DESMANTHA Tun ft Rprcht I c 109 f - Pamculae fere semipedalis, apice nutintis rddns geminis erecio-potentibus, apice fascicuhflons, spiculis breviter pedicolhtis, glumis ex apice subulato setigens subaequalibus, 7—8- linealibus, flosculo 4-lineali laevigato, apice cum sens usque ad basin fere disjunctis (sua sponte) vix deridms ariiculutum connexo sens omnibus patentibus pollicanbus subaequalibus, infine tortuosis et basi in stipitem linealem seme) tortum coalitis — Habitat in Texade
- ¹⁴ A FASCICULATA Torr - Knth I c 196 no 71 - Tnn ft Rprcht. 1 c 110 f — *Chaeiana fasaculata* Schult

S 2. Species Boreah-Amencanae tropicae et Austrah-Americanae.

- ¹⁵ *A CAPH LAGEA Lam. — Knth 1 c 188 no 9 — Tnn fib Rprcht I c 110 f - *Aiulida elegans* Rdge — *Chaetana capillacea* Palis — *Chaeiana capillans* N. ab E
- ^{1b} *A SANCTAE LUCIAE Tun — Knth I c. 189 no 15 — Tnn fit Rprcht 1 c. HI f
- ¹⁷ A TINCTA Tnn & Rpicht 1 c 111 f ~ Pamculae 3—5-pollicans pjramidatae secundac coloratue radns binis ternisve elongalis, longion inferne nudo erecto, superne patulo, glumis spadiceis subaequalibus acuminato - cuspidate bihneahbus, flosculum pallidum superne scabium non lorium aequantibus, seti» lateralibus erecto - palulis ^5 linealibus, media divaucata et parum arcuala 6—9-lineali — *Chaeiana spadncea* ' 7N ab Es — *A\istida spadicea* Tnn — Habitat in Guiana Gallica
- ¹⁸ *A TORTA Knth I c 190 no 21 — Tnn & Rprcht 1 c 112 + — *Chaeiana torta* N ab E
- ¹⁹ *A RtCURVATA 11 D Knth - Knth 1 c 190 no 20 — Tnn ft Rprcbit I c. 112 + — *lhaelana recurvala* Roem ft SchuU
- ²⁰ A r\EESIANA Tnn ft Rpicht 1 c 113 f— Pamculae*5—8-pollicans contractae den- "oioicie spiciformis, basi inieiruptae rt longissime exsertae radns 3—5-nis, abbrevia- llis i a basi nonfeus, glumis subaequalibus, apice attenuato acuminatis 4—5-hnealibus, losculo glabro u\gro-maculato, apice \ix (aut semel tantum) lorto, 2Va-lineah, setis dlvaucato-potentibus, basi recurvatis, superne stnctis, media 7—9-lineali lateralibus (Hidpmm longiore — *Chaetana recurvala* N ab Es (non R S) — *Anstida recurvala* Tr,n (non H B K) — Habitat in altis Adamanlims Serro fno dictis prov Minarum Bfah a_e
- ^{if} A RIDCLIANA Tnn ft Rprcht I c f - Pamculae fere pedalis, basi vaginatae fosviculaiae radiis geminis ternisve, elongatis erecto -pntentibus, basi nudis, snperne nooifcns, glumis subaequalibus, apice aitenuatiss acuminato-cuspidatis, sub-5-lmealibus, tto^cu0 glabro nigro-maculato, apice scabro, vlx torto, 2¹/_a-lmeah, sells divaucato-~~patentibus~~ (junionbus ereclis et vix) basi recurvaio intoilis, superne stnctis vel pa- tum aicuatiss, media subqumquelineah lateralibus quidpiam longiore — Habitat in campis prope Ypanema %

22 *A GIBPO^A Knth 1 c 189 no 16 — Tun & Rprcht 1 c 114 f — *Chactana gib-
bosa* \ i b E

23 *A (OMPLANATA Tun — Knth I c 193 no 46 — Tnn a Rprcht 1 c 115 + —
(*hacluna laivxi* N ab E — *Aiistdn laevis* Knth 1 r 192 no 34

24 \ PALITNS Cd\ — Knth I c 191 no 32 — Tun a Rprcht I c 115 f

a (*jemima* Tun fit Rprcht 1 c 116 — fulmo ped ih et longiore folns rndica-
lihus culmo pirnm bievionbus filrformibus tenuissimis, pamculae (excepus setis) in-
pollicnris piuciliorae luculae radii*, solitariis billons, gluma supenore pollican, setis
li ipollic mbu» — (av Ic V 43 tib 468 flg 2 — Habitat prope oppidum Clulense
futha-cucha

P *tcnuifolia* N ab Es — Tim et Rprcht 1 c — fulmo spithimaeo \el pomm
longiore vaginis oie biihatu nodis exsorsis, foil is cipilhnbus cunuhs 4-pollicanbus
el brvionbus, panicuhe 2—4 pollions pouciflorac lucidie indns genms 1—2-lions,
glumis | illidis, supenore 10—13- li cnli, flosculo 5-lmeali, sens 2 — 2'A - pollicanbus
coloraiis pntenlibus — *Chactana fallens* 8 N ib E — Imtida *pall ens* vai 8 Tnn —
Hibitnt in Monte Video

Y *mtei media* Tun tl Rprcht 1 c — Eadem ac piatcedens, at culmus parum
lllloI (10 poll), nodi plcrumquc oblecli, gimme subtoloiiitae, sclae 5 polhcares ere-
dtie \us»us ipicem colonlae — Habitat in Monte \idco, Chile

5 *hayopogon* Triu et Rprcht 1 c — Culmo subbipcdali, \affnns ore nudis,
nodos obtogpiilibus folns hxis culmum subaequirtibus, panicuhe subsemipedtlis
densiustul le line uis tadiis gcminis plunflons glumis (jnmoiibus) colontis supe-
rioriort l'o—2-polhcnr flosculo 5 hneili, sdis 6—8-pollicuibus erectis subcoloralis —
(*huctana pattern y* N ab Es — *Arnnda pallerts* vai c Tnn — Habitat in campi*
SICCIS pioy St Pauli

£ *palila* Tnn et Rprcht 1 c fl7 — Ut 8 , setl setae patentes 4- polhcares,
pinicuMc ladm infenores longiores patoli vel ascendeñics — *Chatlana pallens* p
N ab Fs - *Amhda pailens* var b Tnn — Rabrtat inter Monte Video ct hio grand*
Ao Suf

< ; *munna* Tnn et Rprcht I c — Culmo 5—10-pollican, vaginis ore pilots in-
timodia supeiantibiii>, folns brevibus ngidulis cimdiis plamuscnlis el compchatis,
pamculae bipollicans contrnctac (fensiflane rufiu. peminis snliianibve a basJ fe^c
flonfcus glumib coloiatis, j»up«noie 10—13 lineas longa, flosculo 6-hneali, stlis siib-
tnpollu inbus coloiniis coniractis vel paluli* — *Auslida munna* Cav — \m>tida cH'
m/a Pi isl — *Chaetann pallns* a \ <b I s — lml/da *pallens* vai a Tnn — ^a"
bit u specie^ nommata cum vncttUibus modo dislintiis in aronosis Peiuvne

25 A FLACCID* Tun et Rprcht I c 117 f - Pamculae feie pedalis basi vagin»ⁱⁿ@
inmulae iadiis geminis loi)gisj,imu> nudis, apice paunlloiiib, inferionbuj» ^ennpeda"^{bu}
simplicissimib flnccidis, supenonbus hievioiihu^, erocu> vel eiecto-patentibus &lumt
uncqualibu2», supenore ^ubquadhneali mfenoiem (mox caducam) Imea supe^{rmi}^
fle^rulo 5-lineali <>padiceo, vei!»us dpicem non toitum s<nbio, scm> eiectis, vuln^{na}
qualibus media quadnpollicoi i, hicalibu^ 3—4 - plo longioit — *A lava* Trio K^{non}
(a\an) — Habitat in moniibus Carassae prope Cipanema

2b * \ LONGIFOLIA Tnn — Knth 1 c 193 no 45 — Tnn a Rprclil 1 c 118 t "
Lhailaia dwaicalu N ab L — \nslula bionundts Sl/ni (IKC II I) Knth

17 A IUMROI DTIANA Tnn otnpifht I c 118 + — rnnnicuh^ , cilnli^ bn<i vrganitoe
flimulao rodus geminis iernis\o ultra medium flonferis infciioihus erects, snp<«^{ro}
bus p< ritibus vel dhnricotis glumis subnoqii >hu<<< 3 lincililnis piirpnnscrrfiliiis^{no}
culo glumns aequame vel parum excedente, pnllido mgti<:tis<limn , versus apicem 8C9

bnusculo *el* plunes lexiter torto, sens erecto - patentibus subaequalibus, media 6—7-lineali — *Anstida dwancata* B & B — *Chaetana dwancata* R S — Habitat in regione subfugida regni Mexican] all 5400—6600 pod

- 28 *A JACQUIMANA Tausch, Floia (B 7) 1836 p 508 — Trin et Rpricht 1 c 119 f — *Isidn dwancata* Jcq Eel I 7 t 6 — *Chaelunts dwancatus* DC — *Agrostis rfi-
dwancata* Hort — *Muhlenbergia dwancata* Hort

P *Dwandn* Gluma superior 4—5-lmealis, infenorem snbaequans et rndu densius flonfen — *Austa fallens* Durand

- ^ * SCHIEDEANA Trin et Rpricht 1 c 120 + — Paniculae V*—1-pcdalis depauperatae fxeitae radns soliiarns suberectis firmulis remotis subspcundi* i medio circiler flo-
ifens, glumis subaequflibus coloialis 4—5 linealibu^, flosculo (olorato (sub lonie) minuiisjine punctalo-exirepento, apice longe stipihto el torto, 6 7-lmedli, setis la-
lonlibus erectis minutis, media quinquelinali patente decies brevioribus — *Podolae-
num stipoides* Cham et Schlcbrd — Habitat in Mexico, prope Jalapam

- 30 'A LONGIRAMEA Prsl - Knth 1 c 190 no 19 - Tnn et Rpricht I c 121 f

- 31 A KARWITSKIANA Tun et Rpricht 1 c 121 + — Paniculae circitei pcdalis longe
px&ertae lucidao radns plunbus vel solitariis jam a basi divisus, patentibus, secundis,
4-pollicnibus, a basi vel paulo supra basin flonfens, glumi^ subaequalibus, bieviter
cuspuhtis, purpurascens, 3—3'A-linealibus flosculo glabro maculato, apice in stit-
pitpm longum subgeniculatum et torlum attenuato, subsexhneali, setis Interahbus ere-
ctis, modia 5—6-lineali plus duplo bievionibus — Habitat in Mexico

- J2 'A SPADICEA IJ li Knih — Knth 1 t 189 no 18 — Trio et Rpricht 1 c 122 f
— (*huelana ipadicea* R et Sell

- '83 'A TLRNIPES Cav — Knth 1 c 197 no. 73 — Tnn et Rpricht 1 c 12a f

- ^4 *A CHAPADI^SJS Tun - Tnn et Rpricht I c 123 f

- ^5 *A IMPLrXA Tnn - Tnn et Rpricht I c f

p. *aequa*: — *AUhiatherum Megapotanicum* IS ab L — *Anstida Megapolamica*
b|'' (ur post 31 (??) — *Chaetana Mtgapotamica* Schult

- 36 *A RIPARIA Tnn — Trm el Rpricht 1 c 125 f

- 37 A SUBSPICATA Tnn el Rpricht 1 c 125 f — Paniculae 4—5-pollicans exsertae
contract-ie Imeans thvisiloimis, basi interruptae, ngidiusculae radns plunbus vel soli-
tini4 brevibus, ad ba'sm usquo divisus el flonfens, glumis cuspirnto-sdigens subae-
qunlihus 4-lineffibus, nosiulo plabro apice enm arista obscure aiticulato, infra arti-
culum ler qnateire torto, tlineali, sitis patenti-divanratis, porurn'marqunlibus, media
s'ubs<mipo4hcnu — Hnbilot m in<ula Albemarlf Gallopagonum

- 38 'A SLTIFOLIA H B Knlh - Knlh 1 c 189 no 12 - Tnn et Rpricht 1 c 126 + -
fhactaua utlfoha R et Srb

P *aicnana* Gluma supenon 4-lmeali, infenorem Imea dimidia s intogia
superante, flimculo 4—5-lneali, sens divincalo-pateijUbus, media 6—8-lineah — *An-
do babulosa Knth I c 196 no 66 — *Chaetana setfdlia* var N ab E

Y *Mm media* Gluma supenoie 5-lineali, infenortm Imea superante, flostulo
v>x 4-lmeili, mfra aiiiculum seme! toito, sens divancatis vix stnclis, media subpolli-
t#lr, — *Chaelana selifolia* var W ab F

^ >linndifloia Glumi supenoie 7—8-lineili, infenorem linois duibus superante,
Nosculo b—7(—10-) linnh, setis dnnicato - pnientibus, media 12—1b-lmcali pamciila
Pnucmori - *Chaelana setifoUa* vor i\ ab E

- 39 A COGNATA Trm el Rprcht 1 c 127 f — Paniculac 5—6-pollicaiis longe exserti'c
 contiactiusculae lineans suhxccundae radus inrcuoribus subgeminis, stride patontibus,
 mox snpn basin florrffons, longionluis I¹—2-pollicaiibu«* glumis pallide stnmineis,
 parum iniequahbus icumimtissimij., fere 3-lmolibiis, (losculo apice sc-ibiusculo, nee
 articuhio neque torto tnlinoth, sens ciecto-pntentibui subnequalibus, imdia 4—6-h-
 neali — *Austida UUCensioms* Swartz — Habitat in insula Sti. Thomae Ind occ
- 40 *A REPO.S Tun - Knth 1 c 196 no 65 — Tnn et Rpicht 1 c 128 f
- 41 *A ELLIPTIC A Knth 1 c 193 no 44 —Tnn et Rpicht 1 c f — *Chaetana ellip-
 tica* N ab E.
- 4[^] A DISPERSA Tun el Rprcht 1 c 129 -f — Pamculae 1—6-pollicans magis minusve
 contractae plcrumqnc coloiatae radus solitarus vel verticillatis, a basi fere floufens,
 §lumis innrqualibus aculiusculis, suponore 3—4-lineaIi infenorem hnea dimidia*vel
 mtegia supeiante, flosculo glumam mox supenoicm, mox infenorem adaequante, nd
 diMsuram usque aequo, setis eiecto - patentibus, parum inaequahbus, media 6—7-
 lineali
- a *nana* Semipedahs et minoi pamculae oblongae 1—2 - pollicaris coloralac
 ladns subsolitanis adpiessis, flosculo glumam supenoicm aequante, folus plants s
 convolutis, supra pubescentibus culmo infeine lamoso pleiumque duplo brevioiibus
 — *Auslula fpluoides* Iloehst et Steud — *Chaetaua nana* N ab E
- j. *humilu* Tn — t>e\pollicaiis pamculae 2—3-pollicaus decolons radus >erli-
 cilhtis, flosculo glumam infenorem aequante, folus culmum simplicem subaequantibus
 — *Chaetana humilii* R ft S — *Aiutida hiunihs* H B Knth — Knlh 1 c 188 no 10 —
 Flabitat in exuslis andis Cumanae
- Y* *biomoides* Pedalis* paniculac 2—3-polhcariis radus aliemis, flosculo gluma
 supenore piium brevior, folus culmo ranioso mmonbus, interne pubescentibus —
Chaetana biomoides R fir S — *Arutida biomoides* H B Knth — Knlh. 1 c 189 no 13.
 — Habitat in inontdiis legni Quitensis juxta Tambo de Guamote et Llanos de Tiocaxas
 allitud 9600 ped
- 5 *com data* Bipedalis pamculae lamo^ie 5— b-polhcari* radus subverlicillaiis,
 flosculo gliimam supenorem et arises aequante, folus plains (siccitate convolute),
 supra scabns — *Chaetana coarctata* R 8c S — *Anstida lara* Willd — *Instida coarc-
 tata* H « Knlh — Knth I c 189 no 14 — Habitat in alta planitie Mexicana
- £ *Twjicsctns* Oculopollicaus — pedalis pamculae lucidulae 4—6- pollicaiis radii*
 J— 4ms erecto - palentibus vel ascendentibus, paulo supn basin florifpu§ glumis pal*
 1 dis patentibus, flosculo 4-hmali glumam supenoicm aequante, maturo colorato &
 supia dimidium scabernmo, folus con>oluto - setaceis culmum non ddaequantibu*, in*
 tus pubescentibus — *Aushda mqiiscens* Pisi — Knth 1 c 190 nd 25 — Habial^o
 Mexico
- i3 'A INTLRRIPTA Cav — Knlh. 1 c 193 no 43 — Trm fit Rpicht 1 c 130 + --
Chaetana inltuupta Palis

§. 3 Species orbis vetens et >Vovæ Hollandiae.

- 4‡ A \ULGARIfc Tim tt Rpicht I c 131 — Pamculae 2 - 6 - pollicau* s,subsecundⁿ
 ngidae \el apice nutintis, lmcaiis vd pjiamidatac, basi exsejtac el mleiduni »^{Her}
 xipiae radiib infi noubus gemmib aut contiaclis §i ecii:, i bnsi f<ie florifru* nu^t
 effus^sis nunniibus, altero paulo supia bnsim, alteio Mipeuhs dense flonfero, glum^{is}
 magis minusve inaequahbus, supenore 2¹/₂—4V₂- lineali, apice obtuso \el eroso •^t

intedium mucronulato, flosculo plus minus brevior, glumam inferiorem obtusam vel acutam linea $1A-1V_2$ superante, flosculo $3-6V_1$ -lineali glabro vel scabro, apice non lorto neque articulado, SPIIS primum iriaequalibus plecto-patenubus, media $4-12$ -lineali

a *Canaiensis* Willd — Tnn & Rprchl 1 c 132 — Culmo pedali et alio, lous vnescentibus, paniculae interdum coloratae radns mfenoribus nutantibus, gluma supenore $3-SV^1$ -lineali, infenoiem obtusam lmea $1-A$ superante, flosculo $3-4$ -lineali gl.thro seta media $4-7$ -lineah — *Austida yujantea* Linn fil — Knth 1 c 194 no 55 — *Chaetana gigantea* Pal D. — Habitat prope urbem Funchal in msula Madeira

P *MonghoUca* Tnn ft Rprcht 1 c 133 — Nina vix semipedalis, folns planis glaucescentibus, panicula contracta, lineans, snepecolornta, glnma supenoie $2y_2-3^1$,-lmeah, mferi6iem obtusam lmea dimidid vel Integra superante, flosculo $3/2$ -lineali glul.ro, seta medn $4-6$ -lmeali — Habitat in arenosis et planitiebus deserti tolius Mongholiae mediae

Y *pygmaea* Tim 8c Rpicht 1 c — Bipollicaris folus complicate, gluma superiore 3 -lmeali infenoiem lmea dimidia superante, caelerum a var *Monyholica* non divei^i ni&i glume obtusionbus emargmatis ut in *A stncliflaia*, cui fortasse afflmor — Habitat in Africa austiali

6 *depiessa* Tnn & Rprcht 1 c — (*Auslida depiesta* Relz — Kntli 1 c **J90** no 24) — Culmo spiihamao — pedali (— sesquipedah) ascendente vel procumbente, folns glaucescentibus, paniculae magis minusve coloratae et densae radns contractiusculis nutantiibus, gluma supenoio $3-3^1$ -lmeali, apice obtusa vel erosa et bieivissime mucronulaia, infenoiem obtusam \cl nculam lmea sesquialteia (rarius una) superante, flosculo $3/a-4$ -lmeali glabro, seta media $6-3$ -lmoqli — *Chaetana depressa* Pal B — *Ansitda sclacca* Tnn — Ihbilil in sicrjlionbus Mitlabanao, in montibus Neilghemes etc

t *curvata* Tnn & Rpiclit 1 c — Culmo pedali, folns virescentibus planis n-&dis curvatis, pomtula colorata contrartiuscula, gluma supcuore $3-37a$ -lmeali, apice lHlenticulata el mucioiata, flosculum nevo doisali i>cabrum adaequante, glumam infeciorem truncaia et mucionntam linea $1-A$ supeiante, seta media $5-6$ -lin6ali. ~- (*hactana curvata* N ab E — II ibitat in prov Uileuhage Prom bon sp

'E *Mnclifloia* Tnn & Rpicht I c 134 — Culmo $8-10$ -polhcan stnction, folns complicate minus cunitis, pamculfl contractissima angustiore lineari stnctissima, flosculo $3-4^1$,-lilenlj, versus apicem undique scabro, seta media $6-7$ -lmeali Reliqua ^{III} m v-ii *curvata* — *Chaetana cm vat a* (J minor N abE — Habitat in collibus ad Zon-^{II}agsnviei fluvium prov. Uitenhage alt $15-2000$ ped

IQ *confusa* Tnn 8c Rpicht 1 c — Culmo pedali, ad paniculam curvato, bast geniculato paniculae conliacmsculae radns mfenonbus nutantibus, gluma supenore ⁴-lmeali inferiorem lmea superante, flosculo demum $5-6$ -lmeali, versus apicem scabro, seta media $7-9$ -lineali — Reliqua ut in *A ttncifloia*.

^ *Abytsmita* Tnn tt Rprcht 1 c — Purpurascens gluma superlore $3-3V_2$ -lineali inferiorem acutam lmea $1/4-V_4$ superante, flosculo $3-4$ -lineali aspeio, seta media $6-9$. lmeali — Incolis „Eddim " — *Aristida curvata* N ab E in A Rich Tent ^{flor} Abyss II 382 * * — Habitat 10 siccis montium et valhum prope Adoam

³ *Aeihioptca* Tnn 8k Rpicht I c — Pallida glaucescens gluma supenoie $3-37a$ -lmeali infenoiem acutam lmea supeiante, flosculo $4/4$ -lmeali aspero, seta ^{meUa} sub- 8 -lmeah — Habitat in Sennaar

* *Senegalensis* Tnn 8r Rprcht 1 c 135 — Gluma supenore $3V_2-4$ -lineali, •nieriore lmea superante, flosculo 5 -lineali scabio, seta media sub- 9 -lmeali — ^{Ar**i} *festuoides* Poir (?) — Habitat ad Senegal

X. *Arabic a* Tun fi. Rprcht 1 c — Lt var *coeiulescens*, at gluma superior (antum $i^1A-3\frac{1}{2}_a$ -lineali« infenorem linea integra superans, flosculus intordum 3-lmealis aspeius et paniculae radii contracti erectiusculi, a basi feie floiifcn, folia glauia — *Ansl nutans* Hcmpr 8c Chinbig * — Habitat in Aiobiae monie Sinai

fx. *tunultscens* Tun & Rprck I c f- Culmo 1—2-pedaIi (sec Cavan 4-ped), fuliis vindibus, paniculae densious (inteidum pedalis sec fnv) radus eiekti vcl imtanLibus, glumis p irum inaeijudilibus bupenoit $3^3\ll-4^1_a$ -lineali, eiosa vtlbideudala, ilobculo paium bitvioio, nK I loiein icummattm line i dimidn nntum supcianle, lloisculo 4—5-lineah, undiqut seulim aculealo aobio, veisus basin glabio, stta media 7—S-lineali — *Anstida COUVIISIM*, Dsf — Kntli 1 c li)0 no 2b — *Anstida dalioi* Lavan — *thatluna tlaliui a Ch tmruLscens* Pal B — *Anstida setacea* Hoppe 1 *Adiccnstonis* tavi — Habitat m *lidihaua* in aivia pi ope Ktiwnn, in Sjnd

v *pwnda* Tnn et Rprcht 1 c 13b f — Qindnpollicaub et minor, coloiata loins ghucescentibus pomcula satis densa subcontract I, gluma supnoic 4-lineali infenorem oblusiusculam linea 1 — V/\pm superante flosculo $5\frac{1}{2}-6\frac{1}{2}$ -lineali (cextepto nervo doisali) glnbro, seta medn 7—8-lineali — *nsliida punula* Dene Ann sc nat (2 Su) V 85 — Habitat inter Kahirani et Suez

J *Lhtenbeigu* fun el Rprcht I c + — Pedalis et paulo altior, circa nodos coloiiali folns viridescenubus pamcula lucida subcliusa glumia IOSCIS, supeuore 3— $3\frac{1}{2}$ -lineali, infenorem obtusiusculam linet $1/*-\backslash$ supeiante, (losculo 5-lineali, demum piofunde purpuiascncle sobonimo seta media 9—11-lineali — Habitat in Arabn

o *spiyua* fun et Rprchl I t f - Ut var *Lhtuibern*, scd paniculae fere spicatae inleiuapte pallidae ladu 1—2 adpiessi subuniflon, llosculi glabii et seta media 5—G-lincalis — Habitat in monte Sinai

45 A GUINLEINSib fnn et Rpicbt 1 c 137 f — Paniculae 8-polhcins angUblae subsecundac apicc nutanus densiuscuhe coloratao, bnsi longe exseitac radus teuuisi'' mis, jiliuibus vcl solitnius \approx l basin usque inuiufdis eiecto - piieniibus, longionbus sesquipoUituiibus pnulo supia basin dense flonfins, infcnoibus quandoque nutanH/us glumis paulo inacqinlibus acuminatis, aiipcuoie $2\frac{1}{2}$. - lmeali, in/ci IOI ein linea dunidia supeianti, flosculo $1Y\gg-2\frac{1}{2}_a$ (iaio 3) liricali, canna dorsali tl neivo laterali vtisus apicem scabro, cnelerum glabro et (inatuio) maculato, apicc non toilo nequ? artiLulato, sttis paium inaequalibub patumbus, media 5—7-lineali — Habitat in Guinea

46 A THONVNGH Tun et Rprcht I t f- Paniculae 7—9-pollicaiib pjramidatae sub' secundae, apicc nulantis fabtculiHorac, pallidae, bisi exsertae ladiis tenuis^ioi''⁹ plunbus paitnlibus, longionbus fere bipollicanbus, paulo supia basin densissim⁶ Uoufcus inftnoribus nonnullis nulanlibu>>, glumis inaequalibus aculis, superiors 3—3% - lineali, infenorem linea integia superante, flosculo inatuio 4-lineali₁ cartf* dorsah et neivo laterali apicem versus scabro, caeterum glabro maculato, apice noD toito neque articulalo, setis pirum inaequalibus paleniibus, media 6—7-lineali *'' Habitat in Guinea

47 *A AS^E^SIONJS Linn — Knlh 1 c 190 no 22 — Tnn et Rpicht 1 c 138 t'' *Chattana* \scem>wnis Palis

48 A RACEMOSA Spi — Knth 1 c 197 no 76 — Tun et Rprcht I c — *Chaetob** *lactmosa* Palis

49 *A MAURITIAINA Knlh 1 c 188 no 8 - Tun el Rprcht 1 c — *Uiaelana Mout** *tiana* a N ab E

50 A PUSILLA Tnn et Rprcht 1 c 140 t — Paniculae y>—1-pollicans simplicissim⁹ racemosae lmeans, basi vaginatae radus brevissimis uniflons, solitarus binisve, ^{ad}

pressis; glumis obtusis inaequalibus, superiore bilineali inferiorem linea dimidia superante; flosculo 2y»—3-lineali glabro, apice non torto oeqe articulado setis subaequalibus erecto-patenlibus trilinealibus. — *Chaelaria Mauriiiana* (J. nana Drege. — Habitat inter Kussie et Zilverfomein in collibus saxosis altit. 1900—2000 ped. Prom. bon. a p.

- 51- A. CUMINGFANA Trin. et Rprcht. I. c. 141. f—Quadri—6-pollicarjs; paniculae oblongae lucidne capillaceae radiis tenuisirsais erectjs sparsifloris: glumis patentibus inaequalibus, superiore fere 1 $\frac{1}{2}$ -lineali, inferiorem distincte superante; flosculo 7 $\frac{1}{2}$ -lineali, glumam inferiorem aequante vel paulo excedente, apice scaberrimo, non torto, directe setis flexuosis eraiitente, laterales subrecias 1—17%-lineales, intermediam divaricatam incurvam duplo longiorem. — *Aristida capillacea* Cav. — Habitat in insulis Philippinis.
- W. 'A. RIGIDA Cav. - Knth. I. c. 192. no. 35. — Trin. et Rprcht. I. c. 141. f
53. 'A. SORZOGONENSIS Prsl. — Knth. I. c. 192. no. 37. - Trin. et Rprcht. I. c. 142. f
- 5*. 'A. MIJZONIENSIS Cav. - Knth. I. c. 192. no. 38. - Trin. et Rprcht. I. c. f
- *&. 'A. LAXA Cav. - Knth. I. c. 192. no. 36. — Trin. et Rprcht. I. c. 143. f
56. A. JUNCIFORMIS Trin. et Rprcht. I. c. 143. f — Paniculae 5-pollicaris lucidulae subeffushe pyramidatae, basi demum exsertae radiis pluribus superne floriferis, inferiorum longioribus 1—2-pollicaribus, patentibus vel erectis; glumis inaequalibus scabris pallidis, superiore 3 $\frac{1}{2}$ -lineali acuminatissima, inferiorem longe cuspidatam linea superante; flosculo bilineali, minutissime scabro, opice non tondo neque articulado; selis parum inaequalibus, patentibus, media 8-linenli. — Habitat in Africa australi.
57. 'A. BIPARTITA N. ab E. Gram. Afric. austr. 187. (sub *Chaetaria*) — Trin. et Rprcht. I. c. 144. f
58. 'A. VAGANS Cav. — Knth. I. c. 192. no. 39. — Trin. et Rprcht. I. c. 145. f
59. 'A. RAMOSA R.Br. — Knth. I. c. 192. no. 40. — Trin. et Rprcht. I. c. f — *Chaelaria ramosa* Palis.
60. 'A. PILOSA Labill. — Knth. I. c. 193. no. 42. — Trin. et Rprcht. I. c. 146. f
61. 'A. CALYCINA R.Br. — Knth. I. c. 193. no. 41. — Trin. et Rprchl. I. c. - *Chaetaria calydn* Palis.
- 6* W. HYSTRIX L. — Knth. I. c. 191. no. w. — Trin. et Rprcht. I. c. MT. - Gromen ^oderaspotonttm Plucken. - *Chaelaria Hystrix* Palis. — *Aristida iripilis* Thnbg.
- ** 'A. RIGESCENS R. et Schult. — Knth. I. c. 197. no. 78. — Trin. et Rprcht. I. o. 198. t — *Aristida rigida* Heyne et Rth. — *Arthratherutn rigidum* Schult.
- 6^{dt} #A. SETACEA Retz. — Knth. I. c. 191. no. 31. — Trin. et Rprcht. I. c. 149. f
- 6^{dt} A. MUTABILIS Trin. et Rprcht. I. c. 150. | — Paniculae 3—6-pollicaris fasciculiflorae, basi demum exsertae radiis solinriis, primum erectis, subsecundis, dein divaricatis Pollicaribus, a basi ultra medium nudis, apice dense floriferis; gluma superiore trinerviuli glabra, apice bidentata et breviter cuspidate, inferiorem scabra, acuminato-cuspidata; flosculo 3 $\frac{1}{2}$ —4V»-lineali, superne scabro, apice attenuato, laxo torto et cum basi articulado (vix sua sponte) solubilis articulado; selis subaequalibus, erectis vel erecto-patentibus, 1A-1-pollicaribus.
- tt>ae <P*Uonqa: glumis aequalibus; flosculo 3V»-lineali; selis 6—7-unealibus. — Habitat in Cordofan.
- P* Dongoiana: eadem ac tt sed gluma inferior linea dimidia brevior; panicula 3-pollicaris; culmus semipedalis. — Habitat in Dongoia.
- III. Y* longiflora: gluma superiore inferiorem linea 3/4 excedente; flosculo 4V $\frac{1}{2}$ -lineali,

g'etis pollicibus, folus plus cidnu minus inmoso — Habitat ad pagum (oidofanum Alm-Geiadin solo arenoso SICCO

5 *SeneQalewHS* ul *Y*» sed nmlto lenuioi, lolia longioia, semipedalia el culm us simplex — Habitat ad (lumen Senegal

- 66 A KUNTHIANA Tun el Rpichi I c 151 f — Paniculdo i— 3-pollicaiis fascnuli-florac, basi demum exsertae radns solitams, paiulis sesquipollicanl>u<», basi nuilia, a medio vel infra medium dense fionfens, glumis neqmlibus, (2—)3-linealibus, apice bidentatis, snpenore glabra, npice breviler mucionnti mfenoiie (snbulo itpicnli non compuldto) bievioie, longiu* euspidalo scabro, llosculo \wedge 1/2 - lino-ili, glumis brevioro, angustissime cylmdraceo, minuiis-ime scabro, apice non lorio, sed cum basi aristae facile solubilis aiticuldtim conjuncto, setis subaequnlihus eiecto palPiilibus, 5—6-lineilibus — Habitat ad HuMim Senegal pi ope Richaid-Toll
- 67 A MECCAINA Hoclisl mss *ex Tnn* et Rprclit 1 c 158 t — Paniculae 2—3-pollicaiis continclie, lineans vel oblongae, flexuosae, basi demum exsertae radii* intcio-nltus solinms, eiccus vel ndprossis y₄-pollicaribus, fcie a basi *dense* flonfeus, glumis glalms innoqualibut, siipeuore foie tulmenli, apue bidenticulata ei brevissime miifionala, infenoiem neulim iluplo excedente, flo[^]culo inlmcnli, glabro, npico laxo vel d(Misiusuile loito el cum lni>i iistae (MX sua sponlc) solubilis distincte aiuculafo, sens sublpqihilibiis pilcniihus \ol dmncatis, 7—9-linealibus — Habitat in \ille Falme propc Meccnm
- b8 A IUHBirOI LIS Tun ot Rprebt I c f — Pamculae 3—4-pollicans effu[^]ae subsecundie lasciculifloine ovolo-p\rami Idtae, apice rmtciniis, basi demum exsertar ladiis solildiits geminisve, CIVOI icnlis> vol patulis, 1-2-|ollic(\nbns, mfeine nudis, [^]uperne dense floiifoi[^], glumis glalms inaequalibu*, breviter cuspidalis, supenore 3%-lineali apice bidontita, mfcuoicm Imca 1—1/a supeianie, flosculo Inlineali, superne scabro, tpice (\nnescenie tei quilei\c dm>G toilo et emn bisi anslnc nou deciduae distincte nrticuhlo, sen-, mjbacqunlihus stnctis patenti-divnucalis, 7—9-lmcalilms (\ngims Oie longe ci ntu-baibaiis) — (*hattaint loiskalu* N db E — Jldbilal in moitams apricis ad Lnon aim 1500—2000 pod
- 69 'A CONGLSTA R et Sell - Knlh 1 c 195 no 63 — Tun el Rprcht I c 153 t — *Aiislula coaulald* Lclitn[^]ln (net II 0 Kuth) *ChueUma conyesta* N ab C
- 70 'A HORDEACEA Knlh I c 196 no 64 — Tun ct Rpuht I c 154 f
- 71 A STRIDEUANA Tun el Kpulu I c. 155 f — Paniculae 2—3-polhcaiis conliacioe densillorae llmptifoimij oblongae, basi exseilae radns plunhiis, semipollicanbus ses^y silibus, jam a IMM dense floiifcrib, glumis setosis (seta 1—1%-lmeali computata) subnequilibus, 4-IIIKalibus puboiulis, supenore .ipice piofunde bidentltn, llo[^]tulo 2—2^{1/2}»'' lineali, dorso undique scabro, apice obsolete aiticulato, non torto, setis subaequdhl>^{us} stnctis eiecio-pdteniibus, sub-10-linolibus — Habitat ad pagum Corelofanum Ab^u Gerad locis demissis grammosis.

Seel II. *Atthrathetum* Mis. — Tun 1. c 155

Anslae caducae, setis* uudis — Species Afucanae, Asiaticae et Novae Hollanaiae.

72. A AMPLISSIMA Tnn tl Rpicbt 1 c 155 f - Paniculae (adultae) puinlis *effuand* omplissimae lucidi[^]simae spaisifloiae ngldde, basi exsoilae iadii[^] pseudogemmis (i e solitnrns a basi jam divis) vel lanus terms, 5-pollicanbus, stnete patentibus, *lemote* dichoiomo-ramOMs radiolis ullimis 'A—1-pollicanbus nniflons, glum s \alde *innequa-* libus, supenore 5' — 6-linenli, lmean-lanceolata, apice liuncala vel erosa, *inferiore* ovato-oblonga apice bidenticulata et bieivissime mucronaia lifplo longiore; fl^oculo

<hadi jJineoh glabio mirulato, apice non toilo, sed cum supite aristae deciduae 7—9—12-Jinealis contortae articulata conjuncto, seta media patente 1¹/₂—2-pollican, laterallims erociis lineis 1—3—b longiore — *Artstida stipiformis* Lmarck — Knth I c 194 no 51) — *Cbartaiiu Lamarckii* R et Schult — *Aitstida Lamarckii* Sleud — *Aithra-Itheium comosum* Gaj — *HibiMt* in nienosis Senegambiae, in Nubia ad monlem Cordo-Hnum Aiasch Cool

3 * VhSTITA ThHlug T\ (op 19 - Knth 1 c 197 no 74 — Tnn et Rpicbt J c 157 +

a *diUusa* l'amuilne 6—9-pollicans eJTosac amplae lucidar sparsiflorae radus J-pollitaribiis, paeniibu* vel divancmis, basi nudis, gluma supenore 6¹/₂—7-lineali, onleiiorem duplo supeiano, flosculo 5—5'A-lincalj, slipite ausiae 3-linenII contorto, S^t i nicdia f)aienii-dj\nrjcala subsesquipollirni^, Inleralihus erecto-patenlibus lineis 2—5 longioie, vaginis glnbns — *Anshda diffusa* Tnn — Knth J c 193 no 47

β *densa* Ut a, sed pamcula ilcnsius flonfeia, gluma superior 5—6 - linealis, nosculuo 4¹/₂—5-Jmcalis, soiae laxae divancatae

γ *Ccklomana* Ut (3, sed pamcula angustior magis conlrocta, tantum 4—5-pollicaris v radii ererti, gluma superior 6-linealis, flosculus 4-linealm, setae minus hxnt — *iithratherum Hystrw* N. ab C — Habitat ad latus septentnonale Montis iibulons

δ. *Schiadeiana* Ut y» «od gluma supeuoi 7-linealjs, inferior 4-lin , flosculus semipollicaris, vnginae infenores lanatae et folia pamculam aequantia

ε. *parvifloia* Ui a, sed panrcula parviflora angustior (imprimis juvenlis), gluma supenor 4—4'A-lincali* siipes aristae bilineali* setae r^ctiusculae patemes, media 9— I ^ndalis

ζ. *breiistipilala* Ut §, sed pamcula tanium 4-pollicans, stipes aristae 1—1¹/₂-lincalis, seldo pucnlts lectiusculae, vaginae inltnores exlus lanatae

f] *Psiudo-Ily^litc* Pamculae bipollicaiis contraclac depauperatae, basi longissime exsenae tadns a bnsi morflonferis mulurmliolosis adpiessis, gluma sujicnorc JV -lincali, infenoicrn tnplo superante, nosculo 4-lincali, apice cum «tipite aristae "OH torio '4-linOili dHdnUiui aitulnto, sells pjicnubus pollicanbus, culmo sim-I fco fero peJali, Ua^ gnciicilato , folns bipollicanbus cui vulis, vaginis radicalibus Junioribus lanatis ^- Habitat in graminosis, desertis, locis saiosis impnmis calca- tets, ntc non in s\his pnmaovis a planiue usque ad alut 5000 ped lotius Afnceae australis

a A FUMPULATA Tnn et Rprcht I o 159 f — Pamculne 3—4-pollicans depauperatae conliaciae linoans rnnnorao basi paulo exsertac radii subgeminis, alttro sub-^Sassili umfloio, alter o biCMter pedunculo crocto 1—2-floro, glum is parum inaequa-^{III}us, longe acuminato-cuspidatis, mflLiore longioie sub-10-lineali, 6uperiorem lineis ¹/_S su[>cranie, flosculo ^¹/₂—3-luicali macuhto, apice aspemlo, non toito, sed cum ^MI¹le ariotae dctidude 17—21-lineali contoio articulation conjuncto, sens subaequah-¹us paientibus, 2—2¹/₂-pollicaulius — *Anshda fumculmxf* Steudel — *Ansttda (Arthia-* "feMim) *Kotschy* Hoelist — *Austria Uipana* Chrlüg et Hempuch — Habitat in Sene-^t »nbia Nubia et Arabia

10 A ROYLEANA Tun et Rprcht 1 c 160 f — Pamculae 3-pollicans coniractae lineae-¹is confertifloiae, basi longissime exserhie radus subgeminis, altero bievjore subses-^Mili, P¹ncioo, altero pollicaii, patulo vel crecto, paulo supra basin multifloro, glumis ^Mab¹u¹ibus, (infenore paum birviore fel longiore), acuminato subulatis, semi-¹licaribus, noj>culo 2-3-JineaJi imiculato, apice asperulo, no/i lorlo , sed cum ¹J¹ic tuisiae deciduae 6—12-J/neali contorlo articulntim conjuncto, stli^ .icquulibus p¹ientibus, 1—IV^pollicaiibus — *Lhaelaitumwma* N ab E — Habitat in Imlid onentali ¹Periore

76 'A SIEDERIANA Tnn — Rmh 1. c. 191. no 28 — Tnn el Rprchi) c 160 f — *Chaetana Siebertana* Scult

p. *Nubica* et Rprcht I r. — Pallida radus pamculae longioribus, rnfenonibus geminis, supenonibus solitams, basi nudis, gluma superiore 9-lineali, stipite austae polliciflii, laussime vel non torio, sens 3—37_a-pollicaribu³ — Habitat ad pagum Cordofanum Abu-Gerad in sabulosia elationibus

77 A LEOCALYCINA Trin el Rprcht I c 161 f — Pamculae 5-pollicaus^x pallidae flaccidae conliaciae sublineans pauci- et confetitflorae, basi exsertae radus inferioribus solitani*, a medio vel infra medium lloilfens patenubus, supenonibus a basi inox divisis el flonlens, erectis vel adpressis, glumi* inaequalibusglabn[^], supenor^c 10—11-lineali ex vel sub apice bidentato longe setosa, inliore 6—7-lineali apice subulata, flosculo 5-lmcali, npice scabnuscuro, non torto, sed cum stipite aristae (demum) deciduae, solubili, 7—8-lineali, laxe contorto articulatum conjuncto, sens paientibus aequalibus bipollicanibus — A *Siebertanam* Au&icaro quoad babilum exacte lefeit — Habitat in Guinea

78 'A STIPOIDCS R Br — Knth I c 194 no 52 - Tnn et Rprcht ' c f—*Arthra-theium stipotdes* Palis

79 'A HYGROMLTRIGA R Br — Knth I c 194. no 54 — -Tnn et Rpicht I c 162 f — *AUhiatkeium hygromelncum* Palis

80 'A ARENARIA Gaudich — Knth I c 194 no 53 — Tun et Rpicht I c 163 t

Sect. III *Stypagostys* X db E — Trin. & Rprcht. 1 c 163

Aristae caducae, setis pennatis. — Species Africanae et Asiae occidentalis

§. 1 *Setae laterales nudaes.*

81 *A CILIATA Desf — Knth I c 195 no 59 — Tnn et Rpicht 1 t 163 + — *An*Uda lanata* Palis

a *genutna* Panicula saepe veginaria, gluma supenoie 5^{1/}—6-lin, flosculo for* 3-lineali, stipite aristae 3'A-lin, mucronulo apica i nudo — A *plumosa* (non L) !... inarek — Habitat in desertis Africae meridionalis

p *Sthimpert* Hochsl et Sleud mss ex Trin et Rpicht I c 164 — Panicul* demum exstrta, gluma supenore 4*A-lineali, flosculo 2Va-lineali, stipite austae 2'A> lin, mucronulo apica Ji nudo — Habitat in Aegypto et in iipibus montis Sinai

Y *Capensis* Ut P, sed mucio setae mediae apicalis pennatus Vanat caetero-
qum glumis omnino pallidis vel basi tan turn coloratis, am e nigucanie sanguineo-sira'
mineo et flavo vanegatis, seta media inferne nuda vel a basi jam ciliato - pilosa, §⁰,
mis 4'A—5-linealibus — *Atthiatherum cihalum* N ab E — *Arthiatherum Schumper*
N ab E — Habitat ad casellum Beaufoii, in collibus siccls ad Ans prope ostia Ga-
nep fluminib alut vix 200 ped

82 'A PLUMOSA Linn - Kmh 1 c 195 no 60 - Tun et Rpicht I c 165 f

a *Szontziana* Glauescens vaginis (imprimis inferioribus) lanaiis, ligulis longe uliaiiis, pamculn lincjn-oblongn, demum paulo exseru, gluma supenoie 8—9-lineali, flosculo 3-lm, stipue aristae 4—5-lm, sens lateralibus 8—12-lm, media bipollican, niftine u ba>i ftri pennalu — *Gtamcn* <n tent alt tomentubum bjitcatum etc Touin et. — Habital in Arm<ni i

P *Eichwaldiana* Flavescens tulmo superne gemculato et ramoso, vagi¹¹g¹¹ m¹¹ fenonibus laiidlis, pamculis vaginatis fasciculatis, ligulis bievisime ciliatis, §¹¹ ^

supenore 7-lmeali, flosculo 2%-lm, stipite aristae 3-3V,-lin , aetis laterallbua ioae-qwalibus, longiore 7-9-lineali, media 1Y.-2-poIlican, mfeme ad »/, nuda — Habitat >n msula andissima TcbelekAn

Y *biachypoda* — *Atistida biachypoda* Tsch Flora (B Z) 1836 p 506 — Flavescens vagmis glabns, ligulis breviter cilialis, panicula pyramulata vagmata, gluma snpenore 6-lmeali, flosculo 2¹/_a-lineali, siipue aristae Imeah, sens laieralibus 4—5-lm , media 12—16-lm , mfeme ad */ nuda — Habitat in Aegypto ad pyramides

O'lanata — *Austida lanata* Forsk — Ut y. sed culmus magis ramosus, sti-P'» aristae 1—2-line.ilis, setae laterales 8—12-lineales erecto-pennatae, media jam Paulo supra basin pennata — *Anstida rorskahlu* Tausch. — *Amtida Capensis* Savi "Uabitat in desems prope Rosette

m . e *semmuda* Ut y, led vaginae mflmne lanaiae, stipes aristae bilmealis, seta ma mferne ad dimidium longitudims usque nuda - Habitat in Aegypto inferore

brir, ^{Alev} *ondttna* Uty. sed culmus minus lomentosus, potius supeme dense et evissime pubescens, flosculus Mm , stipes anstae 4-l.nealis, setae laterales 6-7-lin, ^{af!} ^{di} ^{ultra} sosquipollicaris, inferne ad dimidium longiitudinis nuda - *Amtida Raddiana* Savi - Habitat prope Alezandnam

η* *Berberica* Ut γ, sed vaginae ^{1Dflmae} ^{l*TM**}, l'gulae longe ciliatae, st.pes aristae bilmealis, setae laterales 6—7-lj **Hammed prov Berber**

Ⓢ *Aethtopica* Uty. sed gluma enema adpessu pilosa, flosculus iy_a-2»A-lin ^{stipos} aristae bilineahs, seta media abas, ad d.m.dium long.tud.m. usque nuda mucro apitahs lineam longus - 'Hab tat in Aethiopia

« A ACUTIFLORA Tnn et Rprcht 1 c 167 f -tiulmo mfa nodos «auceo, vag,n,s et nodis glabns, ligulis breviss.me ciliatis, pamculae sesquipedalis puamidntae luciaulae, demum paulo exscrlae radus gemims poientibus, a basi vefpaulo supenus Donfcns, longioie 7-lloro, glumis subaequalibus glabns, supenoieSVa-^lmeali, apite jreve bidenticulata et cuspidaiia, inferorem atutatam >el mucronatam vix aut Imea "midia supeiante, ilosculo bihneali, siipite aristae deciduae mimmo vel semilineali, ^{gongtorro}, gl.U.io, setis Intialibus dmincatis, nudis, sub-4-hnealibus, media patente ^{Dongo.a} IDferne ad /J nuda, mutronulo apic<ll nudo semilineali - Hdbitat in

Ⓢ ^{*A} ^{Knlh} ^I ^A ^t ^r ^{ratherum obtusum} N ab E — ^{*A} ^{OBTUSA} Delile - li n el Rpichl 1 c 167 f • *Shpagiostis obtum* N ab h - ^I c 198 no 2 - *Aiistida pthgera* Burch • *Sttpagrostis Capensis* N ab E —

Ⓢ ^{*A} ^D ^{AGEANA} Tnn el Rprcht 1 c 169 f — *blipyi osti** *Diegeana* N ab L Gramill Afric austr p 172

Ⓢ ^{*A} ^{GEMINIFOLIA} Tnn et Rprcht 1 c f - *Stipayioslis geminjoha* N. ab E 1 t

* ^{BREVIPOIIA} ^{nts} ^{que} ^{pani} ^{culae} ^{ab} ^{essihbus} ¹ ⁻³ ^{nors} ^{glumis} ^{paulo} ^{inaequalibus} ^{glabns}, ^{apice} ^{attenujiis} ^{acutatis}, ^{lftte} ^{elore} ⁵ ⁻⁶ ^{lnifali}, ^{inferiorem} ^{Jineo} ^{1—1} [%] ^{siiptrante}, ^{flosculo} ²/₇ ^{-linLoli}, ^{apite} ^o ^{ei} ^{biauuculaio}, ^{siipite} ^{ansiae} ^{deciduae} (2 —)3-Jmenl/, a^{perulo}, ^{semel} ^{ferne} ⁽¹⁾/₁₀ ^{se} ^{is} ^{le} ^{ibus} ^{nud} ^J ⁴ ⁵ ^{medibus}, ^{medin} ^{paknle} ^{poUicnn}, ^m ^N ^{ab} ^l/₁₀ ^{Uda}, ^{Sll} ^{erne} ^{cum} ^m ^{cronulo} ^{apicali} ^{pennata} — *At thralhei urn brevilohum* c 183 — Habitat in leira Bushmanuum

88 A SUBAF AULIS Sieudel n^{ss} PX Tnn et Rprcht 1 c 171 f — Culmo pygmaeo pubescente luogono, vugns scabruisculis obtocio, panícula simplicissima, 3—6-flora semipolliran, basi vaginata, glumis pnrum inaequalibus gbris acuminatis, suppuoro 4—5.]meill, infenonm linea $\frac{1}{2}$ — 1 suporante, flosculo $1\frac{1}{2}$ - lineali, ipice truncalulo, siiprte irisnp decidme lineali, semel la\p torlo, ad divisuiam pilosulo sell* refiocto-divmncnti> lilenlibus nudis 5-linenlibus, media pollican, inferne ad dimidium longitudims nudi, superne cum mucronulo apirali pennnta — *Aithiatheium subacaule* N alt L I c 180 — Habitat m editiotibus cnca Ganep fluvium solo ntcnoso-ai-gillaceo

89 A MIRIIGLUMA Sieudel m^{ss} ex Tim et Rprcht 1 c 171 f — Culmo fertili cum nodis et vigmis glabio, ligulis dense ciliatis, pamcuhe lineans contiaetae, $2\frac{1}{2}$ — 5-pollicuis b-m exaertae radus subqmnis (vel paucionbus ad basin usque partilis) sessilibus, i— 3-floris, glumis pnulo inaequalibus pubes[^]pnlibus, apice obiuo cm irginatis vel bideniatis, supenore 4—4 $\frac{1}{2}$ -l<noah, infernoem Imea dimidia supeiaute flosculo $1\frac{1}{2}$ —1 $\frac{3}{4}$ -lineali, apice scabro, stipile anstae deciduae 4—7-Imeali, toito, glabio vel Mipeme piloso, sens laterahbus oreiis, 3— 5-linealibus, nudi* media fero bipollicau, pnrum geniculata, inferne ad $\frac{1}{2}$ — $\frac{1}{4}$ partim nuda superne pcnmia, mucronulo apical] nudo, bilimali — Variat

GC stipite instne gbro

P >ti>ile instae supernr piloso — *Atthiathoum alialum* ^ nb h — Habitat in i upuluis , Wadi Hcbran" Aiabiae petraeae et in Abyssinn

*K) 'A UNIPLUMIS Lcbtstn — Knth I c 195 no 62 — Tnn & Rprchl 1 c 172 -f

P *JScpsn* Panicuhe contiaetae radus fnsiculntis, glumis subacqualibus 5 $\frac{1}{2}$ -lm , llosculo bilineili, sliipie auslip 3-lm, sens latenlibus 5-lm , media 9—10-lin feie a basi albo - plumo*ⁱ tpicc nudn — *i tin aiherum umpiumr* N ab R I c 81 (txtl syn)

^1. A PAPI'OSV Inn 8: Rprchl I. c 173 — (nlmo, nodis va&imsque supeuoubus glabiiis, ligulis longe ciliatis, pnmculnp oblongo - lineans contrartne 4—5- pollicnns, basi exsertae radns subfascicularis ertcio - adpiessis, paulo supra basin flonfens, glumis parum mncqualibus, glabris, ftp ire attenuate acutatis, supenoie 4-Imeali infenoem linca dimidia supeiante, flosculo (sub anlbesi) Imeam longo, npice tnintaio <l emargmato pio sliipie anstae deciduae bilmeali, laxe tono supemc ad divisuram bmbato-piloso sptis hteralibus patulis, 4—5- Imeahbus nudis, medii 13—15-lineali, paium genicul.il i ba*j ad 2—3 Jjnpas nuda, mucronulo apicali nudo, $\frac{1}{2}$ — $\frac{1}{4}$ -l^{meali}

OL ?*iluica* Virescens culmi debiliores simpliciusculi, duplo tenuioies ac *A. uw plumis* fuliii convululo - setacea jlabia supfnon ciroier bipollicann — Habitat in gi iininosis <K litus Nili

^ *Sineyalensis* Flavsrpns tulmi riino>>i ngidi — Habitat in Senegambia

§. 2 Stilai lateiale^ pcnnatae

*2 'A LUTESCENS N nb E Gramin Alric austi 179 (sub *Aitlualheto*) — run * Rprcht I c 173 f

*3 *A ^AMAQUENSIS Tnn a Rpicbt I c 174 f — *Arthi alhenim Aamaquenbi* § ^{al*} E I cit 185 — ^ *vagans* N nb E I i

*4 A VUINERANS Tnn a Rprcht 1 t 185 f— Culmo, nodis vagini*qu< glabris, **ligu*** lis brevissimn ciliatis, panicuhe ovnio -oblongie stnclae dtnsiuscubi< **sempedalito**, bnsi demum exseriao radus solitanis ngide pntentibus, **ba&i lam** (IVI>I> et Mi)>>>riie lamulosis ramiOcalionibus intia axillas callosis et pilosis glumis subaequalibusgla^{^1,1111}

lanceolatis 4',—5 - lineahbus, flosculo bilmeali, a pice truncato, siipite aristae deciduae viv semilineali non torto, rylindnco, intus cavo, exclus glabro, sell arcuaio-patentibus, omnibus necjualitei a basi pennant ipice subnuriis, semipollicanbus — *Aristolulu pungens* Siebei — In Argyplo

95 'A PUNGENS Dsf — Knlli I c 194 no 57 - Trin a Rprcht 1 c. 17b f — **Arthra-**
ihcium pungens Pahs

% A SCOPARIA Tnn ft Rprcht I c 176 f — Culmo, nodis voginisque glabtis, ligulis bicvissimo cilntis, pamculae oblongac stnclnioculae, apice suhcoinuae, lucidne lari-florie semipedalis basi exserlae tadiis soliliuis ereclo - patentibus, a basi jam divisis ei superne ramosulis, ramificationibiis intia axillas callosis et glabns, glumis inaequa-hbus glabrn lanceolatis, npice auemiatis el acuuuis, supeuoic 7—9-ineali, mfenorem linea 1—1% excedente, flosculo 3 - hneali, apice ariiculato, stipite aristae deciduae vix semilinenli non toito, cylindnco intus cavo, extus glabro sens arcuato - divan-catis, omnibus tequalitei a husi usque ad apicem pennalis 4—fi-linealibus — Habi-tat in deserto Aegypti ad pyramides .

47 A PrNNATA Trin — Knlh I c 194 no 58 — Trin ft Rprcht 1 c 177 f

P *Kaithni* Panicuto ultrapedali, gluma supenore 7—8-lineali infenorem linea dimidia s mtegrn excedente, sens 8— 9- linoalibus apice nudis — In Turcomanma

W 'A CAPLNSIS Thnbg ~ Knlh 1 c 195 no 61 — Tnn ft Rprcht 1 c 178 f —
Chaetana Capemis Palis — *AUhralherum Capense* N ab E

a *canescens* Pamcula obtonga 6—8-pollican lucidula, glumis subaequaibus 7—7¹/₂ - lineahbus, (flosculo 3¹/₂-lin f stipite aristue 5-lin piloso, seta media pollican, mucionulo apuali nudo, pluma canoscrnte

^ *maciopus* N ab E 1 c — Pamcula 4—6- pollican patente rarillora, basi lon-gissime exseitj, glumis lutescnlibu^, basi atropuipmeis 7—7V₂-ljin , flosculo 3y_a-lin , stipite aristae 5—6-lin glabro, mucionc apicali cilialo, barbn setarum aurea, seta media 12—14 hn , foliis 2—3- pollicaribu"

Y *fulvibaibii*, utvar P sed pamtula densior obovata 7—8-polhcaris, basi pa->UIQ exbeila, stipes aristae 4-linealis

5 *Zcyheii* Pamcula secunda coniiagta, spiculis pluubus nutantibus, glumis •tiaiquahbus — *At thi alhei urn Zeyhen* bieud (N ab E 1 c 177)

6 *Mei/eii* ui var S scd glumae aequales

t Species omnlno dublae.

% 'A CHRYSOPII A Steud

100 'A GENICULATA Rnf

+ t \$|>>eeiea addendae, ad seotloneii suaii **iiondmn** relatae.

101 A

1 A ADOENSI6 Hochsl ms« in A Richaid, Tent flor Ab\ss II 370 — Culmo ereftctf,)asi c »os|)itoso, 1—2-pedali glabro, glauco, foil is lmcaii-lanceolatis coinolutis (an S|p canone?) glabns glauos, margme lelroisum scabns, ligula piloso-sencea, vaginis ffbns, pamcula contiacta famosa, lamis bicvibus erectis, lepicenae valvulis mae-lualibus lineari - lanceolatis atuiis et bieviiei oistalis, dorso cannons, exlenore bre-^0 pig 1 m canna scabro, polea extenore longiore convoluta, dorso cannata et scabra, tnquetra ei arista tupartiia ttfimmata, ansiae ramis aequilongis, similibus m-

- quetro - subulati⁹, rotrorsura argute deuiculato - scabns. — *A. coerulettcens* Hochst ross (nee Dsf) — Habitat in \bysflinine provmcia Cbire
- 102 A CURVATA Nees ab Es ross ex A Rich 1 c 392 — Culmo erecto gracili a basi mmoso spithamaeo nut pedali, folus lineanbus convolutis, ligula piloso-setosa brevi, vagims laevibus, pamcula contacta elongata, ramis erectis, lepicenae valvulis lanceolato - lineanbus cannatis et subscabns, apice sensim aculis, eitenore brevior, palea angusin lepicenam duplo superante, dorso cannata spmuloso-scabra, aristae tnparmae lamis tnqueiro -subulaus denticulnto - scabns — *A vulgans* Trio ft Rprcht (quam cf supra p 742 no 44 var ^) — In Abyssinia
- 103 A MIURITIANA Hochst mss ex A Rich 1 c. — Culmo a basi ramoso genicuhito grncili spithamaeo glabro, folns lineanbus convolutis acutis glabris laevibus, ligula piloso - sericea brevissima, pamcula contracta interrupts subsecunda, ramis bievibus, lepicenae valvula extenore lanceolate acuta, dorso cannata scabeiulaque, inlenore poulo longiore florem aequante apica aubobtusa, arista tupartila, aristae ramis triqueins basi quasi alato - marginatis scabus, intermedio paulo longiore — Habitat in Abyssimae provmcia Nedat, ad pagum Ailet
- 104 A DELICATULA Hochst mss ex A Rich I c 393 — Parvula caespitosa culmo 1—3—4unciali gracili, loins linean-lanceolatis scabns; ligula pilosa, pamcula ramosa, i amis capillanbus scabns scmivci ticillatis, spiculis violnceis mini mis longe pedicellatis, lepicenae valvula extenore flosculum aequante, apice seta termmata, dorso cannatn ct scabra, mterna longiore angusliore acuta, palea extenore tnqueiro - subulata scabrn, aristae trlpartitae tamo medio lateralibus duplo longiore, omnibus triquetrosululatis scabns — Habitat in Abyssimae provmcia Chire
- 105 A MACRATHERA A Richaid 1 c p 393 — Annua culmo caespitoso gracili laevi glabro pedali, folus lineanbus angustis dcutissinus glabris, margine retrorsum leviter scaberulis, paocula teiminali subcontracta rmosa, ramis appressis elongatis, spiculi* subulaus angustis longissimis, lepicenae valvula extenore linean-lanceolata, apjee sensim angustata el acutissima, dorso caunata et scabrula, interna paulo longiore, apica sensim in setam longiusculam giacilem desinente, palea extenore basi pilis cincta longissima, apice inquetra, spiraliter torta scihia, aiistae longissime tnfldae ramo inter* medio paulo longiore, omnibus subulaus scabns — Habitat in Abyssimae locis arenosis provinciae Chire.
- 106 A AEQUIRAMEA Scheele, I innaea XXII 343 f — Radix fibrosa caespitosa Culm¹⁸ ei ectus simplex tereusculus glober sesquipcdalis et ultra Folia convoluto - setace* ngida elongaia glabia scabnuscula, radicalia culmum aequantia, caulina 2 breviora Vaginae internodiis brevioies glabrae striatae scabimsculae, ore barbatae Panicu¹⁸ racemosa contracta subsecunda ramosa nutans, rami verticillati pauciflou Rhachi^t rami et pedunculi soabu, rami fliformes, pedunculi bre\issimi Gluma inferior lanc⁰¹ lain canna scabra anstata, penanthium dimidium supernns, glumam superiorem ^{sup} dium vix aequano, ansta glumam dimidiam aequan* Gluma superior carjopsin ^{pau} superans, gluma infeiori plus duplo longior lanceolata glabra, apice bidentata, ^{dona} arisiata, arista scabra gluma quadruplo minor Glumella subulata purpurascens ^{muri-} cato-scubia, ari⁹ta iripariaa plus tnplo brevioi Aristae haud articulae rarai ^{aequ-} longi paieiues ecabnusculi — *Sesleita?* Lmdbeimer — *Musket-grass* ^{MU & W⁰las} nominatur — Ciescit in Texade prope Neubraunfels
107. A. ROEMERIANA Scheele I c 343 f — Radix fibrosa caespitosa Gulmi ^{orecti} glauci ^{laevia-} prflollea simplices glabn, superne tngoni Folia con\oluto-selacea glauca ^{o[^] or-} scabra culmo breviora. Panjcula racmo«a mterruptn stibsicunda flaccida, to ^{!.. y} flon, mflmi bim, supenores solitanf, inferiores interdum biflon Rhachis glabra ^{!.. y} fliformis, pedunculi capillares vix scabnusculi Spiculae umflorae Gluroae ^{bo⁹ r-} lanceolatae membranaceae purpurascences umner\me inaequoles, canna virides scab ^{las}

culae, inferior truncaia vel apice bre viler bidentata paleas aequans, gluma superior! dimidja vel tertia pane bre?ior, superior bidentata paleas superans, flosculus (glumella) stipitatus subulatus glaber quadrilineatus, gluma superiori brevior, stipes sericeus. Arista tripnrtita haud articulate, rauti subaequales pate'ntes scabriusculi, paleis triplo'longiores. — In Texade prope Neubraunfels.

- !08. A. (CHAETARIA) TRICHODES N. ab E. in Hook. Kew gard. misc. II. 101. f — Panicula angusta contracta, ramis capillaribus subfasciculatim decompositis; glumis setaceo. mucVonatis scabris, inferiore flosculi stipiiem brevissimum subaequante, superiore eodem stipiie longiore crasse irinervi; flosculo linenli; arista ad basin fere divisa, lacinia media bilineali lateralibusque linealibus, saepe recurvis scabris; foliis lineariaugustis complicato - setaceis vaginisque striatis. — Habitat in insulis Philippinis.

Tribus V. *AGROSTIDEAE* Knth. 1. c. 198.

803. *JltlfrraSWBSnCtlA Schreb.*

(Knth. Enumer. 1. 198, Suppl. 154. — Wlprs. Annal. 1. 926. — *Podosaemum* H. B. Knth.)

1. M. (PODOAEMUM) GYMNOSTILA(QM) N.abE. Del. sem. hort. Vraisl. 185a coll. p. 3. adn.— Panicula ffontracta angusia; ramis fasciculatis inaequalibus, aliis a basi, aliis citra basin florentibus strictiusculis; glumis lanceolatis longe acuminatis carina scabris, infera brevior, superiore flosculum muticum basi pubescens aequante, callo juloso, processu Diformi longitudine dimidii flosculi glabro, basi barbato. — Simile *Pod. an gusto* N. ab E., differt processu glbro longiore. — Culmus suprne imprimis scaber rainosu- Folia scabra. Glauescit. — Habitat. . . . ?
- ? M. SOBOLIFERA Trin. — A. Gray, Manual of the bot. of the North. Unit. Stantes 580. — *Cynna sobolifera* Lnk. — Knth. I. c. 207. no. 6.
3. M. SYLVATICA Torr. fit Gr. mss. ex A. Gray. 1. c. — Culmis ascendentibus minosiiwiniis diffuso - patentibus 2—4-pedalibus; paniculis contractis dense multifloris; glumis subaequalibus setaceo-apiculatis, paleam inferiorem subaequantibus, palea inferiore aristam gerente, quae spicilam triplo duplove superat. — *Agroslis diflusa* Mhlbg. — In America boreali vulgaris.

809. *SPOROBOLIUS H. to:*

(Knth. Enumer. I. 209, Suppl. 166. — Wlprs. Annal. I. 927.)

1. **SP. STACHYDANTHUS** A. Richard, Tent. flor. Abyss. II. 394. — Annuus: culmo erecto eo simplici glabro; foliis linearibus acutis, sparse pilosis, margine versus basini subdeniiculatis; lingulae pilis longis; vaginis longe ciliatis; panicula cylindrica laxiuscula spicaeformi, ramis brevissimis glabris; spiculis numerosis; lepicenae valvula lanceolata acuta, flore brevior, enervia, interiore longiore florem aequante acuta, enervia glabra; palea exterior lanceolata acuta glabra enervia; caespitosa subcomprogsa nuda. — Habitat in Abyssinia* montosis planitie
2. **SP. ALPICOLA** Hooker — A. Richard i. n. p. ow. — ferennis nana valdia caespitosa: foliis confertis, basi oppressis erectis et vaginis lalis nudis obtusia lineari-

bus semiterlibus subulatis acutis rigidiusculis glabris, culmo erecto 2—3 uncias alto e centro folionum appressorum obo, panicula minima ramosa, ramis brevibus semiverticillatis flexuosis, spiculis sat magnis paucis, longe pedunculatis, pedunculo apice incrassato, Uricenae valvulis subaequalibus, flore paniculum longioribus, dorso canalicatis apice acutis, paleis muticis canalicatis glabris, exteriore apice denticulate, interiore acuta — Habitat in cacumine montis Selki Abyssiniae, in provincia Semioque

- 3 SP ANGUSTIFOLIUS A Richard 1 c p 396 — Perennis culmis folisque basi caespitosis, culmo erecto, obtuse angulato gracili sesquipedali glabro, folia duo maxime distantia brevia gerenti, foliis radicibus interius angustissimis acutis glabris quartere allitudinis culmi partem attingentibus, nervis brevissimis interius - subulatis, ligula pilosa, vaginis longissimis glabris panicula subpyramidalis folio basi involvente destituta ramosa ramis semiverticillatis erectis glabris longioribus, lepicenae valvula inflexa elliptica acuta, gluma dimidio brevior, interiore simili paulo longiore glumis apice obtusis — Habitat in Abyssiniae locis siccis provinciae montosae fere
- 4 SP AFFINIS A Rich 1 c p 396 — Perennis caudice subterraneo repente, culmis erectis basi geniculatis caespitosis sesquipedalibus glabris, foliis lanceolatis acutis subpaniculatis, inferiorum scabris, ligula annulata vix distincta, nervis ciliatis, panicula elongata basi nuda subpyramidalis, rimis scabris, spiculis elongatis acutis, lepicenae valvula exteriore lanceolata acuta, paleis inferioribus parte brevioribus, interna acuta glabra, glumae fere aequales, palea exteriore apice acuta, dorso vix caudata — Habitat in Abyssiniae provincia fere
- 5 SP MARGINATUS Hochst mss ex A Rich 1 c p 397 — Culmo erecto sesquipedali, basi gemmato, tereti glabro, foliis lanceolatis acutis striatis, versus basin pilis quibusdam conspersis, nervis incinatis ciliatis - scabris, ligula pilosa, vaginis ciliatis, panicula amphipyramidalis, ramis verticillatis glabris, lepicenae valvula inflexa flosculo quadruplo brevioribus, ovali subobtusis, interiore paulo supertrile elliptico lanceolata acuta, palea exteriore lanceolata acuta glabra fere — Habitat in Abyssiniae provincia Chire
- 6 SP CONFERTIFLORUS A Richard 1 c p 397 — Perennis culmo subterraneo repente, ramis erectis pedibus et ultra, basi saepe gemmatis glabris laevibusque, foliis lanceolatis acutis glabris, margine et subula retrorsum scaberulis, ligula membranacea brevi dissecio-denticulate; vaginis hinc striatis glabris; panicula elongata subpyramidalis, ramis nunc semiverticillatis, nunc alternis, erectis flexuosis ramosissimis, ramulis brevissimis, spiculis numerosissimis brevissime pedicellatis confertis glabris, lepicenae valvula exteriore paleis dimidio brevioribus, apice subobtusis apiculata, interiore paulo longioribus paleis inaequalibus dorso canalicatis apice obtusis — Habitat in Abyssiniae in uli Manani Chawisio nris
- 7 SP FESTIVUS Hochst mss ex A Richard 1 c 398 - Culmo erecto subpedali, basi gemmato, foliis brevibus linedribus convolutis glabris laevibus, ligula pilosa, vaginis ciliatis, panicula ramosa, ramis fasciculatis capillaribus flexuosis glabris, spiculis minimis gracilibus, lepicenae valvula exteriore elliptica obtusa subdentata - lacera, interiore note duplo longioribus ovali-acuta, nervis lepicenam duplo superantibus aequilongis, exteriore dorso subcaudata glabra violata — Habitat in campis Abyssiniae prope Avai Semmaka in provincia Chire
- 8 SP BLEPHARIPHYLLUS K Richard 1 c p 398 - Paniculus spithameus foliis basin culmi confertis brevissimis lanceolatis acutis, nervis distanter et nervis cilia rigidiusculis, ligula breviter setosa, vaginis glabris culmo erecto simplici glabro, panicula elongata, ramis verticillatis patentibus, parce ramosis glabris, spiculis lanceolatis sat longe pedicellatis, lepicenae valvula exteriore lanceolata acuta augusta, vix diam flosculi longitudinem aequante, interiore elliptica, dorso canalicata acuta, nervis pauper superante, paleis mucosis aequilongis acutis, dorso carinatis glabris —

achyrum Adoense Hochst. mas. — Habitat in Abyssiniae vallibus et pratis juxta Adoua.

9. SP. PANICOIDES A. Richard L. o. p. 399. ** Annuvs: - oulmo recto pedali; foliis lanceolato-linenribus glabris, margine tenuissime scaberulis flaccidw; ligula annulata soricea brevissiraa; vaginis laevibus glabris; panicula terminali elongate, ramis verticillatis, verticillis auperpositis approximalia, ramulis capillaribus erectis; floaculia solitariis elongatis angustia; lepicenae valvula inferiore lanceolata angusta acuta, flojculis triplo brevior, interiore ovali - lanceolata acuta; palea interiore compreaaa latiore obtusa glabra, margine tenui, demum dorso medio profunde bipartite; carjopai globosa ceracea. — *Triachyrum loggifolium* (locust. — Habitat in Abyssiniae provincia Cbire.
10. SP. PALLIDUS Lindl. in Mitchell, Journal of tropical Australia p. 187. adn. — Foliis planis glabris, ligula nulla nisi squamula quadam; panicula effusa, ramis brevibus aker-nis venicillatisque subnuculis; paleis truncatis, altera trinervia, altera binervia. — Crescit in Australia orientali tropica.
- H. SP. VERTICILLATUS N. ab E. in Hook. Kew gard. misc. II. 101. — Panicula atricta lanceolata elongata, ramis alternis erecto-patulis, basi trifloris; densissime florentibus, brevibus strictiusculis; spiculis exiguis; glumis subovalibus obtusis patentibus parum inaequalibus, inferiore paulo brevior angustior; valvulis obtusis sub froctu obovatis scitbris; caryopsi obovata obovata obtusa laevi rufo-castanea nilente- culmo erecto simpliciter striato; foliis planis elongatis margine acutis vaginiisque flabris — In insulis Philippinis habitat.
12. SP. INSULANUS Parlat. Atti della ottava riunione 586. - Panicula paniciformi cylindracea conferta continua, ramis adpressis, erectis, superioribus brevissimis, spiculis oblongis; valvis calycinis acutiusculis inferioribus paleis brevioribus, superiore subobovatis, foliis linearibus subulntis rigidis glabris; ligula brevissima truncata, ad angulos pilorum fasciculo munita; vaginis glabris margine superne piloso-ciliatis; culmo ramoso rigido tereti, radice . . . ? — *Sp. insularis* Parlatore in Hook. Niger Flora 187 + — Habitat in insulis Gabilis viridis.
- *3. SP. MYRIANTHUS Benth. mss. in Hooker, Niger Flora p. 665. f — Glaberrimus: culmis gracilibus erectis; foliis convoluto-selaceis; vaginis ore ciliatis; panícula effusa lamossissima, ramulis capillaceis, apice unifloris; spiculis angustis acuminatis; gluma exteriore nore triplo brevior obtusa, superiore dimidium floris aequante mucronulata. Paleis aequalibus, exteriore obsolete mucronulata. — Crescit in montibus Ouarré prope Paueb in Nigruia.
- *SP. ASPER Kunth. I. c. 210. no. 5. - *Sp. cryptandra* A. Gray, Manual of the bot. of the N. O. F. U. S. — *Sp. rhytid* Torr. — *Agrostis cryptandra* Torr.
15. SP. HETEROLEPIS A. Gray I. c. — Foliis involuto - filiformibus rigidis, inflexis culmum aequantibus (1— 2-pedalibus); culmo superne nudo; panicula laxissima; glumis vix inaequalibus, inferiore subuliformi vel e basi latiori setaceo - apiculata, subbrevis, superiori ovato - oblonga alienuata paleis inaequalibus longiori. — Inamoene let. Utriculus (?) sphaericus lineam diametro tenens, nitidas, crassus coriaceus. — *Heterolepis* A. Gray. — In America boreali (Connecticut, New York, Ohio).
16. SP. SEROTINUS A. Gray I. c. 577. — *Agrostis serotina* Torr. — *Vilfa serotina* Torr. — *Vilfa tenera* Trin. — *Poa? uniflora* Muhlberg. — *Poa modesta* Tuckerm.

810. ACJBOSTIS Linn.

(Kunth. Enumer. 1. 217, Suppl. 174. - Wlprs. Ann. I. 927.)

- A. ANATOUCA Koehliniwea XXJ. M9. f — Caespitosa gluberrima; folia omnia ovata acuminata instructa; panicula contracta deusa; spiculae piloso-

- scabrae ovato - oblongae; glumae subaequales obtusissimae, florem duplo superante*.
— *A. verticillata* C. Koch, Linnaea XIX. 5. — In Anatolia.
2. A. PLANIFOLIA C. Koch 1. c. 380. f. — Caespitosa aut brevibus stolonibus instructa; folia linearia plana asperula; ligula brevis, truncata; palea arista supra medium dorsum inserta instructa. — In Caucaso australi.
 3. A. VESTITA Hochst. mss. ex A. Richard, Tent. flor. Abyssin. II. 401. — Culmo basi repenie horizontali, caeterum erecto sesquipedali; foliis lanceolato - linearibus aculis scabris; ligula membranacea elongate dissecta; panicula effusa ramosa elongate pyramidaia, ramulis scabris; lepiconae valvulis lanceolatis acutis, dorso carinatis etciliato-scabris, ezteriore paulo longiore; paleis lanceolatis acutis, lepicena paulo brevioribus, muticis, pilis longis obtectis. — Habitat in Abyssiniae montibus prov. Urahit.
 4. A. PERENNANS Tuckerm. Bot. Zeitng. VIII. 499. — Culmis e basi gracili tgeniculata ramosa erectiusculis procumbentibusque glabris; foliis patulis longiusculis linearibus planis striatis scabris, vaginis laevibus; panicula tentii elliptica, demum oblonga laxiuscula, ramis verticillatis erectiusculis scabris; floribus lineari-lanceolatis acuminatis; glumis angustatis acutissimis seu cuspidatis, carinis scabris, circa lineam longis subaequalibus; palea lineari-lanceolata glumis breviori acuta glabra. — *Trichodium perennans* Ell. — *Agrostis cornucopiae* Fres. — *Agrostis anomala* Willd. — *Trichodium decumbens* Michx. — Crescit in America boreali.
 5. A. CAMPYLA Tuckerm. 1. c. 498. — Culmis e basi geniculata ramosa erectis glabris; foliis lanceolatis linearibus planis striatis scabris; vaginis glabris; panicula diffusa ramosa, ramis 4—6 verticillatis breviusculis flexuosis patentibus divaricatisve scabris; floribus oblongis aculis glabriusculis; glumis inaequalibus acutis seu cuspidatis, carina inferioris saepius scabra, superioris glabra, margine scariosis ²/_i lin. longis; palea ovata longiuscula glumam superiorem vix aequans, aequante acula glabra. — *Agrostis scabra* Tuckerm. (nee Willd.) — *Trichodium scabrum* Muhlberg. — In America boreali.
 6. A. UM BELL ATA Colla, Memorie di Torino XXXIX. 23. f. tab. 57. — Foliis strictis linearibus culmoque striatis scabriusculis; panicula coarctata glabra, ramis verticillatis, verticillis umbellatis, radiis capillaribus subquaternis unifloris; glumulae valvis nequibus acuminatis scariosis; perigonio brevissimo; valvis inaequalibus muticis; caryopsis liberis. — In Chili.
 7. A. (VILFA) VAGINAEFLORA Torr. mss. (??) ex A. Gray, Manual of the bot. of the North. United States 576. — Radice annua; culmis gracilibus 6—12-pollicaribus ascendentibus; foliis involuto - subulula 1—4-pollicaribus; paniculis simplicibus spicatisque Jalernibus saepeque etiam terminali in vagina absconditis; paleis subaequalibus glumes subaequales fere aequantibus; fructum linearem tertia parte superantibus. — *Agrostis Virginica* Muhlberg. (nee Linn.) — Habitat in America boreali (a New England ad Ohio).
 8. *A. PERENNANS A. Gray 1. c. 577. — *Cornucopiae perennans* Walt. — *Agrostis Cornucopiae* Fres. — Knth. 1. c. 224. no. 43. — *Trichodium perennans* Ell. — *Trichodium decumbens* Michx. — *Trichodium scabrum* Muhlberg. (nee alior.) — *Agrostis anomala* Willd. (Vid supra no. 4.)

Tribus Vē ARUNDINACEAE Knth. I. c. 236.

817. CALAMAGROSTIS Adam.

(Knth. Enumer. I. 236, Suppl. 183. — WJprs. Ann. I. 929.)

1. C. (*Epigeios*) GEORGICA C. Koch, Linnaea XXI. 387. f. — Gluma: ligula oblonga acuta; panicula angusta, ramis brevibus asperrimis instructa; spiculae angustae; gl^o#

mae oblongae, in longum acumen attenuatae, pilis longiores; arista interdum geniculata, supra paleae inferioris bifidae basin ezorta; palea superior dimidio ferevior inferiori, bifida. — Grescit in Georgia circa Till in.

2. C. THYRSOIDEA G. Koch 1. c. 388. f — Rami paniculae breves erecti, ramuli brevissimi, praesertim ei apice spiculis congestis instructi; glumae angustatae lanceolatae, villis ex basi ortis aequantes, flosculum duplo superantes; palea inferior ex apice bifida, lobis conniventibus; arista brevis, ex fissura oriens; palea superior dimidio brevior, oblonga bidentata. — Habitat in Grusia.
- 3- C. (*Eucalamagrostis*) COARCTATA Torr. Flor. of New York II. 444. tab. 151. — A. Gray, Manual of the bot. of the North. Unit. Staates p. 582. — Panicula contracta densa (3—6' longa); palea inferiores glumarum lanceolarum apicibus attenuatis brevior, quam pili plerumque duplo longiore aristam rigidam exsertam brevem supra medium gerente. — Cultraus 3—5-pedalis, glumae 4 lin. longae, achaenia pilosa, fasciculo pilorum terminate. — *Calamagrostis Canadensis* Nutt. — Knth. I. c. 237. no. 5.?? — In America boreali.
- * * C. CANADENSIS Nutt. — Knth. I. c. 237. no. 5. — Torr. Flor. of New York. II. 444. tab. 150. — A.*Gray, Manual of the bot. of the North. Unit. Staates 5& — *Arundo Canadensis* Michx. Flor. Am. bor. I. 73. — *Calamagrostis Mexicana* Nutt. — (*Cinna? Purshii* Knib. I. c. 208. no. 14.?? — *Arundo agrostoides* Prsb.— *Calamagrostis agrostoides* Spr.)
5. C. (*Calamovilfa**) BREVIPIILIS A. Gray I. o. — Paniculae pyramidalis diffusae ramis capillaribus purpurascensibus; glumis ovata mucronatis, superior! quam paleae parum brevior, inferlore quam paleae dimidto brevior; paleis quam pili duplo longioribus, secundum carinas seloso-barbalis. —* *Golmus gracilis* 3—4-pedalis. — *Arundo brevipilis* Torr. — Habitat ad New Jersey.

t loon addends*

- ° INEXPANSA Torr. a Gr. (ubi??) — Torr. I. c. 445. tab. 152.

821. ABUITFDO (*linn.*) *Knth.*

(*Knth. Enumer. 1.246, Suppl. 189.*)

- ^l. *A. SELL 0 AN A Schult. — *Knth. I. c. 248. no. 14.* — *Gynerium argenteum* N. ab E. — ^paxt. 8c Lindl. *Flow. gard. I. 176. fig. 111.*

824. PHRAGMITES *Trin.*

(*Knth. Enumer. 1.250, Suppl. 193.*)

- ^l. PHR. JUMILIS De Notrs. *Ann. des sc. nat. (3. Ser.) IX. p. 325. f* - Dense caespitosa: Paniculae confertae subsecundae mediocris ramis fasciculatis, inferloribus ad ortum

^{tt}_{u2} *tolanmilfa* A. Gray. — Glumae paleaeque aequales chartaceae compresso-carinatae, ^{Jun2?} ^{inferj}ore quam superior paleaeque brevior, plearum inferior uninervis exaristata, ^lPerior eximie bicarinata; rudimentum nullum. Panicula patens laxa.

lana brevissima involucraii; locustis 7- vel 8-floris; glumae valvula inferiore late ovato-lanceolata vix acuta, superiore inferiore vix dimidia parte longiore ovaio-oblonga acuta ubtikiusculave; glumellae palea inferiore elongata oblusiuscula, superne convoluta; flosculo infimo roasculo, valvulam inferiorem longitudine duplo superante. — Crescit ad rivulos in colle di Santa Thecla prope Genuam. .

Tribus VD. *PAPPOPHOREAE* Knth. 1. c. 252,

830. *PAPPOPHOBEM* Schreb.

(Knth. Enumer. I. 254, Suppl. 196.)

1. *P. SCHIMPERIANUM* Hochst. rasa, ex A. Richard, Tent. flor. Abyssin. II. 403. — Perenne: culmis caespitosis, basi geniculatis spithamaeis, nodis pubentibus; foliis brevibus lanceolatis angustis acutis rigidiusculis pubenti-pilosis; ligula pilosa; vaginis pubentibus; panícula spicata ramosa, ramis brevibus erectis; spiculis bifloris; lepicenae valvulis inaequalibus erectis, exteriore breviori elliptico-lanceolata acuta 5-nervia pubente, interiore longiore acuta, dorso subcarinata 5-nervia pubente; palea exteriore floris hermaphroditi basi ventricosa 9-nervia pubente, aristis 9 plumosis, lepicena paulisper longioribus terminalis. — Habitat in Abyssinia collibus siccis prope Adoua.
2. *P. FLAVESCENS* Lindl. in Mitchell, Journal of tropical Australia p. 34. adnot. — Aristis novem rigidis pallidis plumosis; spica composita densissima arborlonga; paleis lanatis; glumis ovatis pilosis; foliis vaginisque pubescentibus taclu scabris; geniculis villosis. — Crescit in Australia orientali tropica.
3. *P. VIRENS* Lindl. in Mitchell 1. c. 360. adn. — Pumilum caespitosum. aristis 9 plumosis rigidis, apice nudis; spica composita laxa tenui villosa; glumis pilosis; paleis sericeo-pilosis; foliis tactu scabris, vaginis pilosis juxta ligulam villosis. — Crescit in Australia orientali,
4. *P. AVENACEUM* Lindl. in Mitchell 1. c. 320. adn. — Aristis 9 inaequalibus scabriusculis infra medium plumosis; panícula pilosa angusta interrupta, ramulis inferioribus demum refractis; spiculis trifloris; glumis pubescentibus multistrutis; paleis villosis; foliis...* — Crescit in Australia orientali tropica.
5. *P. (Enneapogon) AUCHERI* Jaub. ft Spach, Anna, des sc. natur. (3. Ser.) XIV. 363. & Illustr. pjanf. oriental, tab. 323. — Pldvta perennis multicaulis, confertissime caespitosa. Radix fibrosa, fibris filiformibus subsimplicibus. Caules 5 — 9 poHices longi (inflorescentia non adjecta), ascendentes vel erecti, simplices graciles laevigati teretistriatuli, paucinodi, nodis barbato-lanulosi, caeterum modo glabri modo pubescenti moUi subtomentosi ([Ms simul ac'pubis foliorum et glumarum plerisque apice clava vel subgloboso-innatis)^ nodis infenonbus geniculati; internodia inferior^ vaginis P»^{ul} longiora; articulus summus elongatus (3—7-pollicaris), strictus, demum long#DXserto'i nodi crassiusculi. Folia subcoriacea crassiuscula glauca nervosa papillulosa ^s cabrri; molliter villosula involuta, radicalia 1 — 2 poHices longa, ad caulium basin ^{(Itat)C} conferta (vaginis imbricatis), caulinis angustiora, subulato - Qliiformia, alia recta f ^{**} magis minusve falcata, caulina radicalibus latiora et raizius involula, 1—3 p [^]liqae longa, lanceolato-linearita acuta, nunc recta nunc subfalcata. Vaginae siAcornioom, nervosae, simili modo ac folia papillulosae et puberulae. Vaginae inflmae imbricatae

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marcescentes pleraeque subovatae ventricosae Vaginae foliorum superiorum involucae non ventricosae, ore barbato-lanulosa Ligula obsolete vel riuha Pamcuia 4¹—4 pollicea longa multispiculata oblongo racemiformis, densiuscula (basi tamen baud raro interrupte), contracta erecta subtermpkx, flomm aistls conspicue setosa simulque birsuta Rhachis corrtinua gracilib angulosa lanulosa (simul ac spicularum peduncull), flexuosa Ramuli filiformes, erecti flexuosi, in paniculis macnonbus breves solitam 2- vel 3- apiculati, in paniculis vegetationibus subterni (saltern ad inflorescentiae paries mfenoiies) magis mmusve elongati, in quovis fasciculo inaequales, plenque 5—7-spicutati, nunc simplrces, nunc ramillosi Spiculae 2- vel 4-florae, breviter pedicellatae con formes teretiusculae, quasi papposae, praefloratione linean- vel oblongo-lanceolatae Flores ad rhacbillam filiformem flexuosam lanulosam alterni, distich! approxiraati sessites (excepio summo) Flos inf)mus majoi bipaleaceus hermaphroditus nandrus Flores reliqui neutri, ex his inferior bipaleaceus flore perfecto paulo minor! sequentes umpaleacei minuii, summus stipuulatus Gluma bivalvis persistena (etiam delapsa rhnculla frucifera), flore perfecto (hujus anstis praetermissis) subduplo longior, an^sth florum superata Valvae membranaceae semipellucidae stramineae vel violascenti- i< nteroae 6—9-nerviae (nervis filiformibus subaequicrassis, alus infra medium, alns Alt ins evanescentibus, nervo medio solo apicem fere attingente, sub anthesi vindibus vel violascentibus), naviculares, nervo medio carintflatae inaequilongad subconformes, ovato-vel oblongo-lanceolatae, sensim acutatae, apice nunc integernmae, nunc acute emarginatae vel irreguUnter dentaio r lacerae muti<ae exanatae subdivergentes (sub anthesi), dorso villosulae (ad nervos praesertim) et nervo canali sub lente aculeolatae, facie glabrae, utrlnque papilluloso-punctulatae Valva externa (inferior) 3—3% lin longa Valva interna paululo altius mserta, valva externa circiter dimidia linea longior et poulo angustioi Glumellae paleae inaequilongae dissimiles, ad rhacillam matuniate urn cum fruciu flonbusque neutns deciduara peulstentes Polea externa major chariacea ngidula opaca sirammaea, concava subtubutoso-inflexa, ecannata, o)alis vel oblonga 9-nervia (nevis fliformibus subaequalibus, parallelis, apice subincrassaus), apice 9-flda (lacinns denliformibus, In arislam desinentibus), dotso a basi ad medium longe setoso-hirsuta (plerumque dense) simulque ad apicem usque villosula, facie ad apicem magis mmusve barbata, reliquo glabra vel laxe hirsute, adjectis anstis 4¹A—5 lin longa (anstis praetermissis 1—IVa-l(neam), fiuctifora subventncosa. Aristae setaceo-subulatae plamusculae stnctae, magis mmusve divergentes rloascen- ^s, inaequilongae (media omnibus longior, reliquae aliernatim breviores et subtnente tongiores), a basi ad medium vel paulo altius usque longe plumosae, mde ad apicem Berrulato-ciliolatae nudaee Palea externa floris neutrnis inOmi simrlis paleae externae jtoris fertilis, at paulo minor Palea lions neutnus summi rairiima ,3- ^ 5- anstulata. Palea interna membranacea hyalina, palea externa (hujos anstis praetermissis) paululo brevior at angustior, cannato-binervia (carlms immargmatls), spathulaMM oblonga, aorso concava, latenbus mde-a nervis inflexa et puberula, cannts viltosula, reliquo ^abra, apice obtuse emargmata Squamulae hypogynae mimmee glaberrimae carnu- losae persistentes cuneiformes apice truncatae vel lotundatae, mterdum relusae, sub ai*thesi ovano tnplo bieviores Stamina sub anthesi ghimella longlora. Filamenta capillana flaccida Antherae ovaes, medio afflxae, basi et apice obtuse bilobae Pi- stHum sub anthesi stamimbus brevius Ovanum minimum glabemmm stlpitatum oblonguni brevlusculum, apice obtuso inter stigmata quasi IB denticulum pfo ductum S^gmate 2, laterali-termmalia filiformia olongata divergentia, basi glabra, caelerum h^{rev} < plumosa, pihs ramosis Garjopaia mmuta (»^—V* bneae longa), glumellae palea ln*erna paulo bievior madhaerens glabernma laevigata brunnea subtrlgona vel »etiii- cuiaris, elliptica vel obovata, basi et apice obtusa, facie esulca et paula supra basin fo^veola mlnuta noiata, haud raro stigmatum rellquiis bioiucronulata¹ Embryo peri- *Permio paulo brevior, circumsonptione ovalw — *Ptypophorum elegans* N ab Es ^{va}lde afflne differt pube eglandulosa, folns plams vel plamuscuhs tenuibus f flonbus ^{ub}ntente mionibus, forsanique aliis oons — Habitat in Persia australi

P (*Enneapogon*) BRAGHYSTACHYUM Jaub ft Spach I c. 365 et Illustr pi oriental tab 324 — Planta pusilla caespitosa, individuis hebetatis *Koelerxae villosoe* similis, uti dicitur annuo Radix fibrosa Caulos Va—IVa poll long! conferti gemculati diffusi tereteg. stnati laevigati simplices foliosi, pube brevi patente copiosa subcanescentes (pilis alus setaceis, alns apice cldvato- aut globoso-incrassaus), nodi crassiusculi lanuloso-barbulati, mternodia breviter exserta vel mclusa, arliculus summus ereclus, caulibus vegeiionbus subpolhcaris Folia smili modo ac causes incano-villosula simulque scabia (sub lente papillulosa et ad nervos aculeolata), crassiuscula glauca nervosa involuta fliformia obtusiuscula, plernque subfalcata, radiralia disticbe conierta brevia, caulina 5—9 lineas longa Vaginae nervosae ciliatae papillulosae (sub lente), dorso villosuloe, facie glabrae, oie barbulatae Vaginae foliorum radicalium submembranaeae toncavoe subovatae, disiiche imbricatae Vaginae foliorum cauhnorum herbaceae involutae, sunimae magis minusve ventricosae Ligula obsolete Pamcula 5—7 lineas longa, spicaeformis coactata, ovalis et oblonga, obtusa subteres erecia terminalis mulspiculata, florum aristis 9etulosa Ramilluli erecti bieves maequales fliformes subfasciculanti (2—3) vel solitarn, spiculas 1—4 gerentes Rhachis continua substncta flifoimis villosula Spiculae breviter pedicellatae conformes triflorae teretiusculae, phmfanam imbuciae mmulne albido - straiumeae, quasi papposae, praefloratione lmean-lanceolatae Flores ad rhachillam fliformem flexuosam puberulam alterm disticbi, mfeiores sessilos, teimnialis stipitatus labscens Flos mflmus major bipaleaceus heimaphroditus triandrus, solus perfectus Flos proximo sequens paulo minore flore inflmo, neuter, umpaleaceus (vel palea interna abortiva instiuctus) Flos summus item umpaleaceus el neuter minimus Gluma bivalvis, persistens, flore perfecto paulo bievioi Valvae nternae membianaceae semi-pellucidae, stramineo-albidae, 5-vel 6-nerviac (nervis subaequalibus, fliforinibus, lateralibus jam infra valvae medium evanescentibus, neivo medio paulo ante valvae apicem evanido), naviculaies, nervo medio cannulatae inaequilongae subconformes, ovaies vel oblongae, obtuse emarffinatae muticae exanstatae, dorso laxe pilosellae, nervo canali sub lente aculeolato, facie glabrae Valva exterua circiter 1 lineam longa Valva interna externa paulo longior (circiter V*) et plerumque subtunte angusioi Glumellae paleae {flore perfecto) inaequales dissimiles persistentes (una cum rbachilla fruciifera floribusque neutns delabentes) Palea exteina major chariacea crassiuscula opaca strammea subbuloso-inflexa, ecannata ellipiica 9-nervia (ncrvs paial'elis subaequalibus fliformibuJ> iipice incrassatis), apice 9-flda (lacinus dentiformibus, in an&lulam productis) vel vatione 6—8-Hda, dorso a bosi ad medium feie usque dense setoso-hirsuta, reliquo glabra, facie juxta apicem breviter barbaia, caeterum glabia, adjectis anstulis circier 2 lin longa Anslulae rectae vel subarcuatae, magis minusve diveigentes, stranueae inaequales (plerumque 5 mtei se subaequales, palea ipsa subdimidio longiores, aristu* lis mterpositis brevionbus subsemel longiores), setaceo-subulatae plamusculae, a ba» ad medium vel paulo altius usque bieviter plumosae, inde ad apicem ciholaiae. Pal0^a externa floris neutnus inferioris oonformis paleae ezleinae floris perfecti at subin*ⁿ* minor, snopo 6—8 - anstulnto Polua lioria inbescontis mlnlinu, In- vol bill<lo Pa⁰* interna (floris perfecti) paulo brevior palea exteina (hujus anslulis praetermissfr) membranacea hyalma linean-oblonga retusa mutica exanstata cannato-binervia (can* nis immarginatis, dorso obtusis ciliolaiis), latenbus inde a nervis inflexa, marginib⁰⁸ ciliata, dorso ad paries mflexas puberula, reliquo glabra, basi angustaia Squainula⁶ hypogynne minimne glabeinmae carnulosne persbtenles cuneiformes apice iruncat^o vel rotundato baud raio irregulantei retusae Antherae minimae, cordato • ellip^cJ^o obtuse emarginatae. Pistillum sub anlbesi non examinalum Garyopsis mioinia v^{1/2} lineam longa) inadhaerens, inclusa, palea interna bievior oblonga obtusa s^uhtera^o brunnea laevigata glaberna supuulala, plerumque stigmatum reliquis bimucrono^{lata} facie supia basin foveola minuta notata esulca Embijo penspermio paulo bre circumscriptioe oblongus, — Habitat in Arabia felici

832. *ECHOTAHIA Dsf.*

(Knth Enumer I 256, Suppl 201)

- ¹ E PUMILA Wjllk in Schlehtd Dot Ztng VI 415 — Caespitosa culmis 1—2-pollicaribus foliosis, spicis capitatis pauciflons inter folia fere occullis, cnstis glumarum patulo - reflexis us *C capitatae* brevionbus rigidionbusque — Habitat in Hi spam a in regione alpina montis Sierra de Yunquera

832A. *WHiHEIiMSIA C. Koch*

(C Koch, Linnaea XXI 400)

Thyrus, spiculae 4—5-florae, a latere planae. Glumae villosae m-aequales, inferior angustior minor lanceolata uni-, superior trinervis. rioscuh 2 infenores fertiles, palea eorum inferior villosa, ex apice brev-
^vHer bifida anstata, palea superior Jineans bifida, lobis aristiformibus, germen anguste oblongum, stylus erectus, stigmatibus pilosis, flosculi
^{*} vel 3 supenores structura dura, plerumque unipalacei, eorum palea glabra, apice recurva, breviter anstata aut mutica.

- 1 W CAUCASICA G Koch I c. f - Annuua folia biem lanceolaia pilosa, thyrsi rami brevissimi, 1—4-spiculati, paene spicam referentes — Grescit in Grusia.

Tnbus VIII. *CHLORIDEAE Knth. 1. c. 258.*

834 *miCROCHiIOA R Br.*

(Knth Enumer. I 258, Suppl 201)

- ¹ M ABYSSINICA Hochst mss er A Richard, Tent flor Abyss II 404 — Perennis culm^{is} caespitosis ereciis spithamaeis, foliis basi confertis linearib's subcanaliculatis obtusis glaucis pilosis, ligula brevissima ciliaia, spica terminal! linean longissima secundidora incurva violacea, rhachi tnqueira, angulis interms ciliatis, spiculis sessilib^us, lepicenae vaUulis lanceolaiis acutis'suboequalibus, extenore nxi applicata et inde
⁸Upenore, glumie paleis inaequalibus acutis muticis, a upon ore donso soricea Jongiore — Habiiot m Abyssinia montosis provinciae Chire
- ² M OBTUSIFLORA Bnth mss in Hooker, Niger Flora p 565 f — Foliis brevibus
^c ^Λ ^{nvolutis} -fliforraibus, glumis obtusiusculis, paleis dorso longiuscule pilosis. — Gres-
^c in moⁿ!!bu8 Quorra, prope Patieh m Nigtia

836. *CTSTODOST Rich.*

(Knth Enumer I 259, Suppl 203)

- ¹ C TERNATUS ^Λ Richard, Tent flor Abyss II 405 — Annuus culmo erecto pal-
^J ^J ⁿ basi gemcolato, folus lanceolatis brevibus pubentibus, ligula membranacea
^{*1*}

Human vagims pubeniulis, spins 2—3 lemiinalibus digituiis gracilibug, spicuh< secundis alternib breviiiei pedicellulis lomentellis, lepicenae valvul< extenore ellipuca oblonga phna struia tomentosa, mlenoro laliro longioieque, pileis glabus laeivibus — *Pmucuii lunatum* Hochsl mss — Habitat in ai\is Alnssmne prope Adouu

837 DACTYI^OCTEHTiUIW: Willd

(Knlb Lnuoier I 261, Sup pi 204)

- 1 i) HGAREI DP ISOirs Ann des &t natur (3 Se*1) IX p 325 f — Span digitalis, bins terms qnaieinlsv<, locusils biserlaiihus ^cd\irtdis cohllguis mflons, ilosculo supcuoie plerumque cbartnceis, paleaium infenore ex apice attenuato miHiouao ugi-diusuila — Habitat in Aegypto

839 CRLOIIS SwUz

(Knth bnumer. I 263, Suppl 206)

- 1 (111, ABYSSINICA Hochlisl mss ex A Richaid, Tenl nor Abyssm II 406 - Culmo erecto 2— 3-pedali basi gniculfluo Pt subrepenie, fol/is g)nhus lirtennbiis, retrojs< m scibris, ligula plo<«a, \agmis glabns laeivibusquo, spicis digitalis numerosis 8— ^» 2—3-uncmlibus gncilibus sciundiflons, ihachi puhenti cilmia, <<«\iculis compress 9' lions oblongo-aculis sissilibns, lepicenae valvulib aeqnilongm lnnceolatis cannons <<«»' bris, floic infcnoio bcimaplirodito anstato, (lore medio masculino, supitmo ntuti°i omnibus arfsiatis palea cxienoie flohs hermnphrxxhli catinald, ex *|Ace biflido ai istoto_f maigine dense seloso-ciliaij tinsia \ix palenm atquanic — Habital in Ab\ssmia prop⁰ Adou i
- 2 CHL LFPTOSTACHYA Hochlisl nrss e\ A Rich I c p 40? — Aniuua culmo a bae< ramoo peniculalo eieclo pedali, folns lanceolato -Imeanbus acuiis ghbris, raargi¹¹⁶ rolroisum drniculalo scabns, ligula bievismma mombrnnaco i flmbnail, vaginis mfla¹¹⁹ glabns spicis 4—6 digitalis giantibus se»quiuncjalibus out lmincialfbus, rhachf gr<«< till bine et illmc anguste mmglnaia ciliala spiculis sessflibus lanceolato -angusW br< flons, llonbus longe aiistitis, infeuore IIII maplirodilo, supeiore neutro, lepicenae \al\ula infeuoic paulo longioie lonccolata acutd, dorso carinalo et acaba infef>^{or} paulo bievjore subsimili, flous berninpbioditi basi seue piloium bttvi uncti palea^{es} tenoie oblonga biflida imbeibi, dorso caiinaia el glandulosa, seta gracili palea <<exiui* \x longiore, floie neutro mimmo inguslissimo longe pedicellato umpaleaceo — Hb¹¹⁸ ad Abyssimae agrorum margines et in incultis prope Adoua
- 3 CHL INTERMEDIA A Rich I c p 40? - Annna culm# erecti pedali, foMis lunc<«< lads brevibus plams obtu^ib, maigine subdenticulato -acabiiB liglila brevMfeina *e m< branacea Jimbnaia, vaginis compres^is glabn>, spici& sacpius 3—4 fasciculato-diff¹¹¹ sesquiuncialibus, rliaclo compressa luqueiia, maigine subalaia denticulato-<c<0 br<» spiculis sessilibus alteinia secundis, lepitena< valvula exluioie lanceolate^{acugS} car mala, in doi^o scabia, Aosculos fere aequante et supenoiem dupio superante, ^ ns hermaphioditi basi seue piloium cincii palea extenore inieiiorem florenaque¹¹² trum involvenle, dorso cerinata scabra, in pahe superioie cilus destitute, nll<«< Pa< learn quadruplo supeiante — Habitat in Abyssimae tampis et aivis pro<»¹¹⁸ Chire

4. CIL. MACROSTACHYA Uochsi. rasp. e* A. Rich. I. c. p. 4#. -r- Culmo freeio atricto in'iadali glabro; foliis Janceolatis acutis glabris, margina retrorsum scabris; ligula menibrnnaea oblonga; vaginis glabris; spica unjca terminal! secqndjflora, 6—8 uncias longa; axi triquetro glabriusculo; spiculis sessilibus trifloris oblongo.lanceolalis; lepiceae valvula exteriore lanceolate aculissima, dorfo carinaia glnhra, interiore longiore et paulolntiore, apico sensinTin scinm gracilem breviorer dosinente; flore inferiore herm.ilibrofljio seasili, medio masculQ slipiatP, supremo, qeqlro min^mo stfpitato, omnibus bnsi piJis cinclis aristaiis; Ooris bermaphrodhj paloa eiteriore Uneoolata uninervia asPeia, apice alto bill da, arista «ubulata denticulata - aspera, pnleaq duplo superante. — Hobitu in Abyssjtine rnpibiis vallis Mai-Mezano districtus Tchelatcheronno.
5. CIL. TRIANGULATA florhst. mss. ex A. nidi. I. c. 409. — Annu: culmo ahaai ramoso, vix pedoli; foliis linearibus angustissimis glaucis, margine denticulato - scabris, versus paricm inferiorcm ciliaris; ligula membranacea brevi obtusa; voginis compressis Inxis glnbris; spica terminal! hrevl, e vagina folii aupremi erumpente, unam unciam longn vel paulo longiore, secundiflora; rhachi triquetra compressa flexuosa denticulato-scabrd; spiculis aUornis breysaime stipitatie triflorjs; floribus omnibus aristat>s; Icpiceneae valvulis subaequalibus, dorso uninerviis subscabris membranaeis acutis; loribus duobus inferioribus sessilibus, prlis sericeis basi clnctis; palea extejore sub-, 'nllnta, apice truncata trinervia bilpba, lohis latis obtusis, nervo medio sericeo et in mistam vix palea triplo longiore) abeunte. — Habitat in Abyssinia valle Mai. Ouid provinciae Medat.
6. CML. BRKVISETA Bntlj. in Hooker, Niger Flora p.566. f-r- Culmo ramoso cooppresso vaginique glabris; foliia planis subpi|osis; spids 7—UdigiUtis' giuma superior* nervo inucronato flosculum hfmaphroditum dimidiaio - obovatum ad carinam margineque ciliarum aequame, neutris binis, inferiorie truncato setigero superiorem muticum pinnutum includente; setis flosculorum tenuisslmis brevibus. — Habitat in Africa tropica occidental!
7. CHL. SCLERANTHA Lindl. in Mitchell, Journal of tropic. Austr. p. 31. adn. — Culmo siricto; foJiis pianis glnbris laclu scabris; spicis 4—7 strictis; spiculis bifloris, flore ulroque breviaristnto canjlagineo truncato trinervi glabro, supremo slerili vacuo. — Crescit in Australia orientali tropica.
8. rHL. ACICULARIS Lindl. in Mitchell). c. 33. adn. — Culmo stricto; foliis involulis ^aliris, tactu scabris; spicis 8—9 subaculis, spiculis bifloris; flore utroque setaceo i>'istaio, supremo sicrili angustissimo; paleis dor«o scabris, — Crescit in Australia orientali iropica.

839A. CTBIITOPSIS De Notrs.

(Noiaris, Ann. des sc. nat. [3. Se'r.] IX. p. 324.)

Miachis continua simplex, dorso convexiuscula, facie duplici ordine P^alle excavato-dentata. denlibus patulis calloso-rotundalis alternan-
 fPUs» apice locusta solitaria vel binis abortivis terminata; locustae
 Vjseriales secundae ^essiles 5—6-Horae, flosculo supremo plerumque
 i:co nip]eto alternatim superimpositae. Fiosculi rcmoliusculi. Gluma
 vaivis carlilaginea, valvae suboppositae, inferior simiilque interior unius-
 Jusque locustarum serii squamiformis canaliculata obtusa, supe-
 riore vel exteriore canaliculata uninervi acuta.mulloties brevior, sub-
 fer-e minima dentiformis vel obsoleta. Glumclla bipaleacea. Palea in-
 rior cartilaginea panaliculata .trinervis acula, nervo medio excurrente

mucronata, vel breviter setigera, superior membranacea binervis, apice bidentata Paleolae binae membranaceae ovato-cuspidatae minimae. Stamina tna. Antherae linean-oblongae Stigmata duo plumosa Caryopsis linean-oblonga, sulco exarata, maturitate glumellae palea inferiore arete involuta

i CT PEGTINELLA De Notrs 1 c p 325 — Gramen tenellum annuum monostachyum — A *Leptochloa* glumae valvulis inaequalibus haud carinatis nee amplexeniibus, palea superiore baud anstata, spica simplici nee ramosa abunde diversum — Crescit in Africa boreali

840. LEPTOCHLOA *Pahs.*

(Knth Enumer I 268, Suppl 218)

- 1 L UNIFLORA Hochst mss ex A Richard, Tent flor Abyss II 409 — Culmo erecto pedali, foliis late lanceolatis acutis mollibus glabris, ligula membranacea brevissima deniiculata, vaginis glabris, spicis linearibus gracilibus longis, paniculam terminalem elTormaniibus, spiculis subbifloris alternis secundis sessilibus, lepicenae valvulis aequilongis Inneohitis acutis, doiso carinatis denticulato-scabris, floris hermaphroditi paleis lepicena brevibus mulicis glabris . — Habitat in Abyssinae valle fluvii Tacazze
- 2 *L FASGIGULARIS A Gray, Manual of the bot of the North United States 588. — *Festuca fasciculans* Lam — *Leptochloa polystachya* Knth I c 271 no 14

841. EHLECSOTC *Grtnr.*

(Knth. Enumer. I 272, Suppl 224)

- 1 E MULTIFLORA Hochst mss in A Rich Tent flor Abyss II 412. — Annuua culm⁰ pedali, foliis linearibus angustis longissimis glabris laevibus, ligula membranacea **flm-**bnnta, vaginis glabris, spicis brevibus crassis 4—6 alternis, inferius distinctis, s^{ttt}peuonibus approximato-congestis sessilibus, rhachi complanata, hinc et illuc a^{laia}» ahs grosse et distanter dentatis, spiculis numerosissimis sessilibus congestis comp^{reS}» sis 5—6—10-floris, lepicenae valvulae exteriori breviori et angustiore lanceolata acuj^{*>} doiso caninato-alata, canna scabra, caeterum glabra, florum palea extenore valvula longiore, caninata acuta, canna acuta denticulato-scabra — Habitat in Abyssin^{*>} provincia Chire
- 2 *h* CAESPITOSA A Richard 1 c p 412 — Caudice horizontali inflato mcrassato, f⁰ Ins vaginisque dense senceis oblecto, radicis fibris terebibus crassiusculis **seric**^{fl8}» culmis erecitis am repenu-stolonifens \iv pedibus, foliis nteims aut ad nodos congestis lanceolatis glaucis, brevibus rigidiusculis margine denticulato-scabris, W^{la} brevissima membranacea sericea, >aginis compressis glabris, spicis» 3—4 fascicul^{ate} digitalis gracilibus angustis acutis distantifloris, rhachi Imeari scabra subflexuosa, B^{psi} cultis alternis subdistinctis brevissime stipitidis compie«sis, saepius trifloris, topic[»] >alvulae extenore angusta obtusa breviori caninata scabra, intenore longiore a^u cannaia scabra, florum palea extenore apice acuta, inferius subbiflida brevi^{*>} mucronata scabra — Habitat in Abyssinae regione arenosa Choho

843. CTESTHJII Panz.

(Knth. Enumer. I. 274, Suppl. 225.)

1. CT. CANESCENS Benth. in Hooker, Niger Flora p. 566. f — Spicis 2—3-nis; spiculis 4-floris; flore infimo neutro unipaleaceo, caeteris bipaleaceis, quorum alter neuter vel masculus, tertius foemineus vel hermaphroditus, sumraus masculus; gluma superiore canescenti - hirtella binervi, costis in aristas productis, allera ex apice excurrente, altera a medio dorso divaricata. — Habitat in Africa ipopica occidentali.

845/1. SCFLR ELIINGIA Steudel.

(Steudel, Flora [Allgem. bot. Zeit.] XXXIII. 231. tab. 1.)

Spica racemosa secunda, spicula in pedicello communi 2—3-fido
 *--3-flora; flos intermedius hermaphroditus. laterales neutri; herma-
 Phroditi glumae subaequales cuneatae apice truncatae ciliolatae, ex Dervo
 medio unico obscuro brevissime acumroatae membraceae pellucidae;
 valvulae 2 subaequales subconnatae apice bifidae 2-, raro 3- aristulatae,
 aristae vix valvulae longitudine, Jacinulae tenuissime pellucidae; sta-
 mina 3; stylus....?; ovarium_____? Flores neutri minores; glurae illis
 flosculi fertilis similes; valvulae muticae.

- * SCH. TENERA Steud. 1. c. p. 232. tab. 1. — Radix fibrosa tenuis caespitifera; culmi geniculati simplices foliati tenues (3—7-pollicares), cum nodis vaginis foliisque glabri; folia angustissima plana lineari-lanceolata (V—W longa, »/2—%''' lata); ligula subexserta lacera; flores in racemis terminalibus solitariis (1—2-pollicaribus) secundi, in-incidentes pedicello communi basi villosi mox 2-, rarius 3-fldo. — Habitat in

846. SPJJfcttlpA Schreb.

(Knth. Enumer. I. 277, Suppl. 232.)

1. ^{SI>}VERSICOLOR Fabre, Anq. sc. natur. (3. S<ir.) XIII. 123. tab. 3. - Caules (culmi)abri laevigati, repentes, prostrati, ascenientes v. erecti alternating e rhizomate longo
 ePente enati, subcylindrici flstulosi straminei, 4—8 millim. diametro tenenles. Inter-
 nodia brevia 10—20 millim. distantia, nodis parum prominulis separata, vaginis striatis
 fu scis obtusis involutis, saepe plura internodia vaginamibus. Ex hisce nodis gignuntur
 culmi et radices. Radices repentes et prostratae, rhizomati simillimae, a quibus non
 dj(r erunl, nisi posicione sua subtenanea (11), iuternodiorum longitudine(11) vaginarum-
 qu long. & tudine (! i) Radices saepe inetrales. Culmorum ascendentium v. rectorum al-
 lit o COns,deral> ilis, culmi saepius caespitiosi, simplices glabri, per totam longitudinem
 nar coS; i * lorum vaginae albo-sriatellae v. albo-radialulae, limbus 5 dcm. longus ca-
 glab cu.at (US) bas; 5 ~ 6 millim< lqlus> P^a^ina superiore eximie albo-striatus, iufiore
 folii ^r^ v iri(;; jis v. purpurascens, margine basin versos parce piligero; ligulaeloco, ubi
 r <m l^8 Incipit| ulrin que fasciculus v. series piloruin senceorum conspicitur, folio-
 limbus subcylindricae v. conice convolutus, acutus nee unquam pungens. Flo-

rum spicae 3 v saepius 5 racemum laxum teiminalcm effliunt, nonnumquam ses-
siles v saepius pedicello (5—6 millim longo) suffultae, pedicellus spicae terminalis
saepe 4 - ceninmetralis Spicarum longitudo 4—6-, saepius 5 - centmeirtih* Spicae
simplices bisenaiae, e spiculis umlaieialibus <essilibus arcte jmbucati^, unifleri*, com-
pressis purpureo-violmcentibus, demum albidis compositae lhachis compressa leviter
hinc inde Hexa Flores sessiles imberbes Gluma uniflora inaequalitei bivalvis, valva
bievion hneau 4 millim longa, longiou 8 roillim longa carmata, utraque nervo dor-
sali percursa serrulato - dentata prominentus quibusdam subulatis versus glumae api-
cem con\ergentibus, apex nee nstatus neque pungent Coiollae glumaceae valvulae
inaequales oblongae membraruiceae pellucidae, summo apice roseae, filamenta tna pur-
purascenitn antheiasque graciles lineares includunt' Ovarium glabrum ovali-oblongum,
stilus hi fid u'' stigmata plunAo - sericea Fructus non visus — Habitat abundanter
in Gallia australi ad litora mans Mediterranei

- 2 SP JI^CIFORMIS Engelm Boston journ V 238 — Humilis (1—2-pedahs) foliis
convolutis nngustis, caulims paucis brevibus, rndicalibus caespitosis culm um subae-
quantibus, spicis 8—10 oblongis sessilibus ad rhachm laeviusculam adpiessis, canna
glumarum longitudjne subaequahum paleaeque inferions ciliato - hispida — In repu-
blica Texensi

t Icon Addenda.

SP FYNOSUROIDES Willd - Knth 1 c 278 no 5 - Toir Flor of Ne* York H 448
tab 153

Tribus IX. AVENACEAE Knth. 1 c 286

856A. ACRITHERUM HochU

(Hochst in A Richard, Tent flor Abyss II 417 lab 100)

Flores paniculati, spiculae biflorae, flos interior masculus aut
neutei, suponoii hermaphroditus. Lepicenae valvae ftosculos aequantes
membranaceae, exterior ovah-actfla tneivia, superior longior, apic^e
Jonge acummata tneivia, flons infenons palea extenor menibranacea
ovah-acuta mutica tunervia, interior oblonga tenuissima, flons h^et'
maphiodih palca c\tenor subtenuis, basi piJis brevibus setaceis cir-
cumdala, apice vi\ bifida, in fissura teimimah anstata, arista graciU
palea multoties lon^iore, versus median) porlem subinllexo-geniculaw³

- 1 A PUMILUM Hochst mss ex A Richard I c 414 f tab 100 — Annum °W^{1/10}
erecto simplici gracili \i\ spithmoeo, folio inflmo o\ali snepe olituso cooteris IP^o''
ccolniiis latis ocuis, ligula memhianaron tenui dissnun vnpinis cilmti^, pnmeqln <^
IUHII ininooiRinnn rain is cspillm IIMN alongnlia pilia <| m bun da in tonxpoiHia, «piciil^{IS}
pirvulis — llmbitai in pratis circa Aderbati in Abyssinlno icgno **figro**

857 »£8€HAJ«IP81% Pahs

(Knth Enumer I 286 Suppl 241)

- 1 D LATIFOLIA Hochst m^ in A Rich Tent Dor Abyss If 403 - Peienm? foln<
caospitosis lanceolato - lincanbus ngidis sinatis glabrib, soqbnis ligula membranacc^a

longa lanceolata acuta, paniculae terminans ramis gracilibus capillibus Beranreiiicri-
latis scaberulis, spiculis lanceolatis aculis, dorso canalicatis, flosculos saepe subae-
quantibus, palea inferiore oblongo - elliptica, apice obtuso dissecto - denticulate, dorso
versus pattern inferiorem aristata, arista recta subquadrata florem paulo superante
— Habitat in montibus regionis superius montium Diggen in Abyssinia, 12000 pedes
superius mare

863. *Tripsacum Knuth.*

(Knuth Enumer I 295, Suppl 247 — Mrs ABO I 933)

- ¹ TR PALUSTRE Torr mss (??) ex A Gray, Manual of the bot of the North Unit
Maaies 605 — *Avena palustis* Michx — Knib 1 c 304 no 30
- * TR LACHNANTHUM Hochst mss ex A Richard, Tentam nor. Abyss II 416 — Per-
enne -culmo basi horizontali repente, ramis assurgentibus erectis bipedalibus, folis
linearibus glabris laevibus, ligula oblonga membranacea obtusa suberosa, tagmibus gla-
bribus laevibusque, panicula elongata pauciflora, ramis capillaribus semiverticillatis
scabris, spiculis in floribus oblongis compressis, lepicenae valvulis inaequalibus, extenore
lanceolata acute subcannata brevior et angustior, interiore obovato-lanceolata, flori-
bus subdistans, basi pilis brevibus emeus, rachis communis gracilis pilis longissimis
argenteis senecta, palea extenore lanceolata acutissima convolute, apice bifida, dorso
infra incisuram anastata, arista gracili geminata, basi vix spiraliter contorta paleam
duplo superante, palea interiore plana paulo brevior apice indentate ciliata — Habi-
tat in Abyssiniae montibus provinciae Ouodgerate
- 3 TR LONGICARISTUM A Richard, 1 c p 417 — Culmo erecto bipedale et Ulua, basi
repente, folis late lanceolatis acutissimis glabris scabris, ligula membranacea
longa acuta vaginans glabris, panicula subcylindrica, spiculis lanceolatis compressis
aculis 4-floris, lepicenae valvulis subaequilongis lanceolatis acutissimis, flori-
bus brevibus glabris, flori-
bus distans allernis, omnibus pedicellatis el basi pilis bre-
vibus emeus, palea extenore lanceolata acutissima 9-nevia scabra, apice bifida, laci-
nis lanceolato-uneatis, paulo infra incisuram anastata, arista gracili longissima scabra,
basi non spiraliter contorta, sed apice ciliata obovata confusa — *Sueblochaeta*
nutans Hochst mss — Habitat in montibus provinciae Selfei in
Abyssiniae provincia Scienc

f Icon Addenda.

^TH MOLLt H B. Knuth - Knuth 1 c. 296 no 4 - Torr Flor. of New York II 152
tab 154

864. *AVEXA Linn*

(Knuth Enumer I 296 Suppl 258 — Wlprs Ann I 933)

- ¹ ^A *{Euavena}* BYZANTINA C Koch, Linnæa XXI 3B2 t — (Habermma spiculae
Wagnerae binorae, basis Hirsuli inferioris pilis quam pilis nostris partem atten-
dentibus oblonga, superius nuda, Usculi aristati glabri laeviusculi, palea inferior bi-
fidus, aristae pars inferior torulosa*, glabra laevis -> *A wittvae* L similis, — Crescit
Clarea Constanunopolim inter segetes.

2. A TRIGHOPHYLLA G Koch 1 c 393 — Folia radicalia angusta, exacte lineana, pectinato-ciliata, caeterum ut folia caulina laeviora hirsutiuscula, vaginæ hirsutae, spiculae biflorae, glumæ 9-nerves oblongo-lanceolatae, duple et ultra longiores ac laeviores, flosculi ochracei, denique nigrescentes, palea inferior bifida (nec bifida), rami paniculae inferi terni aut quaterni, utrinque, rarisime bispiculati — Africa A. sativae — Crescit in plantis Schirwan, in Oriente boreali
- 3 A SCMPERVIRENS Vill — Knth 1 c 301 no 12 — De Notis Ann des sc nat (3 Stir) IX p 321 — Folia convoluta, ligula brevi truncata ciliata, locustis 3-4-flores, flosculo supero abortivo, infero supra medium anastato, caeterum muticis I axi affixis barbato, glumæ valvulis inaequalibus acuminatis, supero tinnervi flosculos subaequantem, palea infero 4-nervi inferius septemnerve scabra, apice membranacea, breviter bifida, lacinus, nervis dorsalibus excurrentibus, brevissime seligens; paleolis elongatis oblongo-linearibus — Crescit in monte Cenisio.
- 4 A FALLAX R ft Schult Syst II 692 — De Notis 1 c, p 321 — Folia junibus convolute, culmorum florentium convoluta explanatisque, facie sinuata scabra, ligula inaequalis demata, sub lente pubescente, utrinque in aunculam saepe producta, locustis trifloris, flosculis anastatis, supremo abortivo, axi barbato, glumæ valvulis inaequalibus acuminatis, superiore tinnervi flosculos aequante, palea infero flosculi inferioris 7-nervi, sub lente minute punctata, apice membranacea bifida, lacinus, nervis dorsalibus excurrentibus, breviter seligens, paleolis lanceolato-acuminatis — Crescit in pascuis montium di Frontero, Bnga, Garlin Ligur occid
- 5 A CONVOLUTA Prsl — De Nolans I c p 322 — Folia complicata-setaceis, ligula brevissima ciliata, locustis quadris, flosculis omnibus anastatis, supremo abortivo, axi piloso, glumæ valvulis inaequalibus acuminatis, superiore tinnervi, flosculos subaequantem, palea infero flosculi inferioris scabra septemnerve, ex apice membranacea obtusata vel attenuata, nervis dorsalibus excurrentibus bicuspidato-setigeris, paleolis linearibus elongatis — Crescit in montibus Siciliae
- 6 A SETAGEA Vill — Knth 1 c 300 no 2. — De Nolans I c 322 — Folia convoluta strictis rigidis, culmum aequantibus superantibusque, ligula subnulla, panicula stricta pauciflora, locustis trifloris, flosculis omnibus anastatis, supremo plerumque pubescente, axi piloso, glumæ valvulis inaequalibus, infero uninervi acuta, supero tinnervi acuminata flosculos aequante, palea infero flosculi inferioris quinquenervi apice profunde bifida, segmentis membranaceis, nervis dorsalibus excurrentibus acuminato-cuspidatis; paleolis ovato-acutatis. — Crescit in Delphinatu
- 7 A SEDKENSIS DG Fl Franc III 719 — De Nolans 1 c 322 — Folia junibus complicata, senis explanatis vaginisque sub lente puberulis glabrisque, ligula brevi truncata nuda, locustis 2- vel 3-flores, flosculis omnibus anastatis, supremo labescente, axi piloso, glumæ valvulis inaequalibus subacutis, superiore tinnervi flosculos subaequantem palea infero flosculi inferioris punctato-scabra septemnerve, apice membranacea obtusa plicatula integra vel breviter bifida, segmentis obtusis, nervis omnibus ante apicem evanidis, paleolis linearibus — Crescit in Pyrenaeis
8. *A PUDESCENS Linn — Knth I c 300 no 5 — var (* *Apennum* Prosp Fl Ligur. 49 — De Nolans I c — Ob glumæ valvulas trinervas et reliquos characteres ad *A. amethystinam* Fl Germ et Helv Kochn spectat *Avena veio pubescens* glumæ valvulis uninervis, secundum characteres ab ipso auctore I c exhibitos, in ditione nostra nusquam desideratur Specimina, quae sub hoc nomine ex Alpibus Pedemontanis «t *Apennum* Ligustico venerunt, quaeque *Avenam pubescentem* Florae Italicae sistunt, praeferebant glumæ valvulam inferiorem uninerviam, superiorem tinnerviam, et novo fors nomine donanda erunt
- 9 A PURPURASCENS DC Cat hort Monsp 82 - De Nolans 1 c 233 - Abi *flavescentis* differt non solum locustis violaceo-auralis nitidis, sed insuper axi longius *copiosius*

barbato, palea inferiore flosculi inferioris margine superne denticulata, cuspidibus ejuadem brevioribus, paleolis ciliatis ovarioque villosa, quod charactere autem *Triselum* in *Avenam* iterum redire videtur. — *A. flavescens variegata* Gaud. PL Helv. 1. 337.

10. A. MYRIANTHA Bertol. Flor. Ital. 1722.— DeNotaris l.c. 323.— Variat palea inferiore glabra et puberula, saepe in eodem exemplari, et insuper palea ipsa duplici sub aspectu sibi prodit, pro plantae aetate, ita ut primo ad spectum binas fere mentiatui species. In nonnullis speciminibus palea inferior tub anthesi brevior evadit, apice bidentata, in flosculis maturis angustior, apice magis minusve conspicue bisetosa.
- H. A. A9YSSINIGA Hochst. mss. ex A. Richard, Tent. nor. Abyss. II. 415. — Annuum : culmo erecto bipedali; foliis glabris basi subciliatis, glabris; panicula pyramidata; spiculis glabris bifloris; lepicenae valvulis lamellis acutissimis, flosculos superantibus; palea exteriori nuda glabra apice bifida; arista robusta e medio dorso, in parte inferiore tortili, geniculata subulata. — Habitat in Abyssiniae agraria intermixta cum messibus.

t Specie! nova mihi proving Incognita*

AMBIGUA Schftnheit, Tschnbch. dr. Flora von Thüriogen p....7 (1850. Rudolstadt 8.)

866. TRISTACHYA *N. ab E.*

(Knth. Enumer. I. 306, Suppl. 259. — Wlprs. Annal. I. 935.)

- ¹ TR. ARUNDINACEA Hochst. mss. ex A. Richard, Tentam. flor. Abyss. 11.417. — Culmo erecto tripedali; foliis lanceolato-linearibus scabris glaucis; ligula pilosa vaginisque ciliatis; panicula elongata, ramis erectis appressis verticillatis; spiculis elongatis subulatis colore brunneis billois; lepicenae valvula exteriori flosculis dimidio brevior, apice obliquo denticulato, interiore lanceolata flosculos aequante, eos involvente, apice truncato-denticulata; floris inferioris sessilibus masculi palea inferiore lanceolata mulca, valvulam inferiorem omnino referente; floris hermaphroditi superioris pedicellati palea exteriori lanceolata nervosa pilosa, apice bifida et ex incisura aristam robustam longam spiraliter contortam emittente. — Habitat in Abyssiniae regione Guendepa.
- ² TR. ELEGANS A. Richard l. c. 418. — Culmo erecto bipedali, nodis sericis; foliis scabris ciliatis; ligula annulari pilosa; vaginis atriatia tuberculato-pilosis; panicula ^{et} usque, ramis capillaribus semiverticillatis scabris; spiculis numerosis oblongo-linearibus acutis, colore brunneis; lepicenae valvula exteriori dimidio brevior, carinata acutiuscula, dorso pilosa, pilis basi tuberculatis, interiore duplo longiore, apice longe [&] nguatato involvente, dorso tuberculato-piloso; flore masculo sessili mutico; floris hermaphroditi breviter pedicellati palea exteriori pubenti-sericea, apice bifida et uristata; arista contorta geniculata longissima. — *Loudetia elegant* Hochst. mss. — Habitat in ^cacumine et latere meridionali montia Selleuda juxta Adoua in Abyssinia.

871. DAHTHOWIA DC.

(Knth. Enumer. I. 311, Suppl. 265. — Wlprs. Annal. I. 935.)

- ¹ D. RANDIFLORA Hochst. mss. ex A. Richard, Tent. fl. Abyss. II. 418. — Perennis; foliis longissimis culmum superantibus angustissimis acutis glabris glaucis; ligula

- 6 P (*Enneapogon*) BRACHYSTACHYUM Jaub ft Spach I c. 365 et Illustr pi oriental tab 324 — Planta pusilla caespitosa, individuis hebetatis *Koelenae villosae* similis, uti Mdetur annua Radix fibrosa Caulcs 7a—1% poll longl conferli geniculau diffusi tereteg. stnatpli lae\igati simplices foliosi, pube brevi patente copiosa subcanescenies (pilis aliis setaceu, aliis apice clavato- aut globoso-incrassaus), nodi crassiusculi lanuloso-barbulali, internodia breviter exsertavel inclusa, articulus summus erectus, caulibus vegetationbus subpollicans Folia smili modo ac enu'es incano-villosula simulque scabia (sub lente papillulosa et ad nervos aculeolata), crassiuscula glauca nervosa involuta fliformia obtusiuscula, pleraque subfalcaR, radiralia distiche conerta brevia, caulina 5—9 lineas longa Vaginae nervosae cihatae papillulosae (sub lente), dorso viJloaulae, facie glabrae, oie barbulatae Vaginae foliorum radicalium submembranaeae concavae subovaiae, distiche imbncatae Vaginae foliorum caulinarum herbaceae involutae, summae magis minusve ventncosae Ligula obsolete Pamcula 5—7 tineas longa, spicaeformis coactata ovalis etoblonga, obtusa subteres erecia term nalis multispiculata, florum aristis setulosa Ramilluli erecti breves maequales fliformes subfasciculanti (2—3) vel sohtarn, spiculas 1—4 gerentes Rhachis conlinua substncta flifoimis villosula Spiculae breviter pedicellatae conformes tnflorae teretiusculae, plunfanam imbncatae minutae albido-straruineoe, quasi papposae, praeffloratione linean-lanceolatae Floies ad rhachillam fliformem flexuosam puberulam alterm distichi, infei tores sessilos, teimmalis slipitatus tabscens Flos mflmus major bipaleaceus heimaphrodilus triandrus, solus perfectus Flos proximo sequens paulo minor flore inflnio, neuter, umpaleaceus (vel palea mterna abortive instructus) Flos summus item umpaleaceus et neutei minimus Gluma bivalvis, persistens Hore perfecto paulo bievior Valvae ilternae membrianaeae semi-pellucidae, stramineo-albidae, 5-vel 6-nerviae (nervis subaequalibus, flifloruibus, lateralibus jam infra valvae medium o vane seen ubus, neivo medio paulo ante valvae apirem evamdo), naviculaies, nervo medio cnnulatae innequilongAe subconformes, ovaies vel oblongae, obtuse emaiginatae muticae exanstatae, dorso laxe pilosellae, nervo carinah sub lente aculeolato, facie glabrae Valva eiterua circiter 1 lineam longa Valva mterna externa paulo longior (circiter */§) et plerumque subtiienle angustior Glumellae paleae ^flore peifecto) maequales dissimiles persistentes tuna cum ibachilla fruciifera floribusque neutris delobentes) Palea exteina major chartacea crassiuscula opaca slraminea subtubuloso-inflexa, ecannata elliptica 9-nervia (nervis paral'elis subaequalibus fliformibus, apice mcrassatis), apice 9-flda (lacinnis dentiformibus, in annuitant productis) vel vatione 6—8 -flda, dorso a basi ad medium feie usque dense setoso-hirsuta, reliquo glabra, facie juxta apicem breviter barbata, caeterum glabra, adjectis anstulis circiter 2 Jin longa Anstulae rectae vel subarcuatae, magis minusve diveigentes, slramineae maequales (plerumque 5 inter se subaequales, palea ipsa subdiraidio longiores, anstulis interposals brevionbus subsemel longiores), setaceo-subulatae plamusculae, a basi ad medium vel paulo altius usque bieviter plumosae, mde ad apicem ciholatae. Palea externa floris neutims infenons oonformis paleae exteinae floris perfecti at subinente minor, saepe 6—8-anstulata Palea floris labescentis minima, tn- vel biflda Palea mterna (floris perfecti) paulo brevior palea externa (hujus anstulis praeiermissis) membranacea hyalina linean-oblonga retusa mutica exanstata cannato-binervia (cannatis immargmatis, dorso obtusis ciliolatis), Intenbus inde a nervis inflexa, marginibus ciliata, dorso ad paries mflexas puberula, reliquo glabra, basi angustal9 Squamulae bypogyne mimie glabemmae carnosae persi»tenles cuneilormes apice truncato vel rotundato haud raio irregulariter retusae Antherae minimae, cordato elliptica«i obtuse emarginatae Pistillum sub anibesi non exammalum Caryopsis minima (Vs lineam longa) inadhaerens, inclusa, palea interne bievior oblonga obtusa subtere* brunnea laevigata glabernma stipitulata, plerumque stigmatum reliquus bimucronalalaa facie supia basin foveola minuta notata esulca Embijo penspermio paulo **breviter**, wircumscriptione oblongus, — Habitat in Arabia fehci

832. ECHIHTARIA *Dsf.*

(Knth. Enumer. I. 256, Suppl. 201.)

1. E. PUMILA Willk. JD Schlehtd. Dot. Ztng. VI. 415. — Caespitosa: calmis i-2-pollicaribus foliosis; spicis capitatis paucifloris inter folia fere occulis; cristis glumarum patulo-reflexis iis *C. capitatae* brevioribus rfgidioribusque. — Habitat in Hispania in regionc alpina montis Sierra de Yunquera.

832/1a WIIHSHLIISIA *C. Koch.*

(G. Koch, Linnaea XXI. 400.)

Thyrus; spiculae 4—5-florae, a latere planae. Glumae villosae inaequales, inferior angustior minor lanceolata uni-, superior trinervis. Flosculi 2 inferiores fertiles; palea eorum inferior villosa, ex apice breviter bifida aristata; palea superior linearis bifida, lobis aristiformibus; germen anguste oblongum; stylus erectus, stigmatibus pilosis; flosculi « vel 3 superiores structura dura, plerumque unipalacei, eorum palea Slabra, apice recurva, breviter aristata aut mutica.

- * W. GAUGASIGA G. Koch 1. c. + — Annuæ: folia brevia lanceolata pilosa; thyrsi rami brevissimi, 1—2-spiculati, paene spicam referentes. — Crescit in Grusia.

Tribus Vfl. CHLORIDEAE Knth. 1. c. 258.

834. MICROCHIOA *R. Br.*

(Knth. Enumer. 1.258, Suppl. 201.)

- * M. ABTSSINICA Hochst. msa. ex A. Richard, Tent. nor. Abyss. If. 404. — Perennis: culm. caespitosis erecii spithamaeis; foliis basi confertis linearibus subcanaliculatis obtusis glaucis pilosis; ligula brevissima elliaia; spica terminali lineari longissima secundiflora incurva violacea; rhachi triquetra, angulis internis ciliatis; spiculis sessilibus; lepicenae valvulis lanceolatis acutis subaequalibus, exteriore axi applicata et inde superiore; glumae paleis inaequalibus acutis muticis, superiore dense sericea longiore. Habitat in Abyssinia monlosis provinciae Ghire.
2. M. OBTUSIFLORA Bnth. mss. in Hooker, Niger Flora p. 565. f — Foliis brevibus involuto-filiformibus; glumis obtusiusculis; paleis dorso longiuscule pilosis. — Crescu >Q momibus Quorra, prope Patteh in Nigritia.

836. CYSTODOST *Rich.*

(Knth. Enumer. 1.259, Suppl. 203.)

1. C. TERNATDS A* Richard, Tent. flor. Aby. H. *5. " * Annuus: culmo erecto pal- ni &ri> basi & eD;cu; & to; foliis lanceolatis brevibus pubentibus; ligula membranacea

tiuntata, vaginis pubeniibus, spicis 2—3 terminalibus digitalis gracilibus, spiculis secundis alierms brevitei pedicellutis tomenielhs, lepicenae valvulæ exteriore elliptica oblonga phna striaia tomentosa, inieiore laliore longioieque, paleis glabns laeibus — *Panicum tuncdum* Hochst mss — Habitat in aivis Ahssinne prope Adouj

837 BAETIYI«OET£]irIU]II Willd.

(Kntii Enumer I 261, Sup pi 204)

- 1 D FIGARE1 DP Notrs Ann des st natur (3 S£i) IX p 325 + — Spins digitalis, bims, terms qnaieinlsve, locustis blserfalihus secAiridis cohtlguis tnfloris, flosculo supenoie plerumque chartnceis, paJeaum mfenore ex apice allenuato miiuoiian iigi-diuscula — Habitat in Aegypto

839 CHliOBIS Swttz

(Knth Lnumer. I 26S, Suppl 206)

- 1 fill ADYSSIMCA Hochst mss ex A Richaid, Tenl flor Abyssin II 406 — fulmo eretio 2—3-pedali basi getiicnlato et subrepenie, folns glbns linearibii", retroisutn scibns, ligula pilo<a, \Rgini9 glbns laevfbu«que, spicts digrtatis numerosis 8—20f 2—3-uncialibus giuilibus socundiflons, lhachi pubenti cihita, spiculis compres3i> 3i Doris oblongo-acutis sfs<;ilibus, lepicenae valvuli^ aequilongH lanceolalis caimans «f^d bns, floic infenoie beimaphrodito anstato, (lore medio masculo, supicino neuti^o) omnibus aifsiaii palea cxtenoie flons hermnplmxhti calinald, ex «Hcc bifldo ai istat^f» margine dense <eioso-ciliaiu, ausia vix palenm acquanlc — Habitat in Ab\ssima P^ro^d Adoua
- 2 CHL LLPTOSTACHYA Hochsl nrss ev A Rich I c p 40? - Aniuua culmo a W^f ramoo gpmculalo eieclo pedali, folli^ lanceolato -linearibus acuiis ghbns, margnd retroisnm donticulato scobns, ligula bievissima membrinicpi flmbrian, vaginis fl^u glabns SMCJS 4—6 digitalis giaritibus se^qaiuncialibus aut biuncialibus, rhachf 870^u uli bine et illinc anguste maiginaia ciliala spiculis sessilibus lanceolato - angustⁱ flons, llonbus longe ansiuis, infeuore heimaplirodiiio, supeiore neutro, lep^o vahula mfeiiioie paulo longioie hinceolala acutd, dorso cannalA et scabra i<f<r^o paulo bievjore subsimili, (Ions bermaphiodili basi seiie piloiium Iwevi tincli pale* e^f leuoie oblonga bifida imbbibi, dorso taiinata el glardulosa, seta gracilli palea se^u longiore, floie neutro mmimo inguslissimo longe pedicellato umpaleaceo — ^a^u ad AbjASiniaie agrorum margines et in jncuhis prope Adoua
- 3 CHL INTERMEDIA A Rich 1 c p 407 — Anna cultn* èrecu pedali, foKw 122000 lads brevbns planis obiu>i^, maigine subdeniiculato-^cabns llgule brevMtcit*fl branacea hmbnala, vagina compress* glabns, spicia sacpius 3—4 fasciculato-W^f sesquiuncialibuj>, rbachi tompressa tnquetn maigine subalaia denticulato-⁸ spiculis sessilibut* alteinia secundis, lepitena valvula txltuoie lanceolata acuis^u car mala, in doi^o scabia, flosculos fere aequante et supeiioiem duplo superantei ns hermaphioditi basi suie pilorum cincii palea exteriore inieioiem floreinquo trum involvente, dorso ctirinaftt scabi-a, m pttle supenoie cilus desiillua, learn quadriuplo supeiante — Habitat in Abyssiniaie tampis et am> Chire

4. CUL. MACROSTACHYA Hochst. mss. e* A. Rich. I. c. p. 40B. ^ Culmo erecto «ncip
tripedali glabro; foliis lanceolatis acutis glabris, margine retrorsum scabris; ligula
jncmbranacea oblonga; vaginis glabrfs; spica unjca terminal! secqndiflora, 6-8 uncias
'onga; axi triquetro glabriusculo; spicuiis sessilibus trilloris oblongo.lanceolatis; lepi-
ccnae valvula exteriore lanceolate ncuissima, dor\$o carinata glabra, interjore lo'ngiore
etpnulolatiore, apice sensiriTin setam gracilem breviorē desinente; flore inferiore her-
ronphrodiio ses.sili, medio masculo. stipilato, supremo neutro minimo stipitato, omnibus
basi pills cinctis aristotis; floris hermaphroditi pa lea exteriore lanceolate uninervia as-
Pera, apice alte biflda, arista subulate denticulato - aspera, paleam, duplo supraqte. —
Habitat in Abyssmine rnpibiia vallis Mai-Mezano districtus Tchelatcheranne.
5. CUL. TRIANGULATA Hochsr. mss. ex A. Rich. I. c. 409. - Annuā: culmo a hasi ra-
roso, vix pedali; foliis linearibus angustissimis glaucis, margine denticulato-scabris,
Vei' sus partem inferiorem ciliatis; ligula membranacea brevi obtusa; vaginis compres-
s's laxis glabris; spica terminali hrevl, e vagina folii supremi erumpente, unam un-
com longa vel paulo longiore, secundiHora; rhachi triquetra compressa flexuosa den-
t, culato-scabra; spicuiis aUcrnis brevisaimē stipitatis trifloris; floribus omnibus arista-
tis; iepicnae valvulis subaequalibua, dorso uninerviis subscabris membranaceis acutis;
fl oribus duobus inferioribus sessilibus, plis sericeis basi cinctis; palea exteriore sub-
n»ata, apice truncata trinervia biloba, lobis latfs obtusis, nervo medio sericeo et in
jstam vix palea triplo longiorem abeunte. - Habitat in Abyssiniaē valle Mai-Ouid
P'ovinciae Medat.
6. ^L. BREVISETA Bnth. in Hooker, Niger Flora p.566.t_ Culmo ramoso compresso
jagmisque glabris; foliis planis subpilo^s; spicis 7-11 digitalis* glumasuperiors nervo
''''cronato flosculum hprnaphroditum dimidiato - obovatum ad carinam margineque
''liatum aequante, neutris binis, inferiofe truncato setigero superiore mucicūm mi-
''ututu includente; setis flosculum tenuissimis brevibus. — Habitat in Africa tropica
occidentali.
7. f JHL - SCLERANTHA Lindl. in Mitchell, Journal of tropic. Austr. p. 31. adn. — Culmo
st'ictio; foliis planis glabris tactu scabris; spicis 4—7 strictis; spicuiis bifloris, flore
ul'roque breviaristato carljlagineo truncato trinervi glabro, supremo sterili vacuo. —
Crescit in Australia oriental' tropica.
8. CHL. ACICULARIS LindL in Ailche» J. c. ^ adn. — Culmo stricto; foliis involulis
glabris, tactu scabris; spicis 8—9 sul»acutis, spicuiis bifloris; flore utroque setaceo
jstato, supremo sterili angustissimoj paleis dor^o scabris, — Crescit in Australia
un'entali tropica.

839/j. CTESITFOPSIS *he Notra.*

(Notaris, Ann. des sc. nat. [3. Se'r.] IX. p. 324.)

Rhachis conl inua simplex, dorso convexiuscula, facie duplici ordine
pjirali «cavalo-dentata, denlibus patulis calloso-rotundalis alternan-
tibUs. Pie locusta soilitaria vel binis abortivis terminata; locustae
biSerj, a, s. secundae sessiles 5—6-florae, flosculo supremo plerumque
tocomm' alternatim superimpositae. FJosculi rcmoliusculi. Gluma
biv, advi, r. e. o. Si'ea, valvae suboppositae, inferior simnlque interior unius-
Cujun' uq' .ocustaru' m seriei squamaeformis canaliculata obtusa, supe-
riore ve, exte^ore canaliculata uninervi acuta.mulloties brevior, sub-
inde m. Inj^a ?enlif ormis vel obsoleta. Glumclla bipaleacea. Paiea in-
ferior cartiaginea panaliculata trinervis acula, nervo medio excurrente

mucronata, vel breviter setigera, superior membranacea binervis, apice bidentata Paleolae binae membranaceae ovafo-cuspidatae mmimae. Stamina tria. Antherae Imean-oblongae Stigmata duo plumosa Caryopsis linear-oblonga, sulco exarata, matuntate glumellae palea mfenore arete involuta.

- 1 CT PECTINELLA De Notts 1 c p 325 — Gram en tenellum annuum monostachvum — A *Leptochloa* glumae vaivulis inaequalibus baud carmatis nee amplecteniibus, palea supenon haud anstata, spica simplici nee ramosa abeunde duersum — Crescit in Africa boreali

840. IIEPTOCHI^OA *Palis.*

(Knth Enumer I 268, Suppl 216)

- 1 L UNFIORA Hochst mss ex A Richard, Tent flor Abyss II 409 — Gulmo erecto pedali, folns late lanceolatis acutis mollibus glabris, ligula membranacen bievisissima denticulata, vaginis glabns, spicis Imeanbus gracilibus longis, pumculam terminalem efformantibus, spiculis subbiflons alierms secundis sessilibus, lepicenae vaivulis aequilongis lanceohtis acutis, doiso carmatis denticulato-scabns, flons hermaphroditi paleis lepicena bevionbus mulicis glabris — Habitat in Abyssiniae valle fluvu Tacazze
- 2 *L FASCICULARIS A Gray, Manual of the bot of the North United Staates 588. — *Festuca fascxculans* Lam — *Leptochloa polystachya* Knth 1 c 271 no 14

841. ELiEUSEtfe *Grtnr.*

(Knth.Enumer.I 272, Suppl 224)

- 1 E MULTIFLORA Hochst mss in A. Rich. Tent flor Abyss II 412. — Annuu culm'' pedali, folns Imeanbus angustis longissimisglabris laevibus, ligula membranacea fl⁰¹, bnata, vaginis glabns, spicis brevibus crassis 4—6 alterms infenonbus distinctis, ^{SU} peuonbus approiimato - congestis sessilibus, rhachi complanala, hine et illinc a^{ata} alis grosse et distanter dentatis, spiculis numerosissimis sessilibus congestis compr⁰⁸, sis 5—6—10-flons*, lepicenae valvula extenore brevior et angusioe lanceolata acuj¹ dorso cannato-alata, carina scabra, caeterum glabra, florum palea extenore valvu¹ longiore, cannata acula, carina acula denticulato - scabra — Habitat in Abyss¹¹⁰ provincia Cinre
- 2 t CALSPITOSA A Richnrd 1 c p 412 — Caudice honzontah inflato mcrossolo, f^{co}* Ins vogimsque dense sonceis obleclo, tadicis flbris icreuhus crassiusculis sericeⁱ*i culmis creclis out roponii - stolorufens vix pedolibus, folns. nltemis aut nd nodos coQ* gealis lanceolatis glaucis, brevibus ngidiusculis margine donticulato- scabns, li?^{uA} brevissima membianacea sencea, vaginis compressis glabns, spici& 3—4 fasciculate'' digitalis gracilibus angustis aculis distanliflons, rhachi linean scabra subflexuosa, sp¹ CULS alterms subdfstmclis brevissime stipitdtis compic«sis, saepius tnflons, lepicons⁶ valvula exteriore angusia oMusa brevioie cannata scabra, mtenore longiore acut cannata scabra, florum palea extenore apjee acula, infenons subbiflida brevi. ^⁰ mucronata scabra, — Habitat m Abjssiniae regione arenoso Choho

843. CTSHSTIIJ]!! Panz

(Knth fcnmer I 274, Suppl. 225)

- ¹ CT CANESCENb Bnth in Hooker, Niger Floia p 566 + — Spicis 2-3-nis, spiculis 4 fions, floie inflmo neutro umpalceaco, caetens bipaleacois, quorum alter neuter vel masculus, tertius foemmeus vel hermaphi oditus, summus raasculus, gluma sup en ore canescenti - hirtella binervi, costis in anstas productis, allera ex apice excurrente, altera a medio doiso divaricate — Habitat in Africa p>pica occidentali

845A. SCfinE£,LH¥GIJL Steudel.

(Steudel, Flora [Allgem bot Zen] XXXIII 231 tab 1)

- ² Spica racemosa secunda, spicula in pedicello communi 2—3-fido
B W 2 flo ra, flos inlmedius hermaphrodites, laterales neutn, herma-
rnlji 6 Iumae subaequales cuneatae apice truncatae ciholatae, ex nervo
- "eaoi unico obscuro brevissime acuminatae membranaceae pellucidae,
vaivuaie 2 subaequales subconnatae apice bifidae 2-, raro 3-anstulatae,
aristae vix valvulae longitudme, lacinulae tenuissime pellucidae, sta-
Jj*na 3, stylus ...?, ovanum . .? Flores neutn minores, glumae illis
¹¹⁰scuh fertihs similes, valvulae muticae.

- ¹ SCH TENERA Steud 1 c p 232 tab 1 — Radix fibrosa tenuis caespitifera, culmi
geniculati simplices foliati tenues (3—7-polhcares), cum nodis vaginis folisque glabn,
lolia angustissima plana linean-lanceolata (Va—IVa longa, V₂—»₄ lata), ligula sub-
e«erta lacera, flores in racemis terminalibus solitarus (1—2-pollicanbus) secundi, in-
jnsidentea pedicello communi basi villosa mox 2-, ranus 3-fldo — Habitat in
Mexico

846 SPABTÜiA Schteb.

(Kntb Enumer I 277, Suppl 232)

- ¹ SP VFRSICOLOR Fabre, Ann sc natur (3 S^r)XIII 123 tab 3 — Caules (culmi)
glabn laevigati, repentes, prostrati, ascenjentes v erecti allernatim e rbizomate longo
repente enau subcylindnci flstulosi strammei, 4—8 millim diametro tenentes Inter-
nodus & ljevia 10 ~²⁰ millim distantid, nodis parura prominulis separata vaginis stnatis
...⁸ obtusis involulis, saepe plua mleinodia vaginanlibus Ex hisce nodis gignuntur
culmi Ot rnellces Radices repentes et prostrntae, rhizomati simillimae, a quibus non
diffe u^{h1} nisl Posiuone sun subienanea (M), juternodiorum Jonguudine(!) vuginaruin-
que On⁶ ludine (• i) Radices saepe nTetrales Culmorum ascendentium v lectorum al-
fatio Consideral>I, is; i culmi saepius caespitosi simplices glabn per totam longitudinem
nali^{Si} Folt^{rum} vaginae albo-stnatellae v albo-radialulae limbus 5 dem longus ca-
glab^{alUS>} *Jasi ^—6 millim latus, pagina supenoie eximie albo-stnalus, mfeuore
foln v Vlrldis v P^{ur} Purascens, margine basin versus parce piligero, ligulae loco ubi
ruin I⁸⁶ "8 lnci P^{ur} i utnnque fasciculus v senes pilorum senceorum conspicitur, folio-
u⁰¹ d^{us} su^ cjlindnc^s e v conice convoluiuj), acutus ncc unquam pungens Flo-

longa lanceolata acuta; paniculae terminalis ramis gracilibus capillaribus Bemiveriici-latis scaberulis; spiculis lanceolatis aculis, dorso carinatis, flosculos saepius subaequantibus; palea inferiore oblongo - elliptica, apice obtuso dissecto - denticulate, dorso versus partem inferiorem aristata; arista recta subimbricata florem paulo superante. — Habitat inter muscos regionis superioris montis Diggen in Abyssinia, 12000 pedes supra mare.

863. TIUSETUUt *knth.*

(Knih. Enumer. I. 295, Suppl. 247. — Mrs. Ann. 1933.)

- ¹. TR. PALUSTRE Torr. mss. (??) ex A. Gray, Manual of the bot. of the North. Unit. Staates 605. — *A vena palustis* Michx. — Knth. 1. c. 304. no. 30.
- * TR. LACHNANTHUM Hochst. mss. ex A. Richard, Teniam. flor. Abyss. II. 416. — Perenne culmo basi horizontali repente; ramis assurgentibus erectis bipedalibus; foliis linearibus glabris laevibus; ligula oblonga membranacea obtusa suberosa; vaginis glabris laevibusque; panicula elongata pauciflora, ramis capillaribus semiverticillatis scabris; spiculis trifloris oblongis compressis; lepicenae valvelis inaequalibus, exteriori lanceolata acuta subcarinata brevior et angustior, Intere obovato-lanceolata; floribus subdistansibus, basi pilis brevibus cinctis; rachis communi gracili pilis longissimis argenteis sericea; palea exteriori lanceolata aculissima convoluta, apice bifida, dorso infra incisuram aristata; arista gracili geniculata, basi vix spiraliter contorta paleam duplo superante; palea interiori plane paulo brevior apice tridentata ciliata. — Habitat in Abyssiniae monosis provinciae Ouodgerate.
3. TR. LONGIARISTUM A. Richard, 1. c. p. 417. — Culmo erecto bipedal! et ultra, basi repente; foliis late lanceolatis acutissimis glabris scabris; ligula hyalino-membranacea longa acula vaginisque glabris; panicula subcontracta; spiculis lanceolatis compressis acutis 4-floris, lepicenae valvulis subaequilongis lanceolatis acutissimis, floribus dimidio brevioribus glabris; floribus distansibus alternis, omnibus pedicellatis et basi pilis brevibus cinctis, palea exteriori lanceolata aculissima 9-nevia scabra, apice bifida, laciniis lanceolato-linearibus, paulo infra incisuram aristata; arista gracili longissima scabra, basi non spiraliter contorta, sed apice caeteris torsive confusa. — *Sireblochaeta nutans* Hochst. mss. — Habitat in marjjsi rfvuli, in regione media montis Selki in Abyssiniae provincia Semiene.

t Icon addenda.

- ¹ TR. MOLLE H. B. Knih. - Knih. 1. o. 296. oo. 4. - Torr. Flor. of New York II. 152. tab. 154.

864. AVBtf A *Linn.*

(Knth. Enumer. I. 296. Suppl. 253. — Wlprs. Ann. I. 933.)

- ¹. A. *{Euavetia}* BYZANTINA C. Koch, Linnaea XXI. 352. f - Glaberrima: spiculae m^{nae} biflorae; basis Hosculi Inferioris pilis quartam pjusdem Hosculi partem attingentibus obsilata, superioris nuda; Hosculi aristati glabri laeviusculi; palea inferior bifida; aristae pars inferior tortilis, glabra laevis. r- A. *sahvae* L. similia, — Crescit circa ConstanUnopolin inier segetes.

- 2 A TRICHOPHYLLA C Koch 1 c 393 — Folia radicata angusta, exacte linearia, pectinato-ciliata, caeterum ut folia caulina laeviora hirsutiuscula, vaginae hirsutae, spiculae biflorae, glumie 9-nerves oblongo-lanceolatae, duple et ultra longiores ac laeviores, flosculi ochracei, demum nigrescentes, palea inferior bifida (necbianstata), rami paniculae inferi terminati quatermuni-, rami superius bispiculati — Affinis *A satwae* — Crescit in planitie Schirwan, in Oriente boreali
- 3 A SEMPLIVIRGENS Vill — Kuntze 1 c 301 no 12 — De Notis Ann des sc nat (3 Sér) IX p 321 — Foliis convolutis, ligula brevi truncata ciliata, locustis 3—4-floris, flosculo superior! abortivo inferior! supra medium anastato, caeteris muticis! axi affixum barbato, glumae valvulae aequales acuminatae, superior! trinervi flosculos subaequante, palea inferius 7-nervi, nervis dorsilibus excurrentibus, brevissime setigens, paleolis elongatis oblongo-lineariibus — Crescit in monte Cenisio.
- 4 A FALLAX R ft Schult Syst II 692 — De Notis 1 c p 321 — Juncus junonibus convolutis, culmorum florentium convolutis explanatisque, facie siliatis scabris, ligula integra dentata, sub lente pubescente, utrinque in aunculam saepe producta, locustis trifloris flosculis anastatis, supremo abortivo, axi barbato, glumae valvulis aequalibus acuminatis, superiore trinervi flosculos aequante, palea inferius 7-nervi, sub lente minute punctata, apice membranacea bifida, lacinnis, nervis dorsilibus excurrentibus, breviter setigens, paleolis lanceolato-acuminatis — Crescit in pascuis montium di Frontero, Bnga Carlin Ligur occul
- 5 A CONVOLUTA Prsl — De Nolans I c p 322 — Folia complicata-setaceis, ligula brevissima ciliata, locustis quadrifloris, flosculis omnibus anastatis, supremo abortivo, axi piloso, glumie valvulis aequalibus acuminatis, superiore trinervi, flosculos subaequantem, palea inferius flosculi inferius scabra septemnervi, ex apice membranaceo obtusato vel attenuato, nervis dorsalibus excurrentibus bicuspidato-setigero, paleolis linearibus elongatis — Crescit in montosis Siciliae
- 6 A SETACEA Vill — Kuntze 1 c 300 no 2 — De Notans 1 c 322 — Folia convolutis sirictis rigidis, culmum aequantibus superantibusque, ligula subnulla, panicula stricta pauciflora, locustis trifloris, flosculis omnibus anastatis, supremo plerumque pubescente, axi piloso, glumae valvulis aequalibus inferius uninervi acuta, superior! trinervi acuminata flosculos aequante, palea inferius flosculi inferius quinque nervi apice profunde bifida, segmentis membranaceis, nervis dorsalibus excurrentibus acuminato-cuspidatis, paleolis ovato-acuminatis — Crescit in Delphmatu
- 7 A SEDTENSIS DC Fl Franc III 719— De Nolans 1 c 322— Folia junonibus complicatis, seris explanatis vaginisque sub lente puberulis glabrisve, ligula brevi truncata nuda, locustis 2- vel 3-floris, flosculis omnibus anastatis, supremo tabescente, piloso, glumae valvulis aequalibus subacutis, superiore trinervi flosculos subaequantem palea inferius flosculi inferius punctato-scabra septemnervi, apice membranacea orbiculata plicatula integra vel breviter bifida, segmentis obtusis, nervis omnibus ante apicem evanidis, paleolis lineariibus — Crescit in Pyrenaeis
- 8 *A PUBESCENS Linn — Kuntze 1 c 300 no 5 — var P *Apenma* Prosp Fl Ligur 49 — De Nolans 1 c — Ob glumae valvulas trinervas et reliquos characteres ad *amethystinam* Fl Germ et Helv Kochn special *Avena veio pubescens* glumae valvulae uninervis, secundum characteres ab ipso auctore I c exhibitos, in ditione nostra hucusque desideratur Specimina, quae sub hoc nomine ex Alpibus Pedemontanis et Apennino Iugustico venerunt, quaeque *Avenam pubescentem* Florae Italiae sistunt, praebent glumae valvulam inferiorem uninerviam, superiorem trinerviam, et novo nomine donanda erunt
- 9 A PURPURASCENS DC Cat hort Monsp 82 - De Nolans 1 c 233 - Abii flavescens differt non solum locustis violaceo-auratis nitidis, sed superior axi longius copiosius

barbato, palea inferiore flosculi inferioris margine superne denticulate, cuspidibus ejuadem brevioribus, paleolis ciliatis ovarioque villosa, quo characterem autem *Trietern* in *Avenam* iterum redire videtur. — *A. flavescens variegata* Gaud. Fl. Helv. I. 337.

- W. A. MYRIANTHA Bertol. Flor. Ital. 1722.— DeNotaris l.e. 323.— Variat palea inferiore glabra et puberula, saepe in eodem exemplari, et insuper palea ipsa duplici sub aspectu se prodit, pro plantae aetate, ita ut primo ad aspectum binas fere mentiatum*pecies. In nonnullis speciminibus palea inferior sub anthesi brevior evadit, apice bidentata. In flosculis maturis angustior, apice magis minusve conspicue bisetosa.
- M. A. ABYSSINICA Hochst. mss. ex A. Richard, Tent. flor. Abyss. T. 415. — Annua : culmo erecto bipedali; foliis glabris basi subciliatis, lacinis glabris; panícula pyramidata; spiculis glabris bifloris; lepicenae valvulis lanabhalis aculissimis, flosculos superantibus; palea eiteriore nuda glabra apice bifida; arista robusta e medio dorso, in pane inferiore tortili, geniculata subulata. — Habitat in Abyssinia agris intermixta cum messibus.

+ Species nova mhlh promts **Incognito***

- A. AMBIGUA Schönheit, Tschnbch. dr. Flora TOD Tlfuringen p....? (1850. Rudolstadt 8.)

866. TRISTACHYA *N. ab E.*

(Knth. Enumer. I. 308, Suppl. 259. — Wlprs. Annal. I. 935.)

- * TR. ARUNDINACEA Hochst. mss. ex A. Richard, Teniam. flor. Abyss. 11.417. — Culmo erecto tripedali; foliis lanceolato-linearibus scabris glaucis; ligula pilosa vaginisque ciliatis; panícula elongata, ramis erectis appressis verticillatis; spiculis elongatis subulatis colore brunneis bifloris; lepicenae valvulae exterioris flosculis dimidio brevioris, apice obtuso denticulato, interioris lanceolata flosculos aequante, eos involvente, apice truncato-denticulata; floris inferioris sessilibus masculi palea inferiore lanceolata mutica, valvulom inferiorem omnino referente; floris hermaphroditi superioris pedicellati palea exterioris lanceolata nervosa pilosa, apice bifida et ex incisura aristam robustam longam spiraliter contortam emittente. — Habitat in Abyssinia regione Guendepa.
2. TR. ELEGANS A. Richard l. c. 418. — Culmo erecto bipedali, nodis sericeis; foliis scabris ciliatis; ligula annulari pilosa; vaginis striatis tuberculato-pilosis; panícula obtusa, ramis capillaribus semiverticillatis scabris; spiculis numerosis oblongo-unearibus acutis, colore brunneis; lepicenae valvulae exterioris dimidio brevioris, carinata acutiuscula, dorso pilosa, pilis basi tuberculatis, interioris duplo longiore, apice longe involvente, dorso tuberculato-piloso; flore masculino sessili mutico; floris hermaphroditi breviter pedicellati palea exterioris pubenti-sericea, apice bifida et aristata; arista contorta geniculata longissima. — *Loudetia elegant* Hochst. mss. — Habitat in acumine et latere meridionali montis Selleuda juxta Adoua in Abyssinia.

871. BABTTHOftUJL DC.

(Knth. Enumer. I. 311, Suppl. 265. — Wlprs. Annal. I. 935.)

1. D. foijf^{RfNDIF,jORA} Hochst. mss. ex A. Richard, Tent. fl. Abyss. II. 418. — Perennis: HI * lonffte<in>8 culmum superantibus angustissimis acutis glabris glaucis; ligula

- brpvisoma setoqa, vaginis glabns, spici teiminali e spiculis 4—5 dist nctis sessihbus umlaternlibus 4—5-flons, lepicenae valvulis subaequalibus, flosculos superntibus lanceolatis acutissimis dorso cannaiis ghbns, florum palea extenore lanceolata, basi pilis setosis densis cincta, apice usque ad terinm partem biflda, lacimis lanceolatis icnlisimimis, apice quasi in setulam terminatis, dorso pilosa, arista plana basi spirali robusta gemculata subulata, paleis tnplo longiore, palea interna apice biflda aequilonga — Habitat in Abjssinia monte Selki, ad rupes in provincia Semiene
- 2 D EtONGATA Hochst mss ex A Richard I c 419 — Perennis culmo erecto sesquipedah aut bipedali, foliis linearibus angustis acutis glabns laevibus, ligfha membranacea Integra, pamcula^^agita ramosa acuta, ramis capillaubus scabns, spjculis compressis 2—3-floris, lej^pae valvulis inaequalibus lanceolatis acutis cannatis, m carina scabns, extenore brevior et angustiore, palea extenore Innceolata nervosa scabra, fere usque ad medium biQda, lacimis lanceolatis acutis, arista basi robusta plana, spirali subulata scajjra gemculata, paleib duplo longioie — Habitat in regione supenons moiiis Selleuda prope Adoua in Abjssima
- 3 D. ABYSSINICA Hochst mss, ex A Richard 1 c 419 — Perennis culmo erecto pedali aut sesquipedali, foliis linearibus convolutis ngidiusculis, culmum aequaniibus aut superanlibus, glabns laevibus, ligula setosa, vaginis glabus, pimcula effusa ramosa, ram 13 capillanbus scabns, spiculis lanceolatis numerosis tnfloris, lepicenaff valvulis subaequilongi* lanceolatis acutissimis apice subulatis, florum basi pilis sericeis cmctioium palea exteuore longiore lanceolata, apice alte biflda, lacimis seticis subulatis, ansta subulata, paleis inplo longion recta nee gemculata, nee basi spiralter contorta — Habitat in Abtssinia flssuns rupium regionis supenons septentrionalis montis Selleuda prope Adoua
- 4 D SUBULATA A Richaid 1 c p 420 f — Caudice subieiraneo horizontal), culm⁴ folusque caespitosis, culmo MX pedali gracili, foliis ladicalibus numerosis erects involuto-subulatis longiusculis ghbns, ligula annulan pilosa, vaginis glabns laevibusque, pamculd spicaeformi pauciflora, spiculis 4-florid, lepicenae valvulis parum m aequalibus lanceolatis glabns acutis, palea infenoie membranacea nervosa bn*pil*⁵ cincta, apice biflda et insta plana spuali brevi teiminata rt ad inseitionem aristae pemcillo pilorum notata — Habitat m Abjssinia montosis provmciae Ouodgerate
- 5 D KOSTLIM Hoch&t I t p 421 f — Culmo a basi ramoso gracili, ramis **erectis**, foliis approximate linearbu* con\olutis subsetaceis brevibus pilosis, ligula **pilosa**, vigims stnatis pilose spica e vagina folu supremi enata, spiculis 9—5 constant' J spirulis bievisime pedicellatis anguslis linearibus subquadriflon*, lepicenae valvul⁴ subinaequalibu^, floies non aequantibus, <apice obiusis aut inaequaliter 1—3-denial³, palea mfenore slmta subsenbia npice bifldo in setulas longi^simas lineares a**h**nt t^, arista ex mcisuri enit-n, basi robu^ta spnaliter contorla caeteium subulate **longissima** — Habitat in rupibus montis Ab\ssinia Selleuda
- 6 D LEPTOPH\LLA A Richard J c 421 f — Perennis folu* ad basin culmi **caesp**⁴ tosi» linearibus cotnolulis pilosis brevibus, culmo gracili digitali eiecto, spica ¹¹fj plici terminali compressa, spiculis altemis sessihbus subquinqueflons compressis o¹² longis acuiis», lepicenae val\ula extenoie brevior oblona, apice dennculata, int6T¹⁰ paulo longioie mucronata, palea extenore oblongo-lanceolate cannata, apice bin¹⁰ dentata anstata, arista gracili setacea recta palea dimidio brevior — Habitat ¹⁰ Abjssimiae monubuj* et collibus ad rupes nudas jutta Adoua
- 7 D TRITICOIDES Lindl in Mitchell, Journal of tropical Australia p 365 adnot ^ Culmo ramoso stricto, foliis glabns, margine spinoso-scabns, basi planis, apfce ¹⁰ lutis, spica cylindraca dislicha secunda, spiculis subtiiflon&, flore summo fl¹⁰ aborrienie, paleae infenons dor^o lanatde atista recta gluma mucrooata nault¹⁰ longiore — Crescit ID Australia orientali tropica

872/., TBICUSPIS *Palis.*

{*Uralepis* seel. 2. *Tricuspis* Knth. Enumer. I. 318, Suppl. 275.)

1. TR. SESSLERIDES Torr. Flor. of New York II. 463. f. tub. 136. - A. Gray, Manual of the bot. of the North. Unit. Slaates 689. — *Poa flava* Linn. — Knth. I. c. 361. no. 232. — *Poa sesslenoides* Mchx. — *Poa quinquefida* Prsb. — *Windsoria poaeformis* Nutt.
2. TR. PURPUREA A. Gray 1. c. — *Uralepis purpurea* Altt. — Knth. 1. c. 318. no. 2. — *Uralepis aristulata* Nutt.

Tribus X. FESTUCACEAE Knth. L. c. I. 321.

Subtribus 1. BROMEAE Endl. Gen. pi. pag. 99. — Gramina herbacea.
Stamina tria.

875. SBSIERIA *Arduin.*

(Knth. Enumer. I. 321, Suppl. 276.)

- * S. POLY AT HERA C. Koch, Linnaea XXI. 399. + — Glaucescens glaberrima: folia ripida 5—7-nervia; thyrsus ovatus densus; spiculae biflorae; glumae cum arista tenui flosculos vix superantes, superior longior; palea inferior inaequilateralis, quinquenervis quinquoristata, inter aristas saepe dentata; palea superior biaristata bifida; processus stipitiformis saepe basi floris superior! adnatus. — Crescit in Caucaso inferioris.

876. POA *Linn.*

(Knth. Enumer. I. 324, Suppl. 278. - Wlprs. Annal. I. 937.)

- x. P. LEPTOCLADA Hochst. mss. ex A. Rich. Tent. flor. Abyss. II. 422. — Culm erecto gracili bipedali; foliis anguste linearibus glaucis aculis globosis, margine scaberulis; gluma longa tenui-membranacea integra; vaginis glabris scaberulis; panicula elongata spicaeformi, ramis semiverticillatis brevibus erectis; spiculis trifloris; lepicenae valvulis ttoem inferiorem sessilem aequantibus, dorso carinalis, apice acutis, in carina scabris; palea exteriore subcarinata acuta involvente, in pane superiore carinae scabrat caeterum glabra. — Habitat in Abyssinia montibus prope Cojeta provinciae Chire.
2. P. SIMENSIS Hochst. mss. ex A. Richard 1. c. 422. - Perennis: foliis radicalibus congestis linearibus angustissimis acutis, culmum fere aequantibus glabris laevibusque; gluma membranacea oblonga acuta; vaginis glabris; panicula parce ramosa pauciflora, ramis capillaribus scabris; spiculis saepe trifloris, rarius 4-floris; lepicenae valvulis lanceolatis acutissimis, dorso carinalis pubentibus scabris, flore inferiore brevioribus; palea exteriore carinata acuta pubenti-scabra. — Habitat in Abyssinia montosis regionibus et in monte Bouahit provinciae Semiene.

3. *P. SCHIMPERIANA* Hochst. mss. ez A. Richard 1. c. p. 423. — Anoua: culmo erecto gracili, viz pedali; foliis linearibus angustissimis glabris laevibusque culmo breviori" bus; ligula membranacea integra vaginisque glabris; panicula elongate parce ramosa distinctillora; spiculis compressis trifloris lanceolatis acutis; valvulis paleisque violaceo - marginatis; lepicenae valvulis lanceolatis acutis carinatis el in carina scabris; palea eiteriore valvulis longiori, dorso carinata acuta. — Habitat in Abyssiniae montibus provinciae Semiene.
4. *P. LEPIDA* A. Richard 1. c. pag. 424. — Culmo erecto gracili a basi ramoso geniculato; foliis linearibus angustissimis subconvolutis glaucis glabrisque; ligula pilosa; vaginis longe cilia Us; panicula elongata ramosissima, ramis saepius alternis, tenuissime scabris; spiculis disfliblis roseolis, saepius 6-floris; lepicenae valvulis carinatis acutis, in carina scabris; palea eiteriore obtusa cariniflta scabra, margine longe ciliata. — *Eragrostis lepida* Hochst. mss. — Habitat ad pagum Ailet in Abyssiniae provincia Medat.
5. *P. LONGIFOLIA* A. Richard 1. c. p. 425. — Perennis caespitosa: foliis radicalibus congestis erectis culmum aequantibus linearibus angustissimis acutis pilosis; ligula brevissima marginali; culmo spithamaeo; panicula pauciflora gracili; spiculis compressii lanceolatis 6—8—10—16-floris, tenuissime punctato-pubentibus; lepicenae valvulis acutis carinatis; palea eiteriore acuta carinata, interna margine ciliata. — *Eragrostis longifolia* Hochst. mss. — Habitat in declivitate australi regionis superioris montis Koubi in Abyssinia.
6. *P. TENUIFOLIA* A. Richard 1. c. p. 425. — Annua: culmo erecto bipedali; foliis linearibus angustissimis, sicctione involutis subseleceis glabriusculis aut versus partem inferiorem subfloccosis; ligula pilosa; vaginis ciliatis; panicula ampla pyramidalis stantiflora; spiculis parvis linearibus longe pedicellatis; ramis ramulisque basi penicillatis, 10—12-floris; floribus in azi communi flezuoso distincte alternis; lepicenae valvulis minimis viz conspicuis lanceolato - linearibus, saepius deciduis; valvulis inferioribus aliquando minoribus et substerilibus; palea eiteriore carinata apice versus partem superiorem scabra, interiore carinata scabra. — *Eragrostis tenuifolia* Hochst. mss. — Habitat in Abyssiniae montosis provinciae Chire et in locis incuvallium prope Adoua.
7. *P. SPOROBOLOIDES* A. Richard 1. c. 426. — Annua: culmo erecto robusto bipedali ultra; foliis linearibus acutissimis rigidiusculis glabris, tenuissime scaberulis; ligula membranacea brevissima denticulato-dissecta; vaginis glabris; panicula ramosissima longissiman stricta angusta, ramis alternis erectis; spiculis numerosissimis minimis proximatis, breviter pedicellatis, 4—8-floris; lepicenae valvulis subaequalibus, valvulis glabris, apice obtusis; palea eiteriore ovali obtusa trinervia glabra. — *Catawz micrantha* Hochst. mss. — Habitat in Abyssiniae planitie montosa prope Kouai provinciae Chire.
8. *P. OVJNA* A. Richard 1. c. p. 428. — Annua parvula: culmis caespitosis erectis maeis; foliis linearibus angustissimis convoluto-setaceis glabris erectis; ligula vaginis glabris laevibusque; panicula contracta, ramis fasciculatis erectis capillatibus; spiculis compressis oblongis longe pedicellatis 8—14—16-floris glabris; lepicenae valvulis acutis carinatis; palea eiteriore ovali acuminata subcarinata. — *Eragrostis ovjna* Hochst. mss. — Habitat in Abyssiniae campis momosis provinciae Gbire.
9. *P. MACILENTA* A. Richard 1. c. p. 428. — Annua gracilis: culmo erecto vix pedali; foliis linearibus angustis acutis glaucis glabriusculis, margine reirorsum scaberulis; ligula pilosa; vaginis ciliatis pilosisque; panicula gracili elongata distoifloraj erectis scabris; spiculis longe pedicellatis 2—5-floris nigrescenti - viridibus; valvulis lanceolatis acutissimis, dorso carinatis, in carina scabrte; palea eiteriore acuminata acuta. — Habitat in Abyssiniae locis herbosis circa Adoua.

10. P. CATABROSOIDES C. Koch, Linnaea XXI. 406; f — Caespitosa: fasciculi foliorum cum caule florente vagittis inclusi; ligula ovaia acuta; rami paniculae bini, denique horizontaliter patentibus; spiculae subbiflorae; glumae tenuae inaequales acutae; palea inferior ovata inferior pilosa, ex parte superiore diaphana, iruncata et irregulariter denticulata; palea superior oblonga, truncate, denticulate, inferiorem aequans. — Crescit in summis montibus Ponticis.
11. P. (ERAGROSTIS) PULCHELLA Parlaloro, Atti della ottava riunione 586. f — Panicula spiciformi laxiuscula stricta ramis brevibus erecto-patentibus; spiculis 4—6-Doris; valvis calycinis corollinae inferiore trinervi acutis, carina sub lente ciliato-scabris, valva corollina superiore margine longe ciliata; culmo brevi gracili; foliis planis glabris, ligula vaginisque margine longe piloso-ciliatis. — (Parlatore in Hook. Niger Flora* 188. f) - In insulis ad Cap verd.
12. P. (ERAGROSTIS) PILIFERA Scheele, Linnaea XXII. 344. + — Radix fibrosa. Culmus tripedalis rigidus teres glaber laevis simplex. Vaginae strigatae glabrae, ore barbatae. Folia plana striata longe subulata, acuminata parce pilosa, supra scaberrima, subtus laevia, folium florale paniculam involucrans atque aequans. Panicula pedalis ultra diffuse capillaris ramosissima, axillae ramorum barbatae, ramulorum inferiorum parce pilosae. Rhachis tetragona glabra, rami pedunculique scabri, ramuli tortuosi dissitiflori 2—4-achy (flori). Pedunculi elongati capillares tortuosi spicula 2—4-plo longiores. Spiculae purpurascens oblongae acutae 5—7-florae. Glumae acutae carina scabrae subaequales. Palea inferior ovata trinervis acuta, dorso scabriuscula, margine anguste albo-scarfosa, palea superior ciliata. — Crescit in Texade in pratis siccis elevatis prope Neubraunfels.
13. p. DEBILIS Torr. mss. (??) ex A. Gray, Manual of the bot. of the North. Unit. States 596. — Culmo tenui tereti gracili 2—2-pedali; foliis culmeis 3—4 obtusis brevibus; paniculae tenuis gracilis ramis geminatis vel ultimis ternis; spiculis 2—4-floris (vix 2 lin. longis pallide virentibus); glumis acutiusculis glabris; floeculis late oblongis obtusissimis glabris, excepta basi parce araneosa. — Habitat in America boreali (New York, Rhode island, Wisconsin).
14. -p. SYLVESTRIS A. Gray 1. c. 596. - *Poa stolmifera* Muhlberg. — Knth. 1. c. 362 00. 244(7).

878. GИYCETTIA R. Br.

(Knth. Enumer. I. 367, Suppl. 303. — WlpVs. Ann. I. 940.)

- * GL. PEDICELLATA Townsend, Ann. of bot. hist. (2. Ser.) V. 105. + — Panicula sinuata elongata subsecunda, ramis simplicibus semper patentibus, ultimis plerumque ternis, rhachi glabra; spiculis linearibus; flosculis 7—16-nis obtusis; palea exteriori oblonga, latitudine duplo longiori, apice integra vel irregulariter denticulato-crenata; antheris latitudine triplo longioribus; vaginis sulcatis. — Cambridshire, Worcestershire.
- * GL. ACUTIFLORA Torr. mss. (??) ex A. Gray, Manual of the bot. of the North. Unit. States 594. — Spiculis 5—12-floris paucis in panicula simplici dispersis; palea inferiore oblongo-lanceolata acuta, quam superior longe attenuato-acuta brevior. — In America boreali (rarior).

880. RKBОВИКА Knth.

(Knth. Enumer. 1.368, Suppl. 305.)

1. R. PENNSYLVANIA A. Gray, Manual of the bot. of the North. Unit. States 591. — Panicula longa gracili laxiuscula, ramis racemosis subelongatis; gluma superiore ob-

- laevibus, hguh oblonga membnnaccn \iginis glabns laevibus, pamcula contracta elongata, spioulis tnflons brevissime pedicellatis, in spicas partiales erectas appressas disposmo lepicenie valvulis suhaequilongis lanceolatis acutis, dorso cannatis punctato-ispntulis palet exiorem Inncoolata acuo punctato - scaborula, apice pnulisper biflida el nrmtuln intormodin brevissima termmtn — Habltnt In Abysslnlau monie Selleud i
- 5 F SIMLNSIS Hochst mss ex A Richard I c 433 — Culroo pedali aut bipedali, folns lincinhus angustis icutis glabri*, margine retrorsum scaberulis, liguu membnnaccn hreussima, vagims ghbns et laevibus, pamcuu pnuciflora distantiflora subspiciefbrmi spiculis pedicelhtis hnccolatis 4-flons distnnnnons, lepicenae valvulis lanceolate linennbus neum, dorso caujnlis, florihus tnplo brevionbus palea exicnore lanccolata apice sensim angustan acuta leviier biflida et sett hirtella scabra paleam subaequante terminate dorso cannata — Habitat in montibnn Abyssimiae Simensibus
- G F SCIIIMPERIANA A Rtchnrd 1 c 433 f — Folus basi caespitosis lineanbus an-gimis glabns, ligula membranarea brevissima, vaginis glabris, culmo palnaari, pani-eulu contncia pauciflora, spicuJis subsessilibus lanceolatis aculis, 4-flons, lepicenae vnlvulis lanceolnns acutis, dorso cannatis, in canna scabris, flonbus tertia parte bre-Monbus palea extenore oblongo - lanceolatn apice sensim acuta et in setam brevem sobrim nbeunte in pnrtre supenore carman scabiaeque — f *Simensis* Hochst (var) — Ihbitit in Abyssimiae prov Semiene locis montosis
- 7 F MAIROPHYLLA Hochst mss ex A Richard 1 c 434 — Caespitosa culmo orecto bipedali et ultra, folus longissimis ngidis culmum aequandbus angustis convolute subulatis, margine retrorsum scabris, ligula membranacea brevissimi, vagims longis-simis scaberuhs pamcula elongata, pnrcce ramosa subspicaeformi, spiculis compressis icutis 4-flons, flonbus distmctis lepicenae valvulis lanceolatis acutissimis, dorso cannatis scabris, palea extenore lanceolate, in setam longiorem scabram sensim de-sinente, palen intenoie bicannata, in parte media depressa et apice "aepc flssi — Habitat in Abyssimae provmcia Semiene
- 8 F QUARTINIANA A Richard 1 c 435 — CuJmo basi repente subterraneo, iami« erectis pedahbus, folus mollibus pubenti - pilosis, liguhi membranacea oblonga obiuta Integra, vagims stnatis pubenti - pilosis spiculis 5—6-flons oblongis sessilibus, 5—6 alternis et spicam (listantifloram efformantibus, lepicenae valvula extenore oblonga acuta qmnquestnata pubenli brevi, inlenore duplo longiore, palea extenore dense pu-benti convoluia acuta et sensim ac sensim apice in aristam subulaiam rectam robus-tam desinenti, palea interna oblonga obtusa nervo marginali encumdata approximato-ciiata — Habitat in Abyssimae piovincia Cbne
- 9 P DUBIA A Richaid I c — Culmis folnsque basi caespitosis, folus brevibus linearl-bus angustissimis, marginibus saepius revolutis et idpo subulatis pilosis, hgulapilosa» vagims glbris, spiculis sessilibus elongatis angustis 6—8 - floris, alternis spicam lon-gara disticham efformantibus lepicenae valvula extenore supreme lanceolate angusta acuta dimidio breviorc, mtenore (infenore) lanceolata acutissima scabra, palea exte-riore lanceolata tnnervia, apice biflida, nervis lateralibus aliquando apice in ~~setulam~~ brevissimam, nervo medio in seiam longiorem subulatam scabram abeuniibus — Ha-bitai in Ab\ssiniae regno Chire
- 10 F MINIMA A Richard I. c p 436 — Gracilis vix palmans culmis caespitosis ~~erecta,~~ 3—6uncias altis glabns, in medio gemculatis, folus lineanbus convolutis et inde ~~subu-~~ latiSj margine distanter pilis longis rans ciliatis, ligula brevissima membranacea ~~den-~~ ticulata, vagims glabns, spica gracih ternunali, spiculis alierms sessilibus ~~disticho~~ erectis adpressjs, saepius 4-flons compressis lanceolatis, Jepicenae valvulis caring, subaeaulongis acutis glabns, palea extenore lanceolata acuta subcunnata ~~al. ?~~ apice breviter dentita et ex Incisura mucronata anstata, arista brevissima — ~~Habit~~ in Abvs&miae montosis provinciae Chire

Sect. PSEUDOPOA C. Koch, Linnaea XXI. 409. — Annuā multicaulis: panicula ampla, rami asperi angulati; folia plana; flosculi subcarinati glabri, ex parte superiori arido-membranacei.

i F. POL YG AM A C. Koch, Linnaea XXI. 409. f. Verticilli inferi 5-, medii 4-, superi 2- et uniradiati; spiculae triflorae cum flore quarto supremo incompleto; axis glaber; glumae inaequales, lanceolatae, ex nervo medio Javes; flosculi punctulati truncati apiculati, ex tertia parte arido-membranacei; palea superior inferiori aequans. — Crescit in Oriente septentrionali (?)

M. F. HEPTANTHA C. Koch l. c. 410. I — Verticilli 8-, 10-, medii sub 5-, superi sub 2-radiati; spiculae septemflorae, axis piloso praeditae; glumae inaequales 1—3-nerves acutae; flosculi punctulati oblongo lanceolati, aut interdum breviter cuspidati; palea superior lineari-oblonga, inferiori minor. — Crescit in summis montibus Orientis septentrionalis.

*3. F. (*Hydrochloa*) POECILANTHA C. Koch, Linnaea XXI. 411. f. — Glauca fibrosa; folia involute; panicula ante anthesin contracta, demum ramis longioribus horizontalibus et brevibus rhachi communi adpressis obsita; gluma inferior carinata, 1-, superior inconspicue trinervis; flores 3—5-, paleis obtusis, inferae violaceis, superae flaviscentibus instructi. — Crescit in peninsula Apscheron.

Sect. EUFESTUCA C. Koch, Linnaea XXI. 412. — Perennis: folia omnia plana; paniculae rami filiformes interdum crassiusculi; flosculi lanceolati raro in aristam attenuati.

U. F. ARISTATA C. Koch, Linnaea XXI. 412. f. — Vaginae et folia pilosiuscula; rami asperi semiverticillati subterni; verticilli distantiores; spiculae 3—5-florae; palea inferior ex apice aristata, arista minor aut ei aequans aspera; gerraen ex apice pilosum oblongum. — Crescit in Oriente septentrionali (Oaghestan).

t **Icones addenda***.

P. NUTANS Spr. - Knth. I. cit. 467. no. 92. - Torr. Flor. of New York II.-471. ¹b. 158.

P. TENELLA Willd. - Knth. l. c. 397. no. 27. — Torr. l. c. 470. tab. 154.

f + **Addatur species valde dubla.**

^CATAPODIUM TUBERGULATUM Moris, Aiti della terza riunione p. 481. — Flosculorum Palea inferiore tuberculoso-scabra 5-nervis. — Affine *C. loliaceo* Lk. = *Festuca* rottboeloidi* Knth.

899A. **ROECMBBIA C. Koch.**

(C. Koch, Linnaea XXI. 713.)

dis-
s-
rata
lo
re
HI.
Spica ex spiculis 3 aut 4 remotis ternis plurifloris consistens; flores lantes. Glumae flosculo proximo multo minores, inferior trinervis, a Periole quinquenervi et blisinae floris aecundi attingente duplo superata. R^{a*ea} inferior ex dorso subcompressa, in apicem aristiformem angustissimum excurrens, obsolete trinervis, marginibus pilosis superioribus lineari-ellipticam bis carinatum, truncatam quidem sed apiculis

duobus instructam amplectens, lodiculæ binæ oblongæ, germ en pyri-
lorne, ex parte superior villosum superantes, stigmata sessilia apica-
fia plumosa.

- 1 R CAUCASIGA C Koch I c f ^filabernma perennis caulis erectus 2—3 - pedahs
folia lineona plana, ligula brevisM instructn — Crescit in Caucaso

900. BROMIS Linn

tknth Enumer I 412, Suppl 340 — Wlprs Annfl 1 945)

- 1 BR MUTABILIS F Schultz, Flora (B Z) XXXII 234 — Pamcula patente, deflorata
mogis minusve nutante, spiculis ovatis vel oblongo-lanceolatis, palea inferiore 7-noria
margine magis minusve rotundata vel supra medium angulum obtusum exhibente su-
penorem aequam vel conspicue superante, arista porrecta longitudine paleae, rans-
sime evanescente, vaginis glabris vel inferioribus pilosis Variat

Subspecies A Vaginis praesertim inferioribus hirsutis

OL. pratensis Seirafalcus F Sclultz ohm, *Bromus racemosus* L sp 114, Koch, Syn
2 H6 ; *B. pialensts* Ehrh Calam 16, *B. simplex* Gaud Agrost 236, in Flora Hel-
vetica cum *B. racemoso* conjunctus, *B. decipiens* var *racemosus* Schimp et Spenn Fl
Fnb 3 1092, *B. secahnus* (JL Spec ed 3, Pollich Palat 3 318 pamcula patente rel
deflorata «subcontracta, spiculis ovato-oblongis glabris, flonibus late ellipticis, fructi-
leus margine imbricatim se tegentibus, palea inferiore magis minusve rotundata su-
penorem conspicue superante vel nequante arisua porrectis fere longitudine paleae,
vaginibus inferioribus pilosis — Solo calcareo et argillaceo fere ubique

P. cortimntatus Scriaf F Schultz ohm, *B. commutatus* Schid Fl Germ I 353,
Koch, Sjn 946, *B. simple i* Gaud Agi 1 23b, *B. secahnus* var *commutatus* Chaubard,
B. decipiens vai Scump et Spenn Fl Fnb 3 1052 *B. iaiem* <n>ui> var Lagrèze Fos-
sa I Fl de Tarn et Gu 454 pamcula patente, denique? magis minusve nutante, spicu-
lis oblongo-lanceolatis, flonibus elliptico-oblongis, fructifens margine imbricatim ae-
tegenibus, palea inferiori supra medium angulum obtusum exhibente vel magis ini-
nusve rotundata, superiorem conspicue superante, aristas ponettis fere longitudine
paleae, vaginis inferioribus pilosis — In agris et nil agere N IOIUN (?) Germaniae et
Galliae

Y. tjlabratus Siuafalc F Sell, *Brom. Seiaf Billuln* vai a *glabratus* F
Schultz, *B. benaf glabratus* F Sch ohm pamcula patente, denique magis minusve
nutante, spiculis ovatis vel ovalo-lanceolatis glabris pedunculis glabris, flonibus
elliptico-oblongis vel late ellipticis, fructifens margine subcontractis non se tegentibus,
palea inferiori margine rotundata vel magis minusve supra medium angulum obtusum
exhibente superiorem aequante, aristas poirettis fere longitudine paleae, foliis vaginis
que pilosis inferioribus pilosissimis — In agris Bitensibus et Bipontinis

8 *hirtus* Serial F Sch, *Br. Senaf Billuln* (J. hntus F Sch, *Br. Serial* hirtus
Fr Sch) spiculis ovatis, sparsim pubescentibus, flonibus fructifens margine contrac-
teretibus non se tegentibus, pedunculis hirtis Caetera ut in vanei praeced — to*6
prope Hugendoram

Subspecies B Vaginis* glabris, spiculis oblongis flonibus late ellipticis, fructifens
*margine** contractis non se tegentibus, palea inferiori minusve
minusve rotundata superiorem aequante, arista porrecta flexuosa
nus evanescente — *Bromus secahnus* L Sp 118, Koch, Sjn 2 945

e. *hordeaceus*: Serraf. F. Sch.; *Bromus secalinus* & *havad.* Koch, Syn. 946; *B. Aordeaceus* Gmel. Fl. Bad. 4. p. 63.; Schimp. et Spenn. Fl. Frib. 3L 1052 non Fries.: spiculis minoribus pubescentibus birtis. — In agris secalinis.

£. *Secalinus*: Serraf. F. Sch.; *Br. secalinus* y. *vulgaris* Kooh, Syn. 945.— *B. secalin* Schrad. Germ. 1. 147.; Schimp. et Spenn. Fl. Frib. 3. 1091. et I. 146.: spiculis minoribus glabris vel scabris. Provenit rarius spiculis muticis.

†. *velutinus*: Serraf. F. Sch.; *Br. secal.* p. *velutinus* Koch, Syn. 945.; *B. grossus* a Gaud. Agr.; *B. grossus* (J. *subvillosus* et Y- *villosus* Spenn. Fl. Frib. I. 14?.; *B. velutinus* Schrad. Fl. Germ. I. 349: spiculis majoribus hirto-velutinis.

^ . *grossus* : Serraf. F. Sch; fi. *secal.* a. *grossus* Koch, Syn. 945.; *B. grossus* fl. Gaud. Agr. I. 301.; *B. gross,* a. <?aber Spenn. Fl. Frib. 1.147.; *B. gross,* a. Men. f. Kch. J. 680.: spiculis majoribus glabris vel scabris. Provenit rarius spiculis muticis. — Cum praecedente in agris triticinis.

2. BR. PANNONICUS Kummer et Sendtner, Flora (B. Z.) XXXII. 757. — Rhizomate fibroso; culmo glaberrimo; foliis linearibus planiusculis vaginisque inferioribus pubescentibus; ligula brevi; panicula aequali erecta, ramis inferioribus subquaternis; spiculis lanceolatis glabris 6—7-floris; gluma inferiore uninervia, superiore trinervia; palea inferiore nervis tribus validioribus 2 aut 4 obsolete instructa, carina scabra e dorso apice bidentata aristata; arista soabra palea brevior; palea «up«Jor© inferiori aequante lineari-lanceolata bicarinata glaberrima, praeter carinas aerrulato-soobriuculas. — Crescit in deolivibus aridis et saxosis a Travnick versus pagum Bukovizza, 2500—3000 ped. altii. in Pannonia.
3. BR. LONGIPILUS Kummer et Sendtner 1. c. f — Radice annua: culmo scabro; foliis linearibus vaginisque pubescentibus ciliatis; ligula late ovata protensa multilobata; panicula subsecunda nutante, ramis semiverticillatis flexuosis; spiculis lineari-lanceolatis 3—7. floris villosis; palea inferiore ex apice bipartito aristata, 7-nervia, arista recta paleam aequante; palea superiore brevior, carinis ciliatis. — *Bromus sterilis* Lang. — Crescit in Graecia, Bosnia et Hungaria.
- 1- BR. BERTKRIANUS Colla, Memorie di Torino XXXIX. 25. f tab. 58. — Erectus elatus: foliis late linearibus culmoque striatis villosiusculis; panicula elongata erecta, ramis oblongis strictis, inferne nudis, superne ramulosis multilobatis; spiculis lineari-lanceolatis compressis; perigonii valvula exteriore 2-nervi aristam reotam subaequante. — In Chili ad Rancagua.
5. UR. TRICHOPODUS A. Richard, Tent. flor. Abyssin. II. 437. — Perennis: culmis basi caespitosis erectis subgracilibus 1—2-pedalibus; foliis linearibus angustis glaucis, subtus nervosis et scaberrimis; ligula tenui membranacea longa; vaginis piloso-hirtis; Panicula elongata simpliciuscula, ramis inferioribus semiverticillatis erectis angulatis «cabiis; spiculis lanceolatis angustis 5—6-floris; floribus alternis distantibus sat longe pedicellatis, medio articulatis, pane inferiore glabra, superiore dense sericea; lepitena valvulis lanceolatis acutis nervosis glabris, exteriore brevior; palea inferior) lanceolata angusta nervosa glabra, apice acute bifida; arista dorsali paluis triplo longiore, cum caeteris contortili; palea interna lineari lanceolata, apice subacuta, dorso bicarinata, nervis hirtellis. — Habitat in Abyssiniae planitie Beless provinciae Chire.
- H. DR. PETTIANUS A. Richard 1. c. p. 438. — Culmo erecto tripedali; foliis linearibus angustis glaucis, subtus nervosis, scabris; ligula membranacea apice dentato-dissecta; vaginis striatis, in pane superiore pubescentibus; panicula ramosa pyramidata paucinervis, ramis longissimis saepius oppositis capillaribus scabris; spiculis uncinatis longis compressis, 7—9-floris; perigonii valvulis lanceolatis acutis, inferiore paulo brevior; palea exteriore elliptico-lanceolata, dorso trinervia carinata, nervo carinali scabro, pane extra nervos laterales cum nervis birsuta, apice bifida; arista vix dimidiam paleae pariem aequante; palea

- interna oblonga obtusa binervia, nervis marginolibus dense ciliato-spinosis. — Habitat in collibus Abyssiniae provinciae montosae Ouodgerate.
7. BR. (*Sicnobromus*) AMPLUS C. Koch, *Linnaea* XXI. 418. f — Tri—qundripedalis; culmus glaber; panícula amp la laxa, denique nutans; rami asperrimi elongati; flosculi elongati asperi; palea inferior ex apice bifida, saepe aristae aequans. — Crescit in Oriente septentrionali, in planitie Schirwan.
8. BR. (*Schoenodorus*) GRANDIFLORUS G. Koch, *Linnaea* XXI. 419. + — Glaberrimus: folia caespitosa angustiora, ex parte inferiore involute, caulis latiora, ligula brevi instructa; racemus ex 5—8 spiculis subcernuis constans; pedunculi laevissimi; glumae subaequales, inferior angustior; flosculi 10 distantiores; palea inferior septemnervis, ex apice bifida arista recta paululum brevior instructa; palea superior angustior brevior; germen lineari-oblongum, ex apice pilosum. — Crescit in summis montibus Orientis septentrionalis (Pertakrek).
9. BR. PUBESCENS C. Koch l. c. 420. f — Caulis cum foliorum fasciculo vaginis communibus inclusus, ex parte inferiori, ut folia angusta, et vagina inferior pilis brevibus reversis, ex parte superiori contra, ut folia caulina, pedunculi et spiculae pilis patentibus obsitus, ex media parte denique glaber; glumae et paleae arista breviori instructa e; racemus brevis, rami unispiculati; nervi secundarii in nervum medium transeunt. — Crescit in Grusia.
10. BR. GLABERRIMUS G. Koch l. c. f — Caespitosus glaberrimus: folia linearia radicalia et partim angustiora partim latiora; ligula abbreviata; racemus brevis, ex 2—4 verticillis constans, ex apice saepe nutans; spiculae coloratae subquinqueflorae, pedunculo curvato aut subnutante insidentes; palea inferior ex apice bifida arista minori instructa, superiori aequans. — Crescit in oriente septentrionali.
11. BR. ANGUSTISSIMUS C. Koch l. c. 421. f — Glaberrimus breviter stolonifer: folia omnia angustissima; racemus erectus; spiculae inferiores binae, superiores singulae; palea inferior inconspicue quinquenervi, apice integra, arista perbrevis instructa, palea superiori vix longitudine superata. — Crescit in Grusia.
12. BR. KALMII A. Gray, *Manual of the bot. of the North Unit. States* 600. — Panícula simplici parva 3—4-pollicari, spiculis nutantibus, pedunculis capillaceis arete 7—12-floris utriusque dense sericeis pilis longis patentibusque; gluma inferiore eximie trinervi, superiori quinquenervi, arista unam tertiam tantummodo floris lanceolato-oblongi aequante; culmo gracili 1¹/₂—3-pedali; foliis vaginisque eximie vel parce hirsutis. — *Br. dialia* Linn. *Herb.* !! (nee alior.) — *Br. purgans* Ton*, tt Gr. — In America boreali.

t Leones addendae.

- BR. BRIZAEFORMIS Hobenack. mss. ex Fisch. ft Mey. *Index sera. hort. Petropol.* III. p. 30. — *Sert. Petropolit.* tab. 3.
- BR. SECALINVS L. — *Knth.* l. c. 413. no. 2. - *Torr. Flor. of New York H.* 467. tab. 157.

f Genus indscriptum.

HARPACHUTE Hochst.

(Hochst. mss. ex A. Richard, *Tent. flor. Abyss.* II. 431.)

...»^{L*} Sçiere *Harpachne* me parait Irès voisine du genre *Poa*. W. [®] diffère surtout par Tinégallité des ses fleurs, dont la paillette exlerie»[®]

est d'autant plus longue et plus aigue à mesure qu'on s'élève vers la partie supérieure de l'épillette, par sa paillette interne relevée de deux côtes longitudinales et par sa fleur inférieure neutre. Au premier abord *VHarpachne Schimperii* offre une analogie de port avec la *Lamarckia aurea*. — (A. Richard 1. c. 432. adn.)

- * *H. SCHIMPERI* Hochst. mss. ex A. Richard 1. c. 431. — Culmis cnespitosus geniculatis erectis, vix pedalis; foliis angustis convolutis pilosiusculis; ligula dense pilosa; vaginis saepius 4-jugis; spica terminali densa secundiflora; spiculis pedicellatis horizontalibus aut subpendulis (pedicello hirsuto) 8-floris; floribus alternis distichis, inferiore neutro minore; lepicenae valvulis inaequalibus carinatis, exteriore minima lanceolata acuta, interior duplo longior; palea exteriore lanceolata acutissima, dorso carinata trinerviata, nervis scabris, interiore convexa bicarinata multo brevior pubescente, carinis prominulis alaeformibus denticulato-ciliatis. — Habitat in Abyssiniae collibus siccis prope Adoua.

Subtribus II. *BAMBVSEAE* N. ab E. — Endl. Gener. pi. p. 102.

Gramina fruticosa vel arborescentia. Stamina 5—6.

909. *HAMBUSA* Schreb.

(Knth. Enumer. 1.430, Suppl. 356.)

- * *B. DUMETORUM* Hance, Pl. nov. Ausir. Chin, diagn. ined. I. p. 22. — Frutescens multicaulis: culmis 4—6-pedalis et ultra tenuibus inermibus laevibus subfistulosis, nodis imberbibus; foliis lanceolatis, superne angustato-subulatis, basi cuneatis, brevissimis petiolatis articulatis multinerviis, nervo medio parum crassiore, supra scabro-pilosulis, subtus glaberrimis, marginibus denticulato-scabris 3—6 poll. longis, basi 1 poll. laevibus ejugatis, vaginis teretibus striato-sulcatis imbricatis glabris, apice ciliatis, ciliis rigidis fibrosis; paniculae amplae simplicis bipedalis ramis simplicibus 3—8 aggregate 3—6-pollicaribus, basi fasciculo spicularum dense congestarum auctis; spiculis sessilibus 3—6 fasciculatis lanceolatis allenuatis vix compressis unifloris (!); stylo subulato stamina diradito superante. — *Hambusa* omnes tam pessime descripsit Eunthius, quod non certus sum, nisi haec sit species nova; videtur tamen diversa. — Hab. in dumetis Hongkong Chinensium.

- ? *B. ABYSSINICA* A. Richard, Tentam. nor. Abyss. II. 439. — Culmo arboreo lignoso; ramulis venicillatis; foliis ovali-lanceolatis acutis, basi rotundatis, superne glabris, basi pilis brevibus conspersis; vaginis glabris laevibusque; spiculis oblongo-conicis acutissimis sessilibus numerosissimis conglomerato-capitalis; capitulis lateralibus superpositis, terminalibus 8-plicatis quasi 8-plicatis interrupte subverticillatam formationibus; spicularum multiflorarum squamis undique imbricatis, exterioribus brevioribus, apice subobtusis mucronatis ciliatis pubescentibus, internis sensim longioribus acutissimis subspinescentibus et perfecte convolutis, omnibus vacuis flores steriles unigenosae menfientibus; flore centrali mastulo aut hermaphrodito unipaleaceo?; staminibus sex; antheris longis linearibus apice longe subulatis; stylo simplici hirsuto; stigmatibus 3 subulatis birtellis. — Habitat in ripis (lucii Tacazze in Abyssinia.

Tribus XI HORDEACEAE Kunth] 435

912 LOLIUM Linn

(Kunth Numer 1 435, Suppl 358 — Wlprs Anual 947)

- 1 L. CYLINDRICUM G Koch, Linnaea X\l 434 t — Spitulæ subdecemfloræ, rachis adpressæ, fragiles, glumæ ex parte quarta majores flosculis, palea infera elliptica
Grescit in Oriente septentrionali (Schirwan)
- 2 L. DURUM C Koch I c f- \nnum multicaule spica comata nec stricta, spiculæ adpressæ aut paululum patulæ, glumæ longiludine 6—8 flosculorum, aut us paululum breviores, palea inferior quinquenervis, vix angustior et brevior quam palea superior acuta, raro bidentata — Grescit in Oriente septentrionali (Schirwan)

913 TRITICUM Linn.

Kunth Numer 1 438, Suppl 360 — Wlprs Ann I 947)

Subgenus II AGROPYRUM Palis

(Kunth Enumer I 440)

- 1 TR. ARIUS Hochst Flora XXXI. p 450 f — Spica opposita compressa subtetragonæ longitudo anslata, rachis fragilis, spiculis 9—15 laxè imbricatis areolis glaberrimis inflo-
ris, flosculo tertio mutico stentili, glumis imbricatis oblongis canalicatis, canna parum
minuta, subrectè excurrente, latere antero multinervis, apice obtuso bidentato, den-
tibus aequalibus vel parum inaequalibus, flosculis longiusculis convexo-concavis for-
ticatis vitreis — Colitur in Arabia sub nomine „Aris“ (lingua Tigrensi) vel „Mira“
(lingua Arabica)
- 2 TR. ELYMOIDES Hochst ms* e\ A Richaid, Tentam Qor Abyss II 440 — Culm⁰
eiccio bipedibus foliis linearibus angustis acutis scaberrimis, ligula membranacea truncata
marginè tenui ciliis viginti glabris laevibus, spiculis alternis sessilibus 5—6-floris
floribus subdistinctis lanatis in axilla allernis sessilibus, lepicenae valvulae
lanceolatis distinctis nervosis, in canna aspera, marginè hirsuto-ciliatis,
leaves exteore convoluta pubente lanceolata, apice obtuse emarginata ansia
tassa ingulati scabra terminata — Habitat in montibus districtus Abyssiniae
Uahut
- 3 TR. (AGROPYRUM) CAESPITOSUM (Koch, Linnaea XXI 424 t — Caespitosum foliis
involute, supra scaberrimum, spica lineans, ex spiculis 8—10 tuberosis constans, rachis
excisa, ex marginè setulosa, glumæ inaequales 3—5-neves truncatae, Dorsuli truncati
— Crescit in Oriente septentrionali (Kunth)
- 4 TR. (AGROPYRUM) DISTANS C Koch, Linn XXI 426 f-Pluncaule pubescens vaginæ
ventrosae, plerumque altera alteram tegentes, spica oblonga, breviter pedunculata
hirsuta, glumæ trines subulato-anastatae, subtribus floribus distantibus atque
palea inferior oblongo-lanceolata, in anastam attenuata, palea superior bifida —
Crescit in Oriente septentrionali (Ernan)
- 3 TR. (AGROPYRUM) TOURNEFORTII Notai is, Atti della ottava luntone 60^o - Cullio? *!jj
vaginæ teo, inferius pilosis, superius puberulis foliis inferius pilosis

- rulis; foliis inferioribus piloso-puborulis, superioribus glabris, margine ciliato-scabris; spica oblongata, rhachide strigosa, articulis spiculis aubquinquefloris adpressis aequalibus; gluroae valvis ovatis, mtiticis, apice truncato - mucronatis, 5—6-nerviis puberulis; glumellae valvis ovato-oblongis, apice brevissime aristato-mucronatis; flosculo intimo mutico; spicula terminali sterili; glumellae valve eiterna longissime aristata; aristis spica subaeqnaUbus aculeato - scabris. — Iff loco Territorii prope la Foce. (?)
6. TR. (AGROPYRUM) LIGUSTICUM Notaris 1. c. — Gulmo laevi, vaginis tecto glabris, margine ciliato-scabris; spica brevi; rhachide strigosa, articulis locustis 5-floris adpressis brevioribus; gl'umae valvis ovatis 5-nerviis glabris, inferioribus mulicis, superioribus brevissime nervo mucronatis; glumellis ovato - acuminatis, eitimis in longam nristam rhachidem aequantem abeuntibus, mediis intimave acuminato - oblongis. — Habitat in herbidis secus aquaeduclum „Alto Zerbino¹¹ Ligustici.
7. TR. DASYSTAGHYUM A. Gray, Manual of the bot. of the North. United Staates 602. — Culmo 1—3 - pedali e rhizomate valido repente foliisque angustis plerumque involutis glaberrimis glaucescentibus; spiculis undique puberulis qlbidis 5—9-floris; glumis 5—7-nerviis, rhachi ad angulos hispida, arista nonnumquam dimidiura florem aequante, nonnumquam subevanescente. — *Tr. repens* var. *dasytachyum* Hook. — In America boreali (Michigan).

Subgenus III. BRACHYPODIUM Palis.

(Kntb. ttnumer. I. 445.)

8. TR. (BRACHYPODIUM) GKNICULATUM C. Koch, Linn. XXI. 422. - Caulis glaber lacvis, ex parte inferiore geniculatus ascendens; foJia pilosiuscula asperrima; spiculne 5—7 erectae, rhachi adpressae nsperae; flosculi etiam post anthesin imbricati triandri; arista florum superiorum paleae aequans aut loogior. — Habitat in Oriente septentrionali (Eriwan).
- *. TR. (BRACHYPODIUM) FLKXUM Hochst. mss. ex A. Rich. Tent. flor. Abyss. II. 441. — Cdlmo a basi ramoso erecto gracili iripedali; foliis Jale linearibus acabris planjs aut margine subundulatis; ligula membranacea oblonga; vaginis glabrlt 'etforsum scabris; spiculis cornpressis alternis breviter pedunculatis, unciam unam iongls circiter 10-florist floribus distinctis alternis; lepice-nae valvulis inaequalibua tanceolatis acutis nervosis, externa brevior; palea exteriore lanceolata* nervosa pubenii, apice sensim angustata ex in aristam subulaiam brevior scabram dednenw. — Habitat in Abyssinia et in Promontorio bonne spei.
10. TR. SCHIMPERI Hochst. mss. ex A. Richard 1. c. 441. — Annum gracile; culmo «rocto vix pedali; foliis pubentibus, junioribus floccosis, ciliatis; ligula membranacea denticulate,; vaginis pubenti-floccosis; spiculis 1—2 sessilibus, saepius 6—8-florls; lepice-nae valvulis lanceolalis aculis nervosis subaequilongispubentibus; palea exteriore canali-culatti, margine scabro-ciliaia pubenli, sensim apice angustata etin uristam duplo tri-P^ove longiorcm desinente, interiore subaequilonga lanceolata obtusa ciliata. — Habi-t¹⁰t ad margines agrorum editiorum montis Abyssinae Selleuda.

913A. liEPIBOPIROHTIA Ach. Richard.

(A. Richard, Tent. flor. Abyss. II. 441. tab. 101.)

flo. Khpchis spicata; spiculae alternae distichae sessiles secundae multi-
do^ae. Lepicena bivalvis, valvae membranaceae, exterior lanceolata acuta,
r8o carinata, interior paulo longior latiorque acuta uninervia; flores

numerosi 9—12 in aji communi brevissimo sessiles, undique imbricati et inde varie inter se iucumbentes, exteriores hermaphroditi, interiores minores neutri. Palea exterior coriacea subovalis acuminata, interne concava, marline membranacea tenuior, dorso undique (excepta parte marginali tenuiori) pilis longis rigidiusculis tecta, infra apicern dorso arista recta scabra ornata; fterior brevior plana ovalis acuminata, in Interibus hinc et jllinc carinata, marginibus inflexis. Stamina 3 exserta. Palcolae... . ? Fruclus ovoideus oblongus lenticularis, basi breviter attenuato-stipitatus, sacco (pericarpio) tenui diaphano et apice basi stylo- rum persistente terminalo obvelatus.— Gramen annuum: culmus erectus sesquipedalis; folia plana, margine retrorsum scabra, ligula brevissima membranacea, tenuissime fimbriata; rhachis plana flexuosa.

1. 'L. OENCHRIFORMIS A Rich. I. c. p. 442. tab. 101. f — Habitat in locis Abyssiaiae montosis provinciae Ouodgrate.

913½. EBEMOPYRUItt Ledeb.

(Ledeb. Flor. Alt. I. 112. — Jaub. ft Spach, Ann. sc. nat. [3. Stir.] XIV. 360.)

•Spiculae solitariae sessiles distichae imbricatae magis minusve patentés, conformes, rbacheos respectu transverse positae et parallele compressae, non ventricosae, tri- vel pluriflorae. Spicula terminalis abortiva vel omnino deficiens. Flores ad frhachillam flexuosam basi crassam, sursum sensim attenuatam distiche alterni, duo infimi subcontigui, superiores remotiores, summus unipaleaceus stipitulatus neuter minus, laterales sessiles bipaleacei triandri hermaphroditi. Gluma bivalvis, spiculis omnibus conformis. Valvae aequales vel subaequales, conformes oppositae, s'ubcartilagineae, persistentes inaequilatae naviculares carinatae (nervo medio), subdivergentes, basibus magis minusve geniculatis concretae, apice integerrimo longius breviusve subulatae (haud raro aristato-subulatae). Glumellae paleae aequilaterae, inaequales dissimiles. Palea externa subcoriaceo-herbacea, ovalis vel oblonga navicularis, carinata (nervo medio), quinquenervia (nervis a basi ad medium tenerrimis, supentf. sensim mcrassatis convergentibus), apice angustato nunc breviter subulata nunc in aristam magis minusve elongatam setaceo-subulatam aculeolato-scabram inferne triquetram producta. Palea interna brevior palea externa, membranaceo-hyalina carinata-binervia (carinis dorso serrulate vel ciliatis marginatis), apice acute bifida, lateribus inde a nervis in* flexa, dorso subcomplicata. Squamulae hypogynae, stamina, pistillum et caryopsis *Hordeacearum*. — Planlae annuae vel perennes caespitosae^ Caules simplicissimi, nodis inferioribus geniculati et plerumque decurn* bentes. Folia plana vel involuta. Spica linearis vel oblonga vei ovaW vel ovata compressa composita. Rhachis cartilaginea flexuosa articulata, internodia spiculis breviora spathulata compressa, dorso convexa, facie subconcava, apice incrassata. — *Eremopyra* a *Triticis* et *AgropV*^ facillime distinguenda spiculis conformibus, ^lumae valvis basi genicua' tis et concretis. *Secale* autem nonnisi spiculis bifloris et glumis sUD* membranacois ab *Eremopyro* dilYert.

- I. E. ORIENTALC Ledeb. I. c. (sub *Tntioo*) — Jaub. Ut Spiuli I. c. 361. ft Illusir. pl. orient, t. 319. — Annum: spica ovata« vel ovali• oblonga brevis hirsute; spiculis

- 3—4-floris subovatis; glumae vahis oblongo-lanceolatis, acuminatis subulato-aristulatis, latere exteriori 1—3-nerviis, flores iafimos subaequantibus.— *Gramen secalinum Armenum, spica brevi et lata* Tournef. — *Gramen orientate secalinum, spica brevi et lata* Tournef. — *Secale orientate* Linn. — *Triticum orientate* Bieb. — Knth. 1. c. 443. — *Agropyrum orientate* Roem. ft Schult. — Habitat in Aegyptio, Arabia petraea, Syria, Mesopotamia, Persia, Media, Albania et Iberia.
2. E. SQUARROSUM Jaub. ft Spach 1. c. ft Illustr. pi. orient, tab. 330. — Annuum: spica ovata vel ovali vel oblonga, hirsuta vel hispidula vel saepius glabella; spiculis 3—5-noha, ovato- vel oblongo-lanceolatis; glumae valvis floribus infimis brevioribus oblongo-lanceolatis, apice sensim angustatis subulato-aristulatis vel mucronatis (simulac florum palea externa), latere exteriori enerviis vel •bsolete uninerviis. — *Triticum squarrosus* Roth. — Knth. 1. c. 444. — TV^{*}; *palulum* Willd. — *Secale pungens* Pers. — *Triticum Buonapartis* Spreng. — *Tr. planum* Desf. — *Agropyrum patulum* Trin. — *Agr. squarrosus* Link. — TV. *Kotschyanum* Boiss. (Varietas spicis hispidulis). — Habitat in Aegyptio, Arabia petraea, Syria, Mesopotamia, Persia, Media, Albania et Iberia.

915/!. HSTBRASSTinSiiIJM Hochst. ms.

(Jaub. ft Spach, Ann. des sc. nat. [Se>. 3.] XIV. 368.)

Spiculae ad rhacheos articulationes solitariae, distiche imbricatae biformes sessiles, rhacheos respectu parallele compressae et transverse positae, 5—9-florae (floribus omnibus longe aristatis), aliae fertiles (floribus nempe duobus infimis vel flore infimo solum hermapliroditis triandris bipaleaceis, reliquis neutris saepissime unipaleaceis), aliae steriles (floribus omnibus neutris et saepissime unipaleaceis), minores, ?d spicae apicem confertae simulque spiculis fertilibus absque ordine totermixtae. Flores neutri floribus perfectis conspicue minores, in spiculis fructigenis ad rhachillae filiformis apicem distiche confertae et fasciculum aristarjiim referentes, in spiculis sterilibus simili modo con* iertae at rhachillae crassae brevissimao insidentes, superiores inferioribus gradatim minores et bfevius aristati. Flores perfecti subsessiles subcontigui. (In spiculis flore perfecto unico gaudentibus flos neuter proxime sequens bipaleaceus est et paulo minor flore perfecto.) Gluma bivalvis floribus brevior, in spiculis omnibus conformis. Valvae oppositae conformes aequales cartilagineae, cum rhachi continuae persistentes^{es} e deflexa basi assurgentes, magis minusve divergentes ecarinatae subconcaevae ecostatae (vel si mavis quasi ad costam mediam reductae) l^r meari-subulatae aequilaterae integerrimae, apice sensim in aristam ^taceam elongatam scabram angulosam protractae, basibus concretae. ^mella floribus perfectis-bipaleacea, floribus neutris saepissime ad p^{ae} am^{am} externam reducta. Paleae aequilaterae inaequales dissimiles. e^{ae} externa subcartilaginea navicularis ovato- vel oblongo-lanceolata, sar^{vel} ?-nervia (nervis superne conniventibus, juxta apicem subincras- sj^{lls} c^c onfluentibus), marginibus inflexa, medio dorso subcarinata (saltern --upra medium), apice sensim angustata in aristam elongatam dorso con- ^e xam facie canaliculatam. ft-uclifera ilorso dense verruculosa. Palea in- g^{ina} membranacea hyalina lineari- ojlblonga carinato-binervia (carinis t^{retibus} marginatis), nervis excurrentibus subulato-biaristulata, dorso nk^u >complicata, lateribus inde a nervis ioflexa. Squamulae hypogynae,

stamina, pistillum et caryopsis *Hordeacearum*. — Planta* annua multicaulis: radice fibrosa. Caules simplicissimi, inferne geniculati et minusve decumbentes, superne erecti. Folia plana angusta liriarilanceolata acuta. Vaginae involutae, summa magis minusve ventricosa. Ligula brevis membranacea subtruncata. Spica stricta densa subcylindracea, e spiculis numerosis composita. Rhachis ~~ca*~~ M^laginea subflexuosa articulata, articulationibus fragilibus, internodia abbreviata sublinearia sublenticulari-compressa, apice incrassata. Spicularum fructiferarum valvae et paleae maturitatem numquam solutae, una cum articulo rhacheos respondente persistentes (etiam peracta germinatione).

1. 'II. PILIFERUM Hochst. mss. ex Jaub. ft Spach 1. c. 359. ft Illustr. plant, orient, lab. 318. — *Elymus pihfetus* Russ. (?) — habitat in Syria et Persia.

915/2. CRITHOPSIS Jaub. jf Spach.

- (Jaub. ft Spach, Ann. des sc. nat. (Sér. 3.) XIV. 362.)

Spiculae conformes geminae distichae imbricatae, arete sessiles biflorae, laterales rhacheos respectu transverse positae, terminales rhachi parallelae. Flores inferior subsessilis bipaleaceus hermaphroditus triandrus. Flores superior longe stipitatus, unipaleaceus neuter. Gluma cujusque parvis spicularum quadrivalvis, involucri uniseriale flores circumcingens sistens. Valvae cum rhachi continuae persistentes subcoriaceae verticillatae planiusculae aequales aequilaterae trinerviae (nervis lateralibus haud raro magis minusve oblitteratis) subsessiliter lanceolato-lineares, apice aristato-subulatae, basi concretae. Glumella florum perfectorum bipaleacea, paleis aequilateris dissimilibus. Palea externa subcoriacea quinquenervia (nervis infra medium tenerrime formibus, superne incrassatis convergentibus, apice confluentibus), concava ecarinata involuta oblongo-lanceolata, sensim acuminata, apice in aristam elongatam subulata produca. Palea interna membranacea hyalina carinato-binervia (carinis dorso obtusis immixtis), oblonga truncata mutica, dorso convoluta indeque a nervis inflexa. Squamulae hypogynae et organa sexualia *Hordeacearum*. — Planta annua suffruticosa* tosa, radice fibrosa. Caules simplicissimi monostachyi, inferne geniculati. Folia plana. Spica brevis, densissima stricta sublanceolata, contrarie compressa, e spicularum fasciculis 5—9 composita, Rhachis compressa crassa articulata fragilis, intermedia abbreviata spatulato-oblonga, dorso convexa, facie plana, marginibus et circum spiculas ~~selis~~ elongatis albidis dense barbata.

1. *CR. BRACHYTRICHA Jaub. ft Spach 1. c. 363. ft HL pi. orient, tab. 321. - *Elymus brachytrichus* Hochst. — Habitat in Syria et Persia."

917. HORDEIM linn.

(Knth. Enuraer. I. 454, Suppl. 368. — Wiprs. Ann. I. 948.)

1. H. DEFICIENS Stead, mss. ex A. Brian, Delect, sera. hort. Friburg. 4848. P^a. ~~def.~~ ~~lin.~~ Spiculis laevibus netis, redactis ad formam unicam (cum dimidio atheri) ~~lin.~~

- ceolato - subulatam aristatam; arista basin aristae spiculae hermaphroditae aequante; glumis spiculae hermaphroditae iis apicularum lateralium plus quam duplo majoribus late lanceolatis aristatis, valvam exteriori (sc. sine arista) dimidio brevioribus. — *Habitus Hordei dislichii*. — Colitur in Abyssinia.
2. 11. MACROLEPIS A. Braun l. c. adn. — Spiculis lateralibus ut in praecedente; glumis spiculae hermaphroditae iis apicularum lateralium plus quam duplo majoribus late lanceolatis aristatis, valvam exteriori (sc. sine arista) aequantibus. — Colitur in Abyssinia.
3. H. SPONTANEUM C. Koch, *Linnaea* XXI. 430. f — Spica quadrangularis, axi fragilissimo; flosculus medius hermaphroditus, arista longissima erecta cernata praeditus; flosculi laterales masculi mulci asperrimi; processus stipitiformis (axis spiculae continens) flosculi medii plumosus, flosculorum lateralium nudus; glumae omnium flosculorum inter se aequales aristiformes, (sed sive aristas proprias) longiores. — Crescit in Cnucaso (Schirwao).
- * H. VAGINATUM C. Koch l. c. 433. f — Glaberrimum: culmi geniculati; folium superum ventricosum, spicam ova tam includens; spicula hermaphrodite ultima uniglumis binistata, reliquae biglumes; glumae inferiores lanceolatae, ciliatae enerves, earum aristas divergentes; flosculi laterales masculi, subleretes nec plani, finerves. — Crescit in peninsula Apscheron.

917A. CRITHO E. Mey.

(E. Mey. Hort. Regimont. seminif. 1848. p. 5. adn.)

Glumellae (corollae) valvula exterior medio sagittato-triloba, lobis lateralibus divaricato-reversis planis actinatis, intermedio recurvato adunco genitalia involvens. Reliqua *Hordei*.

- ^ CR. AEGICERAS E. Mey. l. c. — Neglecta singulari glumellae fubrica, proxime accedens ad *Ifordei vulyans* varietatem coelestis, valvulis flavescens, granis liberis vfrilic barbatis. Spiculae omnes fertiles, ariglis nullis, rarius inferiores interloles steriles, et tunc lacina valvulae sagittatae terminalis magis minusve in aristam subulata. — *Hordeum oegiceras* Royle. — *Hordeum coeleste trifurcalum* Royle. — Habitat in India orientali (Himalaya).

916. ABCWIIQFS Linn.

(*mh. Enumer. I, 457, Suppl. 371. — WJprs. Ann. I. 949. — Jaub. ftSpach, Ann. sc. nat. [3. Sdr.] XIV. 351.)

Spiculae bifformes (late Fales nempe terminali dissimile), 3—7-(raro 9-)florae, floribus duobus summis minoribus vel minimis neutris (modo 1- modo 2-paleaceis). In spiculis 3- aut 4-floris flore summo solum neutro. Spicula terminalis conspicue gracilior, rhachi parallela, glumae valvis florumque paleis regularibus. Spiculae laterales racheo respectu transverse positae, glumae valvis irregularibus. Spicula bivalvis, valvae magis minusve inaequales, coriaceae (demum artilagineae), 5—13-costatae concavae ecarinatae, basi haud connatae, oppositae persistentes (siniul ac florum paleae a spicula fructifera una

cum rhacheos articulo respondente deciduo nunquam solutae), apice 1—5-aristatae vel dentatae integerrimae et exaristatae, in spicula terminali aequilatera, in spiculis lateralibus inaequilatae (interdum subdimidiatae). Glumella bipaleacea (at in floribus summis neutris haud raro ad paleam externam reducta). Palea externa chartaceo-herbacea (demum saltern in exserta parte coriacea concava ecarinata quinquenervia (nervis a basi ad medium vel paulo altius filiformibus, supra medium sensim crassioribus conniventibus, haud raro sub apice confluentibus), oblonga vel oblongo-lanceolata, marginibus subinflexa, in spicularum lateralium floribus haud raro inaequilata, modo aristata, modo exaristata, in spicula terminali constanter aequilatera et apice speciebus plerisque 1—3-aristata, speciebus paucis in spiculis omnibus apice obtusum mutico exaristato. Palea interna externa paulo minor, membranacea hyalina oblonga vel linear-oblonga, carinato-binervia (carinis dorso saltern a medio ad apicem cartilagineo-marginatis et ciliatis vel serrulatis), marginibus inflexa, dorso sub anthesi magis minusve complicata, apice truncata vel retusa vel bifida, exaristata. Stamina 3. Pistillum et squamulae hypogynae *Hordeacearum*. Caryopsis (*Hordeacearum* more involuta et apice barbata, basi radícula prominente umbonata) paleae adhaerens. — Plantae annuae multicaules, radice fibrosa, Folia angusta plana striata, nervo medio subtus prominente, radicalia elongata, caulina breviora. Vaginae involutae, ore pilosae, summae interdum ventricosae. Ligula truncata vel dentata subcartilaginea brevissima. Caules simplicissimi, inferne geniculati et magis minusve decumbentes, articulo summo elongato, demum longius breviusve supra folii ultimi vaginam exserto. Spicae florescentia ab apice deorsum progrediens; quavis autem spicula flores infimi praecociosiores. Rhachis ad articulationes demum fragilis vel quibusdam speciebus tenax, articuli spatulati, dorso convexi, ante spiculam concavi, in argine aculeolati. — *Aegilops* valvis paleisve exaristatis aut uni-aristatis a *Triticis* cerealibus solummodo gluma ecarinata (ideoque vix genere) essentialiter differunt.

Subgenus 1. SITOPSIS Jaub. a- Spach 1. c. p. 352.

Spica gracilis elongata sublinearis, rhachi parallele compressiuscula, e spiculis 7 vel saepius pluribus (interdum 20—25), rhacheos internodiis longioribus (ideoque distiche contiguis vel imbricatis) oblongo-lanceolatis haud ventricosis subdivergentibus (saltern sub anthesi composita), vix conspicue caudata (aristae nempe spiculae terminalis aristis spicularum lateralium superiorum paulo solum longiores et crassiores vel aequitenuis sunt). Glumae valvae in omnibus spiculis exaristatae. Glumellae palea externa uniaristata vel in spiculis lateralibus infimis exaristata; aristae in spiculis superioribus sensim quam inferiores longiores.

1. AE. BICORNIS Jaub. ft Spach I. cit. p. 352 et III plant. Orient, tab. 309. — Spica stricta densa. Spiculae 3- vel 4-florae subimbricatae, internodiis rhacheos serie el pluri longiores. Spiculae terminalis aristae aristis spicularum lateralium summarum vix aut ne vix crassiores el paulo longiores (ideoque parum exsertae), spica ipsa subaequaliter longae, omnes strictae. Gluma spicula (haud compilatis florum aristis) paulo brevior valvae spicularum lateralium oblique oblongae, inaequaliter 4—6-costatae, apice lunato-vel emarginato-bidentatae, muticae; valvae spiculae terminalis lineari-oblongae costatae, apice 2-vel 3-dentatae (vel interdum altera integerrima.) — *Triticum* Weibull. Forsk. — *Crithodium Aegyptiacum* Trin. — Habitat in Aegypto.

- 2 Ah SPELTOIDES Tausch, Flora (B Z) XXXIX 109 — Jaub ft Spach 1. c 353. et Ulustr pi orient tab 316 — Spica laxiuscula flexuosa Spiculae 5—7-florae, disiiiche subcontiguae (miernodns rhacheos subsemel longiores) Spiculae termmalis aristae anslis spicularum lateralium summarum robustiores at paulo longiores ipsa spica paulo breviores, omnes magis minusve flexuosae Gluma spicula (baud computatis florum anstis) subsemel brevior, valvae spicularum lateralium oblique cuneiformes, Inaequaliter 9—13-costatae, apice truncalo mtegemmo excentrice mucronatae vel mucronato-acuminulatae, valvae spiculae termmalis oblongae, 7-vel 9-costatae, apice rotundato modo integernmae, modo retusae, muticae vel mucronulane — Pama mcerta, vensimiliter in Onente quaerenda

Subgenus CYLINDROPYBUM Jaub ft Spach 1 c p 353

, Spica elongata crassmscula subteres stnctissima subulato-cyhndracea, naud torulosa, e spiculis 5 (saepius plunbus) 11 rhacheos internodus subaequilongis (haud computatis anstis) adpressis ovato- vel oblongo-Janceolatis haud ventncosis composita, spiculae termmalis anstis (aut glumae atit glumelJae) conspicue bicaudata (caudis haud raro ipsa spica aequiloDgis vel longioribus) vel subcomosa Glumae valvae glumellaeque palea externa aut exanstata aut unianstata; aristae in spicuis lateralibus multo quam in spicula termmah breviores et tenuiores.

A Glumae valvae in spiculis omnibus exanstatae et apice truncatae vel rotundatae Florum spiculae term in ah s palea externa ad aristae basin utnnque rotundato-emarginata, arista tenuis, spicae longitudme dimidio breior vel vix aequalis Palea interna apice rotundato-truncata Caryopsis profunde jnvoJuta (sectione transversa remformis)

- ³ *AE SQUARROSA Linn Spec plant (ed 2) p 1489 — Knth 1 c 458 no 4 — Schreb Gram lasc 2 p 44 lab 27 flg 2 (rudis) — Tausch, in Flora (Bot 'eit) XX p 108 — Hohenack Enum plant Talsch p 19 - Jaub ft Spach III plant Orient tab 310 (Non *Aegilops squarroia* (avan Ic, noc Deaf Atl nee Duby Hot Gall, nee Requien Exs, nee Mutel Fl Fr, nee Kunih Descr Gram, DOC Cosson Notes cnt) — *Gramen lolwceum spurtum, spica ci asstore artstata* Buxb Gent I ⁸⁸> 50 (mala) — *Aegilops cylmdnca* var *Taunca* Roem ft bchult Syst. Teg 2 p. 771 (<* Tausch) *Aegilops Tauschu* Coss Notes critiques, faac 2 (Juillet 1850) p 69 — ^{Poisan} *Aegilops cylmdnca* C A Meyer, Enum plant Gaucas p 26 (non Host, nee ^{Slc}ik et Sm) — Habitat in Iberia, Albania et Tauria

^{Ji} Glumae valvae in spiculis laterahbus breviter anstatae vel bi-
^t^{U8}pidatae, in spicula termmah longe vel Jongissime anstatae (arista
^T^{XII}>>> magis minusve robusta, spicae longiludinem ant totam aut saltern
jumidiam aequante) Florum spiculae termmalis palea externa apice
[^]^{Lri}ique ad aristae basin cuspidulata. Palea interna apice truncato-
^{em}arginata> Caryopsis sulculo haud profundo canaliculata, sectione
^{lr}ansversa sublenticulans.

- ⁴ ^{^E} ^YLINDRICA Host, Gram Austr II p 6 tab 7 (nee alior) - Jaub fr Spach
¹ c 351 ft uiustr p] orient tab 311 — Spica apice subcomosa (ob spiculam term-
^mnallem conspicue tn- vel quadnanstatam), aristis majoribus subdimidio longior
^sPiculae terminalis valvae in anstam gracilem (breviorem anslis florum duorum mfl-
^{m.o} u ^m ejusdem spiculae) productae Floium palea externa in spiculis lateialibus

irregiilariter 2- vel 3-cuspidulata exaristata, in spicula terminali uniaristata.

- ⁸. *AE. COMOSA Sibth. a Sm. Flor. Graec. I. 75. tab. 94. - Knth. I. c. 458. no. 6. — Jaub. ft Spach, Illusir. plant, orient, tab. 314. — Habitat in Peloponneso et Archipelago Graeco.

Subgenus V. UROPYRUM feub. ft Spach. 1. c. 357.

Spica gracilis elongata sublinearis flexuosa, laxè dislichà, e spiculis 7-9 invicem remotis rhacheos internodiis elongatis vix aut ne vix quidem longioribus oblongo-lanceolatis non ventricosis subadpressis composita, spiculae terminalis aristis longe bicaudata. Glumae valvae in spiculis omnibus exaristatae. Glumellae palea externa in spiculis aleraiibus exaristata mucronata, in spiculae terminalis floribus duobus mfimis longissime uniaristata.

- ⁹. *AE. MACRURA Jaub. a Spach, Illustr. pi. orient, tab. 315. - Habitat in agro Halpensi.

Subgenus VI. AMBLYOPYRUM Jaub. & Spach 1. c. 358.

Spica gracilis elongata linearis flexuosa subteres, distiche iqterrupta, ecaudata, e spiculis 7—15 rhacheos internodiis elongatis subbrevioribus ovato- vel obJongo-Janceolatis non ventricosis composite. Glumellae palea externa apice rotimdato mulica, simul ac gluma<e valvae in spiculis omnibus exaristata.

- ¹⁰. AE. TRIFSACOIDES Jaub. ft Spach 1. c. 358. et Illustr. plant, oriem. tab. 200. — (Wlprs. Annal. I. 949. no. 1.) — Spiculae subquinqueflorae, gluina patto longiores. Glumae valvae cuneato - obtongae, apice lunato-biouspidulalae el (spiculis lateralibus) •n sinu excentrice unidentatae. — Habitat in Caria.
- ^U. AE. LOLIACEA Jaub. ft Spach 1. c. el Illustr. pi. orient, tab. 317. — Sjmonelee sub- »eptemflorae (5—8-florae) gluina subsemel loogiores. Glumae valvae cuMiforae, ^aPice lunato-bflobuJatae et (apiculis lateralibus) io ainu ezcaptrke wideBMue vef Sub- ^a«quaJiter (ridentaiae. — Uabitu in Cappadocia.

Tribus XII, *ROTTBOELLIACEAE* KnUi. 1. c. 460.

924. OPHIIIttUS A. Br.

(Kntb. finumer. L 461)

- ¹. UNDATUS N. ab £. in Hook. Kew gard. mite. H. ftO. - G»lno simplici menoBta- h W> spica exsena teretiuaacula, ad latera undatim suleata; gluma inferiors ofetusa ^{obs} o:ete basi leviler w^* I flo*^10 inriore bivahi; foliis aof^ste Nneatibns uni- ^{er}viis sirictis laevibus. — Habitat in insulis Philippinis.

927. ROTTBOEIIA R. Br.

(Knth. Enumer. I. 466, Suppl. 376. — Wlprs. Annal. I. 950.)

- †. %. ARUNDINACEA Hochst. mss. ex A. Richard, Tent. flor. Abyss. II. 494. - Culmo erecto firmo sublignoso 3—4-pedali; foliis longissimis anguste lanceolatis acutissimis spinoso-ciliatis plicatis, superne pilosis; vaginis laxis hispidis; spicis teretibus elongatis pedunculatis teretibus gracilibus e vagina foliorum supremorum erumpentibus; rhachi articulate; spiculis geminis, alterius biflorae rhachi immersae valvula exteriori oblonga acuta coriacea; flore exteriori unipaleaceo neutro. — Habitat ad rupes in Abyssinia valle Mai Mezano.

Tribus XIII. ANDROPOGONEAE Knth. I. c. 470.

939. SACCHARUM Linn.

(Knth. Enumer. -I. 474, Suppl. 384.)

1. S. ALOPECURUS N. ab E. in Hook. Kewgard. misc. II. 100. f— Foliis planis, margin⁰ scabris; paniculae lanceolatae densae ramis lenacibus laxis tenuibus undatis laevibus*, plerisque verticillatis, rhachi communi laevi sulcata, pedicellis glabris; spicula la¹¹⁰ breviora utraque hermaphrodita caduca 1-andra, flosculo neutro univalvi hermaphroditoque bivalvi conformibus membranaceis ciliatis, hermaphroditum valvula inferior⁰ lanceolata, ex apice bidente setuligera, seta in aliis brevissima in aliis spicula dupl^o longiore. — Habitat in insulis Philippinis.
2. S. DENSUM N. ab E. 1. c. f — Foliis linearibus planis, apice convuluto - subulatis[>] margine scabris; paniculae amptae densissimae subovalis ramis subsimplicibus el⁰⁰ gatis, plus minus serpentinis tenacibus pedicellisque glabris, rhachi communi striat¹ laevi; spiculis caducis lana brevioribus utraque fertili; glumis chartaceis laeviusculⁱⁿ flosculi hermaphroditum bivalvis ciliati valvula inferiore lanceolata ex apice setig^o seta spicula duplo longiore. — Habitat in insulis Philippinis.
3. S. GRANDIFLORUM Wlprs. mss. f — Annum: culmo erecto 1-3-pedali, praesertim in nodis hirsuto; foliis lanceolatis acutissimis, margine et an¹ mus retrorsum scabr^{is} ligula sericea brevi; vagina hirta ciliata; panicula ramoſa elongate ramoſa, rⁱⁿdo u flexuosis hirtellis; spiculis oblongis trifloris, pilis longissimis purpurascensibus sericeis cinctis; lepicenae valvula inferiore abortiva, superiore minima angusta a^oo, 2 ricea, a basi florura separata; flore inferiore 1-paleaceo neutro, medio masculino leaceo, superiore hermaphroditum bipaleaceo; floris neutrius palea oblonga, apice tuse bifida, pilis longissimis sericeis purpurascensibus nitentibus obtecta, u^o ciliata, ex incisura aristata; arista brevi scabra; floris masculi palea exteriori mili, interiore angusta bicarinata acuta ciliata, in carinis scabra; floris hermaphroditum paleis squama brevioribus coriaceis glabris, exteriori apice obtusa, interiore aou^o *Tricholaena grandiflora* Hochst. mss. ex A. Richard, Tent. flor. Abyss. II. ***. hitat in Abyssinia regno Ghoo.

4. *S. LONGISETUM* Wlprs. mss. — Culmo erecto ramoso hirtello, in nodis subtonientoso 2—3-pedali; foliis late lanceolatis acutis rigidis brevibus, margine luberculato-ciliatis retrorsum scabris; ligula membranacea brevi Qmbriato - pilosa; vaginis pilosopubentibus ciliatis; panicula elongate angusta conferliflora; spiculia breviter pedunculatis angustis, basi articulatis deciduis, irifloris, undique pilis longissimis nitentibus sericeo - subviolaceis cinctis obtectisque; lepicenae valvula inferiore nulla, superiore flosculis appressn brevissima angusta; floris masculi bipaleacei el floris neutrius unipaleacei palea exteriore sioili oblonga angusta, pilis longissimis nitentibus undique obiecta, apice bifido-dentata, dentibus subacuiis, arista infraapicali gracili paleam superame scabra. — *Tncholaena longiseta* Hochst. mss. ex A. Richard I. c. 446. — Habitat in Abyssiniae provincia Cbire locis montosis et in vallibus.
5. *S. SPHACELATUM* Wlprs. mss. — Foliis glabris lanceolato-linearibus, vaginarura ore geniculisque barbatis; panicula ramosa floribunda; gluma superiore valvulaque floris masculi inferiore hyalino - albidis, dorso longe piliferis, acumine fusco glabro, antice ciliato, sub apice longe setifero. — *Tncholaena uphacelata* Benth. in Hook. Niger Flora 559. — Crescit in montibus Quorra prope Pandiaki in Africa iropica occidental.

943/j. *PSUOPOeOST* Hochst. mis.

(Hochst. mss. ex A. Richard, Tent. flor. Abyss. II. 447. — Wlprs. Annal. I. 951.)

„Le genre *Psilopogon*, dont Mr. Hochstetter n'a pas donné les caractères, me paraît très voisin de mon genre *Alectoridia*. Il en diffère par deux caractères: 1) ses épillettes sont gemines, l'une sessile et hermaphrodite, l'autre pédicelle' et neutre, 2) la valve interne de l'épillette dans l'épillet sessile se termine par une soie courte.”

- L. PS. *SCHIMPERI* Hochst. mss. ex A. Richard I. c. 447. - Annuus. culmo gracili palman ramoso erecto glabro, nodis hirsutis; foliis ellipticis acutissimis latis brevibus pilosis, margine ciliatis; ligula sericea; vaginis inflatis hirsutis; spiculis terminulibus subquinis digitato - racemosis, axi setoso; spiculis geminis, una sessili, altera pedicellata, pedicello sericeo; spiculae sessilia lanceolatae acutissimae valvula exteriore dorso nervosa scabra acuta, interiore longiore apice sensino apiculato - setosa; paleis membranaceis tenuibus dimidio brevioribus, superiore ex ima basi aristam longam seniculatam emittente; spicula pedicellate neutra mutica. — Habitat in Abyssiniae Provincia Chire.

943/. *ALIKTORIDIA* Ach. Richard.

(A. Richard, Tent. nor. Abyss. II. 447. tab. 102.)

Spiculae uniflorae sessiles. Lepicenae valvae subcoriaceae muticae, exterior convexa acuta, basi subinflata striata interna angustior, dorso obtuse carinata coriacea, marginibus tenuissimis. Paleae membranaceae subaequales hyalinae glabrae, exterior mutica acuta, interior ima basi cristata, arista basi tortili, in medio geniculata et subulata. Stamina... ? Fructus oblongus compressus, paleas aequans; paleola unica? crassa foliosa « fructui applicata. — Culmus ramosissimus erectus. Folia lata ovalia acuta, basi subcordata pubescentia ciliata, ligula membranacea.

bianacea truncata fimbriata, vaginae laevae, spiculae albae sessilis spicatae, spicis fasciculato-racemosis

- 1 QUARTINIANA A. Richard I c p 448 — Habitat ad marginem stagnorum in Abyssinia

945. EXIOSTITIUS Willd

(Kunze Enumer. I 480, Suppl. I 390)

- 1 L. UOYLLANUS N. B. H. mss. ex A. Richard, Tent. flor. Abyss. II 471 — Culmo terete pediculi gracili, foliis linearibus nervosis, pilis longis raris conspersis ligulae pilosae, vaginae glabrae, spicis 2—3 alternis e vagina foliorum Nijperiorum nuda oris, spiculae sessilis valvulae extenore coriacea, apice truncata, profunde bifida, dorso dense setosa, margine in appendices bives metes nunciatas claviculae pilorum terminatas raris, minore nuda, pilis (< nudi membranaceis aculis mucicis glabris, spiculae pellicellulis neutris muticis — Habitat in declivitate Abjissimae ad fluvium Tincazze ripam sinistram

945A. AFITTHISTIRIA Linn.

(Kunze Enumer. 481, Suppl. 793.)

- † PUNCTATA Hochst. mss. ex A. Richard, Tent. flor. Abyss. II 448 — Perennans culmo erecto 2—3-pedali glauco, foliis linearibus, margine scabris, versus partem inferiorem pilosis, ligula membranacea obtusa dissecta, vaginae dilatatae compressae glabrae glaucis, foliis superioribus sensim decrescentibus plicatis compressis spathaciformibus, spiculis aggregato-globularibus, glomerulis subsessilibus, spiculis septenis, involucri communi oblongo quadrato subquadrato valvatis connatis lanceolatis aculis erectis, externe convexis praesertim in parte superiore pilosis, pilis longis e tuberculo prominulo enatis, flonibus 4 extenonibus squamis oppositis nervis bipaleaceis mucicis, floie centrali hemisphaerico sessili, pilis succis fuscis cincto, duobus pedicellatis longioribus mucicis muticis, spiculae sessilis lepidicae valvulae extenore oblongo (Oenocochlea convoluta, apice obtusiuscula et in parte superiore birta, intus angustiore ipse truncata, floie neutro umbraculo intico, palea extenore angustia brevi, apice junctura longissima robusta subulate puberula terminata — Habitat in Abyssinia
- * Sana
- ‡ A. ABYSSINICA Llochs. mss. ex A. Richard I c 449 — Culmo erecto bipedalibus foliis linearibus sparse pilosis convolutis, ligula longissima membranacea oblonga ipse suberosa vaginae glabrae, foliis superioribus in biacteis spathaciformes compressas acutis reductis, glomerulis spicularum 1—2, involucri communis squamiformis lanceolatis aculis subcompressis, raarum tenuionibus scaberulis sinatis glabris, inferioribus, flonibus inferioribus (valvis oppositis) sessilibus bipaleaceis nervis pilosis flonibus centralibus 3, quorum 2 longiuscule stipitatis, nervis bivalvibus oculis mucicis, spiculae centralis basi pilis cinctae lepidicae valvulis lanceolatis aculis aequilongis, extenore trimeria; palea extenore floris hermaphroditi linearis, apice in affixione longissimam robustam desinenti. — Habitat in Abyssinia regno Tigre

- 3 A MULTIPLEX Hochst mss ex A Richard I c 449 — Annu culmo erecto simplici pedali, lacinis lanceolatis angustis, margine scabris, junctis sparse et molliter pilosociliatis, ligula membranacea brevi truncata denticulate, vaginis superioribus inflatis, superioribus longis acutis spatuliformibus, spicularum glomerulis multifloris, involucri communis valvis lanceolatis acutissimis striatis, margine distanter ciliatis, flonibus inferioribus (valvis oppositis) neutris umbraticis, spiculis fertilibus tribus antheris in axi dense senceo superpositis, flore neutro ciliato ad basin singularum spicularum, duobus ad basin spiculae supremae, lepidiceneae valvulae exterioris involucri acuta bifida hirsuta, antheris paleae extensorum crassis subulatis flexuosis aureo-sencei* — Habitat in Abyssinia montibus distinctus Bahara in provincia Sina
- 1 A MEMBRANACEA Lindl in Mitchell, Journal of tropical Australia p 88 adnot — Involucris cernuis, margine membranaceis, foliis vaginisque glaberrimis, flonibus venicillatis. pedicellatis (masculis*), glumis omnibus scabris arista flaberrima gluma trijuga longiore — Cuiusmodi in Australia orientali tropica

949A. *Juncus OSTACHYHOUS* Parl

(Parlatore in Hooker, Niger Flora p 190.)

Spiculae triflorae, flosculo minore neutro univalvi, medio intermedium phidito, superioreque masculino bivalvi. Valva calycina unica, a fratribus remota lineans membranacea mutica, flosculis valde brevior. Flosculi inferioribus \alva corollina unica concavo-carnata, apice bifida, e summo antheris, arista setacea subulata recta, arefactione subflexuosa. Flosculi medio valvae corollinae duae, subaequales membranaceae muticae concavo-cannatae, apice obtuse bifidae. Stamina tria. Stylus brevis. Stigmata aspeigilliformia? Cuiusmodi ...? Flosculi superiores \alvae corollinae duae, subaequales, inferior valvula corollinae flosculi inferioris aemulans, superior bicannata, apice subbifida. — Genus spicularum structura, quae difficiliter explicanda, certe singularis et ab omnibus generum genere omnino distinctum.

- ¹ *MILLOSUM Parl 1 c 191. — Crescit in insula St Jacob ad Cap Verd

949*. *CHRYSOPOGON* Tonn

(Tonn in Fuchs Agrost 161 — Lindl Gen plant p 198 no 950 c)

- ¹ CUIUS QUIESQUEPLUMIS A Richard, Tentamen florae Abyssiniae II 450 - Glaucus culmo erecto sesquipedali gracili glabro, foliis linearibus glabris, panicula terminali parce nervosa, spiculis longe pedicellatis pallidiusculis, pilis lanceolatis albis basi cinctis, spiculae cernuis sessili, duabus lateralibus pedicellatis, pedicello utroque dense ciliato, pedicellulae sessilis \alvula extensorum lanceolata acuta corollinae glabrae ciliata, mteinae biduae et in setam phimosam abunde, arista paleae imbricatae longa pilosiuscula, pedicellis lateralibus pedicellatis masculis, valvulis apice in setam plumosam desinensibus — *Andropogon quiesqueplumus* Hochst inss — Habitat in Abyssinia angustia fluvii Tacazze

950. ASTDROPOCtOnr Linn.

(Knth. Enumer. I. 485, Suppl. 396. — Wlprs. Annal. I. 952.)

I. Axis spicata.

ot. *Spids solitarii*8.

1. A. DONIANUS Bnth. in Hook. Niger Flora 570. — Culmo ramoso vaginisque laevibus; spicis longe pedunculalis solitariis muticis; rhachibus sericeo-barbalis; spiculis geminis, hermaphroditae gluma exteriori bimucronata pectinato - ciliata, neutrius pedicellatae acuminata Integra. — Sierra Leone.
2. A. PULCHELLUS Don mss. ex Flook. 1. c. 571. — Gulmo ascendens compresso superne paniculato; foliis brevibus; spicis solitariis; rhachi pilis longissimis barbata; spiculis geminis, hermaphroditae gluma exteriori multinervi bicuspidata brevissime ciliolata; floris hermaphroditi arista tenui spiculae aequilonga; pedicello masculo spiculam superante; gluma exteriori multinervi setaceo - acuminata. — Crescit ad luvium Gambia in Africa tropica occidentali.
3. A. LÉPTOSTA.CHYUS Bnth. in Hooker 1. c. p. 571. — Culmo erecto stricio ramoso; vnginis inferioribus hirsutis; foliis planis; spicis solitariis tenuibus; rhachi ad articulationes breviter ciliata; spiculis geminis, hermaphroditae gluma exteriori bicuspidata binervi vix ciliata; paleae arista tenui vix spiculam triplo superante, masculae pedicello bine ciliolato, gluma exteriori subtrinervi bicuspidata uniarislata. — Crescit in montibus Quorra in Africa tropica occidentali.
4. A. CAESPITOSUS A. Richard, Tentam. flor. Abyssin. 451. — Perennis caespitica densa efformans: culmo erecto bipedali glabro; foliis linearibus angustissimis convolutis scabris rigidiusculis, versus imam partem pilis longis obsitis; ligula brevissima sericea; vaginis glabris laevibusque inflatis, supremis spathaeformibus: spica terminali solitaria, caulis ramos terminanti, hinc culmo mono — trisulcho; spiculae sessilis vuvula exteriori lanceolata acutissima, pilis longissimis dense obtecta, dorso plana bine et illinc/lateraliter carinata ciliata, interna plana consimili; flore hermaphrodito mitico; spicula pedicellata mutica. — Habitat in Abyssinia.
5. A. PETITIANUS A. Richard I. c. — Annuus: culmo caespitoso erecto sesquipedali bipedali gracili glabro; foliis linearibus acutis glabris, retrorsum scaberulis; ligula membranacea brevissima obtusa; vaginis glabris laevibus; spicis 3—4 solitariis longe pedunculalis distantibus, e vagina foliorum supremorum ortis, infixo spathaeformi or velalis longioribus gracilibus; axi communi ex articulis superpositis, apice concavo dilatatis cynthiformibus, margine inaequalibus glabris; spiculis binis subsessilibus exterioris masculinae paulo longioris vuvula exteriori pilis albis sericea, apice sensu aristata; spiculae interioris masculinae - hermaphroditae vuvula exteriori apice acutissima bifida, externe pilis albis sericea, interiore tenuiore latiore carinata acutissima infixo in selulara brevem attenuate; floris hermaphroditi arista spiculam duplo superante gracili, basi torlili. — Habitat in Abyssinia.
6. A. FLACCIDUS A. Richard 1. c. p. 452. — Annuus gracilis: culmo erecto palmari gracili glabro; foliis linearibus brevibus obtusissimis tenuibus, scabris glabris; ligula membranacea truncata fimbriata; vaginis compressis ancip-

carinatis, in carina scabris; spicis solitariis pedunculatis, e vagina foliorum onis, bractea spathaeformi suffultis brevibus, ex articulis 3—4 apice dilatato - concavis sericeis formati; spiculis geminis subsessilibus, undique valde sericeis; valvula exterior spiculae masculae apice aristata; arista floris hermaphroditi longiore geniculata. — Habitat in Abyssiniae provincia Ghire.

p. *Spicis geminatis terminalibus.*

f *Spiculis pedicellatis aristatis.*

9. A. HUMILIS Hoobst. mss. ex A. Richard 1. c. 453. — Palmaris caespitosus annuus: culmo erecto geniculato glabro; foliis linearibus acutis pilosis, raargine retrorsum subscaberulis; ligula membranacea prominula tenuissime fimbriata; vaginis inflatis glabrisculis, supremis, lamina folii minima, subspathaeformibus; spicis terminalibus geminis, unam unciam longis; rhachi communi utrinque ciliata; spiculae sessilis lepicenae valvulae exterior lanceolata acuta, dorso plana striata scaberula, margine ciliolata, interne consimili apice in aristam breviusculam tenuem abeunte; arista floris hermaphroditi spiculam triplo superante; spicula pedicellate apice breviter biaristata. — Habitat in Abyssiniae rupibus prope Tchenausa.
8. A. ABYSSINIGUS R. Br. in Salt, Yoy. Abyss. . . ? — A. Richard 1. c. 454. — Culmo erecto bipedali glabro; foliis angustis acutis glabris, margine tantum retrorsum scabris; ligula membranacea, vaginis laxiusculis glabris laevibus; spicis geminis uncialibus triuncialibus dense sericeis; spiculae sessilis valvulae exterior lanceolata acutissima, pilis longissimis nitentibus dense sericea tenuissime ciliata, interne subcarinata sericea, apice in aristam gracilem scabram desinente; floris neutrius palea lanceolata acuta; floris hermaphroditi palea exteriora alte et acute bifida, arista longissima medio inflexa, basi torta; spicula pedicellate mascula biaristata. — In Abyssiniae monte Scleuda.
9. A. SQUAMULATUS Hochst. mss. ex A. Richard 1. c. p. 454. — Culmo erecto robusto 5—6-pedali ramoso; foliis late lanceolatis acutis pedibus et ultra, margine subtusque asperis; ligula membranacea obtusa, margine fimbriata; vaginis laxis glabris; spicis geminis biuncialibus longissime pedunculatis, pedunculis bractea longa acuta convolute vaginatis et quasi paniculam longissimam laxam efformantibus; axi communi unguato, pilis albis longis sericeis onusto; spiculae sessilis biflorae valvulis lanceolatis acutis, externa dorso plana, binis et illinc carinata, margine et in carinis scabro-ciliatis, in dorso sulco longitudinali exarata, interiore oblonga acuta, pilis longissimis sericeis albis dorso ornata; palea floris neutriusculasima lepicenam aequante; floris hermaphroditi palea exterior tenuissima ciliatissima, apice bifida; arista longa robusta scabra, in medio subflexuosa; spicula pedicellate uniflora mascula; valvulae exterior apice breviter aristata. — Habitat in locis montosis Abyssiniae provinciae Chire. JK*
10. A. POLYATHERDS Hochst. mss. ex A. Richard 1. c. p. 455. — Culmo erecto bipedali glabro; foliis linearibus acutis pilosis; ligula membranacea fimbriata, pilis longis sparse cincta; vaginis glabris; spicis geminatis 2—3-uncialibus compressis; rhachi communi pilis longis obsita, rarius glabra; spiculis basi pilis cinctis; spiculae sessilis valvulae exterior lanceolata acutissima, dorso planiuscule nervosa, margine ciliata, pilis longis dispersa, interiore apice arista tenui brevi terminali; palea exterior floris hermaphroditi apice profunde bifida ciliata; arista dorsali robusta tortilis, medio geniculata; spicula pedicellata hermaphrodita; valvulae interior et palea exterior apice aristata. — *Andropogon multinervis* Hochst. mss. — *A. glabrescens* Hochst. mss. — Habitat in Abyssiniae montosis prov. Ouodgerate.

ff *Sjncuhs peihcellatis mulicis*

- 11 A SCIIRFNSIS Hochst mss ox A Richard 1 c 456 — Culmo eiecto tnpedali glabro, folns linctinbus acutissinus glabns glnucjs, margine spinuloso-scabns, ngidius-CUIJS, ligula brevissima obtusissima, margine tenuissime llmbnata, vagims glabns laevibus, spicis terminalibus gemmis erectis approximatis, rhachi utnnque dense ciliata, spiculae sessilis valvula exteriore in centro sulco longitudmali depiessa, obtuse bicanala, apice subtruncata, doiso glabra ciliolata, interni apice acuta, arista paleae mteinae flons hermaphiodili longissima, basi torlili et flexuosa, spicula pedicellala mutica — Habitat in Abyssinia planine Ghire

Y *Spicis fasacvlalo-lacemosw*

- 12 A CLSPIDATUS Hochsr mss ex A Richard I c 456 — Annuus culmo eiecto vix pedfili, basi subrcpente, folus late lanceolatis acutis, ciliatis, praesertim superne pi* losis bievibus, ligula membianacea flmbnata, vagims inflatis pilosis ciliatis, spicis 5—10 subdignato-racemosis, axi communi longe senceis, spiculis terms, spiculae sessilis basi pilis senceis cinctae valvula extenoie conacea lanceolata acuta, spjnuloso-enndcea pallida, mterna lanceolata acutissima, dorso cannata et in canna spinulosa, **3** sine tenui membranacea, paleae supenons ansta inplo longiore geniculata, spifclateialibus pedicellatis, pedicellis longe senceis, alteia neutra aboitiente, alteiff on mascula, utraque spinulosa et mutica — Habitat in Abyssinia monlibus pi ope Tchelaicheianne
- 13 A PAPJLLOSUS Hochst mss ex A Richard 1 c 457 — Culmo erecto a basi rainoso ?—3-pedali, nodis piloso-senceis, folus lanceolatis aculissimis ngidis, superne tubei-cuhlo-pilosis, ligula membrfliiacea obtusa tenuissime flmbnala et pilis longis **obata**, vngmis in paite supenore dense cilialis, spicis terminalibus 3—5 fasciculatis, **breviter** pedicellatis, spicuhe sessilis lepiceinae valvula exteriore dorso plana, lateraliter **hunc** et illuic cannata acutiuscula, pilis longissimis basi subtuberculatis hirta, flons **hermaphioditi** **oust**** longissima m medio subinlexa, basi tort/li, spicula pedlcellata **mutica** — Habitat in piatis paludosis exsiccalis in Abyssinia provincia Chire
- J4 A BRA(HYATIILRUS Hodist mss ex A Richard 1 c 457 - Perennis caespilosP⁸ culmo eiecto bipedili glabro, folus glabns laevibus, ligula membranacea, **vaginis** glabns, *picis 2—3 fasciculatis compressis appressis erectis violaceis, spiculae **sessilis** \alvula extenoie lanceolata acuta, dorso plana, hinc et illinc lateraliter **carinata** in canm» scabra, palea flons neuttjus lanceolata acuta tenui membrandcca, **Oris her-** maphrodiu an&ta bievi spirnliter torta paleam aequante. spicula pedicellata **mutica** — Habitat in Abyeystmae paludosis plamlie montanac Walcha
- 15 A INSCULPTUS Hochst mts ex A Richard 1 c 458 — Culrao erecto bipedali V*, bro ad nodos pilis longiusculis cincto, folus lineanbus glabns glaucis, subtⁿ el maigine ret!oisum scabns, ligula membranacea hrevi obtnsa, margine **limbata et** pilis longis stipata, \agims inflatis glabns laevibus, spicis 4—8gracilibus, basi **breviter** pedunculatis alteims ant oppositis subracemosis, ihachi communi longe setosa, **apiculis** subdistantibus pilis albis ntenubus cinctis, lepiceinae >al\ula exienore lanceolata, **dors^o** plaua et apice glabra obtusiuscula, Idteralitei bine et illinc cannata, in canna s **scabra** et superne spinuloso-ciliata, versus partem supenoiem in foveola profunda e***sculpta**, mterna acuta dorso cannata, ansta paleae exlenons flons hermaphioditi robust^a **scabra** toMili, m mtdio geniculata, spiculae pedicellalae muticie valvula extenore w **scabris** tnbus superfclialibus noiata — Habitat ID Abyssinia montosis piovinciae **Chire**

16. A. SERRULA. TCS A. Richard 1. c. 458. — Culmo erecto ramoso glabro, in nodis pubenti-piloso; foliis elliptico-lanceolatis acutis glaucis pubentibus, margine tuberculato-ciliatis; ligula membranacea longiuscula; vaginis hispidis; spicis gracilibus, racemum terminalem efformantibus; spiculis geminis; spiculae sessilis valvula exteriori coriacea, dorso plana violacea, marginibus tenui-membranacea ciliata, dorso laterali tuberculis spinaeformibus per duas series utrinque dispositis notata, interiore lanceolata acuta mutica, colore pallida; arista paleae superioris duplo longiore, in medio geniculata; spiculae pedicellatae muiccae valvula exteriori dorso nervosa, nervis tuberculatis. — *Baihratherum scrrulahtm* Hochst. mss. — Habitat in Abyssinia circa Adoua et in monte Selleuda.

5. *Spicis geminalis paniculalis.*

17. *A. HIRTUS L. — Knib. I. c. 492. no. 41. — A. Richard 1. c. 459. — *Androp. pubescent* V. s. — *A. podotrichus* Hochst. mss. — *Trachypogon hirtus* N. ab E. in Mart. Flor. Brasil. II. 346.
18. A. PAPILLIPES Hochst. mss. ex A. Rich. 1. c. 460. — Perennis: culmo erecto tripedali glabro et glauco; foliis linearibus acutissimis glaucis scabris, nisi ima basi pilosa glabris; ligula membranacea elongata, apice truncate denticulate; vaginis glabris laevibus; panicula distantiflora et rariflora; spicis geminatis longitame pedunculatis; pedunculo capillari glabro; bractea spathaeformi longa valde angusta lineari acuta plicata dorso cerinota, in carina scabra, margine ciliolata; pedicello (e basi interna hftotee spalaeformis enato) longissimo capillari, bracteam superante, apice inflexo, ffparte superiore papillose setoso; spicis abrupte ex apice pedicelli ascendenti multifloris subaequalibus; spiculae sessilis valvula exteriori apice truncate, margine ciliata hirtella interna acula; spiculis pedicellatis nervosis glabris, margine ciliatis muticis, arista floris hermaphroditi longa robusta fulvo-sericea geniculata. — *Androgogon <rrhenobasis* Hochst. mss. — Habitat in Abyssiniae locis montosis et incultis.
19. A. COMOSUS Hochst. mss. ex A. Rich. 1. c. 461. — Perennis: culmo erecto 5 — 6-pedali glabro; foliis late lanceolatis longis acutissimis, margine subtusque scaberrimis, acie interna versus partem inferiorem pilis longis conspersis; ligula membranacea oblonga obtusa; vaginis laxiusculis hirtis; panicula amplissima elongata dense; spiculis geminatis longe pedunculatis; bractea spathaeformi longissima angusta lineari acuta plicata glabra, margine ciliolata; pedicello supra basin spathae capillari, panto breviori, versus partem superiorem infurvo tuberculato-piloso; spicis surrectis, in utraque spiculis masculo-hermaphroditis 3-4 sericeis nervosis; arista longissima flexuosa fulvo-sericea; spiculis masculis longioribus sericeis; ligula exteriori apice in seiam longiusculam desinente. — Habitat in Abyssinia.
20. A. CONFINIS Hochst. mss. ex A. Richard 1. c. p. 461. — Perennis: culmo 3—4-pedali breviter glabro; foliis lanceolatis acutissimis glabris spinoso-ciliatis, in parte inferiore interne pilis longis raris conspersis; ligula membranacea oblonga oblusa subfimbriata; vaginis laxiusculis glabris; spicis geminatis brevibus, saepius bractea spathaeformi plicata acutissima glabra obvelatis, pedunculatis et paniculem elongatam distantifloram constitutis, spicis aut in bractea subsessilibus aut supremis pedicellatis et subsessilibus; pedicello deflexo setoso scabro; spicis ascendentibus; spicula unica hermaphroditica et aristata et 3—4 spiculis pedicellatis masculis formatis; spicula hermaphroditica brevi, externe dense setosa; arista longissima 2—3-unciali subulate flexuosa fulvo-sericea? spiculis masculis inferioribus subsessilibus, superioribus pedicellatis longe lanceolatis nervosis glabris ciliatis; valvula exteriori apice sensim in setam fimbriatam gracilem longiorem attenuata, valvulae interioris seta brevior. — Habitat in Abyssiniae montosis provinciae Chire.

21. A. MONATHERUS A. Richard 1. c. 462. — Perennis caespitosus: culmo erecto bipedali glabro glauco; foliis inferioribus nunc linearibus angustissimis, margine involutis, mine paulo latioribus planis, aculissimis scabris; ligula membranacea longissima (6—0 lineas alia) apice truncata et subdenticulata glabra; vaginis laxiusculis glabris; spicis geminis 2—3 valde distantibus longissime pedunculatis; pedunculo glabro laevi; bractea spaihaeformi longissima convoluta acuta glabra, retrorsum scabra; pedicello spicarum geminarum longissimo, bracteam superante scabro; spica altera sessili. altera longis pedicellata, in utraque spicula masculo-hermaphrodita unica subsessili et spiculis masculis saepius 5, quarum tres inferiores subsessiles et duae pedicellatae; spiculae hermaphroditae, basi pilis sericeis fulvis cinctae valvula exteriori dorso nervosa, et apice truncato-bidentata, externe fulvo-sericea; arista floris hermaphroditi robusta longissima tortili fulvo-sericea, florum masculorum pedicellatorum pedicello hinc ei illinc dense fulvo-sericeo; valvulis glabris, exteriori apice apiculatis et quasi setula brevi terminalis, interiori acuta. — Habitat in Abyssinia montosis provinciis Chire.
22. A. ANTHISTIRIOIDES Hochst. mss. ex A. Richard 1. c. 463. — Annuus: culmo erecto simplici nunc ramoso pedali glabro; foliis linearibus distanter pilis longis mollibus ciliatis; ligula membranacea obtusa denticulata; vaginis laxiusculis glabris; panicula breviter spicis geminatis, pedunculo capillari glabro suffultis; bractea spathaeformi lanceolata acutissima plicata glauca violacea, margine ciliato-scabra; pedicello spatulae dimidio brevioris, apice incurvo tuberculato-piloso; spicis surrectis, in utraque saepius spiculi 2 sessilibus masculo-hermaphroditis et 3 masculis; spicularum masculo-hermaphroditarum valvula exteriori nervosa et apice truncato-bidentata, hirtella ciliata; arista floris hermaphroditi robusta longissima fulvo-sericea, spicula mascula inferiore subsetulata, superioribus pedunculatis, pedicello ciliato-setoso; valvula lanceolata, lateraliter ciliata, nervosa glabra, apice in setulam brevem attenuata. — Habitat in Abyssinia montibus provincia Chire.
23. A. FULVICOMUS Hochst. mss. ex A. Richard 1. c. p. 463. — Culmo erecto 2—3-pedali glabro et glauco; foliis linearibus acutis scabris, saepius glabris; ligula membranacea oblonga obtusa denticulato-fimbriata; spiculis geminis longe pedunculatis in apice pedunculi abrupte inversis, brevissimis paucifloris, bractea lineari lanceolata plicata, margine ciliata suffultis; pedunculo versus partem superiorem uninodoso glanduloso-piloso; spiculis fulvo-setosis; arista floris hermaphroditi fulvo-sericea. — *Andr. alliiformis* Hochst. mss. — Habitat in Abyssinia locis sicca et petrosis juxta Adoua.
24. A. CONNATUS Hochst. mss. ex A. Rich. I. c. 464. — Culmo erecto 3-4-pedali glabro; foliis linearibus acutissimis longissimis glabris, retrorsum scabris; ligula membranacea fimbriata; vaginis striatis glabris subscabris; bractea lineari acuta plicata glabra junctura communi setosa; spicula sessili, basi margine brevissima cupulaeformi truncata cincta; valvula exteriori plana lanceolata acuta, hinc et illinc carinata, centro subdepressa; arista spicularum duplo superante; spicula pedicellatae lanceolata acuta, mutica scabra ciliataque. — Habitat in Abyssinia provincia Chire regione inferiore montis Selleuda.
25. A. PROXIMUS Hochst. mss. ex A. Rich. I. c. p. 464. — Perennis: culmo erecto pedali glabro; foliis nunc linearibus convolutis fere subulatis, nunc planis scabris glabris; ligula membranacea oblonga obtusa fimbriata; vaginis glabris geminatis brevissimis, bractea lanceolata glabra acute brevioris vix semiuncia breviter pedunculatis, dense conglomeratis et paniculam densam elongatam viorem efformantibus axi communi et pedicello spicularum longe et densiusculis spiculis paucioribus; spiculae sessilis valvula exteriori dorso plana pubescente hinc et illinc lateraliter carinata; floris hermaphroditi ariste brevi vix spiculae rente; spicula pedicellate mutica. — Habitat in Abyssinia planitie montane provinciae Chire et in montibus juxta Tchelatcheranne.

26. A. FINITIMUS Hochst. mss. ex A. Richard 1. c. p. 465. — Perennis: culmo erecto 3—4-pedali glabro; foliis linearibus longissimis scabris acutissimis; ligula membranacea oblonga fimbriata, pilis longis stipata; vaginis glabris ore pilosis; spicis geminatis brevibus longe pedunculatis, pedunculo capillari glabro; bractea lanceolata acutissima plicata, spicas superante pilosa et longe ciliata; spicis supra spatham pedicellatis, pedicello basi setoso, apice glabro; spiculae sessilis basi pilis setosis cinctae valvula exteriori piloso - setosa; arista floris hermaphroditi longissima geniculata hirta-fulva; spicula pedicellate piloso - sericea; valvula interiori apice in setam hirtella - scabram brevioris desinente. — Habitat in Abyssinia montibus prope Tchelatcheranne.
- *1. A. SCHUMPERI Hochst. mss. ex A. Richard I. c. 466. — Perennis: culmo erecto 3—4-pedali robusto glabro; foliis linearibus glaucis, superne et in margine retrorsum scabris; ligula membranacea obtusa subfimbriata; vaginis glabris laevibus; spicis geminatis longe pedunculatis; bractea spathaeformi plicata longiore acuta glabra; panicula longissima subcontracta; pedunculis communibus capillaribus glabris; spicis supra spatham pedunculo brevi setoso suffultis; spiculae sessilis brevioris basi pilis setosis cinctae valvula exteriori in centro sulco depresso pubente lateraliter ciliata; arista robusta tortili fulvo-hirta longa; spicula pedicellate longiore, valvula exteriori lanceolata, margine ciliata, interiori apice in setulam brevem desinente. — *Andr. Dregeanus* N. "b E. Gramin. Afric. ausir. 112. — Habitat in Abyssinia montosis provinciae Chire fit in Promontorio bonae spei.
- * A. UMBROSUS Hochst. mss. ex A. Richard 1. c. 467. — Perennis: culmo erecto tripedali glabro-glaucobrunneo robusto; foliis late linearibus scaberrimis; ligula membranacea obtusa margine leviter erosa glabra; vaginis glabris; panicula ramosa elongata; spicis longe pedunculatis geminatis; bractea lanceolata glabra plicata involucria; pedicello communi supra basin bractee interne elongato inflexo, saepius exserto, versus partem superiorem scaberrimo piloso-setoso; spiculis surrectis paucifloris; spiculae sessilis valvulis externe piloso-setosis ciliatisque; arista longa fulvo-hirta; spiculis pedicellatis paulo longioribus dense setosis; valvula interiori apice apiculata aut breviter setosa. *T Andr. Tamba* Hochst. mss. — *A. papiuipes* Hochst. mss. (ex p.) — Habitat in laena umbrosa montis Abyssinia Selleuda.
- ²⁹ A. GLABRIUSCULUS Hochst. «ss. ex A. Richard 1. c. 468. — Perennis: culmo erecto sesquipedali glabro glauco; foliis linearibus angustis valde scabris, ligula membranacea brevissima; vaginis glabris; panicula contracta pauciflora et spicis geminatis colore violaceis pedunculatis; bractea spathaeformi lanceolata acuta carinata, in carina scabra; pedicello communi supra bracteam breviter glabro; spica altera sessili, altera breviter pedicellata; spicis masculo-hermaphroditis saepius 3; valvula externa lanceolata, dorso nervosa, apice acute bifida, lateraliter hinc et illinc ciliata; arista floris hermaphroditi spiculis triplo longiore grajdu hirtella; spiculis masculis similibus; valvula exteriori apice acuta, margine ciliata. — Habitat in Abyssinia planitie monlosa provinciae Chire.

II. Axis ramosus; spiculis paniculatis.

{*Trachypogon* NABEL — *Sorghum* Pere.)

- ³⁰ A. (SORGHUM) TRICHMENORUM C. Koch, *Linnaea* XXI. 442. f - Erectus 8-10-pedalis glaberrimus: thyrsus oblongus, denique cernuus; spiculae laterales masculae sessiles, hermaphroditae accumbentes pilosae; spicula media hermaphrodita villosa oblonga; gluma inferior acuta, superior bidentata involute, paulo longior et latior. — Habitat in Oriente septentrionali (Dhaghghenna).

31. A. (SORGHUM?) DUBIUS G. Koch l. c. 443. f — Folia ex margine scabriuscula, ex ore vaginarum velutino-pilosa; panícula contracto-pyramidalis; glumae oblongo-acuminatae multincives pilosae; palea e. hyalinae. — Crescit circa Brussam in Oriente septentrionali.
32. A. QUARTINIANUS A. Richard l. c. p. 469. — Culmo erecto 2—3-pedali glabro, nodis dense sericeis, pilis divaricatis verticillatis; foliis lanceolatis acutissimis, utrinque scaberrimie; ligula sericea, pilis longis intermixtis; vaginis glabris laevibus, lenissime ciliolatis; panícula ramosissima, ramis gracilibus ramosis, uti spiculis, violaceis, ramosis scaberulis; spiculis terminalibus basi articulatis et deciduis, pilis brevibus rigidiusculis cinctis; spiculæ sessilis valvula exteriori lanceolata acuta coriacea compressa, dorso hirta binae et illinc lateraliter ciliata mutica, interiore angustiore acuta, in ceniro sulco profundo exarata, mutica glabriuscula; floris hermaphroditi palea superiore brevissima angusta in aristam longam abeuntes; spiculis internis pedicellatis, altera saepius rariore neutra, altera paulo longiore mascula aut neutra, utraque margine ciliata et mutica. — Habitat in Abyssiniae planitie montosa Beless provinciae Chirc.
33. A. PURPUREO - SERICEUS Hochst. l. c. p. 469. — Annuus: caule erecto 3-pedali glabro, nodis valde sericeis, pilis divaricatis verticillatis; foliis longissimis luberculato-scabris pilosis; ligula dense sericea; vaginis saepius glabris laevibus; panícula ramosa subteretibus, ramulis flexuosis basi incrassatis glabriusculis aut fulvo-sericeis; spiculis terminalibus ternis, lateralibus binis articulatis, pilis sericeis fulvis cinctis; spiculæ sessilis valvula exteriori convexa oblonga acuta, dorso pilosa, pilis sericeis fulvis margineque ciliata, interna angustiore acuta; palea interiore floris hermaphroditi longissima torlili, in medio geniculata ciliolata; spiculis pedicellatis pubescentibus ciliatis; pedicello dense fulvo sericeo. — Habitat in Abyssiniae convalle fluvii Mareb et in regione montana Walcha provinciae Sana.
34. A. PRINCEPS A. Richard l. c. 470. — Annuus: culmo erecto robusto 2—3-pedali striato glabro, versus partem supremam pubescente; foliis late lanceolatis acutis, basi subcordatis, margine et subtus in nervis spinoso-dentatis; ligula membranacea brevissima demiculata; vaginis latiusculis striatis dense ciliatis; panícula subcorymbiformi contracta breviuscula, ramis erectis parce ramosis angulatis striatis-hirtis, axi articulato compresso triquetro glabro; spiculis geminis sessilibus, exteriori masculo-hermaphrodita, interiore abortiva sub forma appendicis, angusto-lineari obtusa, margine ciliato-scabra, spiculara exteriori aequante redacta; spiculæ exterioris valvula exteriori coriacea ovali-acuminata acutissima, luberculis neutis aequaliter seriatis muricata, interiore subsimili aequilonga, obscurius tuberculata; floris neutrius palea unica ovata acuta tenerrima; floris hermaphroditi paleis tenuibus acuminatis glabris, superiore paulo longiore profunde bifida et ex incisura aristam longiorem basi torlili, in medio geniculatam, superne subululam emittente. — Habitat in Abyssiniae campis humidis convalis fluvii Tacazze#*1*
35. A. MGRITANUS Benth. in Hook. Niger Flora 578. — Erectus elatus: foliis longis; Panícula verticillata ampla, ramis longis simplicibus; spiculis geminis; glumis muricatis acuminatis, hermaphroditae palea breviter aristata. — Crescit ad fluvium Nun prope Atok.
36. A. ALTISSIMUS Colla, Memorie di Torino XXXIX. 29. f. tab. 60. — Panícula terminali composita contracta ovata erecta, ramis spicatis geminatim alternis approximatis imbricato-multifloris; spiculis lineari-lanceolatis, basi penicillatis; valvulis omnibus glabris, arista tortili flosculis triplo longiore; culmo crasso altissimo vaginisque glabris; ligula decomposita, locinis filiformibus, pilis commixtis; foliis late nervosis planis striatis scabriusculis. — Habitat in Chili.
37. A. NUTANS Linn. — Kntb. l. c. 504. no. 124. — *Sorghum nutans* A. Gray, Manual of the bot. of the North. Unit. States 617.

950c . POTILIVIA *Spr.*

(Lnk. Hort. Berolio. I. 213.)

1. P. CUMINGH N. ab E. in Hook. Kew gard. misc. II. 88. f — Culmo procumbente (gracili) ramoso, nodis vaginisque foliisque linearibus sessilibus argulissime acuminatis glabris imberbibus; spiels geminis, oriiculis rhacheos pedicelloque utrinque (rufescenti-) pilosis, pilis articulo suo brevioribus; glumis hirsutis apice praemorso-dentatis pallidioribus basi fuscescenibus, seta flosculi fertilis spicula subtriplo longiore. — Habitat in insulis Philippinis.
2. P. SETIFOLIA N. ab E. in Hook. I. c. 101. — Spicis pluribus (8-12) subdigitato-con-fenis, articulis, pedicello utrinque, glumis dorso et margine pilosis ciliatisque; gluma infiore acute bidentata, superiore longe setigera; flosculo superiore bivalvi; culmi nodis subsericeis; foliis convoluto • filiformibus stricis vaginisque glabris. — Habitat in insulis Philippinis.

950c RHAPHIS *Lour.* (nee L. cf. p. 471.)

(Lour. Flor. Cochinch. 676. — Trin. Icon. 8. 9.)

1. RH. STRICTA N. ab E. in Hook. Kew gard. misc. II. 99. f — Paniculae lanceolatae ramis compositis, ramulis centrifugo - pleiostachyis, barba brevi strigillosa; pedicellis extrorsum .inrescenti-barbatis; spiculis accessoriis masculis neutris, fertilis spicula e gluma inferiore scabra, apice angusto bidente, dorso medio canaliculato - concavo, superiore acuta, seta spicula sua triplo longiore; culmo recto stricto nodisque glabro ; foliis lineariibus angustis, margine scaberrimis culmo brevioribus. — Habitat in insulis Philippinis.

951. ISCHAEUVHI *linn.*

(Knth. Enumer. 1. 5J& Suppl. 419.)

1. I. (SCHINA) INSCALPTUM Hochst. mss. ex Richard, Tentam. Flor. Abyss. II. 472.— Culmo erecto 6-pedalibus glabro; foliis linearibus acutissimis, retrorsum scabris glabris; ligula setosa brevi; vaginis subinflatis glabris; spica terminali solitaria; axi communi articulo compresso, bine et illinc dense sericeo-ciliato; spiculis geminis bifloris; spiculae sessilis valvula exteriori lanceolata, apice attenuate; floris hermaphroditi arista longissima robusta, in parte inferiore tortili, ex parte superiore subulata; spiculae pedicellatae pedicello lateraliter dense setoso-ciliato; valvula exteriori dorso nervosa apice acutissima et quasi setifera, inferiore apice longe setosa. — Habitat ad agrorum margines Abyssinae et in siccis prope Guendepa.
2. I. MAGROSTAGHYUM A. Richard I. c. p. 472. — Culmo erecto tripedali, nodis pilosis; foliis lineari-lanceolatis acutis, retrorsum scabris; ligula setosa; vaginis pilosis - hispidulis; spica terminali; axi articulo compresso; margine dense sericeo-ciliato; spiculae sessilis valvula exteriori dorso nervosa acuta glabra, interiori apice breviter se-

tosa; floris hermaphroditi arista longa tortili, in medio geniculata; spiculae pedicellatae stipite dense seloso - ciliato; valvulis apice seta gracili terminalis. — *Schima macroslachyum* Hochst. mss. — Habitat in montibus Abyssiniae versus fluvium Tacazze.

951b. ARUKBMrEIiKiA Raddi.

(Raddi, Agroslogr. Brasil. 37.)

1. A. (*Miliosaccharum*) STRIGTA N. ab E. in Hook. Kew. gard. misc. II. 102 f — Culmo racemoque striclis angustis glabris, ramis adpressis alternis compositis subsecundis; gluma superiore Vs longiore; flosculo **fertili** laevi, apice longiuscule biseto, arista triplo brevior; foliis (culmeis) linearibus convoluto-setaceis adpressis, culmo brevioribus v. tenuisque glabris, ore vaginatum **barbato**. — **Habitat** in insulis **Philippinis**.
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ADDENDA.

Ordo L RANDNCULACEAE *Juss.*

^H- Pag. 4.

f *Iconea Addend**.*

CLEMATIS GRAHAMI Benth. — Wlprs. Rept. I. 8. no. 53. — Lindl. Journ. of the hort. soc. II. 31S. (c. ic. xylogr.)

II. Pag. 5. no. 4. THALICTRUM PRAECOX Jordan, Observat. V. 2. t*) — Panicule assez étroite ovale-oblongue, subpyramidale; rameaux alternes ou verticille's et très-inégaux, dressés - Stale's, grdles, fleueux, souvent contourné's, peu ou point anguleux. Fleurs assez nombreuses, distantes, solitaires ou disposées par verticilles le long des rameaux. Pédicelles courts, dressés - dialls, courbe*s au sommet, au moment de l'antbèse. Etamines penché'es selon la direction du pédicelle; anthères environ six fois aussi longues que larges, terminées par un mucron aigu assez fin. Garpelles ovales-arrondis, de forme régulière, assez rentes, peu ou point rétre'cies aux deux extré'mite's, terminés par un bec droit, relevés de 8-12 côtes peu épaissés, longs de 2/3 mill, sur 1/4 mill, de large. Feuilles dressées - étalées, ovales ou ovales-oblongues dans leur pourtour; segments petits, d'un beau vert clair, plus pâles en dessous, assez minces, très-brièvement petioluldu s&siles, obovales ou elliptiques, souvent arrondis mais point en coeur d la base, plus ou moins élargis au sommet, k 3-7 lobes inégaux et un peu aigus. Stipules adn^es interradiaires & oreilles arrondies, un peu Atateea vers leur sommet, dressées et applique^ contre la tige qu'elles embrassent presque entièrement et dépassant souvent en largeur, dentelées ou déchirées sur les bords. Stipellea courts, tronqués, incisés, ou le plus souvent nul's. Tige assez grfile, dressée, l^gèrement flexueuse aux articulations, dure, peu ou point fistuleuse, finement striée, peu anguleuse, glabre, verte ou rougeâtre, munies & la base de galnes aphilles ou écailles. Souche épaisse, horizontale, émettant des bourgeons un peu ascendants et des fibres en faisceau très - nombreuses. Plante de 3 à 6 décim. — Briançon (Hautes Alpes) in Gallia.

5. THALICTRUM EMINENS Jordan l. c. 4. f — Panicule ample, très-diffuse; rameaux alternes ou parfois verticilles, plus ou moins stales, allongés écarlés, très-flexueux et contournés irrégulièrement. Fleurs peu nombreuses, très-distantes, solitaires ou verticillaris. Pédicelles grftles, très - allongés, courbés en arc au moment de l'antbèse, irrégulièrement dressés - étalés à la maturité. Etamines dirigées en bas, selon le sens du pédicelle, assez lâches et un peu écartées; anthères trois à quatre fois aussi longues

) Ingentes diagnoses Jordanianas immutatas reddidi.

que larges, tcimindes pai un mucion aigu très-court Cai pellet* oblongs - fusiformes, ancipites, comprimés, irréguliers, ventrus d'un côté, terminés par un bec court et large, munis* de 8—12 côtes dont les intervalles sont assez étroits et inégaux, longs de 5% mill, sur $2\frac{1}{3}$ mill de large Feuilles très-détachées, courbées en dehors, laissent des lobes dans leur pourtour, segments assez petits, d'un vert gai, plus pâles en dessous, glabres, minces, peltolulés, obovales ou elliptiques, souvent arrondis mais point en cœur à la base, plus ou moins élargis au sommet, 3-7 lobes indégaux, aigus ou un peu mucronés Stipules adnées intermédiaires A oreilles détachées horizontalement *eis leur sommet, embrassant U tige presque entièrement et égalant son diamètre en largeur, un peu déchirés sur les bords Slipelles nulles ou très-petites Tige robuste détachée flexueuse d'un côté, peu fistuleuse, sillonnée, anguleuse, glabre, verte ou rouillée, écaillée à sa base Souche épaisse horizontale à bourgeons un peu ascendants, à fibres en faisceau très-nombreuses Plante de 1 à 2 mètres. — Prope Lugdunum Gallorum

- 6 THALICTRUM EXPANSUM Jordan 1 c 6 + — Panicule tétraxemple, diffuse, rameaux alternes ou sub-opposés, décarés de la tige à angle aigu vers leur base, très-divergents et arqués en dehors dans leur partie supérieure Fleurs distantes, dispersées, plus lâchement subveiticillées au sommet des rameaux Pédicelles régulièrement courbés en arc au moment de l'anthèse, très-détachés à la maturité Etamines tout-à-fait pendantes, 1 aimées en faisceau serré et dirigé en bas, anthères cinq fois aussi longues que larges à pointe oblique Calicelles elliptiques, un peu rétrécies aux deux extrémités, peu comprimées et ancipites, irréguliers, légèrement ventrus d'un côté, terminés par un bec très-oblique et assez court, relevés de 8—12 côtes assez fines, longs de 4 mill sur 2 mill de large Feuilles détachées, rarement un peu courbées en dehors, largement ovales dans leur pourtour, segments d'un vert un peu cendré, assez minces, peltolulés ou sessiles, arrondis elliptiques ou obovales, souvent en cœur à la base, divisés au sommet en 3—7 lobes un peu obtus et mucronés Stipules adnées intermédiaires à oreilles larges, arrondies, dressées - étalées, à la fin détachées, embrassant généralement la tige, sans laisser d'intervalle entre leurs bords antérieurs, et dépassant souvent son diamètre en largeur, dentelées ou déchirées sur les bords Slipelles nulles Tige dressée, peu flexueuse, très-peu fistuleuse, finement sillonnée, arrondie presque sans angles, couverte, ainsi que toutes les parties de la plante, d'une pubescence glanduleuse pulvérulente très-fine, écaillée vers sa base Souche épaisse, à bourgeons un peu ascendants, à fibres très-nombreuses Plante de 8—15 décim — (Lyon & Ardèche) In Gallia *jfr*

- 7 THALICTRUM ELCAÏNS Jordan 1. c 7. f — Panicule assez ample, ovale-oblongue, rameaux alternes ou sub-opposés, dressés-détachés, flexueux, ascendants à leur partie supérieure Fleurs nombreuses distantes, dispersées ou veiticillées au sommet des rameaux Pédicelles assez longs, courbés au sommet au moment de l'anthèse, dressés-détachés à la maturité Etamines pendantes, 1 aimées en faisceau lâche dirigé en bas, anthères six*fois aussi longues que larges, à pointe fine très-aiguë et légèrement courbée en face Calicelles elliptiques, un peu rétrécies aux deux extrémités, un peu ancipites, de forme régulière, terminés par un bec droit et allongé*, relevés de 8—12 côtes assez fines, longs de 3 mill, sur $1\frac{1}{2}$ mill de large Feuilles dressées-étalées» ovales dans leur pourtour, segments d'un beau vert ou jaunâtres en dessous, un peu glauques en dessous, de consistance mince, sessiles ou très-légèrement peltolulés obovales-oblongs ou elliptiques-oblongs, arrondis et obliques à la base, à 3—5 lobes* aigus et mucronés, souvent entiers et acunés dans les feuilles supérieures. Stipules adnées* intermédiaires à oreilles courtes, détachées horizontalement, à la fin détachées, embrassant presque entièrement la tige et égalant à peu près son diamètre en largeur Slipelles nulles Tige dressée, peu flexueuse, droite, mais assez fistuleuse, finement sillonnée, arrondie, d'un vert jaunâtre, presque glabre, écaillée à la base Souche épaisse, à bourgeons un peu ascendants, à fibres très-nombreuses. Plante de 5 à 10 décim — Ad Rhodanum prope Lugdunum

K. *THALIGTRUM CALCAREUM* Jordan 1. c. 9. f — Panicule ovale, rameaux à urnes ou subverticille's, dressés-stale's, flexueux, assez roides à la maturity. Fleurs peu nombreuses, distantes, solitaires ou verticille*es. Pedicelles assez longs, un peu inclinés vers leur sommet au moment de l'anthèse, dressés-stale's à la maturity. Etamines claires, dirigées en avant ou un peu penchées, selon l'inclinaison du pédicelle; anthères brièvement apiculées, quatre à cinq fois aussi longues que larges. Carpelles elliptiques, très-peu rétrécis aux deux extrémités, légèrement ancipités, assez renflés, irréguliers, terminés par un bec court et oblique, munis de 8 ou rarement 10 côtes saillantes, à intervalles profonds, longs de 4 mill, sur 2 mill, de large. Feuilles dressées-alées, largement ovales dans leur pourtour, segments d'un vert assez foncé*, pâles en dessous, de consistance épaisse, sessiles ou brièvement pétiolulés, ovales ou obovales, ou elliptiques-oblongs, à 3—7 lobes un peu nigus, souvent de forme arrondie et subcordés à la base dans les feuilles radicales, presque entières et acuminés dans les feuilles supérieures. Stipules adnées intermédiaires à oreilles assez courtes, dressées partiellement sur la tige qu'elles embrassent presque entièrement, dentelées sur les bords. Stipelles nulles. Tige dressée, très-flexueuse, dure, très-peu fistuleuse, fortement sillonnée, arrondie, d'un vert jaunâtre ou violacé, souvent pruineuse dans son jeune âge, bientôt glabre, bientôt convexe, ainsi que toute la plante, d'une pubescence glanduleuse pulvérulente très-fine et un peu fétide, longuement dénudée dans sa partie inférieure, et munie vers le bas d'échailles nombreuses. Souche très-dure et résineuse compacte, contenant des bourgeons dressés, rapprochés, non ascendants et des fibres nombreuses. Plante de 2 à 4 déc. — In Alpibus et Pyrenaeis.

^ *THALICTRUM PARADOXUM* Jordan 1. c. 10. f — Panicule ample, diffuse, ovale dans son pourtour; rameaux alternes ou par fois subverticille's, stale's irrégulièrement, assez écartés, flexueux très-anguleux. Fleurs assez nombreuses, un peu distantes, la plupart subverticillées, surtout au sommet des rameaux. Pedicelles d'abord un peu relevés au sommet, puis un peu relevés et dirigés en avant au moment de l'anthèse, dressés et un peu étalés à la maturity. Etamines d'abord dirigées en avant selon le sens du pédicelle et très-étalées, bientôt pendantes; anthères très-grandes, environ six fois aussi longues que larges, terminées par un mucron allongé très-aigu. Carpelles elliptiques-oblongs, rétrécis aux deux extrémités, un peu comprimés et ancipités, irrégulier*, terminés par un bec étroit aigu et peu oblique, munis de 12 côtes inégales dont les intervalles sont assez profonds, longs de 4 mill., sur 2 mill, de large. Feuilles étalées, souvent courbées en dehors, ovales dans leur pourtour, segment* d'un vert sombre, souvent un peu luisants en dessus, presque glauques et marqués de nervures rembrunies assez saillantes en dessous, assez fermes, sessiles ou subsessiles, obovales-cuneiformes, à 2—3 ou 5 lobes stale's, aigus ou mucronulés, plus rarement finiers et elliptiques-oblongs, toujours rétrécis mais un peu arrondis à la base, environ deux fois et demi aussi longs que larges dans les feuilles caulinaires. Stipules adnées intermédiaires à oreilles assez petites, arrondies, étalées, embrassant à demi la tige et égalant à peine son diamètre en largeur, dentelées sur les bords. Stipelles nulles. Tige dressée, légèrement flexueuse, fistuleuse mais assez dure, sillonnée, anguleuse, glabre, brune ou verdâtre, peu ou point écaillée à la base. Souche formée de rhizomes horizontaux*, allongés, contenant de distance en distance des bourgeons ascendants et des faisceaux de fibres assez nombreuses. Plante de 5 à 10 décim. — Prope Lugdunum.

¹⁰ *THALICTRUM JORDANI* F. Schultz mss. ex Jordan. I. c. 12. f — Panicule assez ample, ovale-subpyramidale; rameaux nombreux, rapprochés, alternes ou subverticille's, assez basés, peu ascendants. Fleurs très-nombreuses, peu distantes, dispersées ou subverticillées. Pédicelles assez courts, d'abord un peu inclinés, puis relevés et dirigés en avant au moment de l'anthèse. Etamines étalées et dressées, selon la direction du pédicelle; anthères assez petites, environ quatre fois aussi longues que larges, à mucron très-court et peu aigu. Carpelles ovales, peu ou point rétrécis aux deux extrémités, peu comprimés et ancipités, assez réguliers, terminés par un bec court et un peu oblique,

munis de 10—14 côtes inégales et peu épaisses, longs de 2 $\frac{1}{2}$ mill, sur 2 mill, de large, Feuilles dressées-e-talées, ovales ou ovales-oblongues dans leur pourtour, segments d'un vert assez foncé opaques en dessus, pâles et un peu glauques, de consistance assez mince, sessiles, oblongs-cuneiformes, à 2—3 rarement 5 lobes Stal'es aigus ou mucronulés, souvent entiers et oblongs, ou elliptiques-lineaires dans les feuilles supérieures, tous nHrécis mais un peu arrondis à la base, environ trois à quatre fois aussi longs que larges dans les feuilles caulinaires moyennes. Stipules adnées intermédiaires à oreilles larges, arrondies, étalées horizontalement, embrassant entièrement la tige et dépassant son diamètre en largeur, dentelées sur les bords. Stipelles ovales-arrondies et denticulées, très-souvent nulles. Tige dressée, très-feuillée, très-peu flexueuse, un peu fistuleuse, mais dure, sillonnée et anguleuse, brune ou verdâtre, glabre, peu ou point écaillée à la base. Souche formée de rhizomes horizontaux très-allongés, émettant de distance en distance des bourgeons ascendants et des faisceaux de fibres peu nombreuses. Plante de 5 à 10 déc. — Prope Lugdunum.

11. *THALICTRUM TIMERUYI* Jordan 1. c. 14. f — Panicule ovale-oblongue, pyramidale; rameaux nombreux, alternes ou subopposés, dressés-talés, un peu arqués et ascendants dans leur partie supérieure; fleurs assez nombreuses, un peu distantes, éparses ou plus rarement subverticillées. Pédicelles assez courts, inclinés au sommet au moment de l'anthèse, dressés-talés, et un peu flexueux à la maturité. Étamines (Stal'es et penchées selon la direction du pédicelle; anthers environ six fois aussi longues que larges, à mucron aigu et assez allongé. Carpelles elliptiques, un peu rétrécis aux deux extrémités, faiblement comprimés et ancipitels, assez réguliers, terminés par un bec allongé et un peu oblique, munis de 8 à 12 côtes inégales et peu épaisses, longs de 3 mill, sur 1 $\frac{1}{2}$ mill, de large. Feuilles dressées-e-talées, ovales ou ovales-oblongues dans leur pourtour, segments d'un beau vert opaque et assez clair en dessus, plus pâles en dessous, planes, de consistance peu épaisse, sessiles dans les feuilles caulinaires, le plus souvent entiers, elliptiques-oblongs et aigus, trois fois aussi longs que larges, ou bi—trifides et oblongs-cuneiformes, tous arrondis obliquement à la base. Stipules adnées intermédiaires & oreilles larges, ovales-arrondies, très-étalées, embrassant presque entièrement la tige et égalant environ deux fois son diamètre en largeur, déchirées sur les bords. Stipelles nulles. Tige dressée, très-peu flexueuse, fistuleuse, mais résistante à la pression, sillonnée et peu anguleuse, d'un vert jaunâtre ou roussâtre brunie, glabre, assez garnie d'écaillés à la base. Souche formée de rhizomes horizontaux, très-allongés, émettant de distance en distance des faisceaux de fibres et des bourgeons ascendants. Plante de 4 à 8 décim. — Prope Lugdunum.

12. *THALICTRUM MITIDULUM* Jordan 1. c. 17. + — Panicule oblongue, pyramidale; rameaux alternes ou subverticillés, dressés - étalés ascendants vers le milieu. Fleurs très nombreuses, peu distantes, souvent verticillées et disposées en grappes serrées fournies. Pédicelles courts, dressés-étalés au moment de l'anthèse et à la maturité. Étamines dressées-étalées; anthers quatre fois aussi longues que larges, à bec court et peu aigu. Carpelles ovales ou ovales-elliptiques, peu ou point comprimés, assez réguliers, terminés par un bec très-persistant aigu un peu oblique et égal à la moitié de leur longueur, relevés de 10 cotes peu inégales, longs de 1 $\frac{1}{2}$ mill, sur 1 $\frac{1}{2}$ mill, de large. Feuilles dressées, peu étalées, ovales-oblongues dans leur pourtour, segments d'un vert luisant assez clair ou un peu jaunâtre, pâles de consistance un peu épaisse, à bords souvent revolutés tous sessiles, allongés-oblongs-cuneiformes, bi—trifides, à lobes étalés étroits et profonds, ou oblongs entiers, souvent lineaires dans les feuilles supérieures, arrondis à la base, très larges dans les feuilles radicales. Stipules adnées intermédiaires à oreilles ovales-étalées horizontalement, embrassant complètement la tige en forme de collier passant souvent son diamètre en largeur, dentelées sur les bords. Stipelles lineaires, situées à la base interne des pétioles secondaires et souvent en assez caduques, mais toujours existantes. Tige dressée, très-peu flexueuse mais assez dure, sillonnée et anguleuse, d'un vert jaunâtre ou violacé, très-

pen ou point écuilleuse à la base. Souche formée de rhizomes horizontaux très-allongés, émettant de distance en distance de faisceaux des fibres très-nombreuses et de bourgeons ascendants. Plante de 6—8 decim. — Prope Lugdunum.

- *3. *THALICTRUM SPURIUM* Timmeroy mss. ex Jordan l. c. 19. f — Panicule oblongue; rameaux alternes ou subopposés, courbés-ascendants, très-nuds dans leur partie inférieure; fleurs très-nombreuses, très-rapprochées, disposées par fascicules ramassées vers le sommet des rameaux en petites grappes oblongues et assez denses. Pédicelles très-courts, dressés au moment de l'anthèse et à la maturité. Etamines dressées-écartées; anthères quatre ou cinq fois aussi longues que larges, à mucron très-court et obtus. Carpelles ovales elliptiques, réguliers, assez renflés, à bec court et caduc, munis de 12 côtes arrondies peu inégales, longs de 2y₅ mill., sur 1²/₃ mill. de largo. Feuilles dressées, très-peu étalées, oblongues ou ovales-oblongues dans leur $\left\{ \begin{array}{l} \text{supérieur} \\ \text{inférieur} \end{array} \right\}$ segments d'un vert opaque assez clair, quelquefois rembrunis, plus pâles en dessous, de consistance assez mince, planes à nervures assez prononcées, tout sessiles, allongées, oblongues ou elliptiques - linéaires et entières, ou souvent oblongues-cunéiformes et bi-trifides, à lobes un peu aigus récurvés et obliques, peu arrondies à la base dans les feuilles supérieures, très-amples et souvent à 5 lobes dans les feuilles radicales. Stipules adnées intermédiaires à oreilles amples, arrondies, dressées-étalées, embrassant complètement la tige en forme de collerette, et se recouvrant l'une et l'autre par leurs bords antérieurs, dépassant le diamètre de la tige en largeur, dentelées sur les bords. Stipelles ovales-arrondies, dentelées, toujours présentes à la base interne ou externe des pétioles secondaires et latérales. Tige dressée, un peu fistuleuse, mais dure et résistante à la pression, sillonnée et anguleuse, d'un vert jaunâtre ou parfois violacée-rembrunie, ainsi que les feuilles, très-glabre, peu écailleuse vers sa base. Souche très-courte, formée de la base épaissie de tiges, produisant un amas de fibres entremêlées de stolons nombreux très-allongés horizontaux, qui émettent de distance en distance des faisceaux de fibres et des bourgeons dressés non ascendants. — Prope Lugdunum.

l. Pag. 6. no. 4. *ADONIS BAETICA* Coseon, Notes sur quelques pi. du midi de l'Espagne H. 25. +) — Annuée; sépales suberecta glabra; pétales 5—8 sanguine immaculata aequalia; carpellorum spica 15—20 millim. longa ovata v. ovato-oblonga densa cylindrica; carpella 4—5 millim. longa, basi coniugua, areola insertionis minuta, margine superiore rectiusculo edentulo, margine inferiori angulatum convexo et ad angulum denique prominentem praebente, lateribus subtrigonis valde rugosis; rostrum concolore recto fere marginis superioris directionem continuante, stylo carpellorum juniorum uncinato. — In arvis agris Gaditani.

l^r. Pag. 8. Aute *RANUNCULUM REPENTEM* L. (no. 10.) ponatur Sect. IV. *HECATONIA* DC. Prodr. I. 30, cui sectioni etiam *R. emus* Benth. (II. 7. no. 8.) adscribendus erit.

H. Pag. 10. no. 24b. *RANUNCULUS CALTHAEFOLIUS* Jordan, Observ. V. 2. f — Fleurs grandes, solitaires au sommet de rameaux. Sépales 3—5, d'un blanc jaunâtre et scarieux, marqués de nervures, ovales, concaves. Pétales oblongs, en ovin à la base, d'un jaune luisant. Écaille de pétales ovale, émarginée, recouvrant la fossette nectarifère. Carpelles 20—30, souvent avortés, ovales-arrondis, renflés, un peu comprimés, rétrécis et substipités à la base, couverts de petits poils $\left\{ \begin{array}{l} \text{longs} \\ \text{courts} \end{array} \right\}$ longs de 4¹/₂ mill, sur 3 mill, de large. Réceptacle glabre, très-court. Feuilles larges, toutes pétiolées ovales-orbiculaires, cordées à la base, à lobes de réchancres arrondis et très-rapprochés ou incombants dans les feuilles inférieures, à crénelures arrondies souvent nulles ou peu distinctes. Tiges peu rameuses, dressées, fistuleuses, sillonnées, gla-

⁵ *) p⁵ jus hbelli fasciculos secundum el tertium lantum-modo vidi, quos benevolensiam claussimi aucloris debeo.

bres nmsj que toute la plante Souche verticille presque nulle, Imeltant des stolons tres-courts et non persistants Racine forme'e de tubercules oblongs ou en massue, plus ou moms allongi s_u dj⁹pose*s en faisceau mcle* de fibies capillaires Plante glabre dp 2 i 3 decira — *Icwta grandifloio* Robert — Toulon, Hyeres, Nizza

24r RANUNCULUS CHAEROPHYLLOIDES Jordan I c 5 + — Fleurs peu nombreuses, quelquefois solitaires, sepales lanceole's, velus, appliques Pe' tales obovales-arrondis, mums à la base dune ticaille tres-petite, troncutie, aussi lnige que longue Eiami-nes depassani le capitule des ovanes Caipelles disposes en cpi elliptique ties-sern. souvent avortts, obovales - anondis, compnme's, très - fnement luberculeux-punctue's, subhispidules, termme's par un bee lanctole droit ou tres le'geiement couibe à 1 pxticmiu, qui n egale pas leur longueur Feuilles dun veil font6*, un peu luisantes, couvertes de polls demi-appliques, ou souvent, glabnu&cules, les radicales pnmoidiales de I miomne oibiculaires, coidees a la base, a bords infe*neurs irès-e*cailes du petiole, subtnlobtes, crenelees a dents obtuses, les pnmoidiales du puntemps oboviles-arrondies, un peu letrtcies à la la base, incisces sub-tnlobtes au sommet, a lobes piesque aigus, les suivanles largement ovales dans leur pourtour, tnflides ou tnprnlites a segments obovtf's, divisds. en lobes plus ou moms profonds, oblongs-lintanes, un peu aigus, les caulinaires sessile?, peu nombreuses, a trois segments oblongs souvent denies et aigus Tige couveite de poils demi-appliques, dresse*e, ferme, rniement simple, ramcaux umflores, peu nombreuz, très-peu Stale's, non sillonnts, Itgtrcment e*paissis au sommet a la malurite. Souche verticale, tres-courte, couronne'e par les nervuies peiMstantes de feuilles detruites, emettant des stolons somei rains hliformes, blanrhatres et non persistans. Racine forme'e de lubercules nombieux fa<ciculeux, ellipliques, prolongts en fibre grele cntremtlttes de fibres capillaires — In Gallia media et meridional)

^4d RANUNCULUS ALBICANS Joidan I c 10. + — Fleuis peu nombreuses, sepales tout couverts de poils soycux blanchatres, lance'oles, etale's ou refle'chis pendant la floiaison Pi tales dun jaune Im&anl assez pale, anondis, r<5lietis en onglel A l^{fl} base, mums au dessus de 1 onglct d unc ecaille ovale tronquee Etamines ne depusant pas le capitule des ovaire^ Carpelles disposes en cpi elliptique-oblong, obovales»-airondi», fnement tuberculeux cl hispulules, lei mines par un bfc acumme dresse ou faiblement courbt en doñor* qui n tgale pas leur longueur Feuilles d'un vert clan , couverte* de poils soyeux-blanchâtres, presque toutes ladicales et longuement pttiokcsi les pnmordiales ovales, souvent un peu retri*cies et point en coeur a.1B base, incise'ca-dcmees dans leur moitie* supeneure, & dents aigutes, les suivanles Uifides ou subtijpartites a divisions oblongues-cuneiformes, ne se recouvrant pa^{fl} leuis bords plus ou moms incisees-dentees ou lobées, a lobes e'troits et un peu aigus, toutes ovales dans leur pom tour, les caulinaires ires-peu nombieuses, à ~~se~~ments el a lobes Imiaues Tige cou\erte ainsi que toute la plante de poils soyeux-blanchiaircs, dresse, assez feime, terminee par deux ou trois rameaux peu Stale's et uninoids Souche \citicale, piesque nulle, emetiant des stolons filiformes blanchfitres ins-allonges et assez persistants Racine forrae'e de fibres capillaires, la plupar* renflees a la base en foime de lubercules grisatres cylindnques-oblongs Plante de 2 a 4 de*cm. — femes (in* Galln)

2b FUNUNCULUS FRIESEANUS Jordan I c 17 f— Fleurs nombreuses porteesjur des pedoncules non sillone's Sepales ovales-eiliptiques, velus, etal^s Pe*tales obovale*'' anondis, en coin a la base, mums dune e*caille tronquee plus large que longue e^t piesque t^gale alonglet Carpelles disposes en tèle globuleusc, obovales-arrond^{1^} coenpnmts a faces lisses et planes, mums d une bordure assez large el d'uo »^{ec} tits-court droit, doni la pointe est courbe*e et piomptement sphacelt'e Feuilles ve^r les, comerles surtout en dessous et sur les peuoles de poils etale's un peu f^{a o} dam, le bas de la plante, les infeneures longuement peiiole'es, orbiculaires-P^{ec} gomles dans leur pourtour el profondement divisees en 5 lobes de forme *.le^{ec} ihomboidale, tres-elargis et se lecouvrant par leuis bords, contracts vers la base

tri — quinquefides et incisae - deniēs a dens un peu aigües, leg lateraux à bords postérieurs souvent contigus et non deariēs du petiole; feuilles supérieures presque sessiles, n 5 divisions allongées et incisē'es-dentées, ou presque eotières et lintaires, lanceolē'es dans le haul. Tige dresse'e, flslultiusc, non sillonne'e, couverte suriout dans sa partie inferieure de poils fauves ou roussfttres irēs-e'talds, divisée au sommet en rameaux peu Stalēs et multiflores. Souç,be formē'e de rhizōmes obliques ou presque horizontaux, couverts en dessus des vestiges de petioles et tout be'risse's de poils fauves, pourvus infērieurement dans toute leur longueur de fibres radicales allongées simples et assez nombreuses, e*metant 'des bourgeons de liges ascendants divergents revdtus d'dcnilles embrassantes larges el peu pointuēs à [leur sommet. Plante de 4— 6 dCcim.— *R. sylvaticus* E. Fries, Nov. II. Suec. Manliss. III. p.-50. (ncc Thuill.) — i{. *lanuginosus* DC. Fl. Fr. IV. 899. — In Gallia (non raro). (*Hecatonia*.)

#. **RANUNCULUS BORAEANUS** Jordan 1. c. 19. + — Fleurs nombreuses, porte'es sur des pe'doncules non sillonnēs. Se'pales ovales, velus, Stale's. Pe'tales obovales curie" i-formes, munis à la base d'une e'caille tronqu^e plus longe que large et plus e'troite que l'onglet. Garpelles disposēs en l&e globuleuse, obovales-arrondis, comprime's, a faces lissēs et planes, forlement horde's et munis d'un bee e'troit, coraprime, trēs-court, droil, dont la pointe est courie oncfnule*e el promptement sphace'le'e. Feuilles d'un vert sombre, couvertes de poils trēs-courts et applique's, les infdrieures longuement pūtiole'es, orbiculaires-pentagonales dans leur pourtour e\ trēs-profondemeDt divide*es en 5—7 lobes de forme ovale-rhomboidale, allonge's, se recouvrant par les bords, cun^iformes A la base, iri — qirinqueBd«s, ft snbdivisions e'troites et profondes, incise'es, dcnie'es 4 dents aigufis-sublin^aires, los late*raux & bords postrieurs assez rapproche*s du petiole, mais rarement contigus, feuilles supérieures presque sessiles, à 3 segments line'aircs irēs-aigus presque entiers. Tige dresstSe, flsiuleuse, non sillonne'e, couverte de poils trēs-flns el trēs-applique's, ou souvent presque glabre surtout dans le bas, assez ramifle'e au sommet et multiflore. Souche trēs-compacic, ^mettant des bourgeons de tige dressēs, rapprochēs, nullement prolong^s en rhizomes à leur base et presque glabres. Fibres radicales irēs-nombreuses. Plante de 5—(j déc. — *R. acris y- multifidus* DC. Prodr. I. 36. — In Gallia occidental! (*Hecatonia* ?)

28. **RANUNCULUS OREOPHILUS** Ferret et Galinier, Voyage en Abyssinie III. pag. 87. no. 1. tab. 13. fig. 1. f — Radicihus longis terelibus productis ex ambitu caudicis descendentis succisi; foliis pinnatipartitis, lobis 3—4-jugis cum impari, deniato-trifidis, petiolis membranaceU; caule subnullo pednnculos unifloros folia non supcran'es diviso. — it. *tenuirostris* Steud. — Habitat in Abyssinia in montibus aliit. 13000 ped.

"- Pag. 11. no. 1a. **MGELLA HISPANICA** Linn. — Wlprs. Repert. II. 741. no. 2.

a- *genuina* Cosson, Notes sur quelques pi. du midi de l'Espagne II. 49. — Foliorum segmentis saepius omnibus anguste lineari - acutis. Floribus maximis. Sepalis *essilibus, basi vix attenualis, intense caerulescentibus. Petalorum labio interiore laciniis glanduliferas labii exlerioris subaequante. Slaminibus purpurascntibus. Fructu dense glaoduloso-rugoso, basi subrolundato, carpcllorum rostris horizontaliter patentibus. — Habitat in Hispania prope Gades.

P. *intermedia* Cosson 1. c. — Foliorum segmenlis saepius omnibus anguste lineari - acutis. Floribus quam in var. a paulo miooribus. Sepalis basi in unguem tertiam sepali partem aequantem coniraclis, intense caerulescentibus. Petalorum labio l'interiore laciniis glanduliferas labii exterioris subaeauaote. Staminibus purpurascntibus v«l flavescentibus. Fructu roagis minusre. glandlloso-rugoso. — Habitat in Algeria.

Y- *parviflora* Cosson 1. c. — Foliorum segmentis saepius abbreviatis oblongo-linearibus Floribus quam in var. a 2—3-plo minoribus. Sepalis basi in unguem di-midiam sepali partem subaequantem cootraclis, pallide caerulescentibus albidisve. Pen-lorum labio interiore laciaiis glandulifcris labii exterioris breviorc. Stamiuibus sae-

pius flavescens Fructu vix ac ne vix glanduloso - rugoso basi perianthio attenuato, calycellorum rostris patulis vel erectis scalis — Habitat in Gallia australi et in Perennaei hispancis

- II Pag 13 no 5 DELPHINIUM WISLIZEM Engelm Sketch of the bot of Wislitz exped 22 adn — Perenne erectum simplex glabrum petiole elongatis, infloribus basi dilatatis, lobis, pedicellis 5—7-partiis, lacinis incisus, segmentis linearibus acutis divaricatis, foliis laxe paniculato-racemosis, bracteis subulatis, lobis longe pedicellatis, calyci subulato curvato, & capsula paulo superante, sepalis 2 exterioribus* acutis, 3 interioribus obtusissimis, petalis brevibus acuminatis, ovaribus glaberrimis — Habitat in Mexico boreali (Cosihuinachi)

Ordo II. DILLENIACEAE DC

- II Pag 18 no 4766/, LEONTOGLOSSUM Hance in Wlps Ann botan system II 18 — Hance Diagn pi nov Austr Chin inodit II 6 — Capsula calyce bracteisque persistentibus circumdata, stylo coronato pergamacea ovata, sordide olivacea, nitens uniloculnata bivalvis, reliquorum ovulorum abortu 1—2-sperma Semina erecta nigra, arillo tenui nuiginibus eoso-denticulatis juventute albo, maturitate coccineo vestita — Genus *Dehmat* proximum differt dum sepalorum petalorumque numero ovulisque pluribus

Ordo III. MAGNOLIACEAE DC

- II Pag 18 4738 HIAHTOIBTIA *Blume*.

(Wlps Repert I 70)

1. M MACKLOTTII Koilhals, Nederlandsch kundig Aichef 11 3 p 97 + — Folia ovali - oblongis acuminatis concoloribus, petalis interioribus carnosissimis spatulatis, exterioribus calycibus ovalibus obtusis — Crescit in Sumatra, in sylvis montis Singalang in insula Sumatra
 - 2 M OORTII *KnobU* 1 c f — Foliis ovalibus, utrinque acutis, subtus glaucis, gemmis acuminatissimis, petalis exterioribus obovatis, basi subspathulatis*, interioribus spatulatis — Crescit in sylvis montis Singalang insulae Sumatrae
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Ordo IV. ANONAGEAE *Juss*

II pag 20 4722 » I J « U E T I A *St. Htl*

(WJprs Report I 85)

¹ D CORIACEA Sqnder, *Linnaea* XXII 557 f— Folus oblongis ncutis, basi in petiolum bievem canaliculatum angustatis, supra nitidis pilis stellatis sparsis, subtus dense lutescenti-lepidotis, pedunculis axillanbus subterms, medio bracteolatis bracteola lata aubinangulari, calyce petalisque eztus lepidoiis, mtus tomentosus, petalis ovatis acutiusculis, calycem acutum tnplo superantibus, samaus obotatis subdepressis pentagoms, stvlo nnicronatis, demum subglabns — In Brasiliae prov Minas Geraes

II Pag 20 no 2 ROLLINIA SONDERIANA Wipis mse — bonder I c f- Glabrescens folus ovatis obtusis, basi acutis, petiolalis, subtus glaucescentibus, pedunculis axillanbus geminis, allero brevissimo, longiore infra medium mmule bracleolato, substngiloso, calyce corollaque canescenti-puberulis, corollae petalis late obovatis patulis — *Rolhma glaucescens* bonder, *Linnaea* XXII 557 + (nee Miqu) — Grescit in Brasiliae prov Minas Geiaes

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Ordo VI. MENISPERMACEAE *DC*

n. P«g 22 470%. MOLiBÖULiIA *Wall*

(WIprs Report I 99 — Endl Gener pi Suppl I p 1417)

¹ H A(UMINATA I mdl Journ of the hortic soc II 313 adn — Foliolis ternatis quinqnatisque conaceis oblongo-lanceolatis acummatissimis, pedunculis petiohs brevionibus, se- P'>is acuminadssimis — In Nepalia

— — — — —

Ordo VII. BERBERIDEAE *Vent*

¹¹ P&g 23 no 5 b BERBERS PARVIFLORA Lindl Journ of the hoi t soc II 243 adn (c ic xjlogi) — Sempervirens folus angustis obovaiis veuus npicem 3—5 lobis spinosis supn glaucoscentibus subtus vindibua, racemis paucitlons folio paullo longio- ^J>us, nonbus paivis viellinis — Habitat (veii^imiliier) in America australi

If. Pag 23 no 5 c. BERDERIS HYPOLEUCA Lmdl. 1 c. 246 adn. (c. ic. xylogr.) — Sempeivirens foïis conaceis lalis obovaiis riislantei spinosis integnsque reticulatis, subtus albij>, raceme folns brevionbus. — In India onentali boieali.

t **Iconea addendfie.**

fi IMEGLRRIMA Brige. — Wlprs. Annal. I. 19. no. 3. — Bnge. Icon. pi. nov. Lehmann tab. I

B. MJMMULARIA Bnge. — Wlprs. 1. c. no. 4. - Bnge. 1. c. tab. 2.

Ordo X. NTHPHAEACEAE *Sahsb.*

If Pag 24. no 1 VICTORIA REGIA Lmdl. — La Victoria regia, au point de vue hortico-
le ft botanique avec des observations sur la structure fit les afflmes des Nymphae-
cees, par I. E. PLANCUON et par L. van HOUTTh. — Ouvrage orne des planches
colonees Inhogiaphiees ft gravces. Gatid (1850—51. 4 to. p. 52) — The royal Wa-
ter-Lily of South-America and the Water-Lilies of our own land, their history and
cultivation, by GEORGE LAWSON F. B. S. etc. Edinburgh. James Hogg (8vo. p.
1087.) 1851.

Ordo XI. PAPAVERACEAE *Juss.*

II Pag 26 no 1. EUCAPNOS SPECTABILIS Sieb. ft Zucc. - Lmdl. Journ of the bort.
soc. II. tab. 3.

Ordo XII. CRUCIFERAE *Adam.*

II. Pag 33. no. 8 NASTURTIUM (*Braya*) BOISSIERI Cosson, Notes sur quelques pi. du
raidi de I Espogne II. p. 26 f — Płanta annua vel biennis, glaberrima. Folia ^{du} ~~pa~~ ^{flrt*}
profunde pinnatipartita, suprema saepe indmsa. Flores raajusculi, fere ^{mgnitudine}
•lores *Brassicae Sapi* aequantes, in racemos terminales dispositi. PeUla ^{calycou}
longe supcrantia. Stylus in o\ams ci in siliqui^ junionbus tenius subulalus. ^{Pedicelli}

fructiferi 5—10 millim. longi incrassati patuli. Siliquae lineares, 25—30 millim. longae, iaxe tuberculato-scabrae, valvis nervo subtili saltern in parte inferiore distincto notatis. Semina biseriata, parva, fuscicentia, eximia foveolato-punctulata (matris ignota). — *N. asperum* Doisa. — Habitat in humidis et rivulis regionis montanae et alpinae regni Granatensis.

II. Pag. 45. no. 6. *THLASPI BRACHYPETALUM* Jordan, Observations HL. 5. tab. 1. fig. A. 1—11. f — Fleurs disposés en grappe terminée, simple, d'abord courte et très-serre, devenant très-longue à la maturité. Pédicelles d'abord dressés, un peu stylés, à la fin étalés horizontalement: Calice deux ou trois fois plus court que son pédicelle, égal à la base, à sépales ovales-oblongs, un peu concaves, bordés de blanc, munis de cinq nervures dont trois plus visibles. Pétales blancs, de même longueur que les sépales, ou un peu plus longs dans les premières fleurs, et plus courts ou nuls dans les dernières, oblongs, rétrécis, retournés vers le bas, veinés d'une manière très-visible. Étamines peu saillantes, les deux courtes égalant les pétales, les quatre dépassant la hauteur des anthères, qui sont elliptiques, blanchâtres ou un peu lilacées. Ovaire ovale-elliptique, très-obtus, tronqué - élargi, Style plus court que la longueur de l'ovaire, atteignant au moment de l'anthèse le sommet des courtes étamines. Silicule droite, rarement un peu redressée sur le pédicelle, plus longue que ce dernier, ou de même longueur, oblongue-obcordée, rétrécie inférieurement, un peu convexe sur les deux faces et surtout en dessous; à ailes des valves égalant au sommet leur largeur et rétrécies insensiblement vers la base, à lobes de l'écancrure ovales, obtus, arrondis en dehors, un peu tronqués sur leur bord interne, dressés et souvent rapprochés au sommet, séparés par un sinus large et arrondi à la base plus longue que le style et égalant le cinquième environ de la longueur totale de la silicule. Graines au nombre de 4—6 dans chaque loge, ovales-elliptiques, usées et d'un brun roux. Fertilites un peu glaucescentes et épaisses, entières ou légèrement dentées, les radicales elliptiques, rétrécies en péliole assez large et ordinairement plus court que le limbe, les caulinaires sessiles oblongues, profondément en cœur à la base, embrassant la tige par deux oreillettes obtuses souvent aiguës et allongées dans le bas de la plante. Tige souvent solitaire, dressée, ferme, arrondie, simple ou munie à sa partie supérieure de deux ou trois rameaux courts et peu étalés, très-garnie de feuilles dans les individus robustes, haute de 2 6 3 de c. Racine bisannuelle blanchâtre, à pivot ramifié un peu au-dessous du collet. Plante glabre, assez robuste, atteignant souvent jusqu'à 4 et 5 de c., après le développement de la grappe. — In belphinat.

2. *THLASPI SYLVESTRIS* Jordan I. c. 9. f. tab. 1. fig. B. 1 - 11. — Fleurs disposés en grappe terminée, simple, d'abord courte et assez serrée, devenant très-longue à la maturité. Pédicelles d'abord dressés, assez étalés, à la fin horizontaux ou souvent réjetés en arrière. Calice deux à trois fois plus court que son pédicelle, égal à la base, à sépales ovales-elliptiques, un peu concaves, bordés de blanc, à nervures très-peu visibles. Pétales blancs, deux fois plus longs que les sépales, obovés-oblongs, rétrécis vers la base en onglet, à veines peu distinctes. Étamines plus courtes que les pétales, ou presque égales dans les fleurs plus tardives; à anthères d'un pourpre violet très-foncé, paraissant jaunes pendant remission du pollen, à la floraison. Ovaire elliptique, un peu obtus. Style de la longueur de l'ovaire, atteignant au moment de l'anthèse le sommet des courtes étamines. Silicule ordinairement peu redressée sur le pédicelle et de même longueur, oblongue-obcordée, rétrécie inférieurement, naviculaire, très-convexe en dessous, à bords relevés en dessus, à cordes suturales assez fines, à ailes des valves minces, égalant au sommet leur largeur, rétrécies jusqu'au-dessous du milieu, presque nulles vers la base, à lobes de l'écancrure larges, ovales-arrondis, régulièrement écartés l'un de l'autre, séparés par un sinus obtus, égal au style, rarement un peu plus court, égal à peine à la longueur totale de la silicule. Graines au nombre de 4—6 dans chaque loge, ovales-el-

liptiques, lisses et d'un brim roux Feuilles un peu glaucescentes, pient souvent une teinte violacée, un peu épaisses, tris-entiers, les radicales ovales-elliptiques rétrécies en un pétiole étroit allongé et souvent double du limbe, les caulinares sessiles ovales-oblongues cordées - aunculces, à ocellites ovales obtuses assez courtes Une ou plusieurs tiges dressées un peu flexueuses, inondées, simples ou souvent rameuses, à nœuds allongés, à feuilles un peu épaisses, à nœuds de V_2 de l'enroulement Racine bisannuelle ou triannuelle au plus de couleur grisâtre \ pivot tris-oblique, souvent presque simple, ou munie de fibres assez grêles Plante glabre atteignant 3 ou 4 déc après le développement de la grappe — In Gallia (I^{on})

- 8 THLASPI OCCITANICUM Jordan 1 c 12 + tab 1 bis fig A 1-11 - Fleurs disposées en grappe terminale simple, d'abord couverte et serrée, devenant plus longue à la maturité Pédicelles grêles flexueux filiformes, d'abord dressés - étalés, à la base (In horizontal on un peu dités) Calice trois ou quatre fois plus court que son pédicelle, égal à la base, à sépales elliptiques-oblongs, blancs - membraneux sur les bords sans nervures visibles Pétales blancs, très-souvent lavés de rose, trois fois plus longs que les sépales, obovates, membraneux assez brusquement au dessous du milieu en onglet très-étroit faiblement teintés Étamines égales aux pétales ou un peu plus courtes, à anthères violettes devenant noires à l'émission du pollen qui est d'un jaune verdâtre Ovaire obovale elliptique, obtus Style de la longueur de l'ovaire, n'adhérant pas au moment de l'anthèse, le sommet des courtesses Silicule un peu ascendante sur le pédicelle, plus couverte que ce dernier, obcordée, rétrécie inférieurement, presque également convexe sur les deux faces, à côtes suturales fines, à ailes des alvéoles minces, planes, dépassant un peu leur largeur au sommet, incrustées insensiblement jusque vers la base, à lobes de l'encroûture ovales obtus cartés, séparés par un sinus assés ou étroit, légèrement dépassé par le style et égalant la longueur totale de la silicule Graines au nombre de 3 à 4 dans chaque loge, ovales-elliptiques, un peu rétrécies vers la base et d'un brun roux Feuilles très-glaucques, plus ou moins dentées, rarement entières les radicales oblongues ou elliptiques, à peine nues en pétiole souvent plus long que le limbe, et munies, surtout vers le bas, de quelques dents naissantes, les caulinares sessiles oblongues, ou elliptiques - oblongues un peu rétrécies du bas, cordées-aunculces, à ocellites allongés et souvent un peu aigus Une ou plusieurs tiges dressées, peu flexueuses, arrondies, le plus souvent rameuses, à nœuds allongés, à feuilles un peu épaisses, hautes de 1 déc environ Racine bisannuelle, de couleur blanche, à pivot ferme, perpendiculaire, rarement oblique, divisée à quelque distance du collet en deux ou trois branches principales. écartées Plante glabre, atteignant 2 déc au plus, après le développement de la grappe. — K⁸ partem de l'effluat

- 9 THLASPI GAUDIMANUM Jordan 1 c 14 f tab 1 bis B 1-11 — Fleurs disposées en grappe terminale simple, d'abord couverte et serrée, devenant très-longue et un peu écartée à la maturité Pédicelles jeunes flexueux et filiformes, dressés - étalés, à la base presque horizontaux Calice deux fois plus court que son pédicelle, égal à la base, à sépales ovales elliptiques bordés de blanc Pétales blancs, souvent lavés de rose, à l'extrémité deux fois et demie la longueur des sépales, oblongs-obovates, rétrécies insensiblement jusque vers la base Étamines égales aux pétales ou les dépassant légèrement à l'extrémité lilacées à la fin d'un violet foncé Ovaire obovale-oblong obtus Style court que l'ovaire, égalant les courtesses Étamines Silicule un peu ascendante sur le pédicelle, égale à ce dernier ou plus courte, oblongue-obcordée, rétrécie inférieurement, convexe surtout en dessous, à ailes des alvéoles minces, un peu rétrécies en dessous, n'égali pas leur largeur au sommet rétrécies insensiblement jusque vers la base, à lobes de l'encroûture courts, ovales-arrondis, écartés, séparés par un sinus plus court que le style et égalant à peine 1/3 de la longueur totale de la silicule Graines au nombre de 5 à 6 dans chaque loge, elliptiques, d'un brun roux clair Feuilles d'un vert foncé, entières ou un peu dentées, les radicales

obovues ou elliptiques, attdnuitos en pétiole 9ouvent plus Jong que le Hrabe, lea c'auli-
naires sessiles, oblongues*, obtuses, auricul'es, à oreillettes courtes obiuses et diri-
gées un peu en arrière. Une ou plusieurs tiges dressées, Aexueuses, arrondies, ordi-
nairement irès -simples et de'nudé'es vers le hant, haulea de 1 d4c. environ. Racine
bisannuelle, Wanchàire, à pivot gréie, fibrilteuse, coniournée, peu remittee. Plante
glabre, aiteignant 2 de'c. après le developperaent de la grappa. — In montibus Jurae.

10. *TILASPI VIRENS* Jordan 1. c. 17. f tab. Ibis C.I—11. — Fleurs disposers en grappe
terminale, simple, d'abord courte et serre'e, à la fin oblongue. Pe'dicelles assez fermes,
dresse's-e'iale's, à la fln presque borizontaux. Calice deux fois plus court que le pdi-
celle, égal à la base, *b.* sepales ovales-arrondis, munis d'une bordure blanche assez
large et de nervures peu saillantes. P'dtales blancs, obovales, rétrécis en onglet vers
la base, quelquefois un peu tronqués et sube'margines au sommet. Etamines presque
igfiles aux pCtales, à anihères ovales - oblongues, purpurines en dessus, d'un jaune
livide en dessous, noirâtres après remission du pollen qui est d'un beau jaune. Ovaire
ovale - oblong. Style un pea plus long que l'ovaire et de'passant un peu les longues
ét&mines au moment de l'anhese. Silicule un peu ascendante sur le ptklicelle et de
même longueur ou plus courie, oblongue-obcorde'e, rltrecie Inférieurement, assez ren-
fl<*>e, plus convexe en dessous, a ailes 'des valves un peu relevees en dessus, e'iroites,
^galant la moitié' de leur largeur au sommet, r6u-6cies inaengiblement vers la base, a
lobes de l'echancrure irès-conns, ovales, obtus, dearths, s^par^s par un sinus assez
ouvert longuement de'passe* par le style et Galnnt a peine Vio ou settlement V» d« la
longueur totale de la silicate. Graines au nombre de 4 a 5 dans chaque loge, arron-
diées-elliptiques et d'un brun roux. Feuilles d'un vert gal, on peu dpaisses, tres-entiere-
res ou quelque peu denies, les radicales 'tital&es en rosette, eHptiques, rfrtr^cia en
petiole plus court ou plus long que le limbe, les caulinares ovaies-oblongoes, espa-
cées, peu nombreuses, corde'es - auriculées à la base, à oreillettes courtes appliqués
obiuses. Une ou plus rarement deux liges dans chaque rosette de feuilles, dressées,
un jeu flexueuses, arrondies, très-simples, hâutes de 5 & 10 cent. Souche gr^le, à
rejeis courts, peu nombreux, termie's par des rosettes de feuilles formnt de petites
toutes assez Jaches. Racine grele, un peu blanchatre, fibnleuse et ramif^e. Plante
glabre, atieignant i'A ou rarement 2 decim. apres le de*veloppeoient de la grappe. —
Lugdunura Gallorum (Mont Pilat).

11. Pag. 46. no. 3. *IBERIS CANDOLLEANA* Jordan, Observations V. 37. f - Fleurs dis-
posées en grappe ombelliforme très-serrée et très-courte, mème à la maturity. Sili-
cules ovales-elliptiques, de forme assez égale, un pea convexes sur les deux faces,
surtout en dessous, ailes des valves égales à leur largeur au sommet, r^tr^cies en
dessous et a peu pres nulles a partir du milieu jusqu' à la base, lobe* de l'chancrure
ovales, biévement acumin^s, non divergents au sommet, formant un angle asset ou-
vert, e*galant a peine le quart de la longueur totale de la silicule, irès-faiblement de-
passe's par le style donl le stigmate esi peu dchancrd. Feuilles d'un vert pâle, très-
obovues, enlières, glabres, les radicales disposers en rosettes très-dentées, obovales
oblongues, allenu^s en petiole a la base, les caulinares spatulées, oblongues ou li<J-
oires, plus ^troites vers le haul, toutes obiuses à leur sommet. Tige quelque fois
simple, le plus souvent tres-ramif^c, un peu au dessus de la base^ ramif^e ascen-
danis, un peu flexueux, redressés, atieignant presque tout la ^{m 6 m e} S S B ? ; ^{1 f * 8} ;
simples et leuillds jusqu'au sommet, presque entièrement glabres. ~~Racine~~ ~~ramif~~ ~~forme~~,
bisannuelle. Planle de 5 a 10 cent, ou de 2 à 3 cent, dans les rocailles ~~très-arrondies~~. --
*> *nana* DC. Fl. Fr. IV. 717. nee All. — In Delphinalu el Galloprovincia. "

4. *IBERIS ATTICA* Jordan 1. c. 42. f — Fleurs disposers en grappe ombelliforme courte
et assez serrée, un |>u contractée à la maturity. Silicules régulièrement ovales-sub-
elliptiques, peu renflées, ailes des valves dpassant un peu leur largeur au sommet,
rétrécies insensiblement vers la base, mais fort distinctes dans tout le pourtour de la
silicule, lobes de l'ffchancrure ovales, obtus, rapproché's, formant à la fin un angle
HI.

très-peu ouvert, englant environ la longueur totale de la silicule, plus longs que le style dont le stigma est petit et mu en dessus d'un sillon peu marqué. Feuilles dressées-étalées, d'un vert assez foncé, peu épaisses, glabres ou finement ciliées, les radicales oblongues-obtuses, un peu dentées, longuement créées en pétiole à la base, les caulinaires oblongues ou linéaires-oblongues, rarement un peu dentées, obtuses, ou un peu aiguës dans le haut de la plante. Tige couchée inférieurement, divisée au dessus de la base en rameaux nombreux, diffus, étalés-séparément, flexueux, souvent redressés, simples ou quelquefois divisés au sommet, garnis de feuilles un peu distantes. Racine bisannuelle, assez forte. Hauteur de 8 à 15 cent. — In monte Hyraeio

- 5 **IDERIS POLITA** Jordan I c 51 f - Fleurs disposées en grappes ombelliformes courtes et serrées, peu ou point allongées à la maturité. Silicules petites, ovales-orbiculaires, très-arrondies inférieurement, tessérées d'une manière notable vers le haut, légèrement convexes sur les deux faces, ailes des valves très-étalées, n'égalant pas leur largeur au sommet, réunies insensiblement sur les côtes, très-peu visibles vers la base, lobes de l'échancrure latéraux, très-aigus, divergents, formant un angle très-ouvert, égalant le quart de la longueur totale de la silicule, dépassés par le style qui est surmonté d'un stigma petit et (à peine) au centre. Feuilles créées ou réfléchies, d'un vert clair, assez minces, planes, un peu aiguës et calleuses à l'extrémité, très-glabres, les radicales oblongues-lanceolées, atténuées en pétiole à la base, munies de quelques dents rares et courtes, les caulinaires oblongues-linéaires, un peu acuminées, les laminales plus courtes. Tige assez grêle, dressée flexueuse, simple ou divisée à la base, ramifiée au sommet, rameaux assez nombreux, peu allongés, dressés - (Holes, flexueux, simple ou un peu divisés, les intermédiaires plus allongés, glabres et relevés de côtes fines. Racine bisannuelle. Plante de 2 à 4 décim. — (Montpegat) Aiddche in Gallia
- b **IDERIS PROSTII** Soy -Will Fl. de la Lou I 73 — Jordan I c 53 f— Fleurs disposées en grappes ombelliformes, serrées et sentées, s'allongeant un peu à la maturité. Silicules ovales, très-arrondies à la base, assez créées au sommet, un peu convexes sur les deux faces, ailes des valves égalant leur largeur au sommet, créées insensiblement sur les côtes et un peu visibles jusque vers la base, lobes de l'échancrure latéraux, dressés, un peu soudés intérieurement au-dessus de la base du style, formant un angle médiocrement ouvert, n'égalant pas le quart de la longueur totale de la silicule, atteints par le style qui est surmonté d'un stigma petit et très-peu dépassé au centre. Feuilles étalées, souvent un peu déjetées, d'un vert glauque, assez minces, très-glabres, linéaires-lanceolées, un peu acuminées, terminées par une pointe calleuse aiguë, liées entières ou un peu dentées dans le bas de la plante. Tige assez grêle, très-lisse, élançée, ordinairement simple à la base, ramifiée au sommet, rameaux grêles, peu stricts, simples ou parfois bispides, dressés - (1816)*3, disposés en corymbe assez couvert. Racine bisannuelle. Plante de 4—5 d(Jc. — Lozdre el Gard (in Gallia)
- 7 **IDERIS TIMEROYI** Jordan I c. 54 tab I fig A + - Fleurs disposées en grappes ombelliformes courtes et serrées, s'allongeant un peu à la maturité. Silicules ovales arrondies à la base, un peu créées au sommet, aplatis en dessus, un peu convexes en dessous, ailes des valves étroites, n'égalant pas leur largeur au sommet, réunies sur les côtes et presque nulles dans le bas, lobes de l'échancrure latéraux, acuminés, divergents formant un angle très-ouvert, dépassant un peu le quart de la longueur totale de la silicule, plus courts que le style qui est surmonté d'un stigma très-court et à peine au centre. Feuilles grandes, dressées-étalées, d'un vert, peu épaissies, assez planes, très-glabres, linéaires-lanceolées, un peu aiguës et calleuses à leur extrémité, les inférieures assez larges et munies de trois à quatre dents très-courtes de chaque côté, les moyennes et supérieures allongées, un peu acuminées, très-entières. Tige ferme, très-lisse, presque toujours simple à la base,

famille en dessus du milieu, rameaux fermes un peu anguleux, simples ou bifides au sommet, dressés-étales et disposés en corymbe assez ouvert. Racine bisannuelle Plante de 5 à 10 décim — Isère

- 8 **IBERIS COLLINA** Jordan I c 57 t - Fleurs disposés en grappes ombelliformes assez allongées \ la maturité" Silicules ovales-elliptiques, peu ou point réticulés vers le haut un peu arrondies dans le bas, convexes en dessous, ailes des valves égalant ou dépassant un peu leur largeur au sommet, rétrécies insensiblement sur les côtés et visibles jusqu'à la base, lobes de l'attachement fançonnés, acuminés formant un angle assez ouvert, n'égayant pas la moitié de la longueur totale de la silicule, atteints ou rarement un peu dépassés par le style dont le stigma est assez large et visiblement emarginé Feuilles dressées-étales ou à la fin déjetées, veitues, peu épaisses, penninerviées, glabres linéaires-oblongues, assez brièvement rétrécies aux deux extrémités, terminées par un mucron calleux peu aigu, les inférieures munies de chaque côté de trois dents saillantes, les moyennes et supérieures ordinairement très-entières Tige dressée, un peu flexueuse, simple ou le plus souvent divisée au-dessus de la base, lamifiée au-dessus du milieu, rameaux un peu anguleux, flexueux, ordinairement simples peu (Hales souvent ascendants à la base et redressés à la maturité disposés en corymbe peu ouvert Racine bisannuelle Plante de 2 à 4 décim — Semences de pal t Am
- 9 **IBERIS VIOLETI** Soy -Willem ex Godion, Fl Lorr I 73— Jordan I c 59 +— Fleurs disposés en grappes corymbiformes assez serrées et un peu allongées & la maturité Silicules ovales- elliptiques, légèrement rétrécies au sommet et à la base, un peu convexes en dessous, ailes des valves égalant à peine leur largeur au sommet, rétrécies insensiblement sur les côtés et presque nulles vers la base, lobes de l'attachement ovales acuminés formant un angle assez ouvert égalant le cinquième de la longueur totale de la silicule, atteints par le style dont le stigma est marqué en dessous d'un faible sillon Feuilles d'un vert un peu foncé lisses, glabres très-étales ou nées linéaires-lanceolées, atténuées à la base ou au sommet, les caulinaires intérieures munies souvent vers le haut de deux dents saillantes, les supérieures très-entières Tige assez épaisse, roide dressée, un peu flexueuse, tantôt simple, tantôt très-divisée au-dessus de la base terminée par des rameaux en corymbe très-étales, un peu flexueux, simples ou quelquefois bifides Racine bisannuelle Plante de 2 décim — Depait de Meuse
- 10 **IBERIS DURANDI** Lor ft Dur Fl de la cot d Or I 68 tab 1 — Jordan I c 60+— Fleurs disposés en grappes corymbiformes assez serrées, s'allongeant un peu à la maturité Silicules ovales elliptiques, un peu rétrécies au sommet et souvent à la base, un peu convexes en dessous Ailes des valves étroites n'égayant pas leur largeur au sommet très rétrécies sur les côtés et presque nulles vers la base lobes de l'attachement ovales, brièvement acuminés, formant un angle très-obtus, égalant le sixième de la longueur totale de la silicule, atteints ou un peu dépassés par le style dont le stigma est petit et marqué en dessus d'un faible sillon Feuilles d'un vert foncé, souvent un peu lisses en dessus glabres lisses, très-étales ou réfléchies un peu: Laires-oblongues, rétrécies à la base et unijugées, « >TM< ^TM » calloses peu aguettes, les radicales et caulinaires inférieures rondes et quelques-unes vers le haut de chaque côté, de 1-2 dents très-courtes, les inférieures terminées par une Uresice ferme, élançée, un peu anguleuse, tantôt divisée au-dessus de la base, terminée ^ des rameaux en corymbe dressées-étales simples Racine bisannuelle -Plante de 4 à 6 décim — Cole d or
- <1 **IBERIS DOPPARDENSIS** Jordan I c 62 + — Fleurs disposés en grappes d'abord courts et ombelliformes s'allongent pendant la floraison presque oblongues à la maturité Silicules ovales - subellipsoïdales légèrement rétrécies au sommet un peu convexes sur les deux faces, surmontées en dessous, ailes des valves égalant à peine leur

largueur au sommet, re'rtcies insensiblement sui les cous et piesque nulles au-des-sous du milieu jusqu a la base, lobes de 1 < chancrure ovalcs Imiceoles, aigus, form ant un angle asse/ ouveit, peu ou point divergents au sommet, n t'galant pas le quail de la longueur lotale de la silicule aliemis pai 1c stjle dont 1c stigma est pent et assez visiblement de'pnme' au venire Fcuilles (Inn vcit pile, issez (pusses, tlaltes ou de jeux, lineaires ou lincaires-lance'ole'es, ntre*cies au sommet rt a la base, terminees pai une poinle calleuse un pen niguc, les mft'rieures mntes de quelques dents* très-couries les moyennes et sup« jicures trts-entières et assez e*troites Tige dresse souvent simple infr'rieuremeni tn s-nmifl<e au sommet, rameaux un peu anguleux fermes, simples ou rarement bifldes assez units ascendants à leur extremite supt-neuro, disposes en corymbe nicgulier Racine bisnnuelle Phnte de 4—6 decim — / *diiaicata* et *mtei media* Koch, S\nops (ex p) — Boppard

- 12 **IBERIS INTERMEDIA** Gueis Bull phil no 82 t 21 — Jordan I c 64 f - Fleuis disposers en giappes ombellifoimes assoz semes, s allongeant un peu a la matuntr Silicules ovales, prcsque (gales a la base el au sommet, un peu convexes sur les deux faces, surlout en dessous, ailes des valves larges, dtpassant un peu leur largeur au sommet, ntNcies su'r les cotes et presque nulles a partir du milieu jusqu a la base, lobes dc léchanuure ovales acumme'es, dnergents au sommet, formant un angle U^s-ouveit ignlant presque le tieis de h longueur totile de h silicule, ddpassant longuement 1c sljle dont le btgmn est pent et marque en des<us dun trcs-faible sillon Feuilles vertes un peu Ipaisses dress< es - (Mh es ou courb(es en dehors, liruaires-Innciolres, r<H(cies i la hnse, un peu acumindes au sommet i poinle calleuse aigm, les infneures munies de quelques dents près du sommet, les moyennes et supmeii-les ti_s-enti(its Tige dressee assez ferme souvent simple infneurement, munie au sommet de nmeaux en cotymhe, ditssies-tlaltes, simples ou parfois bifldes Racine b/sinnuelle Plante dt 4 i 6 dt'cim - *Seme* infmeure
- 13 **IBhrfS PANDLRAEFORfHS** Pourr mss ex Jordan 1 c 67 f— Flours disposetes en grappes d abord courtes et scrixes, s allongeant pendant la flomson, pre^que oblongues a la matuile Silicules ovales - orbiculanes, clargies au sommet, coinexes eu dessous ailes des valves «giles a leur largeur au sommet nincies insensibltnunl sur les colts et tids-disinctes jusqu a la base, lobe<< de Itchinrcurc ovalcs, obtus, formant un angle issez ouvtrt, n<t,alanl pas les quart de la longueui totale de la silicule, dtpassant le style donl 1c stigma csl marqut en dtssus dun ltger sillon Feuilles dun veil ascz form, subcilies, plamuscules, un peu <pnisses, non calleU'' ses au sommet, dressiest ink es, oblongucs, obiuses, profond^ment sinutfes-lobties ou subpinnatifides, a lobes oblus Unc ou plusieis tigts dress(et> assez fermes, subci* liees, tits-iamcuses, iameau\ en corymbe dresstes - ttalts*, anguleux, pubescenis, presque simples Racine annuelle Phnte de 2 I 3 decJin — Midi de la France.
- 14 **IBFRIS PINNATA** Gou hoit Monsp 319 — Jordan 1 c 68 f — Flcurs disposets en grappes ombelliforincs as^ez denses, resseirtos et assez couites à la matunte Silicules ovalcs-arrondies, de forme piesque tgnle un peu convexes en dessous, ailes des valves c*gihnt ou depassant un peu leur laigneur au sommet, ie*trtcies infeileui^* ment el ties-distinctes jusqu a la base, lobes de 1 ecliancrure ovales, aigus, bnevement soudt>s vers la base du stjle, formant au dessus un angle assez ou^ert, n egalont pas le quart de la longueur tottle dc h silicule, atteints pnr le style 'ont le stigma est petit et faiblement ritprime au centre Feuilles dun vert issez fonct, un peu creuseles en gouttiere, fnement cilices -1 ubescenles ou ghbnutcules toutes pinnliff' des a lobes ttalts-Imtiires obtus, les caulmaires souvent pounouts i leui nisselle de rameaux axillaires sieriles Tige dresse, lantot simple tiniot tits-divisc'e au-des-SUB de sa base, ramiflee a sa partie supeneure, rmeaux die^sds -1 tales, dispose en corjmbe et piesque nneles, simples ou bifldes, fnement rudes-pubcsconis sin d^s angles Hacine annuelle ou souvent bisannuelle Plonte de V/2 a 3 d^cim — In Gallia mendionali conxmunis

18 *IBERIS PETRAEA* Joidan I c 69 tab 1 fig A f - Fleurs disposées en grappes ombelliformes, qui ne sont point allongées à la maturité. Silicules ovales orbiculaires de forme assez égale, entées - convexes en dessous, ailes des valves égalant à peine leur largeur au sommet, rétrécies insensiblement sur les côtés et visibles jusqu'à la base, lobes de l'échancrure ovales, obtus, formant un angle aigu, égalant le cinquième de la longueur totale de la silicule, longuement dépassées par le style dont le stigma est un peu déprimé* au centre. Feuilles (feu vert assez foncé, un peu épaisses, les radiées oblongues-subspatulées, assez longuement rétrécie en pétiole à la base, munies sur les côtés de 1—2 dents très obtuses, ou souvent presque entières, glabres ou munies de quelques cils épars, les caulinaires éparsement dressées-cilices, oblongues ou linéaires-spatulées, tantôt entières, tantôt munies vers le sommet de deux grosses dents, garnies sur les bords et souvent sur les faces de petits cils ciliaires, rarement presque glabres. Tiges assez nombreuses, simples, grêles, flexueuses, souvent ascendentes à la base, anodées, lisses, un peu ciliées, surtout dans le bas. Souche vivace, assez compacte, à rejets très courts, nombreux, terminés par des rosettes de feuilles ou des tiges florifères. Plante de 4—6 cent. — In Gallia meridionali (Basses Pyrénées)

u pag 46

4889. *BISCUTEIA* Linn.

(DC Prodr I 181. — Wlprs Report I 15?)

1 *B. FRUTESCENS* Cosson, Notes sur quelques plantes du midi de l'Espagne II p 27 f — Planta perennis frutescens caespitosa. Radix crassa lignosa caudiculos numerosos pinnatis apice rosulas foliorum gertates. Folia rosularum crassiuscula ovato-oblonga, in petiolum longe attenuata, macqualiter subduplicato mucronato-dentata, molliter denseque villosa tomentosa. Rami floerentes subherbacci, 3—4 decim longi paucifolii, foliis sessilibus. Floeris paucivuli, in paniculis racemiformes multifloras dispositi. Petala ad unguem bicarunculata. Siliculae parvae, basi et apice emarginatae, margine tumido cinctae tenuiter caunato, loculo uno aliove aliquando abortiente. — Habitat in fluminibus rupium abruptarum regionis subalpinae legum Gamiensis, ad faucis montis Sierra de Ronda

u pag 4b

4889/a. *DITHYRKA* Harv

(Wlprs Report V 38 — Engelm Sktch of the bot of WISLIZCZ exped p 11 adnot — Charact emend)

Sepala quatuor basi aequata oblongo-lineata. Petala 4 spatulata, basi amplata. Stamina sex tetradynama libera edentula. Stylus brevissimus, stigma incrassatum. Silicula sessilis biscutata, basi et apice emarginata, a lateis plano-compressa. Semina in loculis soil tana compressa immarginata horizontalia. Cotyledones planae radicales descendentes. Uterum septum spectanti accumbentes.

1 *D. WISLIZCZ* Engelm 1 c f — Eiecta incano-pubescentia ramosa foliis breviter pedicellatis repando-dentatis, racemo umbelliformi, demum laxo elongato; pedicellis glandulosis horizontalibus, flore longioribus, sepalis calycis aperti patulis, petalis (albis) obovatis unguiculatis, basi dilatata subcordatis, stigmate cordato conico, siliculis basi profundius emarginatis. — Habitat in Nova Mexico

* *D. CALIFORNICA* Hbiv — (Wlprs 1 c) — Engelm 1 c 112 adn — Pedicellis basi glandulosis horizontalibus, flore multo brevioribus, sepalis calycis cylindrici clausi erectis, petalis (lucis) linearis-spatulatis, stigmate bilobo, siliculis apice profundius emarginatis. — Habitat in California

II Pag 48 4902/la rITHAREIOMA Bnge.

(Wlprs Reperl V 39)

1 * < 11 IIMANNI ling — WJpiH | c no 2 — Dngo Icon plonl lor I ehmann
lob 5 fig 1

? *C VERJUM Bnge - Wlpis 1 c no. 1. - Bnge I c tnb 5 fig 2

n Pag 48. '4905/,. STREPTOIJOMA Bnge.

(Wlprs Annal I 40)

I 'STR DESERTORUM Bnge — Wlprs 1 c — Bnge. Icon plantar rar Lehmann tab
4 flg 2

II Pag 51 no 9 LCPIDIUM (*Elhpsanai*) GRANATENSE Cosson, Notes sur quelques
p] du midi de l Espagne II p 27. & 51 f — Planta perennis, saltern in parte supe-
rjore caulium villosa-subtomentosa, ranus pubescens vel ommno glabra Rhtzoma
verlicale, 1—3 rosulas foliorum emiliens Caules plures, rarius subsolitarn, 5—25 cent
longi, diffusi ascendentes, simplices, in axiliis foliorum inferiorum rosularnm nascentes
ve) in axillis foliorum anni praecedentis Folia rosularum radicalmm obovaia vel ob-
longa in petiolum longum atenuata, integernma denticulaia sinuata vel Ijrato-pinnati-
pilula, caulina oblonga vel ovnta, obiusa vel acuta, dentaia vel denticulate, ranus m-
tegra, bnsi rotundata vel breviler aunculato - sagittaia, aunculis vix manifests Flores
.ilbi, cnlyce saepius nc pcdicellis \iloso-tomentosis S h lus ovam longuudinem adae-
fluans Rncemi fiucufcu Jaxiu^culi elongati, ranus abbrevjati Siliculae jumes m-
i nno - tomentosae, dein villosae vel puhescentes, ranus glabrae, ovato - oblongae, basi
pdium attenuatae, alatae, margme alacfoimi fere tertiam siliculae par tern acquante,
rlorso valde convexo, venire plamuscuro vel convexmsculo, apice vix relusae vel MX
emarginatae "Stylo clongato Semina in quoque loculo solitana — *L. calycolnchum*
Knze — *Thlaspi scapiflorum* Viv. — Wlprs Report. I. 155 no. 4. — Habitat in monte
Sierra de las Nieves regm Granatonsis

II l\ig 52 no 3 ISATIS (*Glaitum*) INDIGOTICA Fortune mss ex Lindl Jouin of the
hoi tic soc I 270 (c ic) f — Suflruticosn folus ladicibus glaucis ovali-lanceolatis
Jatitudine lei longionbus obsolete dentads, caulmis linennbus, siliculis lineanbus gla-
bris, siigmate sessili coronatis, nredio paullulum constnctis &c basi angustionbus —
Habiot jn China boieali

t Icone§ addendae.

1 MINIMA Bnge — VMpis Reperl. V 48. no 31. — Bnge Icon plant uo\ar Lehmann
tab 6 B

I VIOLASC HNS lingo — Wlpi a Annal I 46 no 1 — Bnge I c tab 6 A

li Pag 52 4938/, PACHYPTfiRYGIUM Bnge.

(Wlpis Rcpit V 48)

1 'P BREVIPES Bnge — Wlprs 1 c no 3 — Bngo Icon plantar novai Lehmann
tab 7 G

2 -P. LAMPROCARPUM Unge — Wlprs 1 c no 1 - Bnge I c Jab 7 A

3 *P. MULTIGAULE Bnge - Wlpis I c no 2 - flnge 1. c lab. 7 B

II Pag 52. 4940/2. *CARTOLOMA* Bnge.

(Wlprs Repeit. V. 49)

i (II PLATYC AHPUM Hnge. — Wlpi*. I. c — ling*. loon plant, rar Leliiuann
inb. 3.

ii Pag. 53. 4943/L. *I*ACIIWOIiOMA* Bnge.

(Wlprs. Report. V. 49.)

1 'L XEHMANNI Bnge, — Wlprs I. c. — Bnge. Icon, plimtar. novar. Lehmann.
lab 8.

H Pag. 53. 4943/8. *OCTOCERAS* Bnge.

(Wlprs. Annal. I. 47.)

I 'O. LEHMANNI Bnge. — Wlpra. I. c. — Bnge. Icon, plantar, novar. Lehmann. lab
4. Hg. 1.

II Pag. 53. Addatur- f *Genus Notorrhizeum Lepidineum? Oxystyli affine.*

WISLIZENIA Engelm.

(Engelm. Skich. of the bot. of Wisliz. ezed. 15. adn.)

Sepala quatuor. Petala quatuor oblonga breviter unguiculata. Stamina
*x^s toro cylindrico inserta, filamenta filiformia longe exserta, aestiva-
tione iuflexa. Ovanum longe stipitalum globose didymum biloculare,
locuhs 2-ovulatis; stylus subulatus elongatus, stigma globosum. Cap-
sula sihculaeformis, didyma tuberculata cum stipite in pedicellum fili-
formem refracta biloculans, loculis plerumque per arbortum mono-
Pernns; valvis urceolate a dissepimento pertuso solutis, semep in-
ciudent]bus^semen conduplicato-reoiforme laeve, cotyledones radiculae
superae incumbentes. — Annua herba habitum referens *Cleomellae*:
fols ternatis; stipulis distinctis laciniato-fimbnatis; racemis elongatis;
n^onb^{us} luteis.

! 'W REPRACTA Engelm. 1 c adn. f — Habitat in Nova Mexico.

ii p<<g 54 no 4 BRASSICA (SINAPIS) OXYRRHINA Cosson, Notes sur quelques pi
lu midi de l'Espogne II. p. 26 f — Planta annua vel biennis. Gaulis simplex vel su-
Perne inmosus eiccus subnurius Folia radicalia lyrato-pinnaiisecla, lobo termmah
°bolato grosse lobulaio, lobis lateralibus lanceolato-lineanbus inaequaliter dentatis vel
subpinnuifidis lobulis lineanbus, secus nervos et ad maiginem praecipue pilis albis
brevibus rigidis stugosa, caulina perpauca, 3—6, remoto, infima pinnatifida vel deniata,
supenora lineana deniata vel integomma, saepe squJinaefonnia Pedicelli fructifen
eiecto-pniuli, \al\arum sihquae longitudinem subaequantcs. Siliquae 4—6 centimetr.
longae glahernmae compresso-subtelingonae, longissime lostialac, vnvis con\exo-ca-
unatis, 3—5-nervus, nevis reciusculis, mcldio piommenic, lawiahbus paulo teuunionbus,

intomedns vix disiinctis cum medio el Idieralibus vonuhs anastomosantibus juncns, rostro subteretJ-subuhto, valvarum longitudjnem superanie, basi 1— 2-spermo *Seimpi* globosa, punctnta Colyledones conduplicatae-, radiculam doisakm amplectenlP9 — Habitat ad ostium Huminis Guadalquivir in llispama meiidionali

H Pag 56

4972A. OUIRAOA *Cosson*

(Gosjson, Notes sur quelques pi du midi de l Espagne III 9?)

Calyx tetraphyllus laxus, sepalis basi aequalibus Corollae petala 4, liypogjna indivjsa, longe unguiculata. Stamina 6, hypogyna, tetradynama libeia, flamenlis edentulis Glandulae hypogynae 4, 2 infra slaminum longioium pana, 2 mserlionem staminuin laterahum cncum- \allanlia Siliqua abbieviata conacea indehiscens biarticulata, arlicubs biloculanbus secedenlibus, infeiore pedicello paulo crassiore obconico dispermo, post arlicuh superions delapsum facile in duas \alvulas obhquas paitibili, septo nlnnque seminum pressione excavato persistente, supeuore subglobozo m stylum subulatum basi conico - incrassatuin attenualo, alalo-costalo, costis 8, dispermo Semina aiticuh infcnons pendula, articuli supenons erecta ovalo-oblonga compressiucula Embryonis exalbummosi cotyledones conduphcatae, ladiculam amplectantes, emarginatae — Heiba in Hispania austro-onentah indigena, hispidula Flores lutei Racemi fructifen elongati virgati ebracteati, pedicellis fili- formibus slnctis.

1. G ARVENSIS *Cosson* 1 c 98 — Planta annua *Caulu*> teics stuatus, snbsimplex vel supcine ramosus, ramis subcorymbos/s, od basin imprimis hispidus pilis-elbis latis reQexis Folia oblonga in pctiolum attenuata, inaequahter smuaio-dentnto vel pinnati-Ada Calyx laxus Petala caljce subtnplo longiora, unguibus cnljcem excedenlibus, limbo obovato iuico Racemi fructifen virgati, 2—5 decim longi, pedicellis 3 mill'* metra circiiei longis eiectis Siliquae circuer 1 centim. longae eiectae, axi approxi- motae, praesemm in aruculo infenore hirtae, arliculo infenoie sublercti, supenore olalo-costato, costiis luiescentibus, diameiro Ioculorum lalionbus crassiusculis suberosis, loculis sepiisque osseis, shlo longitudinem aruculi supenons subnequante Semio^{fl} sub lenie acnore subulissime punctiata. — Habitat in arvis regm Murcici (in *Hispania*) prope Jumilla

Ordo XIII. CAPPARIDEAE *Juss.*

- II. Pag 59 no 2 'BOSCIA ANGUSTIFOLIA A Rich - Wlpris Ktpeil I 196 no * — terret a Galmiei, Voj en Abjss III 91 — *Boscia icticula*Ui Hochst — Wlpr* A 100
II 59 no 2 — *Boscia Senegalensis* Hochst mss
-

Ordo XIV. BIXAGEAE *Endl.*ii. Pag. 61. 5668. raOBBBOS *Lour.*

(WJprs. Repert. I. 103. ft HL. Emend, p. 1.)

1. PH. SAEVUS Ilance, Diagn. pi. nov. Austr. Chin. ined. 11.9. — Arbuscula: irunco spinis valiriis rectis simplicibus vel ramosis (ramis aborlivis) arm a to; ramia junioribus compressiusculis; foliis aliernis ezstipulatis ovalis ellipticis vel elliptico - lanceolatis, obtuse acuminatis, basi eglandulosis, in peliolum brevem supra canaliculatum cuneato-attenuatis, distanter repando - serratis epunctatis glaberrimis* nitidis, supra viridibus, subtus pallidioribus reticulato - venosis, venis pagina superiore impressis, subtus viz prominulis; floribus parvis flaventi - albis pedicellaiis in paniculas axillares et terminates has folio plerumque duplo longiores, illas folio dimidio breviores dispositis, evolutione vaga; perigonio 8—10-partito biseriali campanulas, aestivatione subvalvata, Inciniis coriaceis ciliatis, interioribus dimidio longioribus; staminibus pluribus (circ, 60) hypogynis perigonii lobis 6-plo longioribus, filamentif .capHlnribus liberis, ajitherls ovali-subgtobosis bilocularibus processu lingulfrml auctis; ovario supero ovato uniloculari, stylo filiformi ante anthesin inter perigonii lacnias protruso, ovario iriph) longiore; staminibus paulo brevioribus, apice viz dflatato, angulis 4 stigmatosfs; ovulis pluribus placentis 2 parietalibus adflzis; bacca rubra magnitudine ptai minoris glabra, perigonio staminibusque suffulta, stylo coronata; semfnibus 2—1 ovoideo - oblongis angulau's in pulpa gummosa nidulantibus. — Folia (incl. petiolo 3—5-lin.) 3'A—4 poll, longa, 1—2 poll. lain. — Habitai in sylvulis insulae Hongkong.

Ordo XV. CISTINEAE *DC.*". Pag. 63. 5028. C I S T U * *Tournef.*

(DC. Prodr. I. 263. — Wlprs. Repert. I. 206. II. 705, Annal. 1.64.)

- * C. (*Ualimum*) BOURGAEANUS Cosson, Notes sur quelques pi. du midi de l'Espagne ¹¹. p. 30. f — Caulis fruticosus ramosus humilis diffusus ezatipulatus; ramis vetulis conice cinereo - fusciscente rugoso, juoiribus folialis pubeaeniibus. Folia linearia, basi paululum attenuate, margine revoluta, supra viridia, subtus ineano - brtvisslmeque tomentosa, nervo medio prominent© canaliculato sulco glabrescente, et Inde quasi finervia, nervis conliguis, juniora glutinosa. Pedunculi terminates, ac pedicelli glabri glutinosi bracteati, bracteis caducis ovatis vel oblongis-acuminatis, 3—4-florl, rarius biflori. Flores albi, diametro 2 centim. longo apice pedunculorum umbellaii. Calyz, sepalis 2 ezterioribus nullis, 3-sepalus, sepalis ovalis acuminatis glabris gliuinosis. Stamina numerosa. Ovarium globosum, stylo brevissimo, 1 millim. longo recto, stigmatate capitato, staminibus superato. Capsula sericeo - pubescens, ovato - subglobosa, Perfecte 5-locularis, 5-valvis. Semina trigona granulata. — Habitat in incultis agri Gaditai.

II Pag 64 no 5b HELIANTHEMUM (*Tuberana*) SCORPIOIDES Cosson, Notes sur quelque? pi du midi de l-Esp 29 f — Planta annul Caulis erectus rigidus, pilis longis albidis villosus Folia sessilia villosi, inflma oblongo lanceolati tinnervia opposiia, supenora lanceolato-linearia ilterna snpulata, **siipulis** folnceis lmeinbus elongws Flores in racemos terminates secundos ebracteatos scorpioideos densos sub anthesi ic in *Borragmeis* apice circinnatim revolutos congest!, sessiles vel brevissimc pedicellati pedicello calyce multoties breviorc Sepala ovata, longe villosa-canescenctn, 2 exienora mijora inienora obtPgentia eaque longe superantia, bisi maequaliter corditn, marginibus demum revolutis, 3 intenori inter se nequalia Peiah ac in *II guttato* Milgmn paulo minoia, luiea, ba9l nigro-maculan Stamina numerosa, ovano multo longion Sngma hemisphienctm, magnum subsessile Ovula recta Captula ovata tngoni acuti-uscula, incomplete tnloculans 3-valvis, polrsperma Semina mmuta, pillule flae-scentia, ovata vel ovato-subglobo«a ac in *II guttato* punctato-oheolata, punctis sub lcnct atrioie albido - hyalims Micropjle extremiatem seminis hilo oppositam occupante Fmbrjo circumflexus — Habitat in incullis agri Gaditam ct prope Puerto Santa Mai la in Hispama austrah

II Pag 64 no 7 HELIANTHEMUM (*Luheliantthemum*) VELUTINUM Jordan, Obscrv III 35 f tab 2 flg A 1—11 — Fleurs disposees en giappe termmale, simple, pauciflore, daboid courte et enroutle, puts allongee et redressece par l epanouissement successiv des flours Pi dicelles depassant un peu le calice, insensiblement epaissis vers le sommet d abord fermes et dresse*«, puts contournts et rtflechis a h matuntc falice blanchatie, couvrt de petits polls etoilés, deux fois plus com t que la corolle, sdpaes inieneuis liois fois plus longs, larges, obliques oviles, obtu>, concaves mirques de 4 cotes ou nervines itunies au sommet a bords intgatu, blanc& scaneux sur le boid inteine qui est un peu dentl^ a son cxlrcmiti supeneure Petales blancs, a onglct liunntie, obo\ts, trts-ehigis du haut, un peu moms longs que larges Ctamines deux fois plus courtes que les potdles Si^le un peu coudt veis le milieu, epaissi an sommet, de Id longueur des ttamines et tiois fois plus long que l otaire Cipsulo ovale-arrondie, velue Grimes brune», irrccguherement anguleu^es, ovales, obtuses, aussi larges que longues Feuilles pcliolecs, oblongues ou oblongues - linenres un peu emouks en des^ous a lttal jeune, ct a la fin planes, a lnbe mil que en dessus, dins son milieu, d une depression longiludmale, rele\c en de& sous par une cote un peu saillnnc, couveites sui les deux faces dun duvet plus ou moms blanqhalie, surtout en dessouo veloule, tres-fm, pcisistant, forme de lies-penis poits etoiUs entre croiscb, pounues de deux stipules line*aires e*galant une fois et demie la longueur du petiole Tigc» epaisses, ligneuses, nues et lortueuses a la base, dun biun rougeSu^t a rameaux flonferes herbaces, dressees, non ascendants a la base peu loides el blanchatres comme les feuilles Racine duie ligneuse, peu ramiflee de couleur brune Plante de 2 \ 4 dec, apies le de'veloppement des grappes, a feuilles tr«s-douces ait toucher — In vallibus Rbodam

t Icon Addenda.

HELMANTHEMUM PULVERULELNTUM DC Prodr I 282 no 103 - Jordan, Observal III 41 f tab 2 B fig 1-9

Ordo XVI. VIOLARIEAE DC.

II Pag 6?

5041/., PICKEA DC

(DC Prodr I 307 — Wiprs Repert. II 767)

¹ *P GLAUCA Endl mss ex Vnese in Lehm Plant Preis« II 242 — *Vlamwgta An-sialistica* >nese — Wiprs Reperi YI 380 no 1

Ordo HZ. POLYGALAEAE Juss

II Pag 79 DO la POLYGALA (*Polygonum*) BOISSIERII Cosson, Notes sur quelques pi du midi de PEspagne III 100 f — Plants perenms. Caules 15—30 cenlim longi, basi decumbentes, ascendenles vel suberecti, brevissime puberuli, ramis florifens «o-tilarus Folia inferiors oblongo-obovata, basi attenuata, sparsa ad basin rami flonfen haud tosulata, supenora lnnceolato-lineaua, longiora Bractee apice racemorum sub anthesi baud comantes, media pedicellum subaequante vel paulo superanie Flores maju*culi rosei, in ncemos subaxilloros 3—15-floros dispositi, alae majusculae, tempore florescentiae ac corolla roseae, nervo medio virescente, fructiferae submembrana-cae, 12—15 mi Him loogae, 8—10 millim latae, ovato-oblongae, apice rotundatae, basi «ubuo contractae, 5-nerviae, ner\o medio ramoso cum nervis lateralibus venis anastomosante, nervis lateralibus apice vena obliqua conjunctis, externe venosis, venis ramulosib areolato - annsiomosanubus Corollae petala 2 superiors mtegra et mferius lacinnatum ahs superantia Ovanum stiprtatum, stipite tempore florescentiae ovano sub-U iplo longiore Capsula ahs brevior, suborbiculata, apice profunde cordata, late membranacco-marginata, siipite feie dimidiam longitudinem capsulae aequante Caruncula arillans parte media supra semen elevata, galeaeformis trilobate, lobis lateralibus obtusiusculis semine subquadruplo brevionbus — *P rotea* Boiss (nee Dsf) — Habitat in dumosis regioms montanae, ad limites regni Murcici, ad cacumon montis Sierra de Alcaras et alibi in Hispama

¹¹ Pag 80 no 6 b POLYGALA (*Timutua*) FASTIGIATA Null Gen II 89 — DC Piodr
¹ 328 no 84 — A Giay, Manual of the bot of the Noith Umtl Staates 88 — Caule gracih demum sursum ramosissimo, foliis linearibus, spicis brevibus, alis ovato-ob-
*ongis, basi in unguera distinctum attenuate, caruncula seminis minute pilosuli basin Pedicelliformem involvente a subaequante Spiculae laxiores floresque roseo - purpurei mmores quam *P sangutneae* L , ensta coiollae minuia — *P sangumea* Torr & Gr (exel syn nee L) — In America boreali (New Jersey)

Ordo XXn. FRANKENIACEAE *st mi*

JJ Pag 89 no. Ib FRANKEMA GLOMERULATA Cosson, Notes sur quelques plant da midi de l'Espagne II p 30. f — Peienms fiuticosa rrmosa. Folia caulina opposita, in axillis ramilltilos stenles abbreviatos dense foliosos gerentia et inde verticillum aemulantia, breviter petiolata ovata, margmibus valde levolutis ovato - lineana, supra gin bra , subtus pulverulento-glauescentia, floralia latiora, minus revoluta, basi cordata Flores sessiles, in apice ramonim et caulis in glomeiulos paucifloros aggregati, Laljx folia floralia paulo supeians, acute costatus, costis pilis patulis latis hyalims albidis lupidus, 5- rauus 4—6-fldus Peiala spaihulato-obovata scnsim in unguem angustdta sepalis nequalia Stylus apice infldus — Habitat in arenosis mautilimis agu Gaiditam pi ope Puerto Santa Mana et in insula Ganana magna

JI Pag 89 5054 F O U f t U I E R A Humb. B. Knth

(DC Prodi III, 349 — Kngelm Sktch of the bot of Wisliz ezed p 14 adn)

Calyx 5-sepalus imbricatus persjstens. Corolla hypogyna gamopelala, longe tubulosa, limbo brevi 5-partito patente, aeshvatione incomplete contoita, Stamina 10—15, hypogyna exserta, filamenta in feme arcuata villosa, basi inter se cohaerentia, antherae biloculares, longitudinaliter dehiscentes mucronatae, basi cordatae, imo dorso affixae, introsae. Ovanum liberum sessile, placentae 3 panetales, ad centrum productae neque connatae, ovanum inde incomplete tnloculare, ovula sub-18 ascendentia, in quaque placenta 6 bisenata; stylus filifoimi* > tnfldus. Capsula conacea tnvalvis, valvae medio placentiferae, **placentae** demum margine centrali connalae et a \alvis solutae, placentani singulam centalem triangular^m formantes Semina 3—6 complandta, alata seu comosa, albumen tenmssimum membranaceum, embryo magnus rectus, cotyledombus plams, ladicula bre\ion infera. (Chaiactei emendatus)

- 1 F FORMOSA H B Knlh — DC I c no 1 — Fiutico'a spims bre\issimis, fol^{ms} solitanis ohlongis subcarnosis, flonbus ^essilihus arete spicatis, stainibus 12, stylo apice tnparlito — Habitat in Mexico.
- 2 F SPLENDLNS Engelm 1 c adn — Fruticosa simplex spims longionbus, folns f^{ms} ciculatis obovato-spathulaisiis membri anaceis, flonbus brevitei pedicellatis in paniculani tbyrsoideam congestis, stammibus 15, stjlo ulti a medium tnpartito, seminibus »—⁶ comosis — Habitat in Nova Mexico
- 3 F bPINOSA H B Knlh Nov gen III 452 — Engelm I c — Arborea romosa sp^{ms} longionbus, foliis plerumque fosciculanti;. obovnto-oblongis membranaceis, flonbus P^{ms} dicellaus corymboso-paniculatis; stammibus decem, semimbus tnbus membranac^{ms} alatis — *Bionma spmosa* H. B. Knth — DC 1 c 350 no 1 — In Mexico.

Ordo XXIII. CARYOPHYLLEAE *Anzl.*

n Pag 91 5219. SPJERCHJ1.A *Linn.*

(DC Pjodr I 394 — WJprs Repert I 265.)

- I SP MORISONII fioreau, Flora (B. Z) XXXIII 452 — Folna lineau-aubulalis fasciculato-verticillatis granulosis subteretibus, infra glabris (esulcis) basi liberis stipulati*, caulibus densis 25—30-nis verticillatis, calicis corollaeque phyllis late ovatis obtuse rotundatis, seminibus plano-coriatis glabris nigris, ala radiato-striata ex lundo-albescente nigro-fusca, semine ipso angustiori, prope alam circumcirca aeneo-paleolato — *Sp pentandra* Koeh — *Arenaria media* Poll — In tegioibus Rhenanis
- H Pag 91 no 2. SAGINA DENS A Jordan, Observat III 49 f tab 3 fig B 1 —10 — Pseudocaulis capillares axillares unilocules, presque toujours dressés et très-lisses. Scapales peu écartés de la capsule A la maturité et aussi longs qu' Ale, elliptiques. - oblongs, obtus, non mucronés, fortement concaves, A bordure membraneuse assez large Petales nuls Etamines d filets un peu dilatés vers l'extrémité base, & longues de i anthères elliptiques et blanchâtres Styles clinis, tiants un peu recourbés. Ovaire ovale-oblong, vvement pedicelle Capsule oval-oblongue, longue de 2% mill, large de IV2 null Graines brunes, reniformes - ovales, finement striées, munies sur le dos d'un sillon élargi et superficiel Feuilles glabres linéaires-subulces, appliquées en dessus convexes en dessous, aiguës et un peu mucronées, mais non ansées Tiges non radicantes, naissant de la base en touffes étroitement denses, les plus ciliolées *trichnees ascendantes; louées tediées, assez feibles, très-glabres et très-basses, ou paisées de glandes sessiles a peine visibles u la loupe Racine grele annuelle. Plante de 4 a 8 cent — Hyères*
- 3 SAGINA DEDIIJS Jordan 1 c 50 f tab 3 fig C i—11 — Pseudocaulis capillares axillaires uniflorés, dressés ou un peu inclinés, flexueux, jamais roides, très-allongés, liasés Stipules un peu écartés de la capsule A la maturité, plus longs qu'elle ou de même longueur, ovales obtus, sans mucron, très-concaves, blancs membraneux sur les bords Petales nuls Etamines a filets non dilatés k la base, 1 loges des anthères oblongues-elliptiques et blanchâtres Styles élites, bale's. Ovaire très-visiblement pédicellé Capsule ovale oblongue, longue de 2/4 mill, large de 1% mill Graines d'un brun clair, icriiformes^très finement chagneyées, a sillon dorsal tort large et peu profond Feuilles glabres linéaires-subulces, appliquées en dessus, convexes en dessous, d'égales et un peu mucronées, mais non anstées Tiges non radicantes, dressées vers la e, peu nombreuses très-flexueuses, filiformes, faibles et tombantes, ne pouvant soutenir, rarement dressées, très-glabres et très-lisses dans toutes leurs parties Racine grele annuelle. Plante de 6 a 10 cent - Habitat localis arenosis maiuimis Pyrenaeorum orientium

t loon addenda.

*AGIISA MARITJafa Don - Jordan, Observat III 48 lab 3 fig A 1-11

II Pag 107 no lib 'SILENE (flujn/iaga) INAPERTA Linn - DrPiodi I 376 no * — Cosson, ^oles sur quelques pi du midi de l Espagne II 32 — *S. vthpensa* Knze — WJpix Annal. I 92. — *Silene scabra* Deriol Flor italic IV 614

N Pag 108 no 13 b *SILENE (Siphonomoipha) ALMOLAE* Gaj mss ex Cosson, Notes sur quelques pi du midi de l'Espagne II 31 — Cette espèce nouvelle a été trompée par *M Bourgeaik* sur le versant nord de la Sierra de Almola pros Ronda — Elle est voisine du *S limcola* Gmel (*S stneta* mult auctt) par 1 inflorescence et par plusieurs autres caractères, mais elle en diffère essentiellement par sa taille de moitié plus petite, par sa tige plus forte et plus roide, par ses calyces fructifères beaucoup plus gros à dix angles saillants dépourvus de veines transversales, à dents aiguës, et non tris-obiuses, par ses pétales étendus jusqu'au milieu, et non à peine échancrés, par son oïpophore glabre et non pubescent, par ses graines à côtes planes et non pas concaves etc — Habitat in Hispania meridionali

13 c *S GERMANA* Gay mss ex Cosson 1 c — Cette espèce nouvelle est voisine du *S Almolae*, elle croît dans une station plus élevée de la même montagne, ce qui m'a déterminé à la nommer *S germana* pour indiquer sa double affinité de caractère et d'habitude. Elle est plus grêle, plus faible, plus rameuse que le *S Almolae*, et couverte dans toutes ses parties de poils très-courts terminés par une glande, les calices sont moins gros, moins rétrécis au sommet et dépourvus d'angles saillants, 1 onglet des pétales présente à son sommet deux oreillettes qui manquent dans 1 autre espèce, les écailles de la couronne ne sont pas largement ovales mais très-obtuses, mais linéaires-hémicellulaires ou «pathulees, enfin ses ovules sont moins nombreux, 10—13 dans chaque loge — Habitat in Hispania meridionali

II Pag 11?

+ Icones addendae.

S ACAULIS I — Jardin Ob. et al. H. 1 flg D

S DRAHYPLTALA Rob. et Cast. — Jardin I c 1 1 flg A

S IXSAPA All. — Jardin 1 c tab 1 flg C

s NOCTIRNA I. — Jardin in I « tab 1 flg D

Ordo XXIV. LINEAE DC

II Pag 134 no 83b (*) *LIMNETHES* Engelm. Sketch of the bot. of W. L. G. expedit 17 adn — Caulibus c. rhizomate ligneo phloematis lamosissimis angulatis, foliis sparsis subulatis anastomatosis, superioribus bracteisque denticulatis, sepalis lanceolato-linearibus tunc vix anastomatosis, margo membranaceo glanduloso-denticulatis, petalis (flavis) calycem subduplo superantibus, stylis coalitis, capsula ovata acuta, sepalis persistentibus bis brevioribus — Habitat in Nova Mexico

Ordo XXVI. MALVACEAE Juss

H Pag 148

5280 *SERRAEA* Cai

(DC. Piodr. I 457 — Wlprs. Repert. I 307)

1 **S INCANA* Cav. — DC. 1 c — Wlprs. 1 c — Wghl. Icon. plant. IV tab 1592

H Pag 153 no 11 *MALVASTRUM RUDLERI* Hancc, Diagn. pi. nov. Austr. Chinens. ined. II 9 — Annum siibpedunculo caule erecto borbaceo subramoso strigoso - hispido

viridi; foliis peiolatis ovatis vel oblongo - ovatis acutis indivisis inaequaliter serratis subplicatis, nervis sublus prominulis, utrinque pilosulis, lamina petiolo triplo Jpngiore; "lipulis subulato - setaceis strigosis cilo marcescentibus deciduis; floribus axillaribus solitariis petiolo eos subaequante suffultis; peialis sramineis calycem vix dimidio superantibus obovatis obtusissimis obliquis inaequilaleris; calyce ultra medium 5-pariito, laciniis pilosulis ciliaris late triangulato - ovatis acum1natissimis}-«picalycis phyllis 3—4 lineari-setaceis pilosulis, calycis sinus vix supercmineniibus, bracteis 2—3 conformibus proxime suffultis; fnfclu modioliformi, carpellis 12—14 reniformi - iocurvis haud rugulosis, apice depresso nee non utroque dorsi laiere mucronatis, inferne glabris, supra dorsi mucrones complanatis densissime tomenosis monospermis; semjnibus laevibus reniformibus. — Folia 2—2Va poll, longa (incl. petiol. 6—8 lin.). Planta Chinensis cum Javanica ideniica, testibus speciminibus ab auctore in ulraque patria leclis. Forsan haud satis ab *M. carpinifolio* A. Gray distinctum. — In insula Hongkong et in Java prope Bataviam.

- " Pag. 158. no. 13. ABUTILON BIDENTATUM A. Richard, Tent. fl. Abyss. I. 68. - Caule ramoso3—4-pedali lomentoso villosoque, foliis peiolatis, ovali-cordatis, acumlnaiis, margine serratis, praeserlim sublus et in nervis villosis; floribus longe pedunculatis axillaribus et sic racemum compositum foliosum lerminalem efformantibus; pedunculo versus partem superiorem aniculaio et hie geniculato decidoque, villosoque; capsula villosa mullicarpellala, iruncuta eL in centro concava, carpellis compressis apice truncatis, bidenlatis, demibus divaricaiaa, a Hero versus centrum, altero dorsali versus peripheriam spectante, 3-spermis; seminiburpunctatis. — Crescit in ripis fluvii Mareb et prope Aguar, in provincia Modal in Abyssinia.
14. ABUTILON LONGICUSPE Hochst. mss ex 4frichard I. c. 69. — Fruicosum: caule rainoso 3—5-pedali tereti tomentoso; foliis peiolatis-sJWbicuIari -ovalibus, basi cordatis, apice longe acuminatis, margine serratis, utrinque pulverulento-lomenosis, sublus pallidioribus, 7 —¹J -ncrviiis; alipulis angusle lanceolnlis, acutia, membranaceis, caducis; floribus sat uiagnis purpuvascQirtibus, ruceuium lerminalem rainosum foliosum paniculalum effonnanlibus; petalis palenti-reUexis obovali-oblongis, obtusis; lubo siamineo longo, hirto; capsula globosa, tomeniosa, centro depressa; coccis circiler 20-compressis, semiorbicularibus, obtusissimis, saopius monosperuiis; scmine globro. — *Sida longicuspis* Hochst. mss. — Crescit in pluribus Abyssinae parlibus, in provincia Tchelicot el in monde Selleuda.
- ¹5. ABUTILON MICROPHYLLUM A. Richard I. c. 70. t. 15. — Albido-cinerasceus: caule gracili lignoso ramoso tereli; foliis minimis unguicularibus, breviiier petiolalis, cordatis acutis obsolete (Jentatis, ulrinque tomenoso-albidis; floribus parvulis in axilla foliorum siipremorum solitariis, breviiier pedunculatis; calycis campanulas 5-fldi lobis semi-ovalibus acuminatis; capsula calyce duplo longiori, apice abrupte truncata, tomentdsu carpellis 10 arete conlitis, superne dorsoque hianlibus, 2—3-spermis; seminibuspubeu-tibus. — Habitat in regione littorea (Chobo) Maris Rubri.



obcordatis sessilibus. Stamina decem, hbera, alterna sterilia, rehqua ferhlia Filamenta subulato-lineana, fertiha breviora antheram cord ato-ovatain obtusam erectam bilocularem gerentia, sterilia ananthera longiora 0 van urn globosum villosum quinqueloculaje, loculis biovulatis. Stylus simplex crassus erectus. Stigmata quinqi hneana ciassiuscula, stellatim patentia. Fructus globosus, in carpelia[^]quinque triquetra usque ad basin bipartilo-debiscentia mono—disperma, demum decidua (Jivisus Semma semiglobosa, rhapbe tenuissima dunidiam longitudinem metiente. — Fruticulus Cordofamcus ramosissimus, tomento albo molli veslitus Kami ramuhque sparsi teretes. SUPulae setaceae, facie m-terna glabrae, demum deciduae. Folia conacea peliolata ovalia, utnn-que obtusa, denlata Peduntuh axillaies, petiolo breMores, biflori, pedicelhi, ebracleatis. Flores tres lineas longi. Involucn laciniae supra disco glabrae. Calyx supra glaber Corolla rubra glabra

- ¹ TARDIOSTEGIA KOTSCHYI Prsl J cit f - *Melhama Kotschy* Hochsl — Habitat ad ausiralena partem monlis Kohn tn flmbus Coidofamae versus Tekele

Ordo XXIX. TILUCEAE *Endi.*

U Pag 109

5365. IifJHEA *Willd*

(DC Prodi I 517 — Wlpis Repeit I 352 II 798 V 116)

- ¹ *h* SCABRIFOMA Prsl Epimeliae p 212 f — Foliis breviler peuolatis ovalibus acuminatis argute rpmoteque denticulatis angulatis trineivus, supra pubesceniibus, subtus lomentosis albidis, pedunculo ternunali umfloro, involucio duodecimfldo latcralnei rumpente, lacinnis lineonbus — Habitat in Mexico

Ordo XXII. TERNSTFOEMUCEAE »c.

- ¹¹ Png 177 no 2 LAPLACEA QUINODERMA Weddell Hist nat de Quinquinas 33 adnot — FOIHS obovato-lanceolatis, apice In euspidem obtusum vel rarius mucronaium acuminatis, bnsi atenuatis, ncutissrtne serratis, sup[^]rne g4abrati«, costa sencea, subtus margine et petiolu senceo-pilosis, plicis duabus superfliciahbus <<ulciforniibus rostae para^{ra}Hehs persacpe noiatis, sepalis 5—7 inaequalibus late obovatis, exlu9 senceis, •nterionbus margine glabratis vel petfflonleis petalis ?, capsuh plerumque 6-locu^{la} 'i, superne glnbiatn, inferne cum pedunculo pilosa, sepalis 4>erti>tentibus inro medium \estita — Habitat in Peruvia a Dolivia

Ordo XXXIII. AURANTIACEAE *Correa*

II Pag 183 5499. A T A I J V N T T A *Coirea*

(DC Prodi I 535 — Wlprs Reperit I 379)

I A FLORIBUNDA Wght Icon phnt Ind or IV tab 1611 — Fiuticosa v subaiboiea iam9is<ima spinosa spims rectis cnciter semipolhcaribus axillanbus, foliis otalibus enmrgimtis v subovatis racemis itilhubus bretibus mulufions, flonbus longe per dicelhtis, ovno stipitalo quadnlocuhn loculis uniovolatis, aurantio Mjnsune imgnitudinp — In Indn onentali (Oitacamund ad Coimbatore)

II Pag 184 5514 CITRUS *Linn.*

(DC Piodr I 539 - Wlpis Reperit I 582 II 804 V 140)

1 T JAPONIFA Ihnbg — Wlpis Reperit I 38,4. - Lindl Journ of the hortir soe IIf 240 (c ic)

Ordo XXXIX. MALPIGHIACEAE *Juss*

II Vn% m no ^ GALFIIIMIA GI AUCA Lav — Wlpis Ilrperit V 184 no 3 — Lindl Join n of ilic loitir sor V 140 (c ic xylogr)

Ordo XLII. SAPINDACEAE *Juss*

II Pag 220 no 7 'NEPHELIUM LAPPACCUM L — Wlprs Reperit V 365 no 3 - Vanetates confeias apud HsskiJ Plant Javan ranor 287 sq

II Pig 225 5639/t HIHr «8BOROIJ«HIA *Liebm.*

(*Liehm* Vidtnshibtlige Mcddclclsei fia den naturhist Foremngi KjObcnhavn 1850 p 67)

Calyx deciduus tetraphyllus, sepalis per pana fere sibi oppositis, exlenonbus paulo mmonbus, aestivatione imbncatis Corollae petala 5, 3 exteiiora inaequaha orbiculana subemarginata, 2 intenora minora bifida a cut a Stamina 5 pelalis opposita et cum us ima basi subcoalita, tria stenha ante petala majora, duo feililia ante petala minora filamenta staminum stenlium cuculhformia, ferhlium plana, anlherae biloculares internaes, locuhs opposilis nma longiludinali dehiscenlibus,

connective* cupuliformi dor so convexo filamento adnjato. Discus hypogynus 5-dentatus, denlibus apice incrassatis, (per paria conjunctis staminibus oppositis, quinto solitario in latefe disci. Ovarium biloculare sessile, ovula in loculis gemina. Stylus simplex brevis in stigma inconspicuum acutum indivisum transiens." t)rupa abortu unilocularis monosperma excentrica oblique globosa, -^ Arbor Mexicana: foliis imparipinnatis.

- l. *K. ALBA Liebm. I. c. — *Millingtonia alba* Schlecht. Linnæa XVI. 395. — Wlprs. Heporl. II. 816. no. 1. (sub *Meliosmale*). — Habitat in Mexico.

5039/2. liOREIVZAIVEA Liebm.

(Liebm. Videnskabelige Meddelelaer fra den naturhist. Forening i Kjdbenhavn. 1850. p. 69.)

Calyx persistens nudus vel bracteis 3 minutis adpressis circumdatus pentaphyllus, sepalo uno exliore minori, quatuor interioribus subaequalibus patulis demum reflexis, aestivatione imbricatis. Corollae pelala 5 receptaculi margin! inserta decidua, tria exteriora orbicularia cucullato-involuta imbricata, duo interiora minora bifida acuta. Stamina 5 petalis opposita cl cum iis ima basi subcoalita, tria sterilia ante petala majora cuculliformia, duo fertilia ante minora, filamenta pi an a, antherae biloculares, loculis collateralibus inlrorsis globosis, connectivo terminal! cupuliformi carnoso insidenlibus transversim dehiscentibus, pollen oblongum flavidum poro longitudinali notalum. Discus hypogynus 5—8-dentatus, dentibus acutis inaequalibiis ovario adpressis. Ovarium sessile biloculare. Ovula in loculis gemina prope basin lateraliter affixa. Stylus simplex brevis sensim in stigma acutum indivisum transiens. Drupa abortu unilocularis monosperma excentrica oblique globosa vel pynformis, hasi abortu loculi allerius fubercuJata. Semen subrotundum, pi'otuberantia interna indurafa pyrenae circumpositum et iutrusum, Jimbryonis exalbuminosi conduplicati cotyledones oblongae, radícula io-^{era} T~ Arborea Mexicanae et Centro-Americanae: gemmis oudis; foliis alternis exstipulatis simplicibus penninerviis integerrimis vel dentatis; Paniculis versus ramorum apices axillaribus; floribus minutis albis sessilibus vel pedicellatis.

* *Fructus globosis.*

- l. I'. DKNTATA Liebm. I. c. p. 70. — Foliis petio/alis corinceis obovaio-lanceolatis vel iunceolatis acuminatis irregulariter denariis, denlibus apiculntis, supra glabris, subtus <id nervos ferrugineos rufo-pilosis; drupis subglobosis basi tuberculo carnoso jnstruclis. — Arbor mediocris patulo - ramosa habitu Quercus; ramulis teretibus fuscis mfo-pubescentibus; gemmis nudis rufo-pilosis; foliis allernis peiolatis obovato-lanceolatis vel lanceolatis acuminatis coriaceis, margine undulatis, irregulariier et re-^{lote} dentatis, denlibus apiculatis, basi cuneatis sensim in peiolum altenuatis, r.osli-^{ervus}, nervis utrinsecus 9—10 subius prominentibus ferrugineis, ante marginem ^{ai}cuato-aaastomosanlibus, reticulalo-venulosis, supra obscure viridibus nitidis ad costam nervosque cinereo-lepidotis, subius pallidis, ad costam nervosque rufo-pilosis, 5/4—6 Poll, longis, 2 poll, latis, peiolis teretibus semipollicem longis lepidoto-pilosis; pau-^{culis} 2—3-pollicaribus rufo-pilosis; bracteis ad basin ramorum ramulorumque paniculae semiorbiculatis ciliais deciduis, pedicellis 1''' longis crassis rugulo«is glabrescentibus; Nonbus minutis; calycibus ciliatis coriaceis; drupa magnitudine Cerasi avium 5''' longa,

4' laia mgia subglobosa obliqua, basi tuberculo carnosio (e loculo a&ortivo orto; instructa, mesocarpio exsucco, pyrona obo\nto-globosa crassa dunssima, basin versus obsolete quadncostata.

(*J. minor* omnibus partibus minus pilosis, folus ininonbus nngustionbus, 3—5" longis, 1—1'A" latis, subintegns, marginc parum rellexis — Habitat in Mexico.

* *Fiuchbui pyufoimibus*

- 2 *L. IRA* Liebm I c. p. 71 no 2 — Folus pculntis membranaceis obovato - elongaiis abiupte acuminatis, basi sensun in peiolum attenuate, margine a medio ad apitem remote denticulate, ulnnque glnbus niidis, drupis oblique pynformibus, basi tuberculo mag no carnosio notatis — Aibor elota tamis teretibus veirucosis fuscis, ramulis ingonis glabns, loins allcims poiiolatis roembianaceis obovato-elongatis abrupte acuminatis, ba^i cuneaiis, maigine a medio ad apicem remote denticulatis, utnnque glabns niidis, nevis utnnsecus 10—11 nml marginem nrcuaio-anastomosantibus roliculalo-venulosis, supia saturate vuulibus, subius fuscescontibus 5—7% longis, 2—3% latis, pctiolis subpollicitibus subangulniis glabrescentibus, girnmis nudis minutis rufopubeiulis, pamculis axillnibus, fiucliftus 8—9 longis leieibus arboreis persistentibus, tamulis dcciduis, fruclu uno alteiove maturescenle, diupa oblique pyriformi magnitudme f< t e A\ellanac Limbcilnne 9 longn, 7" lota rugosa, basi tuberculo magno cainoso instiurli, stjlo minuio in fo\ca supia tubiculum pcisislcnic — Habitat in flosta necc
- 3 *L. GLABRATA* Liebm 1 c p 71 no 3 — Folus petiolatis coiiaceis obovato-lanceolalis aculii>, basi sensun in petiolum atlenuaiis, maigine obsolete repandis, utnnque glabns, petiolis glabiib supia canaliculate, pamculis axillanbus divancato-ramosis — Aibor lamrs leretibus verrucosin fuscis, ramulis angulatii. glabns, folus approximatis alternis petiolatis obovato - lanceolatis atutis, basi sensim in peiolum attenuatis, margine obsolete repandis glabns couaccis_p nervis utnnsecus 12—15 ante marginem arcuato-anastomosantibus reticulato-venulosis, 5—6¹/_i' longis, 2' latis, petiolis glabns, supra canaliculais 12—6' longis, pamculis Interailibus in axiilis foliorum delapsorum 4—6' Jongis palulis divnncato-iamosis, 1—2" longis rufo-lepidods, flonbus conglomeratis sessilibus biacteatis, sepalis orbiculanbus ciliolalis — Habitat in Mexico
4. *L. VERNICOSA* Liebm 1 c p 72 no 4 — Folus petiolatis crnssis coiiaceis coirugatis obovKto-cllipticis obtusiusculii* subobliquis, morgino undulatis lollexis, basi cuneatis, supia niidis glabns, subius resinoso-papillosis, ad costam neivosque adpresse pilosulis, scnsiin glabiescentibus, petiole lufo-pilosis subcretibus, supra obsolete canaliculatis, diupa oblique pynfonnilotundnto-nmginata, bnsi altenuata, tuberculo parum piominente mbti ucta — Aibor raini^tceiibus verrucolouib fuscis, lamulis tngonisrufo-lepidoto-pubescentibus, folus altemis pctiolalis crassisconaceis coirugatis ellipticis vel obovato-cllipticis, obtusiusculis subobliquis, basi cuneatis, maigihe undulatis subreflexis, nervis utrinsetus 9—11 subius yalde prominentibus, ante marginejn arcuaio-anastomo»aaitibus venulis iiansversis anastomosantibus reticulatis, supra niidis glabns, saturnte viiibus (fol junioi ndspere et adpresse lufo-pilosulis, ad costam nervosque densius pilosis), subius fuscescentibus rosinoso-papillosis ad costam nervosque adpiesse pildsulis, sensiffi glabiescentibus (junior impnmis ad nervos rufo-pilosis), 5—6' longis, 2^x_l-2^U" latis, petiolis 3—10" longis crassiusculis tcretibus, supra obsolete canaliculatis rufo-pilosis, sensim glabrescentibus, gemmis nudis ovntis info - pilosis, pnmculis lateialibus •" dxillis foliorum delap^orum, flonlens 5—6' longis supiadecornpo<mis lamosis, ram^{is} divancatis, rhachi universalnbatcheolisque subaogulatis rufo-puberulis, demum glabiescentibus, Honbus conglomeratis sessilibus tnbracteolaiis, sepalis *uborbiculatis ciliolads, pamculis frucufens 7—12" longis paucii'amosis, ramis (lexuosis vel uncatis fiuctu uno alieiove insiructis, drupa sessili oblique pynformi magmtndinepfrenael'eisicae commums 11' longa, 9' lata paice compressa lotundato-marginala rugosa, basm versus atieuuatn, luberculo parum promioente instructa — Habitat in Costarica.

- 5 L GRANDIFOLIA Liebm 1 cit pa* 73 no 5 — Feins ptio|uii« conaceis obovato-lanceolatis integernmis, margine undulatis, supra glabretceoiibus, at oostam nervosque lepidotis subtus rufo - villosis, drupa* oblique pynformi pnrum compressa roiundato maiginata subangulata basi luberculo subevamdo lostruoia^— Arbor data ramulis compressiusculis lepidoto-villosis, folds alterms petiolati? eonaceis 9 — 12 longis 4 latis, obovaio-lanceolans i ntegnis, margine undulatw, ba*crasso rugoso — Habitat in Mexico*

Ordo XUV. MELIACEAE *Juts*

|| Pag 227

f loon addenda.

- (t) TURRABA VILLOSA Bennet - Wlpis Repeit I 427 no 5 — Wght Icon plant IV tab 1593

Ordo XLVn. GERANUCEAE DC.

v

- ¹¹ Pag 234 no 9 'ERODIUM CHAEROPHYLLUM Cosson, Notes sur queMfues pi du niidi de l Espagne II 32 — *Geranium Chaerophyllum* Cav Diss II tab 95 — *Erodtum Salzmann* Delile — Wlprs Report 1 446 no 10 — *Grodwm viscosum* Slzm mss
- ¹¹ Pag 236 no 11 (Diagn emend) — GERANIUM PENTAGYNUM Engelm bkth of the Wisliz exp p 6 adn — Perenne caule erecto ramoso cum pctiolis retroi sum • piloso foltis stngoso-pubescentibus, Infenonbus 7-, supenoubus 3—5-partitis, segmenis in ciso-lobatis, pedicellis bims glanduloso-pubescentibus, sepalis glandulosis longe an siatie, petalis basi villo bievi instructs, ad venas pilosiusculis, obo^atis intcgnis, Oka mentis ciliatis, ovano glanduloso, stjlis ima parto solum connatis, capsula glanduloso Pubescenie — *A G pentagyno* Fremond diffeire non videtur cf Engelm I c 31 adn — Habitat in Mexico boicali
- ¹¹⁰ 12. GERANIUM CATARACTARUM Cosson, Notes sur quelques plant du mndi de l Espagne III pag 99 — Planta perennis? caudice descendente superne vestiguis petiolorum emarndoi um squamaeformibus mumto Caulis 2—4 decim longus ei ectus villosus, pilis patenlibus articulatis glandulifens, bis vel tei dicbolome lamosus ramis divergentibus, ad dicboiomias tantum foliosus Folia longe pctlol in, petiole v^Uosis, palmatisecta, segmentis 5—7 amplis ovalo-cuneatis, infei ne mtegnis superne Pmnatilobis, lobis crenato - dentatis, den lib us raucronulatis, segmenlo medio saepius

tnfldo, stipulae membianaccae ovaio-lanceolntae Pedunculi billon, folns subbreuio-
ies post anthesin deflexi, pedicelli subnequialc*, deflorati Milultdmai, ac cnljcespi
loso - glan Uilosi Sepah post anihesm conniventn innei via oblonga obtuso, abrupte
mucrone birviusctilo anslata Peinla rosea, caljte tubduplo longioia, integia Idle
obovata iluuple in imguem bieuiusculnm glnbium contract.! Rostrum stylicherum
breve Carpella dorso reiiculflo lugosa glabra bemini oblongd laeuo — Habitat in
tupibus madidis catractorum los Choios dictaium in monte Sierra de Segura legm
Murcici (in Hispnnia)

ii Pag 23?

6050A. H Y P E R C M *ft si*

(Prsl Epimeliae p 211)

Involucrum letia — hexaphyllum. Calyv usque ad medium qumque-
fidus, lacinns trineivns, tubo multineivio Petala qumque hypogyna
unguiculata decidua. Stamina decem hypogyna, filamentis libens
Ovanum subglobosum hirsutissimum qumquelocularare multiovalalum,
ovulis angulo centrah insertis. Stylus terminalis simplex clavatus ob-
conicus incuivus. Sligma tiuncato-capitatum Capsula lguota — Fru-
tjtulus ramosissimus ad nodos globoso-inciasatus pubescens folus
oppositis obo\ato-cuneatis tufidis albido-pubescentibus, flonbus teimi-
ndlibus teino-umbellatis, folus 4 — 6-nis hneanbus bifidis involuciatis.

1 ' H TRIFIDUM Prsl I c f - Habitat in (ordillens CbilenMbus

'Ordo XLVIII. TROPAEOLEAE *J_{USS}*

I Fig 2&

t loones addend»e.

TROPALOLUM TRICOLOR Lindl - (Wlpis Repeil I 466 no 10 V 382) - >an Hoube,
Flore des sents IV lab 368 369 — *Ti coccmcum* Miers⁷ — *Tr submcrassatv*¹¹¹¹
steudel⁹

TROPAEOLUM bMITHII Df Prodi I 684 - Wlpis Annal II 238 - I indl Journ^{of}
the horlic soc \ 84 (c ic xylogr)

Ordo XLIX. LIMNANTHAE A. fir

H Pag 239

6065. FLORCKEA Willd.

(Wlprs Report I 467)

† FL, PROSERPINACOIDES Willd.— Wlprs 1 c no 1 — Ton Floi of New York i
127 f tab 17

Ordo L. BALSAMINEAE A. Rich.

H Pag 239 no 2 IMPATIENS TINCTORIA A. Rich - Ferret & Galime[^] Voyage en
Abyss III 99 — / *flagelhfera* Hochst msa

H Pag 240 no 5 IMPATIENS JERDONIAE Wght Icon pi IV tab 1602. — Diffuse pro-
cumbens, exccpus ramis florifens erectis, globra folils ovatis acutis selaceo-serratis,
. pedunculis axillanbus erectis 2- vel ranus tnflois, pedicellis pedunculo folilsque lon-
gionbus, sepalis lateralibus lanceolatis, ontenore vel calcnre unico saccato ventricoso
apice in acumen calcariforme contracto, calcare propno nullo, petalis profunde bilo-
* bis, lobo anteuon raajon, petalo posteriori galeaio mucronato — In India orient!
(Neilghemes)

no 6 IMPATIENS GOUGHII Wght I cit lab 1603 - brecta ramosa glabia
folns o\atis serratis breviter petiolatis, versus apicem lamorum approximatis, pedun-
culis axillanbus filiformibus umbellato-4—6-flons qmm folia longionbus viscidis, flo-
ribus parvis, sepalis latei alibus minute subulatis, supenoi late obcordalo mucronato,
infeuoii qinn petala multo brevjon acuto, calcare hrevi conico mstructo, petalorum
lobis antenonbus quam postenores multo longionbus, capsula glabiajkgosperma —
Habitat in India onentali (Neilghemes).

Ordo LI. OXALIDEAE DC

¹¹ Pag 240 no la OXALIS CORNICULATA L - DC Prodr I 692 no. 20 — Wlprs
^Repert I 486 no 117 V 384 — Hance, Diagn pi nov Austr Chin II 1 — Planta
^rhinensis stolombus subterraneis carnis perenmbus propagalur, quod monente beat
Kochio nunquam in Euiopaea occurnt Forma (*0 carniculata* P lunda Hance) eiam
^lPeniur canlibus foliisque olivaceo-hepalicis, Honbus vittellinis, imis petalis macula
^rubra notaiis, coiollam fundo annulatam mentientibus — Habitat in insula Hongkong
¹¹ Pag 241 no, 1 AVERRHOA SIMCA Hance deleatur et ad *Rowearn mterophyllam*
^Panchon (Annal II 299 no 27) referatur

Ordo LU. ZYGOPHYLLAE *R Br*

II Pag 245 no 2 ZYGOPHYLLUM LEHMANNIANUM Bnge - Wlprs Annal I 150
no 1 — Bnge Icon plant nov Lehmann tab 10 fig 2

II Pag 245 6036/2. *MILTIAHTHUS* Bnge

(Wlprs Annal I 150)

I *M PORTULACOIDES Bnge — Wlprs I c 151 no 1 — Bnge Icon pi nov Lehmann
tab 9

II Pag 245. 6038 *II ARRIS A Cav*

(DC Prodr I 705 ~ Wlprs Report V 386)

I L GLUTINOSA Engelm Sketch of the bot of Wislitz exped 9 adn — Divanato-ia-
mosissima, ad nodos glutinosa folns breviter petiolatis, bifoliolatis, foliolis oblique
ovatis raucronatis, nervosis conaceis, adpresse prtois glmiRoais, flonbus inter folia
opposita solitariis, fructu 5-cocco villosa — *L Mexioana* Moric non diflerre vid<ffr
(Engelm I c 31) — Habitat in IS ova Mexico

II Pag 245 6041 *CtUAJACUM Plum*

(DC Prodr I 706 — Wlprs Reperit I 498)

I G ANGUSWFOMUM Engelm Sktch of the bot of Wislitz exped 29 adn — Fol**
sub-5 (4—8) jugis glaberrimis, foliolis oblongo-linearibus reticulatis, pedicellis et basl
calycis pubescentibus, ovano bilobo pubescente, capsula bivalvi semibus 2 **ovans**
— Habitat in Mexico (Monterey, Panama? etc)

Ordo LIV. RUTACEAE *Barti*

H Pag 254 no 17 b (?) HAPLOPHYLLUM VERSICOLOR Fisch a Mey Bullet **Phyt**
Math Ptrsbrg Akad HI no 20 ex Arbin des naturf Veiemes in Riga I HB 2 P
207 f — Bnge Icon plant nov Lehmann tab 11 fig 3 — Glaberrimum tubercular¹¹¹
cauhbus herbaceis, demum lamosi^, folns obo\aiis, ovatis ovdo-oblongisve petiolo⁰⁰,
cyma multiflora congesta vel eJTusi, sepals ovtn acuti*culis petalisque breviter *
rupte unguiculatM oblongis glabenimis nigio - punctatis, filamentis basi valde ^{dif11}
monadelphis, infra medium abrupte attenuatis bidentatis intus \IIOSH extus **biglan-u**
losis ovain qiiinquelocularis glabri tuberculati angulis oblyse appendicularis

Ordo LXII. RHAMNEAE R. Br.

If Pag 267. no 4 IUIAMNUS INFUSIONUM Fen el tt Galimei , Voyage en Abyssinie Tom. Iff p 111 no 33. — Ramis teretibus, folns nliis supremis lanccolaus, alus in-feuonbu9 obovatis minonbus, omnibus crenulnto-seiians nirovirentibus, peihcellis Irucium petiolos vix excedentihus — Folia majoia 30 millim longa theaeformia — *nhamnu** Staddo Richard — (Wlpis Ann II 267 no 4 nee *Rh Sladdo*) — Habitat in Abyssinia

II Pag 21C

5753. SAJtI%RA Linn.

(Linn Mantiss II 144)

- 1 S RACEMOSA Hsskil Plant Javanic rar 238 f — Standens folia ellipticis obtusis acutiusculis, racemis hteralihus, flonbus letiandris luteis majonbus — In Java occidentali
- 2 S SCANDENS Hsskrl I c 239 + — Scandens folns ovalibus, apicc loiundaiis, paucis (ulis terminalihus, flonbus 4—5-andns alhis minoiibu*) — *Aidism scandens* RIUITP, Dijdr 686 — Java

Ordo LXIII. HAAHELIDAGEAE Gardn.

II. Pag 273 no 1 RIIODOLCIA FORMOSA Champion mss ex Fiance, Diagn plant not Austr Chin inedit II 6. — *lihodoleia Championi* Hook — (Wlprs 1 c) — Calyx lubo cum ovanoium basi subconnato, limbi somisupen lacinus 9— 12obovatis albo-colointis, supra medium adpresse fulvo-senceis inaequalibus imbncatis oblusi^mis Toius la* minae lenuis, coccis adhaerens Pelala 16—20 imbricata, sepalis ahcina unguiculaifli lamina elliptica obtusa, ungue parum longior Stamina indeflmta (40 vel plura), omnia fertilia, in 5 series circa coccus disposila, filamenta hbcra >ubulata, inferne alba, sv perne roseo - coccmem, antherae introisae basillxae biloculares obtusae, rima longitudinali dehiscentes Ovana 5 semi^upera biloculana, ovula plunma Stjli 2 cuiqu^e cocco, siibulali, slaminibus acqmlongi, apice subliblissimf^l bidentuii. Stigmata incoOspicua Gapsula ligno^a, e coccis 5 basi tantum connatis conflata, cocci nee stjli⁹ coionau nee reliquis cnlycis lacinitrum cincli, biloculares, seplitide bivalves, vnlvi⁹ ilor>> lindcm flssis Seinina in loculis plunma porulula compiessa, tcsia tmsliicea -^ Arbor par^n Chinensis folin nlicmis peliolahs exstipulaiis oblongis vel ovoiiis integer' rimis obtusis glaberrimis, supra nitidis, subtus glaucis opacis, deciduis, flonbus^{oi} axilhs fohoium ad apices ramoium dispositis solitarns nutantibus sesquipollicibus i cal)tis lacinus Npecie gemmae peulatnu dense lulvo-tomcntosis, corollis pulcheirim<^s loseo-coccmris Folia 5'A poll longa (incl peiolo l'A-poll) 2—2'/4 poll lata Gen**⁹ valde singulaic florum coloie inogriiuidine et formositate, petaloium numero nee n^{on} fructu peniacocco insigne et ab omnibus fomiJiae *Hamamehdacearum* geneiibus opt¹¹⁶ distinctum, propius accedeie videtur illi familiae, sed lam diffei I m foi te norm^o 0 velut typum novi ordims spectandum.

Ordo LXV. ANACARDIEAE *Lmdi*

II Pag 280 no 1b ODINA SCHFMPEBI Hochst mss ex A Rich Tent Dor Abyss I 140 — Dioica, foliis imparipinnatis, florum masculinorum iacem & simplicibus longioribus 4—6 unciis longis in apice lamulorum aggregatis, e glomerulis florum brevissime pedicellatis consianlibus, axi communi pedicellisque laniis, calyce exteius piloso, petalis 4 in plerisque longioribus oblongis sessilibus, oblongis concavis, & filamentis glabris, lorum locmincorum facem simplicibus brevioribus terminantibus lanatis & biginosis, calycis lanatis lobis stellatis acutis, diapa sicca (immatura) inegula tunc ovulea, compressa, apice oblique et irregulariter subquadricornis, pulvereulenta, 1—4-loculata, loculis monospermis — Gieseler prope Adderbat in Abyssiniae provincia Chue

I c * ODINA TRIPHYLLA Hochst mss ex A Richaid I c 140 — *Lanneoma velutina* Delile — Wlps Repeil V 413 no 1

I d ODINA PRUTICOSA Hochst mss ex A Rich I c 141 — Dioica, foliifera simul et Honfeia folis in apice ramulorum pulverulentiorum aggregatis alternis, exstipulatis in pinnatis, 4—6-jugis, foliis suboppositis sessilibus ovatis-oblongis aut suboblongis, basi subinaequilata, 1/2 ad 2/3 unciis longis, 4—8 lineas inns acutis, margine incanis, superne glabris, subius in nervis pubentibus, racemis axillaribus, aggregatis, 2—3 unciis longis, calycis subvillosi lobis acutis ciliatis, drupis ovoideo-oblongis glabris — In Abyssinia ad Taccaze

II Pag 80 no 2 PISTACIA LLMISCUS Linn - DC Prodr II 65 no 7 — Cossou, in Noii* bin quelques pi du midi de l'Espagne II 54 — var P Foliola 4—8-lata oblongo-ovoïta vel oblonga, apice subobtusata satpt itulsa et emarginata — In raatim l'oisicac in&ulae

II Pag 83 no 1 ANAPHRLMUM ABYSSINICUM Hochst - Fen el 8t Oalmicr, Voyage en Abjssin HL. 113 f tab 9

Ordo LXIX. BURSERACEAE *Knth*

" i>.g 2\$}

5938 **GARUGA** *Rxb.*

(DC Prodr II 80 — Wlps Reperl 559)

I '↔ PINNATA *Rxb* — Wlps 1 c no 3. — DC I c 81 no 1 — Wght Icon pi IV tab 1594 1595

Ordo LXIX*. JDGLANDEAE *nc.*

- II Pag 293 no 3 CARYA TETRAPTERA Liebm, Videnskabelige Meddelelser fra den naturhist Forening i Kjøbenhavn for 1850 pag 80 — Folia impannata, foliis 11—7 alernis petiolulatis, sursum versus crescentibus, lateralibus obliquis reflexe falcatis acuminatis basi cunealis duplicato-serialis. Jteiminali majon longius petiolulato aequaliter elliptico, supra et infra glabris punctatis, subius fuscis, ad nervos parce puberulis, spicis foemineis sparsifloris (6—5-floris), fructibus sessilibus ovalibus lepratis — Arbor elata umbrosissima ramis teretibus fuscis lenticellosis glabris, ramulis puberulis, gemmae axillares ovatae angulatae acutae olivaceo-lepidotae Folia 8—12 longa, pinna terminalis 4—5 longa, $1\frac{1}{2}$ — $2\frac{1}{2}$, lata, laterales 2—4 longae, $1\frac{1}{2}$ — $2\frac{1}{2}$ laevae, petioluli 1—2, pinnae leiminalis subpollicans, rachis petiolulique puberula sensim glabrescentia Amenta masculina gracilia pedunculata 2—4 fasciculata bipollicana, bractea late ovata flava suffulta, antherae ovatae biloculares, Joculis oppositis nuda longitudinali deliiscentibus pubescentibus, spica foeminea bipollicans, rachis flexuosa angulata glabra, fructus $1\frac{1}{2}$ longus, alis quatuor acutis undulatis laterumque convexiusculorum costis media deorsum deorsum notatus, mesocarpio exsucco coriaceo tenui, putamine laevi ovali, stigmate 4 cassis papillosa lenticella — Habitat in valle Oajacensis ad vicum Quilapa et alibi in Mexico
- 11 Pag 294 no 2 JUGLANS PYRHORMIS Liebm 1 c 79 — Folia impannata 9—15-jugis pinnis alernis vel suboppositis sessilibus elongato-ovatis acuminatis subobliquis Jevitici reflexe falcatis, basi rotundatis vel parum cordatis, margine serrulatis, supra glabris, Mibulis fuscis ad nervos pubescentibus, fructu sessili globoso-pyiformi punctato-venuculoso, pyrena subglobosa basi depressa longitudinaliter acute et profunde sulcata crassissima durissima — Arbor excelsa frondosa folia $1\frac{1}{2}$ —2-pedali & rachis fuscis villosa, pinnae 4—5 longa pollicem fere latis, gemmis supraaxillaribus ovatis angulatis fusco-villosis, drupa 2 longa, $1\frac{3}{4}$ lata olivaceo-vindis gineo-verruculosa, mesocarpio exsucco coriaceo putamine crasso duro, intus lacunoso semibilobo, dissepimento incompleto crasso — Habitat in Mexico (ad Comatepec).

Ordo LXX. CONNARACEAE *R. Br.*

- II Pag 298 no. 27 'ROUREA MICROPHYLLA Planchon. — Addatur synonymum *Averrhoa Smxca* Hance — Wlprs Annal II Zii. no 1 (cum diagnosi)
- II Pag 301 no 20b CONNARUS OBLIQUUS Prsl mss — {*Omphalobium obliquum* Prsl Epimeliae p 207 f} — Folia pinnatis multijugis, pinnae alernis suboppositisque petiolulatis abrupte acuminatis obliquis, inferius ovatis, superius ovato-lanceolatis basi superius latiore ovatis, inferius angustiore aculiusculis, paniculis axillaribus fasciculatis, calycis lacinae ovatis ciliatis aculiusculis, demum obtusis, capsula sessilibus ovalibus sulcatis glabris — Habitat in insula Luzon

Ordo LXXI. LEGDMINOSAB *juss.*

- II Pag 307 no 1 THCRMOPSIS CAROLINIANA M A Curtis in Sillim Journ XLIV (1843) p 80 — A Gray, Chlons Boreo) Amenc I 42 tab 7 + — Caule virgato simplicissimo glabio subghiuco, foliolis obovato-oblongis, margine subtusque porce pubenubue, petiolo longionbus, stipulis (magnis) rotundatis amplexicaulibus, supremis petiolum subaequantibus, lacemo spicalo elongato sincto calycibusque pubtscenti-villosit, flonbus irregulanler confer us vel veticillato- sublet nis, biacteis ovatis pedicellum duplo txcendentibus cnlvce parum bievionbus, stamimbus vixpersistentibus, legumimbus villosissimis late linearibus rectis planmscuhs rhachi appressis — Habitat HI sylvis raontanis Carolinae septentnonalis
- 2 riJERMOPSIS FRAXINIFOLIA M A Curtis I c 81 — A Gray 1. c 45 | tab 8 - Glabemma subglauca cnule raraoso raraisque flexuosis patentibus, foliolis ovato-oblongis, basi cuncatis, petiolum subexcedenlibus, stipulis lanceolatis petiolo breuonbus,*summis praecipue ramealibus minimis nunc deciduis, racemis laziflons dedinalis, pedicellis flifoi mibus sparsis patentibus calyce triplo longioubus, bractees subulatas multoiiies superanlibus, atamimbus deciduis, leguminibus elongato-linonnbus *MI* falcaus plants cinereo-puberulis patehlistmis — *Baptism mollis* Nutt (nee Micbx) *B fiaximfolia* Nutt mss — Habitat in Carolina supenori
- II Pag 316 no 13 CROTALARIA RECTA Meudel — Addatur Ferret et Galimej \ojage in Abyasinie HI 121 f tab 10
- 11 Png 318 no 29 CROTALARIA FERTILIS Delile mss ex Ferret & Galimer, Voyage en Aabyssntne III 122 no 49 tab 11 — Subdichotome ramosa folns tnfoliohllis, foliolis ovatis, utnnque acutis, stipulis nullis, spica ramulo opposila, bracteis squarauliformibus minimis, carina et vexillo acutis, legumimbus cylindncis dilatais obtusis, aptte paulo crassiusculis subcymbacformtbus — Habitat m Abyssinia

U Pag. 339

6493. OSrOJKTIS *Linn.*

(DC Prodi II 158 — Wlprs. Repert I 624 II. 839 V 460)

- ¹ ' 0 ALOPECUROIDES L - DC I c 163 no 49
P. *tnfolwluta* Cosson, Notes sur quelques pi de midi de I Espagne II 33 f — Poliolis plensque tnfoliolatis, foliolo terminal! latorahbus multo ampliore — ki agro **baduano**
- 2 0 TOURNEFORTH fosson I c 34 f - Planta annua, pallide luteo-virens, pubescenti-glandulosa Caules saepius plures, decumbentes, 3—5 decira longi, valde flstus-ost ramosi Folia petiolaia, pleraque tnfoliolata, foliolis obovato-cuneatis, suporne 'rgutp maequaltterque dentatis ncrvosis, suprema umfoliolata vel petiolo cfoliolato nter snpulas in anstam producto, stipulae ovatae vel ovato-lanceolatae acutae sublioliaceae petiolo brevtiores eique bast adnatae, dentatae vel subintegrae Flores minuti ochroleuci axillares solitam, in spicas lermfnales densas bast foliatas disposiu, breviiier pedicellati, pedicello in axilla folu norahs> sesstlt, tubo cahçts paulo brevior. Calyx campanulatus, lacinlis lanceolatis sub-5-nervns, corollam subaequantibus Legumen ovalum, calycem paulo superans, 4—6-spermum bemma ovaio-subrotunda ad hilum emaimala, sub lente punctato-scabra — *Anonts mantima Gadem*,\6 non spinosa Tournef — Habitat in arenosis mantimis agn Gaditani, propo Puerto Santa Maria.

3. 0 LEUCOTRICIA Cosson 1 c f — Planta annua vel biennis, radice fusiformi, in omnibus partibus corolla excepta longe molliterque villosa-hirsuta, pubescente pilosa glandulosa. Caules saepius plures, cretuli vel ascendentes, 2—4 decim longi, a basi lamiosi. Folia petiolata unifoliolata, foliolo obovato, superne argute dentato, apice saepe letuso, stipulae foliaceae, ovatae amplae dentatae, petiolo inferne adnatae; petioli foliorum cernui ceterum peristemiis. Flos minusculi rosco-purpureascentes auliaci solitarii, in spica* tenuales densas abbreviatas sub anthesi elongatas con-rsili, pedicellati, perianthio in axilla folii (totum sessile; modo calyx longior cal-lubulosus, lacinae lacinibus* angustis tubo multoties longioribus, corollam subaequantibus. Legumen oblongum, calyce brevius 4—5-fidispermum. Semina subglobosa, laevia — Habitat in incultis agris Gaditanae prope Pucito S. Mariae
- j. 0 MIVCII CARPA DC 1 c 160 — Cosson I c 55 f (Uagn emondat) — Planta annua subcibacea pilosa subviscosa. Caulis 2—3 decimetra longus, fere a basi lanosus, lamis eicuo-piulis. Folia petiolata multifoliolata vel unifoliolata, foliola oblonga obovata vel subobovata, serrata, stipulae petiolo adnatae omnesque subaequantur triangulariter lanceolatae acuminatae. Pedunculi axillares, folium magis minusculum exculens, magis minime astitati vel inulsi. Flores Julii pedicellati, pedicello calycis modo longioribus, apice pedunculi solitario, post anthesin deflexo, apice ramorum in lacinoso foliato disposito. Calycis lacinae lanceolatae acuminatae 3-nerviae, corollam subaequantibus vel paulo brevioribus. Legumen oblongo-rhomboides compressum, basi styli longioribus apiculatis, calycem paulo superans sub-4-fidispermum. Semina subobovata, ad limum marginata, puntillo in basin — Habitat in agro Telenensi prope Favuollos
- i. 0 MONTANA Cosson 1 c HI 103 f — Planta perennis pubescenti-glandulosa cespitosa caudice sub lignoso multicipuo in radice fusiformem abscissa. Caulis pluvini decumbens, 15-30 centim longi, in stipulis caudicis muniti lamiosi graciles duosulci, cernui vel hirsuti. Folia petiolata, petiolo saepe folium subaequantibus, fere cuncta unifoliolata, foliis obovatis vel subobovatis-cuneatis, acutis denatis, nervosis, medio longo pedicellato, stipulae subcibatae vel in partibus foliorum subcaudicibus, lineari-lanceolatae, & natae in stipulae subinlegiis, nec ovariae, petiolo multo brevioribus obovatis modo adnatis roribus mudiocis obovatis, in spicas terminales bipartitas oblongas vel obovatas dispositas, in axilla basilarium obovatum (stipulae petiolo apiculato adnata) solitarii, breviter pedicellati, pedicello sessili modo calycis paulo brevioribus vel cum subaequantibus. Calyx piloso-glandulosus, campanulato-tubulosus, lacinae tubo 5-fido longioribus, laciniibus sub-5-nerviis corollam subaequantibus vel vexillo paulo brevioribus. Legumen ovatum, calyce brevius, pubescens subdispersum in Scirpina subobovata ad limum emarginata, sub Jonte punctata - scabra — Habitat in glaucosis dumetosis ad basin nionis Siena de begin a regni Murcici
- II Pag 339 no 3. ULIA WEBERIANA Coason, in Noies sui quelques pi de midi de l'Espagne II 32 f — 1-lutea habitu denticulata acuminata, ramosissima lamis et lamulis aldestinctis, glabris, junonibus villosis*. Flores 10—11 millim. longi axillares, biciliati pedunculati pedunculo apice bifidifoliate, bracteolis lineariibus pedunculo angustioribus. Labium corollae dinudum bilobum, labio superiore brevioris brevissimae bidentato, dentibus jppio-limolis, labio inferiore tudente. Corolla lutea, vexillo caena paulo brevioribus, illius longitudinem vel subaequantibus, calicinae partem arcuata. Legumen ovalo-oblongum, valde compressum, oblique styli basi mucronatum, calyce subduplo longius 1—2-fidispermum. Semina subobovata — Habitat in incultis agris Gaditanae prope Alcalá de los Gazules
- H Pag 341 no 1b GEMMATA ILLAHIATA Joidan Obscur 66. t. lab 2 fig A. - Flos solus in centro de la tige de feuilles el foimant des giffes* irts-courtes presque unilatérales. Pétioles velus, plus courts que le calice. Celles* ti tre v. l. lanceolées, à polls lacinées & dactyles, tube court campanule, lèvre supérieure* divisée jusque au-dessus de sa base en 2 dents ovales-lanceolées, ICMC infencure divisée

jusqu au milieu en 3 dents lancées non rapprochées Corolle presque triple du calice, tics-volue- soyeuse en de bois, tencdaid i limbe ovate, ins-pen ou point dmni-gim , i onglel tits-court, ailos glabies, oblongues, plus dlioilcs et plus couites quo la caruic, celle-ci iis-veluc, oblongue, obtuso, picsquç drone, < galant ou dipassant un peu lttcndaïd Goussc oblongue compumie, veluo Graines 2—4, ovaies-aironihcs, compiiimcis, lisses, dun biunveidure Feuilles simples, oblongues, bu&vemeiu pctiolulccs, sans stipules, toutes couveites sui les deux faces, surtout en dessous, do poils 1 idies dales blanchfttics Tiges ligmu<es, tics-basses, diffuses, lus-iamifH es <t loilucusc avec 1 age, jcunes ramciux ouuits, tics-velus blanchâtres el sluts, dux-se's-ttchs, souvenl irguts et dtlett& inogulieitmcnt, trLS-fcuilks Racine dure, lig-neuio, presque simple, tns-profundo Plante tns-lnscc, s < levant a peine de 3 t ') < cnt au dessus de lene dans lc lieu lus- rocailleux. qu elle habile, a lamitacions tns-denscs, tpanouies en tous sens ol dijeltes — (r *hunufusa* Vill Delph HI 421 tab 44 (nee L.) — Habitat in Delplunatu

If Pag 341 no 8 GENISTA MURCICA Cosson, Notes sur quelques pi du midi de l'Espi<?np HI 101 -f — Fruticulus habilu *Iunactac*, 1—6 docim alms, creclns vel subdiftus ramosissimus ramis stnais, lami veluli siucti \cl toituosi, coilicc castaneo, ramuli no\elli coriice virescente, prnum senceo-pubeiuli, cito glabiescences, fohorum pulvinis incrassalis quasi tuberculosi, conferti altemi vel fasticuhli, stncti ngidi, apice ineimi truncati Folia sessilia unifoliolata, iltcina vel in ramib tnoiiims fasciculata foliola minima, circiter 1 millim longa, seiiceo-pubescentia, linetn-oblongi cito ermrida et decidua, stipulae obsoletae vel minulae dentiformes FIOIPS in racemos lerminalcs laxifloros dispobiti, 2—3 sublasciculaii vel solitani, pedicelli t.ubum colycis subaequantcs vel paulo longiores, bibracteolati, brnctcolis minutis lineanbus a calyce lemotiuscnlis Calyx persistens, senceo - pubescens obconico - nmpanulatus bilabialis, labio supeuore infenon paulcbievioie bipiiuo lobis trnnguihibiit lubum subaeqmntibus, labio infcnote bievitei tridentato Cuiolh mnrccscens flava, Acxillum amplum ovatum subreclusum, dorso cannaque glabium, cannnin subneqmns, alae caiina subaequilongae vel paulo brevioies, ista subnequilalae cultnfoimi -oblongae obtusae ghibiac, canna culliifoimi-oblonga obtusa senceo-pubescentia Ovanum linean-elongatum, calycem sub aniliesi longissime excedens senceo-pubescentia, ovulis subquinque, stigma minutum obliquum inlrorsum Legumen ? — Affinis *Gemslae Haenselui* Boiss — Habitat in rupc Sancti Micliaelis pi ope Oihuela tegni Murcici ad limitein

ij GENISTA PSCUDOPILOSA Cosson I c 102 f — Fruticulus inerrais, 10—30 cenlim longus, habnu *G pilosam* leferens nunco decumbente subtortuoso, nmis alteims muticis subterctibus stnatis foliorum pulvmis incrassalis quasr tuberculosis, ramulis novellis bie\ibus ascendentibus erectisve vnescentibus seuceo - pubescentibus Folia sessilia unifoliolata, allerna vel iauus ad tamos annotinos fasciculato, foliolis 5—8 millim longis annuls, subcoriaceis oblongis vel oblongo-lanceolatis, socp'ssime complicins, maiginibus subconvolutis, subtus pubescenti-senceis, slipulae dentiformes vel obsoletae Floies in racemos teirinales abbreviatos disposal solitani, infenores in ⁿxilh foin caulim>) similis, supenores in axilla bracteolae lineaus minutae subherbt^oeo pedicellum subaequantis, pedicelli tubo calycis paulo bieviores, bibracteolati, [^]acicolis minuiib lincanbus cal\ci subconiiguus vel ab eo cmotiu&culis senceo-villo-sis Calyx incano-senceus obconico-campanulatus bilabialis, labio supenore infenon pnulo bievioie bipaitito, lobis inangulari-lanceolatis lubum subaequaniibus vel eo paulo ^ongioiibus labio inlcnore tnfldo, lacinnis hneanbus Corolla flava, petalorum uugui^bus tubum calycinum subaequantibus, vexillum ovatum letusum, exlus senceo-pubescentis, carinam subaequans, alae carina subaequilongae vel paulo breMoies, ista sub^didid angustiores, cnlmformi-oblongae obiusac glabrae, cauna cullnf[^]rmi-oblonga ^{ar}genteo-sencea Ovanum lmean-lanceolalum senceo-pubescentis, ovulis 3—4, stigma [^]bcapnatunr Legumen acuminatum compiossum seuceo-pilosuin — Aflims *G. pilosae h* — Habitat in rupmm fissuns regionis montanae supeiions ad cacumen mon-¹¹⁸ Sieira do Segura regni Murcici

II Pag 355. no. 1 b DORYCNIUM DECUMBENS Jordan, Observat HI 60 f tab 4 fig A 1 — 12 — FICurs reunies, au nombre de 15 à 20, en petits capitules solitaires, presque hémisphériques, pédonculés, axillaires et terminaux, tournés presque d'un seul côté, assez espacés tout le long des rameaux et de veloppis succosivement. Pédoncules distichotomés, assez raides, deux ou trois fois plus longs que les feuilles ramales pinnées au-dessus du milieu d'une feuille tendre avec ou sans stipules. Pédoncule épais au sommet, disposé comme en ombelle au sommet du pédoncule, de longueur presque égale, les internodes dressés distichotomés, les extrémités inclinées latéralement, munies à leur base d'une bractée linéaire. Calice couvert de poils dressés, appliqués ou un peu lâches, à tube campanulé, de la longueur du pédoncule, à dents presque égales lancéolées-linéaires, acuminées, environ de la longueur du tube. Corolle blanche ou un peu lavée de rose, dépassant le calice de la moitié de sa longueur, (étendard à limbe étalé obovale arrondi, légèrement apiculé, comprimé inférieurement, prolongé en onglet large presque égal, contracté et adhérent vers la base; ailes très-petites, deux fois plus courtes et plus étroites que l'étendard, dépassant un peu les dents du calice, de forme oblongue, étroitement unies par tous leurs bords antérieurs à convexité latérale oblongue peu saillante; carene blanchâtre, entièrement cachée sous les ailes, oblongue, redressée au sommet. Ovaire linéaire-oblong, un peu nitide aux deux extrémités. Style de la longueur de l'ovaire et redressé sous un angle très-obtus. Gousse dépassant le calice, glabre elliptico-oblongue, surmontée par le style, finement cannelée par les bords saillants des valves qui sont dures et presque ossiculées. Graine obovale solitaire, lisse grise ou maculée de vert, de forme elliptique, à ombilic presque orbiculaire, à bile égal au sixième du pourtour de la graine. Cotylédons adultes pétiolés, de forme ovale-elliptique, de consistance épaisse, un peu concaves en dessus, d'un brun violacé en dessous. Feuilles toutes exactement sessiles et formées de trois à quatre folioles dressées - ciliées, d'un vert tendre, couvertes de très-petits poils appliqués ou un peu lâches sur les bords, épaisses, légèrement concaves en dessus, oblongues-linéaires, redressées inférieurement, courtement pétiolées et accompagnées de deux stipules de même forme et de même aspect. Tiges très-nombreuses, arrondies et d'un vert tendre comme les feuilles, subherbacées, diffuses, allongées, flexueuses, ascendantes à la base, puis recourbées et tombantes, dressées à leur extrémité, munies de rameaux courts peu stylés. Souche un peu ligneuse, très-compacte. Racine formée d'un pivot presque simple, oblique et très-allongée. Plante de 6 dec. environ, subherbacée, d'un vert un peu blanchâtre — Avignon ad n. fl. Durancie in Gallia

1c DORYCNIUM GRAGILE Jordan 1. c. 70 f tab 4. fig D — Pédoncules solitaires, ailés et terminaux, dressés-étalés, deux ou quatre fois plus longs que les feuilles, munis, très-près du sommet ou un peu au dessous, de 1 à 3 folioles, rarement nus. Capitule renfermant 10 à 15 fleurs très-petites. Calice soyeux-blanchâtre, à tube campanulé, à dents lancéolées-linéaires acuminées presque égales au tube. Corolle blanche plus longue que le calice de la moitié de sa longueur; étendard à limbe dressé, un peu étalé, ovale arrondi, apiculé au sommet, non comprimé et prolongé uniformément en onglet adhérent vers la base; ailes plus courtes que l'étendard et aussi larges à convexité latérale ovale-arrondie saillante, à bords antérieurs connivents et coronant entièrement la carene qui est blanchâtre. Gousse petite, de forme arrondie-elliptique, monosperme. Folioles vertes, couvertes de poils épais distichotomés ou accombants, planes, peu épaissies, linéaires, redressées à la base, les supérieures très-aiguës au sommet. Tiges nombreuses grêles herbacées, flexueuses, dressées, ascendantes à la base, à rameaux très-rapprochés de la tige. Souche dure, noueuse, ramifiée, peu compacte. Plante de 2 à 4 dec, verte et herbacée. — Hyères ft Toulon in Gallia.

f Icones addendae.

D HERBACEUM Vill - DC Prodr. II. 209 no. 10. - Jordan I. c. 65. tab. 4. fig. C.

D. SUFFRUTICOSUM Till. — DC. 1 c. no 11. — Jordan I. c 64. tab. 4. fig B.

II Pag 361 no 3b PSORALFA STIPULATA Torr ft Gr miss ex A Gray, Manual of the bot of the North Umtd Staates 105 — Glnbnuscula eglandulosa caulibus diffusis, loins pinnntim tnfoliolatis, foliolis ovato-ellipticis reticulatis, stipulla ovatis, capitulis uxillanbus pedunculnlis, bracieis late ovatis acute apiculalis — In America boreali (falls of ihe Ohio)

II Pag 367 6551 SESBAHTIA Pers

(DC Prodr II 264 - WJprs Reperit I 680 II 858)

I *S AEGYPTIACA Pers - DC I. c no 1 - Wlprs I o I 680 f— ^{Ferpe} ft Gahmer, Voyage en Abyss HI 130 — *Sesbama punctata* Kotschy

II Pag 369 no 5b. PHACA ROFI BINSII Oakes mss ex A Gray, Manual of the bot of the North Unitt Staates 103 — Glabnuscula gracilis **folioljs 7—11 ellipticis saepe** crenntis, pedunculis quam folia multo longionbus, racemis laxi\$ elongatis, fmclifens subumlaterahbus, legumimbus pendulis in caljce pedicellatis oblongis naviculanbus, suturn seminifera convexa, altera recta — Caulis pedalis, flores 5 lin longi albi[^] legumna vix pollicana turgida papyracea venosa glabnuscula — In America boreali (prope Burlington)

U Pag 397

t IooneM uddendae.

ASTRAGALUS ANKYLOTUS Fisch **fit** Moy (Bnge ?) - Wlprs Reperit I 702 no 64 - Bngc Icon pi nov Lehmann **tab 10 flg B**

ASTRAGALUS ARPILOBUS Kar ft Kiril — Wlprs 1 c 702 no 66 — Bnge I c **tab 13 flg 2**

ASTRAGALUS BAKALIENSIS Bnge - Wlprs Annal. 1 237 no 12 - Bnge I c. **tab 14 flg 2**

ASTRAGALUS COMMIXTUS Bnge — Wlprs 1 cit. no 10 — Bnge 1 cit **tab 10. flg B**

ASTRAGALUS LEHMANNIANUS Bnge - Wlprs 1 cit. 238 no 20 - Bnge I cit. **tab 15**

ASTRAGALUS QUADRISULCATUS Bnge — Wlprs 1 c 237 no 11 — Bnge 1. c. **tab 10 flg 1**

ASTRAGALUS SUBBIJUGUS Ldb — Wlprs Reperit II 881 no 114 — Dnge I c. **tab 13 flg 1**

ASTRAGALUS TRIBULOIDES Delile. — DC Prodr II 288. no. 65 — Bnge 1 **c lab 14. flg 1**

II Pag 406 6587. -OIMTITHOPUS Ltnn.

(DC Prtfdr II 311)

¹ 0 ISTIIMOCARPUS Cosson, Notes »ur quelques pi du midl de l Espagno II 36 f - **Nanta** annua Folia villosa multijuga oinnia vel saltern media et supenora seisilia, **superiora** paucijuga foliohs saepius angusuonbus, stipulae pai vae, basi peholo **adnatae** Pedunculi axillares; folio saepius subduplo longiores, 3-5-flon, sub llonbus folium bracteale 3-7-phyllum geientes Flores 7-8raillim longi, magnHudino floies 0 roset ndaequant rosei Calycis denies linean-subulati, tubi longitudmem subaequant **v**«iMum alas paulo superans, alae canna multo longiores, canna calycem haud su-Perans Legumina lmearia compressa, 25-35 raillim longa, demque pendula, subsecunda valde arcuata, concavitate mferne spectante, mtei semina in isthmus elonga-

LOB contracta, in rostrum subulatum subuncinatum arcuatum desinentia, articulo superiore multo longius — *O. tahvus* Brot (ex p) — *O. roseus* Dufour (ex p) — Habitat in arenosis Hispaniae et Lusitaniae australis, etiam Africae borealis

- II Pag 407 no 3 HIPPOCREPIS SQUAMATA Cosson, Notes sui quelques pi du midi de l'Espagne HI 105 -f — Planta perennis caudice lignoso mucronata, in radicem fusiformem desinente. Caules plures, 4—25 centim longi, diffusi vel ascendentes, herbacei sericeo-pubescentes, rami glabrescentes. Folia subtus praesertim senceo-pubescentia, rami virescentia 3—6-juga, folioli saepius mucronulati oblongi obovati, apice rotundatis retusibus. Spinae hirsutae membranaceae pubescentes, rami glabrescentes. Flores lutei, vexillo vix saluatoribus picto, in apice pedunculorum terminalium axillarum elongatorum 2—6 umbellati deflexi. Calyx senceo-pubescentis bilabiatus, labio superiore inferius adaequante vel paulo longior vix ad medium bifido, inferior e dentibus 3 constans paulo brevioribus vel longioribus linearibus lanceolatis vel ovato-lanceolatis. Legumen rectum vel subincurvum compressum lineare, constans articulis plurimis monospermis semilunatis arcuatis et inter articulos dilatato-complanatum, inde ad latera superius sinibus late apertis quasi incisum videtur, pubescentia furfuracea-squamulosa obtectum, rostio complanato in stylum filiformem ascendentem abeunte. Semina nigrescentia linearia arcuata — *Coiomlla iqumala* Cav Icon tab 153 — DC Prodr II 310 no 12 — Habitat in regione montana calida regni Murcici, in monte Sierra de Ajoia prope Chinchilla

II Pag 418 6623 1. ESPEDEZA Michx.

(DC Prodr II 348 — Wlprs Rept I 748)

- I L. RLPENS Ton fit Gi mss ex A Gray, Manual of the bot or the North United States 101 — Glabra, exaequaliter pilis paucis adpressis minutis sparsis, prostrata diffusa glabris folioli ovalibus vel obovato-ellipticis, pedunculis gracilibus paucifloris legumibus lotuatis — In America boreali (New Jersey)

II Pag 420 6638 CEXTROSEUIA DC.

(*Chlonac* sect. 3 DC Prodr II. 234 — Wlprs Rept I 753. V 529.)

- I *C SCABRIUSCULUM Hsskrl PI Javan rari 377 + - *Cutona Ivytmana* P- elliptica* DC Prodr II 234 no 9 — *Clituna oblonga* Hsskrl Diagn 191 — *Dochos seal****⁸ culus Hssk — Wlprs Rept II 901 no (
- II Pag 424 no 1 CHIROCALYX PUBESCENS Wlprs — Addatur — *Erythra secundiflora* Brt — DC Prodr II 412. no. 9 — Hssk. Plant Jav. rari 378 f — *Erythra*¹¹⁰ In die a Lam — DC 1 c no 15 (?)
- II Pag 423 no 2 b ERYTHRINA HASTIFOLIA Bertol Illusti di piante Mozambiche¹¹ I 9 f tab 2 — Caule, ramis petiolisque aculeatis, folioli glabris hastatis, auriculis¹² obtusis, segmento medio cuspidato acuto, calicibus truncato-subbilabatis dentate, legumibus moniliformibus — Habitat in Mozambique
- II. Pag 426 no 7 (Sect dub) PHASEOLUS BILOBATUS Hngelm. Sktch. of the bot Wisl. exped 25 ndn — Caule prostrato pilis retrorsis luscis, folioli auriculatis¹³ pilosis reticulatis, latealibus subsessilibus inaequaliter bilobatis, tenaculatis¹⁴ linearibus-oblongis, pedunculis folia longe superantibus multifloris, calycis hirsuti¹⁵ vix subulatis tubum aequantibus, legumibus compressis hirsutis curvatis, seminibus¹⁶ laevibus — Habitat in Nova Mexico (Cosjhuinachi)

« Pag 431 6689 PSEUDARTHRIA *Wght. Sf Am.*

(Wlprs Repert I 788)

1. ' Pb CAPITATA Hsskrl Plant Javame rar. 390 f — *Desmodium capitatum* DC Prodr (I 33b no 101
- 2 *PS GYRANS Hsskil 1 c 391 f — *Desmodium gym& Dt 1 c 326 DO 8 — D Roylei* W ft Am — *Codanocalyx gyians* Hssk — Wlprs Repert II 891 no 1
- 3 * PS POLYCARPA Hssk I c 393 f — *Desmodium polycarpum* DC 1 c 334 no 82 — *Lodanocalyx comcus* Hssk — Wlprs Repert II 891 no 2
- ¹¹ pag 432 no 9 b ERIOSISMA STRICTDM Bnth Linnaea XXII 520 — Caule erecto senceo-villoso, foliolis terms longe linear-lanceolatis, supra puberuis, subtus senceo-pubescentibus, stipulis concietis oppositifolns petiolo longionibus, racemis axillanbus termmalibusque dense plunllous, breviter pedunculatis, calycis lacinnis subulato-acuminatis corolla brevionbus — Folia saepe semipedalia, 3—4 lin lata, crassiora quam in praeoedente Indumentum caulis et foliorum breve senceum inDorescentiae et leguminum longe senceo-pilosum — Brasilia
- ^{9c} ERIOSEMA CORDIFOLIUM Bnth Linnaea XXII 521 — Fruticulosum divancatnmosum viscidulo-pubescentis slipnlis ovatis concretis caducissimis, foliolis solitanis bieviter petiolalis subcordato-ovatis, racemls lazis pauciflons folia demum superanlims, braceis ovato-lanceolalis, calycis hcinus lanceolatis Rcumlnatis, tubo suo longiobus, \exiHo dimidio brevionbus — Ramuli breves Folia 1—2-pollicana Flores in racemo intei se dibiantea, longiuscule pedicellati, 7 lin longi, vexillo dense senceo Alae angustae, cannae acquilongae — Brasilia

a Pag 435 6694 CYIJISTA *Ait*

{DC Prodr II 410)

- ^I I SCARIOSA *Ait* — DC 1 c no 1 — Wght Icon plant Ind or tab 1597
- ^{II} Pag 439 no 6 DALBERGIA BLUMEI Hssk Plant Javan rar 400 — Frutex soandens foliolis 8—9-jugis oblongis subovalibus, utnnque adprasse pilosis, rbaobide puberula, fructibus oblongis stipitatis obtusis — *D multyuga* Zoll ft Morizi, Yerieicho P 2 (nee E Mev) — In Java

" ^e 4io 6738. AMIIOTHAMWUS *Bnge.*

(Wlprs Annal I 256)

- ¹ 'A LLHMANNI *Bnge* - Wlprs I c - *Bnge* Icon plant novar Lehmann tab 12

H Pag 44b

t **Icon addenda.**

CASSIA AURLRCH *Dehle* — Wlprs Repert I 812 no 5 - *Ferret et Galmier, Voyage en Abyss.* 111. 123. no. 50 tab. 3.

II Pag 447

XXXV HUKBOIiDTIA *Vahl*

(DC Prodi II 488 — Wlprs Report I 844)

- I H VAHLIANA Wght Icon pi Ind or IV tab 1607 1608 — Ramulis sohdis aequalibus, foliohs quadnjugis ovalo-oblongis acummatiss, stipularum lobo dorsali subaequilaterali, utrinque rotundato, petalis 5-nis subaequalibus, calycis lobos vix aequantibus, caducis — In India onentali (Neilghernes)

t Ieones addendne.

H BRUNONIS Wall — Wlprs Reperit I 844 no 1 — Wght Icon plant. IV tab 1606
H LAURIFOLIA Vabl — DC Prodr II 488 no 1 — Wght 1 c tub 1605

II Pag 449 no 2 PARKIA BIGLOBOSA Bnth — Wlprs Reperit V 577 no 1 — *Pmkxagiandis* Hssk — Wlprs Reperit II 905 no 2 — Hssk PI Jav rar 415 f

II Pag 450 no 2 ENTADA INGALFOLIA Prsl Epimeliae p 205 f — Ramulis, petiolis pedunculisque tomentosiss, folns bipinnatis, pinnis 1—2-jugis, pinnuhs 1—2-jugis lanceolatis acuminatis obtusis ciliatis nitidulis, subtus m costa pubescentibus, glandula scutellari sessili in petiolo inter juga pinnarum, spica axillari solitaria cylindrica folio brevior, florus decandrus, calyce puberulo — Habitat in Brasilia

3 INTADA WRBAEANA Prsl Epimeliae p 206 f — Ramulis, petiolis, pedunculis rhamulisque tomentosiss, folus bipinnatis, pinnis 19-jugis, pinnulis multijugis linearibus falcatis acuminato-cuspidatis, obsolete ciliatis, basi inferiore truncatis aunculatisque, spicis paniculatis cylindricis elongatis, rachis crassa, florus decandrus hermaphroditus, petalis basi hirsutis, filamentis alteris staminibus antheris glandula pilosa superatis, ovano villosissimo — Habitat in insula Trinidad

IV %DEH<rOPODIA *ft si*

(Prsl Epimeliae p 206)

Calyx campanulatus quinque-denticulatus, sinibus latissimis rectis Corolla tubulosa quinquefida, aestivatione valvata, Stamina decem, libera, filamentis piano-filiformibus, antheris linear-oblongis, apice glandulam globosam pedicellatam fugacem gerentibus Ovarium longe gynobasicum villosiss Stylus filiformis Stigma acutum Legumen lineare compresso-planississim, gynobasicum polyspermum, in articulos transversos monosperm os suturis persistentibus discedens Semina compressa — Species unica Austrah-Africana, fruticosa scandens Rami angulati petiolique aculeis «parsis uncinatis armati. Folia bipinnata, pinnis In—quaque—septemjugis, pinnulis novem—duodecim-jugis herbaceis oblongis rotundato-obtusis, basi obliquis, petiolo supra basin glandulis una—duabus suprapositis pyramidatis et inter jugum secundum vel quartum glandula clavata instructo. Spicae pedunculatae axillares «?olitariae» binae—ternae—quaternaeve, m apice rami in paniculam dispositae tolio plus quam triplo breviores. Flores sessiles flavi hermaphroditi Legumen plus quam quadripollicare, pollicem latum falcatum nitidum ad articulos sinuato-contortum

I *A SPICATA Prsl I c p 207 — *Mimosa spicata* E Meyei — *Entada* Natalensis* Bnth — Wlprs Reperit I 858 no 4 — Habitat ad Poit ^alal promontoru bonae sp^{nl}

II Pag 456 no 27 b ACACIA VICIOIDES Ferret a Galinier, Vovage en Abyssime III p 119 no 46 — Stipulis axillaribus geminis lecurvis, foliis bipinnatis bijugis, pinnulis bifoliolatis, foliolis ovatis, foliis spicatis, fructibus membranacei? oblongis, margine repandis — An *Acacia mellifera* Benth ? — Habitat in Abyssinia meridionali

1* Pag 457 no 5 'ALBIZZIA STIPDLATA Benth — Wlprs Repeit V 598 no 19 — Hssk Plant Jav rar 417 f — *Inga purpurascens* Hssk — Wlprs 1 c 644 no 143

f Genus leguminterum dubium

U Pag 4bi MA VIA Bertol.

(Wlprs Annal II 461)

¹ M JUDICIALIS Bertolom, Illustr di piante Mozambichesi I 10 tab 3 — Arbor radice umosa valde crassa (Frustulum rami ejus mis sum a Fornasino est diametro bipollicenn.) Caulis teres valde ramosus glaber, tectus cortice crasso nmoso colore rubido infecto Folia petiolata abiupte bipinnata, conjugationibus primis duabus — tribus, foliolis ovatis acuminatis, acumine apice obtuso et subinde retuso, integris petiolulatis petiolulo sesqui — bilineari, glabris, inter se remotis, nitidis, supra saturate viridibus, subtus pallidibus, pollicem longi, sex — octo lineas latis, subinde uno altero foliolo apice in duos, tres denique exciso Flores desunt Racemi ramosi, laxi solitarii OTII Inres fructifer Legumen cultriforme compressum, duos pollices cum dimidio vel tres pollices longum, pollicem latum subfalcatum, modo lotum aequale, modo hic illic paululum constrictum obtusum, vix cum acuminulo sive rostello, ad serena tumidulum umloculare, bivalve, valvis connatis, glabrum, siccum nigrescens subhexaspermum semibus tribus — quatuor tantum perfectis, reliquis abortivis Semina magnum Lupini, vel paulo grandiora sibirica compressa, tamen crassa, laevia, purpureo-megrescentia, in ambitu canaliculata, canaliculo costa depicta obtusissima dirempta, videntur tecta anillo tenuissimo vix mstar, albente, qui postea evanescit, remanentibus hic illic frustulis praesertim in ambitu Funiculus umbilicalis crassiusculus longiusculus — Mozambique

Ordo LXXIII. CHRYSOBALANEAE R Br

II Pag 46^ 6401A. ORYMAHTIA Prsh

(Pisi Epimelae p 193)

Calycis tubus turbinatus subgibbus, hinc quinquepartitus, lacinis Persistentibus (?) orbiculatis aequalibus patentibus imbricatis (tubus ex tribus, duobus lacinis) Petala quinque, calycis limbo longiora obovata decidua Stamina 20-30, petalis paulo longiora, basi adnata, filamentis simplicibus, antheris cordato-ovatis anthero excentrico, cavitate gibbositatis tubi calycis oppositum glabrum hirsutissimum umloculare biovulatum, ovulis erectis. Stylus e

basi ovani simplex, lamnibus duplo longior. Stigma oblusum, minute quadn—qmnrfuelobulatuni Fructus . . . 9

I *G POLYANDRA Prsl 1 c f— *Ihrlella polyandra* II B Knth - DC Piodr. II W9 — *Moqmelea Kunthiana* Mait flt /ucc — Habitat ad porlum Accipulco in Mexico occidental

2 G s\LICIFOLIV Pisi 1 c f— Folus oblongo lameolalis acuminatis glabns, basi (sen in apite ptilioli) biglandulosis, llonbus brevitci pedicellate, caljus lubo laevi, sldiniibus inginla, stjlo gldbio — Habitat in in&ula Luzon

Ordo LXXIV. AMYGDALAEAE *Endl*

H Pag 464 no Z AM\GDALUB PLRSICA Linn — *Vcnua vulgau** Mill — DC Piodr II 531 no 1

^ . fmctibus geminis termsvc verticillatis ex eodem flore — Lindl Journ. of the lion soc HI 313 (c ic)

H Pag 465 no 7 PRUNUS (*Padus*) ERECTA Prsl Epimeliae p 194 f — Ramulis angulatis, folus hcibacci<: Innccohtis obtusis calloso-mucionnto-dentdtis, basi acula bipmldulo^is, s u pi a gl.ibns, sublus pallidis pubescent ibus, ramuloium stenlmin aculis, i a com is fi iictifei is pedunculalis erects in — quinqueflons , folio brevionbus, diupis subglobosi* — Habitat in Nutka-Sund (sub *Ceiaso*)

8 PRUMJS (*Lam oeci ami*) IbTLGRIFOLIA Prsl Ic f- Glabcruma lamuhs leietibus, folus semporvirciilibus couaceis cordalo - oblongis acuminalis integenimis petiolisque eglandulosis, racemib axillaubus secundis subses^ilibus, folio tiiplo bievionbua, drupis ovatis acutis — Habitat in montane Huanoccensibus Peruvine (sub *Ceiaso*)

Ordo LXXV. ROSACEAE *Jus**

II Pag 465 no lb ROSA (*St/stylac*) ANCMONEFLORA Fortune mss ex Lindl Journ of ihe hortie soc II 315 adn — Glabra scandens ramulis parce seiigens et glandulO'' sis, loins icnidtib laro pinnatis, foliolis ovato - lanccolatis acuminalis aigule serratiSt bublus glaucis, petiolis aculcolaus, stipulis nngustissimis integris, margine subglandU' lobis, apice libeiis subulatis, tubo calycis scpalisque subintegus glabcmms — 'n China (in bortib Shanghai)

II Pag 466 no 4 b ROSA [*Caninae*] MJTKANA Pisi Cpimcliae p 203 f — Ramis gk' bns peiolit-que aculeatis, acukis stipulaubus comcis retus vel .eursura leviter curvntis, pmnis ovato-elliplicis obtusis sterrati*, ^ubtus ad gohtam pubes^ntibus, serrfi* tuns obsolete ghndulosis, slipulis rnaximis, margine petiolisque g l a n d - f u d s e d u b u s , pedunoulis soluni us fiuclibusquo ovatis glabns, rah cis Incinus integris long atuminaus, exius glandulosis, apice bpaibulalu. — Habitat m INulka-Suud.

- ^I Pdg 468 no 8 RUBUS RODUSTUS Prsl Epimel 196 f — Ramis obtuse nngu-
latis petioli9que costisque toliolomm subtus tomentosis aculeisque uncmntis ainniis,
folns pnlmato-quinatis, foliolis petioluhtis cordain-ovalis aculis ocuminalisve duplicato-
acumimto-Berrniis, utrmque pubcipnlibus, <nbius ad nervos venasquo pilosis, otlpulis
lineanbus aculis veludms, panicula awllaii lermmalique inerm/, calycis lacinnis ovatis
obtusis brevissime mncronulati? corolla duplo brevionbus — Hnbnt In vallibus for-
dillerarum Poruviae
- ^{II} Pag 519. no 6 AICHEMILLA REPLNS Prsl Epimel 199 f — Ilirsuta pilis longis pa-
leniissimis caulibus repentibus ladicantibus, folus di^uato - tnparlius, parliliombus
pmmiifldo-multjfidis, lacimis lineanbua obtuse, stipulis vagimnlibus intcigiis, rnnus
florifens later ahbus brevissimis, ilonbus capilalo- conglomerate octotldis diaudns di-
gyms — Habitat in moniibus Huanoccensibus Peruviae
- ⁷ AL(HLMILLA DARDATA Prsl I c f - (acspioosn folu* conaccis bieviter ptlio-
latis pjnnato-quinquepartius, partitionibus lineinbus obtuais glabns ciliatis, apice bar-
bato-hirsutis, ner\o medio subius crasso, stipulis viginantibus scnnosis um — biden-
tatis ciliatts, denlibus apice fisciculo pilorum barbaliis flonbus termi noli bus capitalo-
congestis — Habitat in moniibus excelsis l'eiuMae
- ^I Pag 519. no.1b ACAENA(Luacacn<)PCCTINATA Pisi Epimel 201 f — Flonbus apice
'n spicam cylindraceam elongatam disposing, inferne sparsis eubsoJitanis dislanlibus,
ovano villosissimo aculeis subulatis lectis glochidiatis armnto, caule fruticuloso ascen-
dente, bast senceo-lonnto, a pic em versus glabrescente, folus subrodicalibus fosciculato-
congestis 8—10-jugis, supra adpreue pubeicentibus, snbtus ddtisissime incano-pilosis,
pinms scssilibus ovatis oblusis pectmaio-pinnatifldis, basi roundatis, lacimis linean-
oblongis obtusis — Habitat in Chile.
- ^{lc} ACACNA (Luaiena) TRIDACTYLA Prsl 1 c + — Flonbus in rapiiulum subglobosum
terminalc dispositis, inferne spnsis subsolitnms distantibus, inflmis folio subses&ili
sulFultis, ovano frucluque glabro aculeis subulatis rectis conicis armato; caulo fruii-
culoso ascendentemcano-hirsuto, follis fisciculalo-congestis5—6-jugis, supra mudulis,
pilis sparsis pilosis, subtus incano-pilosis, pmnis sessilibus oppositis tnpartuis, basi
obtusis, lacimis linean-lanceolntis calloso-mucronatis, media lateralibus duplo majon
— Habitat in Mexico occidental!.

" Pag 520 6373. SAH'GUISOBBA Linn.

(DC Prodr II 593 — Wlprs Report. II 44)

- ^I S MICROCLPHALA Prsl Epimeliae p 202 f - Spicis ovalibus, stamimbus oaljeo
'ongionbus, caule oligostachyo folnsque glabernmo, pmms cordato - ovalis oblusis
aequaluei serralls petiolulatis; bractels dlntls — Habitat m Nutka-Sund
- ^{II} P«g 520 no la POTERIUM (Pimpelloules) LATEMFLOnVM Cosson, Notes surquel-
ques pi du mi(jj dt l'Espagne III 107 f — Planta perennis, caudice crassiusculo
apico squamato Caules ad basin aublanalo-Milosi, 6—12 decim longi eiecti subsim-
P)»cea vcl snepius supeine lamosi, ramis longissimis subaphjllis virgalis Folia radi-
ca''» JII lobulam disposua, peiiolis subvillosolannntis, foJiolis oblongis vol oblongo-sub-
0)I>iculnu\$, basi saepe coidatis, senatis, breviter petiolulatis, supra glabns, subius od-
Pses!be pilosis, folia caulma minora, foliolis angustis oblongis lineanbusve, supenoia
foliolia paucis lineanbus saepius integns Spicae subglobosae parvulae, pleraeque se-
cus tamos et caulis paiiem supenotem sessiles distantes, inde iami concateiiali
videntur Fiuctus ciiciier 3 nullim longus castaneus siamineus vel subcinoreo-lutes-
cens, ovatufobovalusve estipuat, quadnquel, angulis immai gnaiis, reliculato-rugu-
J osus —Habitat in pascuis legioms montanae inferior! 8 pi ope Uiopar in rcgno Murcico
(Hispaniae)

I b POTLRIUM (*Pimpmclloides*) SPACHIANUM Gosson I c 106 f — Planta perennans, raudice sublignoso apice muluupile. Caules plures glabni, in caespitem approximati, 3—4 decimetris longi, ascendentes fere a basi ramosi, inferne squamis (petiolis foliorum emacidiorum) muniti. Folia glabra, inferiora foliolis oblongis vel oblongo-suborbiculatis serratis, breviter petiolulatis superiora immixta, **foliolis** paucis angustioribus. Spicae subglobosae in apice pedunculorum elongatiorum solitanae in corymbum laxum dispositae. Fructus circiter 3 millimetra longus castaneus staminosus ellipsoideus stipitatus, angulis obtuse rotatis, ala indivisa vel subdivisa, dense reticulato-tuberculatus, tuberculis obtusis alas subdequantibus. — Habitat in petrosis regionibus montanae regni Granulosis (Hispaniae).

II pag 520 0375 **UEUCOSIIMEA** *Eckl. y Zeyh*

(Wlps Report V 656)

I L AC AI NOIDCS Prsl Epimeliae p 200 f — Eglandulosa foliis intenuptis pinnatis pinis (5—7) obovato-lanceolatis obtusis aequaliter dentatis, supra adpresse pubescentibus, subtus seuceo-pilosis, laevibus sessilibus, racemis terminalibus axillaribusque multilobis, calycis lacinis anguste lanceolatis acutis, corolla duplobrevioribus. — *Isotria acaenoides* L. Mojer. — Habitat ad Caput bonae spei.

II Pag 520 6376. **TETRAGLOCHIV** *hnze*

(Wlps Report V 656)

I T BUXIFOLIUM Pisi Epimeliae p. 200 f — Spinis axillaribus rectis, apice furcatis, **foliis** obovato-cuneatis obtusis nervis coriaceis plants in petiolum angustatis, fructibus axillaribus subsessilibus quinque — sexalatis, alis laevibus membranaceis reticulato-venosis. — Habitat in Gordillens Chilensis.

ii Pag 520 6378 **MARCTYRICARPUS** *Rz. Sf Pav.*

(DC Piodr II 591 — Wlps Report II 44)

I M JMDEHDIS Prsl Epimeliae p 200 + — Fruticulosus ramosissimus di/Tus **foliis** ovatis pinis apice nudis, fructibus ovato-ellipticis plano-compressis rugoso-reticulatis. — *M. selosus* Bertero. — In Peruvia et in insula Juan Fernandez.

II Pag 520 6379. **UIOXOGRAPHIDIUM** *Prsl*

(Prsl Epimeliae p -202)

Flores monoici *Masc.* Calycis tubus brevissimus, limbus infidus deciduus, lacinis ovatis mucronatis nervis. Petala nulla. Stamina 13—15, filamentis filiformibus, antheris cordatis obtusis emarginatis bilobulatis. *Foem* Calycis tubus ovalis sulcato-angulatus, **limbus** trifidus deciduus, lacinis lanceolatis acutis tenuissime nervis. **Ovarium** unicum. Stylus unus erectus glaberrimus, calycis hinc aequilongus. Stigma elongatum barbato-plumosum. Fructus ovalis sulcatus drupaceus siccus indehiscens monospermus. Nucleus coriaceo-hirsosus sulcatus fructu conformis. Semen nucleo conforme erectum. Cotyledones oblongae foliaceae. — Fruticulus Capensis: ramis foliisque sparsis, foliis sessilibus trifoliolatis, foliolis lateralibus sessilibus obliquis **semicof**

dati ovato-subrotundis, medio subsessili obcordato mucronato minon, omnibus tenuiter conatis reticulato-nodosis denudatis; stipulae in vaginam brevissimam truncatam connatis; florus in ramulis brevissimis terminalibus saepe binis.

¹ "M OBOHDATUM Prsl. I c f — *Cufforta obcordata* Linn ill Suppl. 429 — *Cliffortia obliqua* Spreng. — Habitat in Capite bonae spei

». Pag 520.

6385A. **OHEO6IA** *Engelm.*

(Engelm Sktch. of the bot «of Wialil. exped 30 ndn)

Calyx tubulosus quinquelobus imbricatus. Pelala 5 calycis fauci inserta. Stamina numerosissima cum petalis inserta. Ovaria plura fundo calycis inserta 1- rarius 2-olulata, stylus villosus deciduus; stigma nudum; ovulum supra basin ovarii placentae lateral) insertum anatropum. Achaema villosa ecaudata; semen unicum erectum, embryom ladicula infera.

¹ GU RUPESTRIS Engelm. 4 c. adn. — Fruticosa. folis parvis cuneatis truncatis denudatis, stipulis adnatis, florus solitariis rosatis vel purpurascens odoratis. — In Mexico

II Pag 521.

6387. **COWAHTIA** *Don.*

(Wlps Repert V. 657)

¹ C ' Engelm Sktch of the bot or Wisli7 exped 20 ndn — Fruticosa folis aggregatis parvis cuneatis, apice tudentotis revolutis, infra tomentosis, supra glandulosisque odoratis, nervis tubo tubinato, lobis oblongis, linearibus longis, nervibus 25 persistentibus, ovario enciter 5 lanatis. — In Nova Mexico

" Pag 522

6396. **KAOK1TKCHIA** *Bz. ^ Pav.*

(DC. Prodr II. 547. - Wlprs. Repert. II. 52)

¹ K AMYGDALIF0UA Prsl. Epimeliae p 195 f — Folis oblongo - lanceolatis acutis callosa-imbricato-serratis glaberrimis, basi in petiolum brevissimum angustato-decurrentibus, ramulis novellis glutinosis; florus masculis corymbosis, calycis lacinis omnibus pubescentibus. — Habitat in montibus Peruviae.

II Pag 522

6041. **WKURADA** *Juss.*

(DC. Prodr. II 548. - Wlprs Report II. 52)

¹ ' N PROCUMBENS L. - DC 1. c. — Wlprs. 1 c - Wghl Icon plant. IV tab 1596

Ordo LXXVI. POMACEAE *Lindl*

II Pag 523

6350. PHOTIMA *Lindl*.

(DC Prodr II 631 - Wlprs Report II 56, Annal I 288)

- I PH SAMCIFOLIA Pi si Epimeline p 204*f — Foliis oblongo-lanceolatis remote icute-que senalis brevissime et recurvato-acuminatis, basiacutis, utrinque glabris, coiyombo terminjli composito glmbro, pedicellis caljcc brevionbus, calycis dentibu^ ovitu arutis tuho birvioiibus — Habitat in California ad Monte Rcy
- II Pag 523 no Z — CRATAEGUS MYRTIFOLIA Pi si I pimeiae p 203 f — Spinosa loins connceis obovato-lanceolalia ocutis oblusisve crenatis, bnsi inlegei rums in peliolum bnvissimum dngustaiis, coiyombis paucillons cahceque pubescentibus, cnlyus lacinus ovaio-tuangularibus acumm His eiecio-patcnubus, stylis quirique, stigmalibus turns — Habitat in montibus Huanoccensilws Pertmae *
- 3 CHATAKUS DMRFSSA l'rs1 1 cil p 204 f — Spinosa folns tonaceis obovaio-ijnceolatis obtusis letiHisve cnlloso - serrulatis, in pctiolum bievissimum angustatis, subius pubescentibus, coiyombis pautillous pubescentibus, calycis seucto - >ub< centis sinubus villosis hcimis ovalo - tnangularibus subuluio-acuminatis patentlsbimis stylis quinque basi villosis, sliginate glabio — Habitat in montibus Huanoccensibus Peiuvne

Ordo LXXVIIH. GOMBRETACEAE *R. Br*

- II Pag 524 no 4 TERMINALIA IILMIGNOSTA Sieud mss in Ferret el Galimei, Voyage en Abyssime Tom III p 135 no 68 — Foil is ovalis, jumonMis sencco-canescen- centibus, adultis pngina supenore glabrata, margine mtegrnmo ner\oque medio cam? pagina infenoie tota sencco-canescen- te, spicis florum cyliodncis axillanbus simpl>cl' bus folio longionbus — Habitat in Ab)ssima
- 5 TKRM^ALIA POLYANTHA Prsl Epimeliae p 213 f — Ramulis subopposms pel¹⁰, lisque pubei ulis, folus oppositis altermsque ovato - subrotundis obtusis cartil/ig>ne⁰, mirgmalis ciliatis glabiis punctis magm> innequalibus subpellucidis instructs pelio¹⁰, que brevi eglandulosi, basi obtusis rotundaisve subcordatisve spicis axillanbus t^or, imnalibusque pamculatis fliformibus, pcduncuhs rbacbique tomctosis, br ac, ie, s lineanbus obtusis glabnuscis ovario glabro aequilongis, caljce extus glabro, fructu^o sub ovalibus biaiatis — Habitat in insula Mindoro Philippinarum
- 6 TERMINAL IA PARVIFLORA Pi si 1 c p 214 f — Ramulis suboppositis penob⁶, puberulis, dcum glabns, loins oppositis altermsque glabns ovalo- ellipticis o^b, basi acuus, saepe inaequalibus obscure pellucido-punctaiissimis supra puncticulis >aiis albis crebeinmis mslructis, subtus fusco-venosis petioloque eglandulosi, ^op, icia, rha axilianbus terminalibusque pamculaus niiformibus folium aequanlibus, pedunculis

- chique tomentellis, bracteis ovato-subrotundis villosissimis mimmis, flonbus obtuse quinquefidis, extus glabrib, fiuctibus obovato-orbiculatis bi — tnalatis glabris — Habitat in msuh Luzon
- 7 **TERMINALIA NITENS** Prsl I c f — Folns allerms gtaberrimis obovatis, saepe brevissime abrupte Acuminatis retusis, supra nitidis in petiolum modio biglandulosum angustatis, rAcenrn folium aequantibua glabns, cilyre acute quinquefldo, inlus villosissimo. — Habitat in insu/a Luzon
- 8 **TERMINALIA PFI LUCIDA** Pr*1 I c f — Folus alterms obovatis idusis glabns in peiolum apice bi — inglnndulosum eglandulosimve costaque dense pubesentem angustatis pellucido-punctitissimis, iacemis folium aeqmubus glabns aut vix puberulis, calyce dcutt qumquefldo mtus viHosissimo — llabilal in insula Luzon
- 9 **TERMINALIA AVICENJNIOIDES** Guill ft Perr — Wlps Repoit II 61 no 4 -Gallinier & Ferret Vœ en Abyss III 133 — *Teimmalta Schimperiana* Hochst mss

II Pag 524

6077. **PEHTAPTEBA** *Rxb.*

(DC Prodr HI 14 - Wlprs Report II 62)

- 1 **P. MOLIIS** Prsl Epimeliae p 214 f— Folus oppositis petiolatis obovatis abrupte acuminatis obtusis integerrimis in petiolum apice biglandulosum nudumve angustatis, utnque pilisiufls adpressis nilentibus densis molliter pilosis demum supra glnbrescentibus, supitmis spirsis, spicis axillaribus solitams folio brevioribus flonbusque tomentosovelutirus, brncteis lincnibus fugacibus, ovano globoso aquilongis, flonbus giomeratis — llabint in insuh Luzon
- 2 **P. GRAGILIS** Prsl 1 c f—Ramis giacilibusfloccidis peiolisque pedunculisque dense pubeceniibus, loins temaio-vrticjllaus brevior peliolalis acuminatis aculis integerrimis glabris, basi aculiusculis biglnndulosisque, spicis axillaribus solilaihs lolio duplo brevionibus aut teiminolibus vcticillato - panitulatis, bracteis linean-selaceis fugacissimb ovicino longionibus, supia glabris, subtus flonbusque densissime pubescentibus, calycis lacinns acunuoatis — Habitat in Marubama ad Moulmine
- 3 **P. PYRKOLIA** Pi si 1 tit pag 215 f — Ramulis apice spicisque tomentosis, folus oppositis altermsque pctiolatis oblongo - lanceolqus obtusis integerrimis glaberrimis, in petiolum longiusculum eglandu»Osuni angustatis, subtus glaucis, spicis axillaribus folium aequanlibus, bracteis lineabus acuminatis tomentosis, ovano duplo longionibus, apice reflexis, calycis densissime puboscemis lacinns acuUs — Habitat in Martabama ad Moulmine

II Pag 524

6079 **CHUIfCOA** *Bt \$ Pav*

(DC Prodr III 15 — Wlprs Aepert II 63)

- 1 **W. JLAVESCENS** Prsl Epimeliae p 215 + - Ramulis apice spicisque flonbusque tomemoso-pubescentibus, folus oppositis sparsisque petiolalis obovatis obtusis relusisque integerrimis glaberrimis, ad basin m.nuie biglandulosis, subtus ad axillas nervorum laterahum barbatis, spicis flonferii folo d.midio, fiuctifens duplo long.onbus, bracteis lauceolatis aculiusculis ovanum subaequaniibus, calycis qumqueUdi lacinns obtusis, fructibus inaequaliler quinqueahis pubescenlibu*, alls lateralibus semioibiculatis - Habitai in Biasilia ad Rio de Janeiro

If Pag 525

** Asiatica

20 COMBRETUM STL1 LIGERUM Prsl Epimoliao p 215 f — Ramuhs alterms cosiaque nervisque lohorum subtus spicisque squamulis stellatis adpressis tomentosus, folns alterms pctiolatis oblongo-lanceolatis acutis, supra glabris, subius pili& stellatis ad sper&is basi obtusis* supra basin ulnnque glandula oibiculata roncava mgncanle instiuculis, spicis folio duplo brevionbus, bracieis ovaiis aculis, ovano feie duplo longionbus, flonbus pube stellate mmuli tomentosus, pelalis obtusis, txlus dense pubes tentibus, calycis lacimas obiusas acquanubus, stammibus calyce duplo longionbus — Habitat in Martabama ad Moulmine

21 COMBRETUM SQUAMOSUM Roxbg

vir P *Luzomcum* Prsl 1 c p 216 f — Squamulis foliorum subtus minonbus et minus copiosis flonbus duplo nmjonbus — Habitat in insula Luzon

ji Pag 526

6089 %UIS<|17AI<IS *Rmph*

(DC Prodr III 22 - Wlprs Repert II 68)

I QU LONGIFLORA Prsl Cpimeliae p 216 f — Ramuhs, peuolis, costa foliorum nervisquo subtus ovanoque pube adpiessa velutims, folus breviter petiolatis ellipticis acuminatis acutis ciliato - pilosis pellucido - punctitissimis venulosisque, supra albidogranulato-punctatissimis, subius ad axillas nervorum lateralium barbatis spicis terminalibus pamculatis, bracteis obovato-ellipticis abiupte acuminatis, o\ano brevionbu8> talycis pubescentis tubo longissimo dontibus acutis reflexis, petalis oblongis obtusis-sinus emirginaiisve piPntissimis puborulis — Ilibitat in Martnbama ad Moulmine

II Pag 526

6095A SCHE %DE]irDRO]¥ *Bertol fil*

(Dertol fil Illustratione di piante Mozimbichcsi I 12 tab 4 A B)

Calyx tubuloso-turbmalus, tubo longiusculo, fere lotus conferruminatus cum receptaculo, extus glandulosus subpilosus, intus in tota fauce hirsutus, apice quadndenlalu^, dtntibus tnangulis ciliato-barbellatis, in aestivatione valvatis Petala quatuor p?ngyna exigua, inserta m ora e\trema hucis calycipae, et cum dentibus calycis alterna obovata ^el obcordata unguiculata, alba, dentibus calycims longiora> eliam duplo Stamina octo, serie duplici, supenora orta paulo infra petala inter hisutiem faucis calycinae pelalisque opposita, in fen ora orta iH*^{c0} infra hirsutiem et dentibus calycis opposita tilamenta libera subulata glabra crassiuscula flexuosa, ante anthesm incurvata, postea erecta et extra corollam exserta Antherae parvae subrotundo-ovatae albae bilo* culares erectae, cum apice filamenti basi ai ticulatae deciduae Ovarium superum exiguurn subrotundum Stylus filiformis longitudine stammum flexuosus glaber Stigma simplex incunum Gapsula fere magnitudioe nucis *Mynsticae*, o^ata acuta, submde obtusa tomentosula unilocularis quadnvalvis quadnsulcala, lobis inter sulcos extus convexis, inlus concaMs longitudinahter in valvam dehiscentibus, sulcis subslantia elevata iugoso-lacunosa diremptis Pencarpium potius crassum, siccitate in* duratum, et veluti lignescens praesertim in facie interna Amygdala totum locnlum jmplens, quadnsulcata et quadnloba more pericarps sulcis nma longitudinali angustissima, parum profunde divisus Reliq''^a

subslanlia lptenor coniigua, tota maeandnformis, intra aquam per aliquot dies emollita exhibens maeandros albentes uniformes circumseptos cellulis exiguis lutescentibus pellucidis, sub vitro hexaedris, in statu MOCO veluti ccraceos, pallenles, pulvere luteo interstmelos. Embi>o et situs ignoti Odor fiuctus sicci aromatico-balsameus, quem odoicm effundunt ctiara paites floris et butyium, quod ex fructibus obtinetui

- 1 SGII BUTYROSUM Derto) fil I c — Rami terctes oppositi rubescentes tocti epidoinude, quae in sicco facile scinduntur, suporne rcurvo-penduli, jumores pubescente* Foba opposite, breviter potiolata exstipulata elliptico-oblonga, terminate cuspidie bievi, plerumque in latus curvo, basi emar^mau, subcoiucea, iiiiegerrima, majora duos pollices longa, sesquipollicem lata‡ supra glnbra saturate vindia, subtus pallidiora et punctata glandulis exiguis diaphams aibidis, in sicco umbilicatis, umuervia, neivo pubescente, alterne venosa, vems inter se aequidisUintibus, suisum incurvis et apice, •ireu facto, invicem conflueulibus, pilosulis inter venas pnraanas transverse vcnulosa ^picac densiflorae cylindraceae orassao breves obtusae pedunculalae, terminates lamis plures, approximatae, spicam compositam sistentos, partialibus oppositis, plerumque sins in axilla folu exigui, laterales aiillares solitanac, folio breviores Flores parvi .MUCI in spica ferules, reliqui abortivi decidui. Pedunculi pubescentes — Mozambique

Ordo LXXXI. OENOTHERAEAE *Endi*

H Pag 531 no 3 JUSblAEA COSTATA Prsl Lpimeliae p ^17 + — Heibacea glnbra erecta caule coslalo, tolns bieiviter petiolatis anguste lanceolnlis, utnnque acutis ciliaiis pellucido - punctatis, in costa puberuhis, pedunculo peliolum aoquante, calycis tubo basi minute bibracteolalo r limbi lacinun ovatis acutis palmato - qumquenerviis ciliolatis in nems puberulis, petalis calycis limbo dimidio longionbus hto ohovatis pinnatineiMis capsulis cylindraccis octonervus glabeinmis — llabilal in insulae Luzon provincia Laguna

11 hng 532 6113/., CORYSTOSTICUIIA *Prsl.*

(Prsl Epimeliae p 216)

Calycis tubus obcomcus cum ovario connatus, limbus quadnpartitus deciduus, Jacimis per aestivationem imbricatis. Petala quatuor tugacia Alumina oculo, calyce breviora, filamentis subulato-hneanbiis, anthers "earibus, infra medium dorsi affxis introrsis, filamentis longionibus "varium quadnloculare, locuhs multiovatatis. Stylus brevis conicus C13ssus, basi Imeis quatuor hippociepicis hirsutissimis cum calycislacim> allernantibus lnstructus, excepta basi persistente deciduus Stigmd Ovale obtusum magnum Capsula obcomca, basi styli conica truncata ^Oronata, quadnloculaiis polysperma, apice valvis quatuor dehiscent *> ^emina placenta centrali affixa. — Herba aut suffrutex Brasihana faulis ramosus ramisque sparsis tei etiusculus et pih< mmutis pubtscens hola sparsa sessilia ronacea lanceolata pmnatinenia Hoies a\illaies, ln r aceinum teimnalem pauciflorum dispoaiti, pedunculati, pedunculo

.4)ice bidcteuhs quahioi pei paria opposila disposilis mshucto Tubus rdhcs rnervi^, Inuni ic deiapsac cicatrices linearos transversal dere- hnqcnles Pctala luted

I *C JUSSIAtOIDLS Pisl 1 c f - IhibitU in Brasiln

II Pig 531 no 4 CPU ODIUM L\M\I F Schuh/ Flon (Allgem bot 7cit) XXXIII I> 200 — Hjdice innua vel subhitnni, subperpeiidiuhn, tibiosd ad cmilia basin (pnmo anno po&l fioiesrentiam) folioium losuUun 1 (iiiiJii> 2) profeicnie, stolombus iuillis, caule stnctissimo (recto inferne glnbio, superne pubeinlo, teietiusculo, lineis i vel 4 vix conspicue elevatis decuirentibus subliliter anguloso, folns glabm lucidis hnLColatis e basi rolundila sen<ini angustntis rdtnote denljculdlis, breviiqr petiolalis maigmibus pctiolioium in linear cdulis decurreniibus, flonbus semper eiectis, semini- biib subilissiint et vix conspicue tubeiculatis rotundato - cylmdncis, basi npiceque jotiindato-oblusis — In Pnlatmatu

II Pag 534 no 1 ZAUSCHNERIA CALIFORNIA Prsl — Additur Lindl Journ of the hortjcult soc III 241 (c ic x>logr)

II Pag 535

6125/x C % R I i E % Prsl.

(Prsl Epimeliae p 216)

(alycis tubus ovano adnalus conico-cyhndncus bicvis, lunbiib quin- ((ucfidus peisisttns, ldcmus aelivationc imbncaiis. Coiolla penta- pelala, pelalis obovatis ima basi cohacrentibus elquemadmodum coiolla juonopctala dtciduis, acstnacione lmbncatis. Stamina 60—70, petalis infia medium Imea lecta insuta, lilamentis paiallelis plams hneanbus corollam aequanlibus, antbens cxlrorsis ovalibus biloculanbus basifixis, locuhs lon^iludmaliter delnscentibus paiallelis Ovanum iniemm ~~tilo~~ culaie, locuhs uni — bio\ulaljs, ovuhs pendubs Stylus fibfoimis iectub ptisistens Stigma capitalo-subglobosum Bacca ovalis, calycis limbo btyloque coionata, tnloruldiis, loculis monospermis Semina lineaii- cylindracea, angulo cent)ah sub apicc loculi aflixa cxalbuminosa, cotv- lcdonjbus elongalis Imcaibu*?, embiyonr recto minuto, ladicula rectius- cula brevi — Arboi I uzonica • lamulis angulatis, folns oppositis altei- Disque petiolatis conaceis pimidtinerviis, race mis in ram is jam defolia- lis provenientibus, fionbus sparsis (rauus oppositis) sessilibu& bractea pcisistente sufTultis albis

J *C. OBLONGIFOLIA Prsl J c p 217 f — Habitat m provncia llocos msulae Luzon

II pag 535

6131A G A I B O P S 1 S Prsl

(Prsl Lpimeliae botanic -^19)

(alycis tubus cum o\ano connatus, acute octangulus lineans. limbus quadnp^rlitus reflexus cum apice tubi bemispbaenco ampliali deciduus Petala quatuor unguiculata obovata Stamina octo eiecta, alterna dupl° brevioia tilamenlis hnean-bubulatib basi intus barbatis, anthens cordato- linennbus oblusis Ovarium quadnloculdie muUiovuUdlum, ovulis placentae

centrali affivis. Stylus simplex. Stigma obtuse quadnloburn, supra densissiroe papillosum Capsula octonervia, quadnioculans polysperma Semina placenta centrali affixa, obovata. — Herba annua Mexicana, excluso calyce lmsuto glabemma caule tereti, folns sparsis remote denlatis; 11 on bus axillanbus sessilibus solitams mediocubus caeruleis.

¹ "G LANCIFOLIA Pral I. c. f — Habitaijn Mexico borealf-occidentali

Ordo LXXXIU. LYTHRARIEAE *Juss.*

¹ Pag 539 no lb LYTHRUM SALZMANNI Jordan, Obsciv V 42 f tnb. 2 fig B — Pleura solitaires a I aisselle de prcsque loutes les feuilles Pidicelle court, mum \ers k* milieu de deux bractdoles lmtaires - lanceoles qui le d< pa&sent uo peu Calice a tube linlaire, d abord un peu dlargi ou sommet, a la fn egal, a 12 dents ti&cs-couites, 0 externes ovales-obtuses, riessges, un peu rudes, 6 internes ovalea-aiiondias, hispides à la pointe Pe'tales 4—6, ossoz penis, purpurms, obovalcs-oblongs, i directs en onglet jnundre Etamines plus courtes que le tube, 'inscree vers son tiers infi'neui Style fgal a I,ovaire, non saillant Stigmate capitu a papillos assoz courtes. Capsule oblongue- lin<oire, obtuse, a peine &go\o au tube, s'ouvrant nu sommet en 4 valves ties-tomtcs Grnines oblongues, n trecies un peu au sommet et davantage à la base, de couleur pale, conveies sui la face externe, aplames sui lautie Feuilles presque toutes alternes, iiregulierement distanies, etalees-dejeU'es, oblongues, trts-obtusps attenutJes infeneurement, d'un beau vert, peu visiblement dnciuc<Ses a la marge Tige dressoe flexueuse, ti&cs-ramiflte un pen au-dessus de la base, nngulcuse presquo ailtie, glabre, romeaux tr&cs-etals, la plupnrl trus-contournes ou dejeWs Racine annuelle, tr&cs-rameuse Plante de 1 à 2 dtctm — *L tubiacteatum* Slzm in DC Piodi !U 81 — *L dibroclcatum* Guss Syn fl Sicul. I 526 — In Gallm australi prope Mon-
spetium

t Icon addenda.

¹ GEMINIFLORUM BerloL - Jordan, Observ. IY. 40. tab 2. flf. A. 1-9

II Pag 53&. **6144. PEPliIS fmv.**

(DC. Prodr HI 76 — Wlprs Repert H 101)

¹ p nonOEI Gutp m Jordan, Obsciv HI 81 t wb 5. flg B 1-13 — Fleurs sol.tni.os
d 1 aisselle de piesque toutes les feuilles. Pudicelle court, mais assez \lsible, muni
(le deux petites bractees hispidules qui n atteignent p< la moitié du tube du calice
•'uctifere Cuhce a tube exactement campanula, assez Clargt a l'ouveiture, aussi long
We large, a dents couites, rudes-ciliees, les inteneures ovales subitement acummees,
le< exteneures hneaires obtuses P^tales tres-petus, d un assez beau rouge, devenant
l'o&es en vieillssont, assez peisistans, rarement nuls, de forme ovale arrondie, un peu
letr4cis a la base, a onglet presque nul Etamines rigalant le tube, a Diets insms
v*rs son quart infeneui, blanchatie a la base, puipunn» au sommet, a antheres ovn-
l<<-nrrondies, d un jaune veidâtre Ovaire ovale-elliptique, htmsse' de longs poils
sl)le presque tgal a la mouie de 1 ovaire Stigmate veidâtic, mum de papilles alloa-

gdes parais»ant un peu rayonnantes Capsule arrondie presque aussi large que longue, tgaht ou dbpa^inl a peine le lube du calice, ldoisons as^ez minces, un pen toiu-licuses i dchiscnce ordinanemeni sepiicide Graines obovtes, d un brun clnn parais-sant presque lisses, disposes sui plusicurs rangs rapproclics au milieu du p'aceniaiie qui est un pcu renfit Cotyledons oblongs, rttiCcis à h base Feuilles loutes alter-nes oblongucs ou ovaies-oblongues, obiuses, un peu iiue'cis au sommct et bien da-vantgc a la base flnement iudes-ciln'es sur les bords Tige dresstie, a rameaux nonibreux flexueux, ou tics-souvent touchee el radicanie tits • flnement hispidule Raone grtle annuelle. Planie dt petue laille, paraissant glabre, mais vue a la lodpe, paisemiie sur la tige les nervures el les boids des feuilles, ainsi que sur les nervu-res et les dents du calice, de petits poils assez raides — In Gallia occi den tali

Z p TIMEROYI Joidan I c 83 f tab 5 lig C 1—16 — Fleurs solitaires a 1 aisselle de presque toutes les feuilles Pe'dicelle tits-court, presque nul, mum de deux bractees >eticises, un peu rudes, dopassant la moitit du tube du calice fiuctifcre Calice a tube cimpanul-cylindnque, tvidemment plus long que large, i dents assez longues, ii(S-pcu rudes-cilites, glabnuscules, les inteneures ovales, aiguës, dabord dresse*es iu moment de lanthtse, puis inclinees immedntement aprcs et refeimant incompl'i' lement l ouverture du lube, rediesbe'cs ensuite npius la maturation, les ezienneures ttroiiement lineiires allongtes, un peu aiguës, ircs-etaltis Pctales tres-petits, pur-punns, obovalcs-arrondis, trts-souvent mult> Etamines plus courtes que le tube, a fileis bliinclntres, inseits veis son emquume mfericur, a anlhtres ovales - arrondies Ovaire ovale-oblong, dun jaune livide, herisst de petits polls Stvle egalant a peine le quail de lonue Stigmnc a disque dun blanc verdatre, mum do papilles très-iourtes peu visibles Capsule ovale-elliptique, un peu plus longue que large, e*galant a peine le tube du calice, s ouvrant distmctement au sommet en 4 valves Phcentaire assez allonge, peu lenflt dans le milieu Graines obovtes-oblongues dun biun da<r, paraissant lisses ou scabnuscules, disposes sur des rangs très-serrts Cotyledon* oblongs, obtu», r^ticcis a la base Feuilles toutes alternes, oblongues-bove'es, arroD-dies et tus-obiuses au sommet, ie*ti«cics infe'neurement, a pubescence presque null^e Tige dresse*e ou couchee, ties-rameuse, souvent radicanie ainsi que la partie m^*neure des lameaux, munie de petits poils dparc a peine visibles Racine grSle a^*nuelle Plante de petite taille, plus ou moms allongee comrae ses congenères, ?^{ia} bnsucle, i pubescence rare et peu visible — Prope Cbassigny ad Rhodanum.

t Iconea addendae.

PEPLib MJMMULARIFOLIA Loisel - Jordan, Observ HI 85 f tab. 5 fig D. I. *³
PLPLIS PORTULA Linn — Jordan I c T9 f tab 5 flg A 1—13

I! Pag 510 no.3 CUPHEA VIOLACEA Rgl Floia (Allgem botan Zeit) XXXIIL p 35* ^
Fruticulosa ramosa ramis hispidulib, folus lanceolatis breviter petiolatis, ma ff *
scabns, supra glabns, subius in nervo medio hispidulis vel glabns, flonbus solitarus
pedunculatis mtrapetiolanbus, folio longionb^s, calycibus hispldis, basi calcare brev
incuivalo dtniibus extenonbus in anstam desinentibus, parvia, intenoribus ovatis ex
icriores duplo supeiantibus, poialis 6, duobus supenonbus majoribus, Stamina i*
aequalia basi villo albd obtecto — Habitat in Mexico

Ordo LXXXV. MELASTOMACEAE R Br.

\\ Pag 574 t Specie* non natlii nota addenda.

18 ARTHROSTEMMA FRAGILE Lindl Journ of the home soc 111 74 adn ft 75 (c ic)—
Ramulis tetragoms disianter glanduloso - pilosis, folns ovato - cordali9 ncuiis qumque-
neivus argute serraus, cymis lazis terminahbus dtstantei pauciflons, cahcis lubo obo-
vnto-oblongo glanduloso, peialis oblongis concavis mucronulans, antherarum calcare
bifldo — Mexico

¹¹ Pag 582 no 59 (?) OSBECKIA HISPIMSSIMA Wglu Icon plantar IV lab 1612 -
Suffruuicosa erecta ramie tetragonis, sens rigidis inflexis dense vestitis, folus subsessi-
libus ovali-lanceolous ulnnque acutis qumquencrviis, utunque bispidii, praecipue subtus
invents, pifis ciassis ugidissimis, oaulims similhmis, corymbisternalibuspauciflons,
calyce stellmo-hispido 4-fldo, lobis cilialis, pctalis quatorms magnis patenlibus, stami-
nibus octonifl, anthers ft acumen longum prolongatls — Habitat m India onentali

li Pag 598 Post *Monochaetum* addantur genera et species sequentia in
Annalium scientanum natuialium to mo decimo quinlo desenpta:

LIV (6205.) MAK CETIA DC.

{*Varcchae* et *Cliactostomatis* spec DC Piodr III 124 et 112 — Naudin, Ann des sc
natur [Ser 3] XV p 43)

A Capsula 4-valvis, dentes calycini peisistentes, connectivum infra
loculos immediate bilobum Species genuinae.

¹ M LATIFOLIA Naudin I c 44 et XIV tab 7 flg 3 — Suffruliculosa erecta
parum ramosa, pro genere macrophylla caule ramisque obtuse 4-gonis, molliter hir-
sutis, folns pcnolalis late ovatis intordumque subiotundatis aculis aut subobtusis, ar-
gute serrulatis 3-neiVus, pagina utraque brevissime puberulis, floribus ad apices r'amu-
loium ttrminahbus terms — Planta videtur suffrmescens — Habitat in Brasilia septen-
irionali prope La Jacobina

² M CANLSCENS Naudin I c. XV. 44 — bulTi ulesceris vel frutescens ramis jumonbus
4-gonis, vctusttonbus cxcoualis et glabralis, folns brevissime peliolatis late **ellipticia**
ovausve subacutis seirulatis 3-nervjis, ulruque pagina canescenu - tomeniellis, floiibus
^Qd apices lamuloium soli tan is —terms — Habitat in **Biawlia** septentnouali prope la
acobina

³ M ANDICOLA Naudin I c — Frutescens ramis jumonbus 4-gonis pubeiulis, vetus-
Horibus exconatis et glabratis, folns sub9essilibus cordiformi - ovalis acutis inlegeiri-
n^{us} margmibus revolutis ideoque pnmo intuiui sacpe tngulanbus, 3-raijiis 5-nervjis,
utraqe pagina lenuissime puberulis *mierdumque quasi* glabratis, floribus omnibus **axil-**
laribus solliams, ranus bims aut terms — Habitat in reip Venezutlensis provincia
Merido, ad altitudinem 2300 meltr

1...

- 4 M RORDIGFRA DC Prodr III 124 — Naudm 1 cit 45 f — Fruticosa ramosissima ramis jimonbus 4-gonis pubcrulis vetustionbus excoriatis glabialis, folus sessiibus subsessilibusque tngulalai-ovatis acutis, basi saepe cordatis, margimbus revolutis intei nmis 3-ncivns, utiaque pagina glanduloso-pubeiulis, flonbus axillanbus solitanis saepe racmosis purpureis am albis — Habitat in Brasiliae austialis provincia Minas gera&s
- 5 M JUNIPERINA DC I c - Naudm I c — Praecedenti et praesertim vanetati *taxifoliae* similluna, sed **folia** margimbus ommno revolula sunt et tune omnino acerosa videntur et icutissima Nulla caeterum exstat differentia quoad slaturam, vestilum et norum fabneam, ideoque meram viiietaiem esse *M coidigeiae* exislimatur — Habitat in lepublicn Venczuclensi pi ope Cumna
- 6 M TENUIFOLIA DC I c — Niudin I c — Fruticulosa ramosissima ramis vetustioiibn? tortuous et excoriatis; folus minutis patentim decussatis sessilibus acerosis (piopter miiginum levoli^lionem) incur>is uninerviis, pube Lomentifoimi canesceniibus, flonbus axillaubus solitanis — Planta a *M cordtgera* nisi Tolns brevionbus et acerosis nullo modo distincta cique in posterum vensimiliter coniungenda — Habitat in Brasilia mendionali
- 7 M DFNLDATA Naudm I c 46 f — Fruticulosa fastigiato-ramosissima scopiformis, ad apices nmulorum densissnue foliosi, caeterum omnino d«nudata ramis velustioubus lortuosis exconntis rubiniibus, folus sessilibus minutis iimneivus, marginum revolntione lincaibus oblusis canescenti-tomentellis, flonbus ad apices ramuloium axillanbus tciminalibusque subsolliarus — Habiat in Bras&n septentuoiali pi ope La Jacobini

B. Capsula 3-valvis, denies calycini persistentes; connectivum **mfia** loculos attenuatum nec bilobum et a loculis vi\ distinctum Species genuina depauperata

- 8 M ACEROSA DC 1 c 125 — Niudin I c 46 + — Fruticulosa humilis caespitose ramosa microphylla oligantha hirtella caulibus basi decumbendbus, ramulis erectis; foliis sessilibus carnosuhs oblongo-ovatis acuus tenuissime inter pubem piinclulatis, Q^oribus terminalibu9 solliarns purpureis — Habitat in aienosis montium Serra do Curmatahy in piovincia Minas gerats

C. Capsula 3-valvis, dentes calycini demum decidui. Species generis subheterogena.

«» M rVIIINATA Nniiilin I • 47 | — I-mill iilomi inniONIMhinn fi i ti jrliihai i Ini • follife »««»iliiMi. M.In.ill- «.i...«.II- iitiiiKliIN Mf0i««l» *nulilm* fuiKi aupnrioi •• i nunll . .I .11. t>rnili>i . . . IIIIIM mniHiiHi II0II riiv >luio Itrovllur olliululla, cuoleium gllliblls, II0I JbUS ad apices rnmorum solitnrns, copsulis 3-volvibus, dentuoi m dichotomic **alaribus** — (*harlottoma teci astichum* D< — Mm I Sov gen ft sp pi III. tab 264 —/f*heato circo-ulta* Spiong — Habitat in Uiasilia sepienntonali prope Bahia

Species Addenda.

- 10 M LXFORfATA Mart

t ipeolea exelusa.

M SERTULARIA DC. = TETRAMERIS SERTULARIA

11 Species paene tgnotae.

M 1)ECUSSATA DC - An TRTRAMERIS VfSCIDULA^

M. TAMARISCINA DC - Fortassis mero M CORDIGERAE vanetas

*Genera incertae sedis.***LY. BIOBTYCHA** *Naudin.*

(Naudin, Ann. c. natur. [3. Ser.] XIV. tab. 7. fig. 4. & XV. 48.)

Flos 4-merus. Calycis dentes magni subrotundati apiculati, tubum campanulatum longitudine aequantes caduo. Petala obovato-subrotunda retusa. Stamina 8 aequalia, antheris reclusis vel parum arcuatis 1-porosis, connectivo infra loculos non aut vix conspicue producto sed antice in appendices duas calcariformes divergentes diviso. Ovarium semiadhaerens apice libero villosulum umbilicatum 4-loculare. Stylus crassiusculus, stigmatibus punctiformi. Fructus ignolus. — Frutex Madagascarensis: ramis supremis pulverulentis, vetustioribus glaberrimis; Joliis petiolatis late ovatis apiculatis aut subobtusis, basi cordatis, integerrimis 9-nerviis, pagina superiore villosis, inferiore canescenti-lomentosis; floribus ad apices ramorum paniculae brevis corymbiformis glomeratis involucribus* sessilibus. — Genus cum *Dichaetanthera* non confundendum.

1. "D. n. OJRRII Naudin I. I. c. c. f. — Habitat in insula Madagascaria.

LVI. (6227.) DICHAETANTHERA *Endl.*

(Endl. in Wlprs. Reperi. II. 137. - Naudin, Ann. sc. nat. [3. Ser.] XIV. tab. 7. fig. 4 et 5. XV, 49.)

* "D. ATTICULATA Endl. mss. ex Wlprs. I. c. — Naudin I. I. c. c. — *Melastoma arh-tuata* Desr. — *Jousscauxia arhculala* DC. — Fortassis etiam *Melastoma Madagascarense* DC. — Habitat in insula Madagascaria.**LVII. (6226.) MOUSSXAUXMA** *DC.*

(Pfl. II. I. J. 102. — Muhl., Ann. no. natur. [9. Ser.] XIV. (all. 7. U. 6. t. XV. 4V.)

LVIII. AMPHIBIEMMA *Naudin.*

(Naudin, Ann. sc. natur. [3. Ser.] XIV. tab. 7. fig. 7. d. XV. p. 50.)

Flos 5-merus. Calycis tubus oblongo-campanulatus, limbus dilatatus membranaceus mollis, dentibus triangularibus subacutis, paulo infra apicem denticulo exteriori minuto instructis. Petala ovata aut obovata pentajata. Stamina 10 alternatim inaequalia et heteromorpha, antheris internerviis - subulatis uniporosis, 5 majorum connectivo infra loculos longe producto arcuato gracili, ultra filamentum insertionem in appendicem truncatam aut saltern oblongam porrecto, minorum infertilium infra loculos nullo aut subnullo. Ovarium toto ambitu et fere usque ad apicem adherens 5-loculare, apice membranula marginatum. Stylus filiformis, stigmatibus obtuso punctiformi. Placentae productae lamelliformes. Fru-

ctus ignotus. — Frutex, ut videtur, Gumeensis, ramis tetraedris; foliis cordiformibus aculis et acuminatis serratis 7-nerviis, floribus in cymis compositis terminalibus dispositis, inbris aut roseis

- 1 *A. CYMOSUM Naudin I 1 c c f — *Melastoma tymowm* DC Piodr III 147 — Vent Jaid de Malm lab 14 — bcluadei, Sen Ihnnov tab 10 — Loisel Heib delamat tab 135 — *M. cymbova* Sims, Hot Magaz tab 904 — Inhitit in Guinea

Tnbus III PYRAMIALES Naudin, Ann. sc natur. (3 Sér) XV 58

Calycis dentes simplices aut nervo medio incrassato et prominente instructi indocue quasi dupliti Anthrae lineares aut hneari-subulalae bdsifixe unipoliosae connectivo infra loculos non producto, posice interdum luberculo nut lulcaie tenui armato. trulub capsulans, valvis loculi dolnsceib. Scmina dimidiato-ovoidea aut irregulariter pyramidita, rapho hciali hinc excurrente lineata, ranus cochicata

U\ (0180) PYITTUIA Chamisso

(Wlprs Report II 119 - Naudin, Ann sc not [3 S<5r] XV 58 tab. 3)

- 1 P SALMAEFOLIA Cham - Wlprs I c no 2 - Naudin I c 59 f tab 3 flg A - Dichoime inmos. i ramis **hornotinis** tomentoso-hirsutis fenugineis foliosis, vetustioribus miditis et soepe exconatis, foliis petiolatis ovatis obtusis tenuiter crenulatis aut integerrimis innervis tomentellis, pagina superiore virescente immerse reticulata, i^o lenoie canescente, inter nervulos reticulatim prominulos foveolata, cymis 3 — 7-flor⁸ terminalibus, fructifens albus — Habitat in montibus dictis Serra do Fropiovincia^{fl} Minas Geraes in Brasilia
- 2 P PITYROPHYLLA Cham — Wlprs I c no 1 — Naudin I c f - Ramosissima flo^r nbunda submicrantha ramis supremis canescenti-tomentosis, annotims glabialis *taoi* que exconatis, foliis petiolatis ovalo-oblongis subelipticisque, ohusis et subacutis obsolete crenulatis aut integerrimis, latibus saepe revolulis 3-nerviis comceis, pagⁱⁿ superiore glabrata nitente, infenoie tomentoso-candicante paniculis terminalibus contractis densifloris, glomerulos fere mentientibus, floribus auantiacis — *Osbeckia Pityrophylla* DC — Habitat in montibus* aridis provinciae Minas GeintSs
- 3 I* STHIATH I A. Noudm I c M) — tiutlcosa lamosissima Niibmicinnha vistiduln(T) iimii MiiiiiMiniN pulvei uloilo IOHDIKIHIN, vutuntiorlbiiM uxourlaiin, COIUM jiatlolntiN ullp* IMO uv iin uiriii<|uu •ubncullN •iiliolitiiNla(jiio liitMKuiriinla unl 101 IUN ohaolodt ci iimilat* 3 nervils, pagina uupenoiu cilo (flabrata VLTHILOHJS, Infcloro lomoitcllis, cynn^ pauci^{fl} flors terminalibus, calycibus striolatis — Habitat in Brasilia australi

LX (6185.) CAMLBESSEDESIA DC.

(DC Prodr III 110 — Wlprs. Repert II 120 — Naudin, Annal scienc natur [3 Sir] XV 60)

- 1 C WEDDELLII Naudin I c 61 t — Suffruticosa eiecta, tota huto-puberula **caulibus** sunpljebus, foliis teinatis brevissime petiolatis subsessilibus[^] que uiplunium **orbicu** Jaus, basi cordatis, apice obtusissimis cilinto-lorrolatis 5-nerviis reiculatis. **floribus**

ad apices ramulorum axillanum solitanis — terms rubns — Habitat in fruiicetis camporum in Brasiliae provincia Minas Geroes

- * C CORYMBOSA DC I c IK) — Naudin I c f— ducosa ramosa lanus jumonbus 4-gonis, folns ItrcMtr pcliolatis ovato-tlliplicis obtuse, lanus subaculis, obsolete serrulatis, 3—5-neivjis pagina supeiioro glahns, infenore tomentellJis, ilonbus ad apices laincTum cymoso-corjmbosis auiantidcis, cymis frucufens demutn in dichoiomia alambus aut latenlibus — Habitat in campis andis rupestnbusque prounciao Minus Graes
- ³ C TERMINALIS Naudin I c 61 + — Fruticulosa crecla ramosa nucrophjlla raroib tetragonis parce setulosis •>ubglabusque fuliis (adjectis foholis uinmque gemmae axillans) fasciculatis breviter peliolatis elliplico-lftnceohlis, utrmque acutis, trgute infra apicem serrulatis 3-nervus glabris, flonbus ad apices ramorum glomeiotis paucis bicoionbiis — *Habitat in Biasilia* cenrrali, prope urbem Goyiz
- ¹ I JILARIANA DC t o — Wnudin I i bt -f — Fruticulosa n bn*i tamosissima oi Nuupo cuospiosu niiciuplMllii f<ie glubciiiuin inmis junioulius 4 goiun, voiustioiibus (ortuosis, rohi8 bioviter pcliolatis ellipiico-Imceolatib, uinque acutis, infra apicem denticulo uno et alleio instruelis, 3-nervns, adjectis foliolis gemmaruin axillanum fasciculaiis, flonbus ad apices ramorum in cimas disposius aurantiacis — *Bhexia Ihlanana* Knth — Habitat in provincia Minas GeraCs
- J C LSPORA DC I c — Naudin I c 62. + — Fruticulosa ramosa microphylla sessililolia ramia nonmhil virgatis pulverulento-hirtellis, folus (utin piaecedontibus speciebus) fasciculaiis late cordiformi-ovatis acuus pauciserrntis, TIX conspicue 3-nervns glabris, flonbus nd apices rdmulorum dxillnnum brevium tenninalibus soliiianis ideoque laceraose disposals, rarius subpamculatis, flavis aut auranliatis — Habitat m VTOmnia Mmas Gerafes in Bvas\\a

t »pecies adflendne.

- ^h *C LATE VENDS 4 DC I c - Wlprs 1 t
- ⁷ *C PURPURATA DC I c - Wlprs 1 c
- ⁸ *C ADAMANTIUM DC I c
- ⁹ C BIDENTATA DC I c

f f 0peeles exclusae.

- ^c KALbAMIFERA DC = MICROLICIA BALSAMIFERA Mart
- ^c i>P<CORENSIS DC = MICROLICIA SINCOREISSIS Mart
- (CRLNULATA DC = MICROLICIA CRLNULATA M.ul

L\1 (0200) H I I H \ I % i\iitt

{bc Piodi 111 121 — Wjii!> Reprtr II Ufi — Nuudm Ann t>cipnt nniui [3 Sei J XV 63)

Tribus IV. MICONIALES Naudin, Ann sc natur (3 Sér) XV. 66

^t_r Ulycis jmbus, in denies utplunmiim divisus, nonnuinquam in calyp-
^e_x am conflalus aul liuncdtus, sdtppissime duphcatus. Denies exlenores mieioium doiso aut basi enati, illis saepe atquilongi aul longiores,

saepius iamen breviores aut obsoleti et ad punctum seu tuberculum rediunt, imo mteidum omnino nulli Antheiae quoad formam maxime variabiles, plerumque basi hae, apice 1—2—4-porosae, rariissime nunc utrisque duabus longitudinaliter dehiscentes connectivo infra loculos haurit frequentiori producto, saepius antice appendiculato et postice porrecto, saltem incrassato. Fiuctus baccati aut capsulae. Semina multiformia, saepius polyedra pyramidata aut dimidialo-ovoidea et bubieniformia, laevissime margine in alam expanso et cum data, nunquam vero cochleata

Subtribus I. *DISSOCHAETAEAE* Naudin 1. c. 67.

Mantae fere semper fruticosae saepe sarmentosae scandentes interdumque pseudoparasiticae, rariissime arborescentes. Flores saepissime 4-merae, rarius 5- aut 6-merae. Calycis dentes externi in plerisque generibus minuli, ad punctum reducti aut omnino obsoleti, in paucis producti et acuti. Antheiae ut plurimum elongatae, lineares aut subulatae, 1—2-porosae, rariissime nunc longitudinalibus dehiscentes; connectivo infra loculos nonnumquam producto et antice appendicibus ornato, saepius postice basi calcarato aut saltem tuberculato. Species omnes in votis orbis et Oceaniae infulis indigenae.

LXII (6246) *DISSOCHAETA* Blume.

(Wipac Hepert. II 144 V 713, Annal. II. 607 — Naudin, Ann. sc. nat. 13. Ser. XV. 69. tab. 4 fig. 1—6)

A *Ineimes* Naudin I c.

Antherae basi setis destitutae sed appendicibus membranaceis brevibus aut tuberculis ornatae.

- 1 *DIPOLIATA* Naudin I c. 69 f. fig. 1 - Glabra aut glabrata herbifera 4-andra ramis supremis (erectis aut obscure 4-goriis, folis breviter petiolatis ovato-oblongis acuminatis, basi subcordatis 5-nerviis*, paniculis magnis multifloris terminalibus; calycis limbo integerrimo, antheris basi antice membranula brevi insiliatis, taeiis appendiculatis. — Habitat in peninsula Malacca et insula Polo-Pinang
- 2 *AN(* EPS Naudin I c. 70 f. — Tetrandra ramis subteretibus rufescenti-furfuraceis utrumque glaberrimis, foliis oblongo-ovatis oblongisque acuminatis, basi subcordatis, ad utroque nervo submarginatis 5-nerviis, pagina superiore glabris, inferiore pubescentibus, paniculis terminalibus multifloris; calycis limbo membranaceo denudatis 4 exteims hinc ibus inclusis, antheris basi membranula instructis — Habitat in insula Java
- 3 *DIVARICATA* Naudin I c. 70 f. - Tetrandria 4-andra ramis teretibus, supremis furfuraceis rubiginosis, folis oblongo-ovalibus subcordatis, basi rotundatis, praetermisis nervulo utroque marginali 3-nerviis, pagina superiore subglabris, inferiore punctululosis paniculis, terminalibus multifloris, calycis limbo subintegerrimo, antheris antice ei positis appendicibus 4 multistitutis — *Melastoma dwancatutum* DC. Prodr. III 150 - *Melastoma dwancatutum* Willd. Spec. plant. III 596 - Habitat in orientalibus

- ⁴ L> PI PERICARPA Naudin I c 71 — *Micrantha 8-andrnm amsostemon* ramis tereibus pube furfuracea detergibili obsitis, foliis oblongo-ovatis acuminatis, basi rotundatis trmerviis glabratis «ut pogina mfenore pnnectato-furfuraceis, pamculis terminalibus majusculis, calvcis limbo integeiumo, anthers 4 ferilibus magms rostrato-subulatis m nntesi sigmoideis, 4 effoetis rectis truncalis, omnibus basi 4-appendiculais — Habitat in insula Manilla
- ⁵ D FYANOCARPA Blume — *Wlps Repert. V 714 no 6* — Naudin 1 c 71 f tab 4 1§ 2 - *Octandra* " ramis supremis akernatim hinc et inde compressis patentim ~~bispida~~, folns breviter peliolaus oblongo-ovatis subacuminatis, basi cordalis 5-nervns, pagina uiaque glbns aut glabratis, pamculis terminalibus, calvcis limbo integernmo, aniheus 4 ferilibus magms rostrato-subulalis connectiivo infri loculos manifesto vix autem tuberculato, 4 effoetis parvis truncitis, connectivo inferne in membranulam imm-?ularem dilatato — Habitat in insula Sumatra

13. *Bisetosae* Naudin I. c 72.

Antherae (saltern 4 fertiles) basi appendicibus setifonnibus ornatae

- ⁶ D MICROCARPA Naudin 1 c p 72 + — *Tetranrfca* ramis subterenbus gricilibu*, novellis furfuraceo-rubiginosis, veiustionbus glabrahs, folns pio gen ere parvis ova to-oblongis acummatis 3-nervns, pagina superiors glabris, inferiore pube stellata ruhiginosi tomeniellis, pamculis terminalibus axilhnbusque multiflons roicrantbis, calycis limbo obsolete 4-lobo,* antheris subbrevibus biporosis, connectivo basi bisetoso — Habitat in peninsula Malaccensi prope Singapour
- ⁷ D INTERMEDIA Blume — (*Wlprs Repert II 144 no 2 & Annal II 608*) — Naudin I c 72 f — *Macrophylla* 4-stemon ramis subteietibus ferrugineo-furfuiaceis, foliis oblongo-ovatis longiuacule el anguste acummatis, basi subcoidatis 5-nervns, pagina supenote glabris aut glabialis, inferiore pube stellata tenui fuifumccis, pamculis terminalibus axillanbusque magms flonbundts, caljcis limbo membranaceo integernmo, anihararum connectivo basi bisetoso, postice in appendiculam comcam producto — *Melastoma fallax* Blume — Habitat in <ylvis montanis insularum Javae et Sumatrae
- ⁸ Q DECIPIENS Blume - (*Wlprs Annal II 607 no 2*) - Naudin 1 c p 73 f— Praecedenti fere simillima, 4-stemon tamis glabratis scandentibus, folns oblongo-ovatis longe acuminatis, basi non cordatis, praetermisso ncr\o utroque marginali 3-^{neivns} glabns aut pube inconspicua in pagina infenoie conspeisis, pamcula panicu-^{l13v} terminalibus magna sublaxis, cdlycis limbo obsolete 4-lobo aut subintegernnio, anthers subulate, connectiivo basi bisetoso, poslice in appendiculam comcam producto — ~~Hb Nat~~ in insults Java et Sumalia
- ⁹ ^ INAPPEisDICULATA Blume — (*Wlps Repeil II 144 no 10*) — Naudin 1 c p .3 t — *Oclandra heterostemon* ramis supremis furfuraceis aut subglabratis, foliis oblongo-ovatis anguste acummatis, basi rotundalis, ac^jecto nervo utroque submar-8'nah 5-nervns, pagina utraque pube ineonspicua rara stellata punctulatis am pnmo-ntuim glabemmis, pamculis terminalibus elongalTs, anthers valde dispanbus, 4 ma-^{JOIUm} connectivo breviter bianslato, 4 minorum inermi, omnium poslice in appendicu-^{iani} comcam producto - *Metastoma vacillans* var a DC *Piodr III 150* - Habitat in Java
- ¹⁰ D PUSCA Blume - (*Wlprs Repert II 144 no 7* — Naudin 1 c 74 f - Teird-8-^emon et heteiosiemon ramis supremis pube tenui pulverulenta obduclis, foliis ob-^{On}go-ovatis acummatis basi lotundaiis piaeteimisso nervo utioque marginali 3-nei-^{Vlls} glabna ^{nut} giabiatis, pamculis majusculis terminalihus, antheiaium feuilium con-^{ne}ciivo basi bisetoso, postice calcarato-conico; effoetarum brevium, quae satpius paitim

- deficiunt, sens destitulo, posuce in calcar acuium pi oducio. — *Melanoma vacillans* var. Y DC — Habitat in insula Java
- 11 D BRACHYANTHLRA Naudin I c p. 74 f — Octostemon lamis supremis giacilibus subtereibus vix furfure icnui pubentibus, mox omnino glabiatis, **foliis** ovatis aut oblongo - ovuis breviter acuminatis, bnsi roiundatis nee cordatis, praetei nervulum ulrumque submiringalem 3-neivns glabns, pamculis teiminahbus axillanbusque mulflons micianibib, calycis limbo <imphci obsolete 4-lobo, anihens mnjonbus ovoideis aut oblongo-ovoidus umporosis, minonbus lineabus efToetis, omnium conneciivo basi bisetoso, postice in appendiculam comcain producto — Habitat in insula Java
- VI D CUMMINGII rsamlin 1 c p 75 f — Octostemon ramis supremis subteretibus lurfmnceis, foliis ovnto - oblongs acumin.Hib, basi rotundatis, adjecto nervo utroqufl suhnrrginah 5-nerviii>, pimculi? teiminahbus majusculis multiflous, calycis limbo breviter 4-lobo, ambens inaequahbu*, omnibus subobtuse subuldtis, connectivo basi bisetoso — Habitat in insula Luzonia pi ope Mamlle.
- 13 D GRACIUS Illume — (Wlprs. Repeit II 144 no 9) — Naudin 1 c p 75 f -* Octostemon, feie glabcruma inmis tcietibus, foliis ovilis oblongove-ovatis acuDi" nalis, basi totundatis nee coidaus, practcunisso utioque nervo submaiginali 3-nervi¹⁸> pamcul s majusi ulis teiminnlibus axillaubusqnc, bracteolis lanceolatis mlermixlis, ^{cf1} I)cis limbo bicMtci 4-denlato siinpliu, ambens pio genere subbrevibu? oblusis, con^{*} nectfvo ba&i biseto&o, posticc in ippendicuhm conicam bicvem porrecto, setis daabu⁹ obiusis quasi truncate antbcia majoie feie duplo brevioubus, minorc autem sublon^{*} goiibus — *Mclatitoma giactlc* Jack — Habitat in insula Java
- 14 D OVALIFOLIA Naudin 1 c p 7b f — Octoslemon ramis tcietibus pube m^{10u} tissna stclhh lenuginea conspersis, foliis ovatis oblongove-ovatis, subabrupte »^{cU} minalis, basi coidati* 5-ncrvns, piimo aspectu glabeirunis sed reipsa pube tenui¹⁰ conspicua punctulaii* (sublente), pamculis teiminahbus axillanbusque lurfurace¹¹ staminibu[^] subaequalibus, omnibus ut videtui fertilibus, conneciivo basi bisetoso, P^o slice breviter appendiculato aut tuberculato — Habitat in insula Pulo - Pinang
- 15 D BRACTLOSA Naudin I c p 76 f — Oclostemon lainis terelibus, pube ^{minula} stellata lufa deteigibili fuifunceir*, mox ^labratis, foliis late ellipticis, o\atis obovat^{sf}, brevilci acununaiis, basi lotundatis, piacteimi&^o nirvulo utioque submerging¹ 3- neivns, neivis nervulisque tiansvor&is sublus prominentibus, pamculis termioa^{^un} aphjlhs, fiorum cjmulis bractciilo-involuciali[^], anthcns subaequalibus, connectivo ^{basi} bisetoso, poslice bitubticuhlo — Habitat HI nibula l'ulo-Pinang
- 16 D SUPI HltA Naudin 1 t p 77 f — Oaos>lcmoii maciopyll.i llo' <bundn, pr^o ^{se} nere miciaiiiln iaims tcietibus), |>ubi siellatu ininiiio piimo irulutus mox ^{labratis} FOIIIH ol)loii(ro ovuiiw OVUIIMI|IIC, lli o\k< * <l iliii uplo IICIIIII) IIIH l)nni piofiiiuo ^{cordata} r> in iviiH | IIKMIII Mii|taioin KIIIMIII niliitiii |iiiu I M IIII IIII HI IIN NIII II atu vix diii¹⁰ K,||n <oi|Mpi i Mti, i IIIII nIII ii iiiiiliiiluiN nxllm IIMINI|IIO iniliiiliiu IM, NiiinlnbiiM ttmiM|in" **bun, loinuulivo bust biiclUHU, pulleu In II>UIIUIIIUIII cuiiicuiii |>iutluulu** — **IiibJint** " insula Pulo-Piung
- 17 D PAI LIDA Naudin I < f — (WlpiM Annul II b07 no » ?) — Octoslemon, m>' ciopyllo, pro genere inncrntha *iamis teietibus, junionbus pube minula stellate fur' (uraceis mox glabratis, foliis ovatis oblongove-ovaiis bre\itei acununaiis, basi subcordons interdumque biibiotundalis, glabns aut glabrutis, pamculis teiminahbus **majus*** cuhs flonbundis, siamimbus dohcliantberis inaequahbus, connectso in 4 **majoribus** infra loculos pollimfcios mamfesle pi oducio, in omnibus basi bisetoso, poslice opp^{*fl} diculato — *Mclastoma palhdum* Jack - An *Dissochaeta pallida* Dlume ' — HabiWt" insula Pulo-Pinang
- 18 D HETEROMOUPHA Naudin I c. p 78 + - Ramis supiemis ohtu^c 4-gorns, ^{deman} teretibus slngillosis, fohu> obovatis npice oblusis, basi subaculi*, 3-nervns, ^{pagua}

. utraque setulia e basi callosa depressaque ortis conspersa et* quasi punctulata; paniculis paucifloris (an semper?) ad apices ramorum tenninalibus; staminibus subaequalibus, antheris ima basi bisetosis; ovario apice libero, leiragono, — Habitat in Madagascaria.

t Species addendae, quaedam vero Incertae ant fortassli Jam subalilf aomlnfbua descriptae.

- ¹⁹. 'D. MONTICOLA Blume. - Wlprs. Repert. II. 144. no. 3.
¹⁸. 'D. BRAGTEATA Bl. — *Melastoma bracteatum* Jack. — Wlprs. I. c. no. 5.
¹⁷. *D. VACILLANS Bl. - Wlprs. I. c. no. 6.
¹⁶. 'D. VELUTINA Bl. - Wlprs. I. c. no. 8.
¹⁵. *D. SAGITTATA Bl. - Wlprs. I. c. no. 12.
¹⁴. *O. GLAUCA Bl. — *Melastoma glaucum* Jack. — Wlprs. I. c. 145. no. 14.
¹³. *D. BRACTEATA Korthls. - Wlprs. I. c. V. 713. no. 1.
¹². 'D. BIPULVINATA Korthls. - Wlprs. I. c. no. 2.
¹¹. *D.?? ROSTRATA Korthls. - Wlprs. I. c. no. 3.
¹⁰. 'D. BILIGULATA Korthls. - Wlprs. I. c. 714. no. 5.
⁹. 'O. LIGULATA Blume. — Wlprs. Annal II. 667. no. I.
⁸. 'O. CELEBICA Bl. - Wlprs. j. c. no. 3.
⁷. *D. CINNAMOMKA Bl. - Wlprs. I. c. no. 4.
⁶. 'D. REFORMATA Bl. - Wlprs. I. o. no. 6.

t t Species exelnsae*

- D. FALLAX Blume. = OMPHALOPUS FALLAX Maud.
 O. RETICULATA Bl. = OMPHALOPUS RETICULATUS Naud.
 D. LEPROSA Bl. = MELASTOMA LEPROSUM Bl. = OMPHALOPUS LEPROSUS Naud.
 O. NODOSA Korthls. = APLECTRUM NODOSUM Bl.

LXIII (6247/.) DAIBHTIA Korthls.

(Wlprs. Repert. V. 715. - Naudin, Ann. se. natur. [3. S4r.] XV. 276.)

LXIV. OUALOPUS Naudin.

(Naudin, Ann. to. natur. [3. Sdr.] XV. 277. tab. 4. tl. 6.)

Flos 4-merus. Cafycfs iimbus brevitet 4-lobus, simp/ex aut denticulorum externorum vestigiis instructus. Pelala ovata. Stamina 4aequalia fertilia, aul 8, quorum petalis opposita caeteris minora suntet^criiia, antheris ovoideo-subulatis un-ipurosis, etiam in anthesi in-tuexis, connectivo infra loculos non producto nee setoso, poslice autem *n calcar seu potius nates conicas terminato, filamentis antherae sulco^{ve} ntrali affixis. Ovarium toto ambitu adhaerens, 4-loculare. Fructus^{^C} a exsucca, seminibus pyramidato-angulatis, — Frutices Javauici, *ochaetarum facie: foliis petiolatis ovatis aut oblongo-ovatis integer-^{irni}is, p_U5e stellata pulveracea conspersis; inflorescentia paniculari.

¹. 'D. FALLAX Naudin I. o. 277. f — Telrasteion: ramis interdum radicantibus; foliia[^] a^U oblongo-ovaiis breviter acuminatis aculis, basi cordatis S-nervills; paaculls^{ul,}

- magnisterminalifaus; petalis genitalibusque eisertis; aotheris ovoldeo-oblongis ventricosis, in rostrum attenuatis undulato-verrucosis; filamento infra apicem in membranulum altherae nates vest lent em expanso. — *Distochaeta fallax* Blume. — Wlprs. Repert. 11 144. no. 1. — *Melastoma fallax* DC. — Habitat in insula Java.
2. 0. LEPROSUS Naudin I. c. p. 278. + — Teirasiemon: ramis gracilibus, supremis foliorumque pagina inferiore pube stellata miuta pulverulenta rufescente conspersis; foliis oblongo - ovatis breviter acuminatis, basi cordatis 5-nerviis, ramulis floriferis « azillis foliorum supremorum ortis pariculam foliosam formantibus; antheris venericosis apice subulatis, conneciivo basi postica in calcar membriaceum acutum producio. — *Dissochaeta leprosa* Blume. — Wlprs. I. c. no. 4. — *Melastoma leprosum* Blme. — Habitat in insula Java.
3. 0. RETICULATUS Naudin I. c. p. 278. f — Oclostemon, 0. *fallaci* foliis antherarumque fabrica similis, sed filamentis membranula destitutus; staminibus 4 effoelis parvis, caeteris facie conformibus, omnibus postice in calcar conicum crassum desinentibus. — *Dissochaeta reticulata* Blme. — Wlprs. I. c. no. 11. — Habitat in insula Java.

LXV. (6254.) MARUMIA Blume.

(Wlprs. Repert. II. 145. V. 716, Annal. II. 609. - Naudin, Ann. sc. nat. [3.S<<r.] XV. 2ft. tab. 12. fig. 1.)

1. M. NEMOROSA Blume. — Wlprs. Repert. II. 145. no. 4. ft Annal. II. 609. no. 1. ~*_m
Naudin I. c. p. 279. f — Ezcepta foliorum pagina superioris glabrata, iota pube tenui stellulata rufescente pulveracea obducta: foliis oblongo - ovatis breviter acuminatis aut apiculatis 5-nerviis; pedunculis azillaribus robustis ut plurimum 3-floris; calycibus 0* ipsi rumi pube tenui lantum vesiculis. — *Melastoma nemorosum* Jack. — Habitat in insula Borneo.
2. M. ECHINULATA Naudin I. c. p. 280. f — Ramis tereibus, novelli* rufescenti - furfuraceis, setis rigidulis sparse hirtis, veiusioribus glabratis; foliis breviter petiolati* ovaio-ellipticis nuncinalis, basi cordatis, adjecto Dtroquo nervo submarginati 5-nerviis > pagina superior*) glahris, infersiore atprussissime lomenlHia ot pallidu oculmcoixt au¹ condiconibus; pedunculis 1—3-, rarius 5-noris; calycibus slrigia fere nculoironiibus* patentibus horridis. — Habitat in peninsula Malaccensi prope Singapour et Malacca.
3. M. MUSCOSA Blume Bijdr. rial. Wetensch. VI. 246, Ruinplia I. 17. lab. 4. — Naudin I. c. p. 280. + — Floribundis: ramis sarmentosis subteretibus ferrugineo - furfuraceis; foliis ovato-oblongis acuminiatis, basi cordatis 5-nerviis, pagina superiore glabra nilidifj inferiore tomentellis rufis; cymis pedunculatis multifloris corymbiformibus; calycibus setis patulis rufescentibus horridis. — Habitat in insula Java.
4. M. OLIGANTHA Naudin I. c. p. 281. f — Ramis supremis adpressis tomentosis rubiginosis tereibus gracilibus; foliis ovatis breviter acuminatis, basi cordatis, praeterm^o nervo utroque marginali 3-nerviis, pagina superiore glabris nilidis, inferiore stellato-tomentellis ferrugineis; pedunculis unifloris; calyce pills apice stellatim multifidis I*^o stito. — Habitat in insula Java.
5. M. PACHYGYNIA Korthls. - Wlprs. I. c. V. 717. no. 3. - Naudin I. c. 281. f - Submacrophylla: ramis pube rufa adpressa pulveruleoia obductis; foliis ovato - oblongis*¹ acuminatis, basi cordatis 5-nerviis, pagina superiore glabrata, inferiore adpresse stellato-puberula; pedunculis azillaribus longis 3—7-floris; calyce setis rigidis apice stellatis et pube rufa stellulata conspersis quasi loricato; stylo carnoso tetradro, basi aogulis cocta quadruplici incrassato. — Habitat in insula Borneo.

9. *M. STKLLULATA* Blume. — Wlpr. Annul II, 609. no. 2. — Naudin L q. p. 38?, f — Tola, exceptia foliorum pngioa superiore glabrata, furfwre s(eUulnto injnulQ farrugineo obducta: foliis oblongis acuminatis, basi cordalis 5-nerviis; pecjuuculi* conunuoibus clongalis Mibrnmosis; Oorihus singulis subsessilibus; cnlyce pUU apice slellalinj multj-fldis vesiito. — *Melastoma stellulatum* Jack. — *Mnrumia Jnckii* Krlhlg. — Habitat in insula Sumatra.
7. \M. VULCANICA Korlbls. - Wlprs. Reperl. V. 717. no. 4.'
8. *M. RETICULATA Biime. — Wlprs. Annal. II. 609. no. 3.
6. 'M. AFFINIS KorthB. - Wlpra. Reperl. V. 716. no. I. — Naudin I. c. 2«. f — Trium specierum hie memoraiarum fragmenla habemus e *Musco Lugduno-Valavo* comunicata, quae maneiora aunt, quam m in illis singularum characieres proprii deprebendntur. E Ooribus put poiuis alabastris tenerrimia analysi subjectis maxima inter eas analogia, imo cum *M. slellulala* similitudo orta eat, adeo ut eaa quatuor form»8 pro disiinciis babitas in unicnm olim sp^cieni conlraliendas «sse minime piiraremur. —

Speeles uddendae vel tncertae.

- ^ . 'M. LEPROSA Korthls. - Wlprs. I. c. 717. no. 2.
- Jl. 'M. ZEYLANIGA Blume. - Wlprs. I. c. II. 145. no. 2.

LXVI (6192/.) HHr oSSS UHA Hflhls.

(Wlprⁱ, Report. V. 687. — Naudin, Annal. des scienc. natur. [3. Ser.] XV. 283. tab. 4.

fltr. 6.)

(Wlprⁱ JXVII. (6190/s.) _ B B E O I I Blume.

i. Annul. II. 601. — IN a mi in, Annal. des scienc. natur. [3. Sir.] XV. 281. tab. 12. nr. 2.)

LWIII. (6236.) JI1JB1>11VHI1<A **Gaudich.**

(DC. Prodr. III. 167. - Wlprs. Report. II. 142 V. 711, Annal. I. 800. II. 004. - Naudin, Ann. ac. natur [3. Sir.] XV. *<5. tab. 12. flg. 3-4.)

Flores 4—5^meri, rarius 6-meri, nudi. Calycis tubus ovoideus aut lurbinatus carnosus, limbus integer aut in lobos obsoletos divisus, rarissime irregulariter lacerus, d^nlc;ulj\$ externis aqtpunciis (Jeptiajlprmn v estigia exhibentibus saepissime ornatus. Pelala ovata obovatave acula interdumque acuminata. S t am nq au 10 , rarius 12 (in floribus 6-meris), dolichanthera subaequalia: aut manifeste inaequalia non tamen omnino dispa»ia, antheris basi affixis, saepii^s incqrw, lineari-subulatis, antice Jj>8i bilobis aul bicalcaratis, postice uni—bilobis aut unicalcaratis, Ova- {ynj lato ambitu aul geptis antheras in praeflorahone inflexas leparin- h^us lubo calycino usque ad opicem aul saltern maxima parte ad- ^jens, 4—5-loculare, rarius 6-loculare (in floribus 6-meris); placen- ^1 la mel)iforinibus, margiue libero incrassato carnosulis (*Sarcoplacuntia* * aul ex utroq; latere in membranam ovuligeram expansis (*Camp-*

soplacuntia Bl.) > multiovulatis. Stylus filiformis, stigmatibus punctiformi. Iruetus baccatus calycis limbo coronatus, 4—5—6-loculans. Semina inegulanter ovoidea aut ovoideo-dimidiata, raphie laterali mgra hmc notata. — Frutices Indiae, Archipelagi Indici, Moluccarum, Manannarum, Mascarenarum et Madagascanae indigeni, erecti aut radicanes et pseudo-parasitici, glaberrimi, rami furfure stellato detergibili obducti. ramis teretibus aut angulosis, foliis verticillatis aut simpliciter oppositis, abortu soctams et alternis, ut plunnum ovato-ellipticis acutis integerrimis carnosissimis succulentisque (praesertim in speciebus pseudoparasiticis), nervis pnaanis solito more convergentibus, nonnumquam autem (testibus Blumeo & Endlichero) divergentibus, saepe purpurascens; flonbus paniculatis aut ad axillas foliorum nodosve ramorum fasciculato-cymosis, utplunnum roseis, interdum albis, calycibus pedunculisque saepissime rubicundis, nonnumquam subdiaphanis.

- 1 M ROSEA Gaudich — Wiprs Repert II 143 no 23 — Naudin I c 286 f — Ramis subteretibus nodosis, folis verticillatis petiolatis obovatis ovatisque opiculatis aut breviter acuminatis, basi acutis tnplicinervis glabris, fasciculis lateralibus 5—10-flonibus pro genere magis 4-mens calyce integerrimo, antheris basi 3-lobis — Habitat in insula Guaham archipelagi Manannarum
- 2 M QUADRIFOLIA Blume — Wipis I c 142 no 1 — Naudin I c 287 + — Submedicinalia ramis subteretibus, folis carnosissimis quaternatis petiolatis obovato-ellipticis apiculatis aut breviter acuminatis basi acutissimis tnplicinervis, fasciculis 15—25-flonibus 4-meris, calyce inaequaliter, antheris basi bilobatis — *Melastoma quadrifolium* Blume — *Medinilla quadrifolia* Brae — *Medinilla polyantha* Krthls — Wipis I c V 711 no 2 — Habitat in insula Sumatra
- 3 M RAD [CANS Blume — Wipis I c II 142 no 2 — Naudin I c f — Pseudo-parasitica ramis teretibus radicanibus, folis verticillatis petiolatis elliptico-ovatis obovatis quo breviter acuminatis, basi attenuata acutis, marginibus subsinuatis et quasi obsolete deniuculatis, uninerviis aut potius penninerviis, glabris, flonibus 4-meris — *Melastoma radioans* Blume — Habitat in insula Java
- 4 M CRASSIFOLIA Blume — Wipis I c II 142 no 7 — Naudin I c 288 + — Ramis teretibus, folis verticillatis succulentis petiolatis elliptico-ovatis acuminatis, basi subrotundatis, marginibus interdum obsolete sinuatis utplunnum innerviis glabris, umbellulis azillanibus simplicibus aut coimbois-tiicbotomis, flonibus 4-meris, antheris antica bilobis*, postica calcaratis — *Melastoma crassifolium* Blume — Habitat in insula Java
- 5 M RUBICUNDA Blume — Wipis I c no 8 - Naudin I c 389 f - Ramis subteretibus am obscure 4-gonis, folis brevissime petiolatis lanceolatis ellipticis acuminatis basi subacutis tnplicinervis glabris, flonibus 4-meris, calyce integerrimo, antheris breviter et obtuse 2-lobis — *Melastoma rubicundum* Jack — Habitat in montibus Indiae
- 6 M ERYTHROPHYLLA Lmdl — Wipis I c no 22 ft V 711 no 1 — Naudin I c 288 f — Erecta nee parasitica glaberrima folis oppositis breviter petiolatis lanceolatis ellipticis acuminatis, basi subneutis, tnplicinervis, florum fasciculis lateralibus breviter oliganthis, flonibus 4-meris, calyce succulento ceraceo integerrimo, antheris 2-lobis tuse et breviter 4-lobis — Habitat in India⁷
- 7 M LACRIFOLIA Blume — Wipis I c II 142 no. 6 — Naudin I c J90 + — Ramis teretibus radioantibus, supremis obscure 4-gonis, feniernodigatis, folis oppositis, rami teretibus petiolatis elliptico-ovatis breviter acuminatis rotundatis S-nerviis glabris, pedunculis azillanibus 3—5—7-flonibus, flonibus 4-meris antheris basi 9-calcaratis — *Melastoma lacrifolium* Blume — Habitat in «...»

- ⁸ M. LORANTHOIDES Naudin I. c. p. 290. - f. tab. 13. fig. 2. — Parasitica succulema subglabra: ramis subtetragonis, apice paucifloris, inferius mature denudatis, cicatricibus foliorum delapsorum maximis cordiformibus hinc et inde notatis; foliis oppositis carnosissimè petiolalis ovatis obtusis, basi nonnihil cordatis obsolete 3—5-nerviis; florum fasciculis supra cicatrices e nodis ramulorum denudatorum ortis; floribus longiuscule pedicellatis 5-meris. — Habitat in insulis Rorbonia et Mauritiana.
- ⁹ M. JAVANENSIS Blume. — Wlprs. I. c. II. 142. no. 15. — Naudin I. c. 291. f. tab. 12. fff. 4. — Glaberrima macrophylla: ramis quadrangulis, breviter quadrifloris; foliis oppositis subsessilibus membranaceis oblongo-ovatis ovatisve acuminatis, basi obtusis interdumque subrotundatis, adjecto nervo utroque submarginali quinque-nerviis; paniculis multifloris terminalibus; floribus 5-meris; antheris basi anticae biuncinatis, posticae calcaratis. — *Melastoma Javanense* DC. — Habitat in montibus insulae Javae.
- ¹⁰ M. SPECIOSA Blume. — Wlprs. I. c. 142. no. 17, Annal. II. 605. — Hook. Bot. Mag. tab. 4321. — Naudin I. c. 291. f. — Interdum pseudoparasitica macrophylla: ramis trigonis aut tetragonis, tripartitis quadripartitisve, ad nodos fasciculo pilorum crassiorum quasi manicatis; foliis ternis quaternisve brevissime petiolatis aut subsessilibus obovato-ellipticis acutis basi nonnihil cuneatis quintupli — septuplinerviis glabris, subfere punctulatis; paniculis magnis floribundis terminalibus; antheris 5-meris, 4-merisque; antheris basi obtuse trilobis. — *Melastoma eximium* Blume. — Habitat in locis humidis Javae interioris.
- ¹¹ M. GUMMINGII Naudin I. c. p. 292. f. — Pseudoparasitica? submacrophylla submicrantha: ramis obtuse 3—4-gonis nee alatis, ad nodos fasciculo pilorum crassiorum insinuctis; foliis verticillatis ovato-ellipticis obovatisve acuminatis, basi in petiolum brevem angustata subacutis quintuplinerviis glabris impresso-punctulatis; paniculis axillaribus; floribus 4-meris; antheris basi inaequaliter 3-lobis. — *Medinilla speciosa* var. Bot. Mag. — Habitat in insula Luzonia Philippinarum.
- ¹² M. PTEROCAULA Blume. — Wlprs. Report. H. 142. no. 3. — Naudin I. c. 293. f. — Sarmentosa: ramis scandentibus e polygono teretibus multialatis, alis crispulis; foliis verticillatis petiolatis ut plurimum elliptico-ovatis apiculatis aut breviter et abrupte acuminatis, basi acutis et in petiolum decurrentibus triplinerviis glabris; cymis aut umbellulis axillaribus paucifloris; floribus 5—6-meris; antheris basi anticae bilobis, posticae calcaratis. — Habitat in umbrosis humidis Javae interioris.
- ¹³ M. MACROGARPA Blume. — Wlprs. I. c. 142. no. 5. — Naudin I. c. f. — Scandens macrantha macrocarpa: ramis nodosis teretibus; foliis quaternis petiolatis elliptico-ovatis breviter acuminatis, basi acutis, margine sinuatis triplinerviis glabris aut glaberrimis; cymis lateralibus paucifloris; floribus 5—6-meris; calycis limbo irregulariter lacero; antheris subaequalibus, connectivo infra loculos producto, basi anticae biauriculato, posticae calcarato. — Amboina.
- ¹⁴ M. BRACTEATA Blume. — Wlprs. I. c. 143. no. 21. — Naudin I. c. 294. f. — Ramulis erectis, pro genere gracilibus; foliis oppositis lanceolato-ellipticis, utrinque acuminatis, basi in petiolum decurrentibus exigue remoteque denticulatis quintuplinerviis; cymis bracteatis paucifloris submicranthibus, supra cicatrices ramulorum denudatorum insertis; antheris 5-meris. — Habitat in insulis Moluccis.
- ¹⁵ M. SUCCULENTA Blume. — Wlprs. I. c. 142. no. 10. — Naudin I. c. f. — Pseudoparasitica: ramis obscure 4-gonis crassiusculis succosis verrucosis; foliis carnosissimè oppositis sessilibus ovato-oblongis aut omnino lanceolatis acutis, basi attenuatis obsolete triplinerviis; cymis ramosis; floribus 4-meris. — *Melastoma succulentum* Blume. — Habitat in insula Java.
- ¹⁶ M. HYPERICIFOLIA Blume. — Wlprs. I. c. no. 11. — Naudin I. c. f. — Ramis teretibus nodosis; foliis oppositis sessilibus ovato-oblongis lanceolatisve acuminatis, basi

rotundata subconlatu obsolete triplinerviis glaberrimis; floribus 5-meris. — *Melastoma hirsutifolium* Blume. — Habitat in Java.

17. M. OCCIDENTALS Naudin I. c. p. 295. f — Pseudoparasitica? inacrophylla : cule ramisve tetragono-compressis quadrialatis; foliis carnosulis oppositis sessilibus late ovatis obovatis, marginibus sinuato-denticulatis novemnerviis, pube minuta furfuracea conspersis; cymulis paucilloris lateralibus brevibus; floribus 4-meris; calycis limbo membranaceo dilatato irregulariter lacero. — Habitat in insula Madagascaria.

i **Specie addendae, non autem omnes certissimae** In Repertorio et in Annalibus descriptae.

18. M. CRISPATA Ulme. — 19. M. CRASSINERVIA Rime. — 20. M. HASSELTII Dime -
21. M. VERRUCOSA Blume. — 22. M. ALPESTRIS Blume. — 23. M. KUHLII Plume. —
24. M. EXIMIA Blume. — 25. M. SIEBOLDIANA Planchon. — *Medinilla tiximia* Sieb —
26. M. INTERMEDIA Mme. — 27. M. POLYANTHA Korthals. — 28. M. CUSPIDATA Bl. —
29. M. KORTHALSII Blme. — 30. M. CELEBICA Blm?. — 31. M. ALTERNIFOLIA Bl. —
32. M. MACROPHYLLA Bl. — 33. M. BORNEENSIS Bl. — 34. M. AMPLEXICAUMS Bl. —
35. M. MURICATA Blme. — 36. M. SALICIFOLIA Ulme. — 37. M. MAGNIFICA Hook. —

t t Species e genere exclusae.

- M. VENOSA Blme. = HYPLANTHE VENOSUM Blme.
M. URACATEATA Blme. = DACTYLIOTA BRACKETATA Blme.

LXIX. (0249.) **DIPLOGEWEA** Lindl

(Wlprs. Reperl. II. 145. — Naudin, Annal. dea scienc. natur. [3. Sdr.] XV, 297. tab. 19. fig. 3.)

LXX. **DACTYMOTA** Blume.

(*Medinilla* sect, IV. Blum*. — Wlprs. Reperl. II 143. — Naudin, Ann. sc. nat. [3. Sdr.] XV. 298.)

1. ' D. SETIGERA Blume. — Naudin I. c. — *Melostoma setigerum* Korthals.
2. ' D. BRACATEATA Blme. — Wlprs. Reperl. II. 143. no. 21. — *Medinilla bracteata* Blume.

LXXI. (6236/.) **HIPPEIVAXTHE** Blume.

(Wlprs. Annal. II. 605.)

LXXII. (6237.) **TRIPLECTRIVIA** Don.

(Wlprs. Reperl, II. 143. V. 712.)

LXXIII. *Eit^JÉTItfA Naudin.*

(Naudin, Ann. sc. natur. [1 Sir.] XV. 299. tab. 14.)

. Flos 4-merus. Calyx oblongo-campanulatus, limbo membranaceo expanso miegerrimo, punctis 4 vix conspicuis subnullisve denticulorum exler-norurn locum occupantibus instructo. Petala exserta oblongo - ovata acuta. Stamina 8, aequalia, antheris lincari-subulalis, rim a duplici longiludinaliter dehiscentibus, connective infra loculos manifesto, postice in calcar acutum descendens producto. Ovarium cum tubo cal^cino usque ad apicem connatum 4-loculare. Stylus filiformis, stigmatē punctiformi. Fruclus "accatus, calycis limbo persistente coronatus. Semina numerosa, in P^upa placentarum nidulantia, irregulariter ovoideo-dimidiata et sub-jneurva, rhaps lateralē nigrescente notata. — Frutex in Archipelago *aiomonis indigenus, sarmentosus scandens et pseudoparasiticus, glaber: ramis ad nodos radicanlibus; foliis carnosō - coriaceis petiolatis elHp-ticis an e g n m i s triplinerviis; noribus axillaribus solitariis, longiuscule pedicellatis.

1. *E. RADICANS* Naudin I. c. f - Habitat in insula Ysabel et St. Georges Archipelagi

' LXXIV. (6238.) *PACHYCFISTRIA Blume.*

(Wlprs. Repert. II. 143. V. 712, Annal. IF. 606. - Naudin Annal. sc. natur. [3. S. 299.] XV. 299.)

1. *P. CONSTRICTA* Blume. - Wlprs. Repert. II. 143. no. f. - Naudin. I. c. 300. f - Macrophylla: foliis utrinque sifoaculis, nervis laieralibus duobus subobsoletis; antherarum calcare subtriqueiro acutissimo deorsum vergente. — *Melastoma constrictum* Blume. — Habitat in insulis Sundaicis et Moluccis.
2. *P. VARINGIAEFOLIA* Blume. - Wlprs. I. c. no. 2. — Naudin I. c. f - Ramis supremis compressis et subteiragonis; foliis longiuscule petiolatis ovaio - lanceolatis acuminatis, basi acuiis, nervis laieralibus sobobsoletis. — *Melastoma taringiaefolium* Blume. — Habitat in insula Java.
3. *P. ZOLLINGERIANA* Naudin I. c. p. 301. f — Ramis geniculatis nodofn, *bibb* el fnde &liernatim compressis, junioribus furfure atro^purpureo obductU mox glabratis; foliis bre^issime petiolalis lanceolalo • ol>longis ucutis, bnsi minime cordatis, nervis laterali-bus subobsoletis, primo intirito ^labris, sob lemn Teprosis, succulentis; paniculis corymbiformibus axillaribus lloribundis, primo trichotome, mox dichoiome et genicula-tis in ramosis; alabastris acutissimis. — *P. taringiaefolia* Moritzl. — Habitat in insula Java.
4. *P. ELLIPTICA* Blume. - Wlpris Annal. II. 606. no. 2. — Naudin I. c. f - Ramis gracilibus e compresso teretibus apice fusciscenti-pulverulentis mox glabratis; foliis ma-jusculis oblongo - ellipticis acutiusculis, basi obtusis glabris 3-nerviis; paniculis terminatis brevibus corymbosis paucifloris, rhachi ramulisque complanato-olatis; peialis Pellucidis ^ Habitat in insula Borneo.
5. *P. I-AXIFLORA* Blume, Mus. bot. Lugd. Bat. 1. 23. — Foliis breviter petiolatis ob-longo-lanceolatis, utrinque angustifolis *concolonus*; corymbis axillaribus et (erminalibus) ramosis multifloris. — *P. varinpfieftolid* Kthls. Verh. Nat. Gescl. Bot. tab. 63. fig. 2, V^ec Blume). — In sylvis monianis insulae Sumatrae.

t Specie* uddendae.

6. *P. LAXIFLORA Blume, Mus. bot. Lugd. Bat. 1.23.
7. *P. RIGIDA Blme. — Wlprs. 1. c. no. 1.
- 8 'P. TUBERCULATA Knbls. — Wlprs. Repert. V. 712. no. 1.

LXXV. (6239.) POCTOSTAHTTIERA *Blume*.

(Wlprs. Repert. II. 143. V. 712, Annal. II. 606. — Naudin, Ann. sc. nat. [3. Se>.] XV. 302. lab. 15. fig. 1.)

LXXVI (6247.) APliEICTRUJfE *Blume* (nee Nutt. cf. supra pag. 527.)

(Wlprs. Repert. II. 145, Annal. II. 608. — Naudin, Ann. sc. natur. [3. Sfr.] XV. 302. W*
15. fig. 2.)

1. A. MYRTIFORME Naudin 1. c. p. 305. f tab- 15. fig. 2. — Glabrum: rarais divari^{cqif}
gracilibus subteretibus; foliis coriaceis brevissime petiolatis et subsessilibus longius-
cule acuminatis, basi subrotundatis; cymis gracilibus axillaribus paucifloris. — Hflbil⁰¹
in insula Luzonia prope Manille.

LXXVII (6176A.) A] J J E R I I ¥ C I J E I S T U S *Krthls.*

(Wlprs. Repert. V. 681.)

LXXVIII (6203.) O X Y S P O R A *DC.*

(DC. Prodr. III. 123. — Wlprs. Repert. II. 127. — Naudin, Annal. des sc. natur. [3. Sér.]
XV. 306.)

1. 'O. PANICILATA Wall. - Wlprs. 1. c.

t Species exclugae.

0. VAGANS Wall. var. a. = HOMOCENTRIA VAGANS.
0. VAGANS Wall. var. ?• = ALLOZYGIA GERNUA.

LXXIX. (6176/s.) O C H T O C H A R I S *Blume*.

(Wlprs. Repert. V. 681, Annal. II. 600. - Naudin, Annal des sc. natur. [3. Sér.]
tab. 15.)

1. -0. PANICULATA Krihls. - Wlprs. Hepert. V. 682. no. 2. - Naudin I. «
fig. 3.

LXXX. *WmWBCUVTnia Naudin.*

(Nwidin, Ann. des so. natw. [3. Sir.] XV. 908. tab. 15. fig. 4.)

Flos 4-merus. Calycis tubus oblongus quadrangulus, limbus dilatatus breviter 4-lobus. lobis Itberculo denticuliformi in nervura inferne conuenle dorso instructis. Petala triangulari-Janceolata acutissima. Stamina B. in a equal ia, apice uniporosa, 4 majorum antheris linearibus, apice nonⁿjhil attenuatis nee re vera tamen orapino subulatis, sigmoideis. minonun oblongo-ellipticis obtusis, quam priores dimidio brevioribus, omnium connectivo antice non manifesto, postice in calcar aculum incurvum rteorsum vergens producto. Ovarium oblongum, toto ambitu et fere ad apicem usque adhaerens, 4-loculare. Placentae cuneiformes, margine libero incrassatae, multiovulatae. Stylus filiformis gracilis⁴. stigmatate punctiformi. Fructus ignotus, fortasse capsularis. — Frutex Indicus scandens: ramis teretiusculis, supremis pube tenui furfuracea confpersis, vetustioribus glabratis; foliis oppositis, in eodem jugo interdum inaequalibus, petiolalis ovatis acuminatis, basi rotundatis aut vix sujbeor-
«atis, margine obsolete sinuato-crenulatis, 5-nerviis, vix non glaberrimis; paniculis terminalibus majusculis submicranthis; floribus breviter pedicellatis, rubrls?

1. 'H. VAGANS Naudin 1. c. p. 306. — *Meiaetoma vagans* Roxbrg. — *Oxyspora vagans* rar. a. Wallich, Plant. Asian, rar. 1. 78. adn.— Book. Bot. Mag, lab. 4553 (1) — *Oxyapora n<-tans* Hook. 1. c. in diagn. — *Melastoma rugosa* Wall. — Habitat in montosu regionis SiUet Indiae orientalis.

LXXXI. AIIIIIOZYGIA Naudin.

(Naudin, Anaal. sc. nator. 13. Stir.] XV. 309. tab. 15. fig. 5.)

Flos 4-merus. Galycis tubus oblojQgo-campanulatus, 4-gonus, post anthe^{the}sinsiib fauce constrictus, Jimbus breviter 4-dentatus, dentibus acutis, basi^{basi} inter se confluentibus simplicibus. Petala obovato-oblonga, breviter aminata aut apiculata. Stamina 8, alternation inaequalia conformia do-
'chanthera, antheris linearibus angustis, apice uniporosis, connectivo
II^{II}fra loculos nee proxhicto nee appendiculato. Ovarium ovoideum, us-
g^{ue} ad medium adhaerens. apice libero 4-lobo subtetragonum, 4-loculare. lac-
centae lamelloso-cuneiformes, margine libero incrassatae multiovula-
tae. Stylus filiformis gracilis, stigmatate punctiformi. Capsula calyce 8-
costato Vestita, apice ut videtur 4-valvis. Semina minuja pyramidato-
angula incurva, rhapshe nigra hinc excurrente notata.— Frutex Indicus. scandens macrophyllus anisophyllus fere glaberrimus: ramis obtuse tef-
f^gonis aut subteretibus; foliis oppositis. in eodem jugo utplunnum
"»aequalibus petiolatis, sub panicula tamen sessilibus aut subsessilibus, ato-oblongis longe acuminatis, integerrimifl, basi rotundatis aut sub-
^^{or}dati⁸ 5-nerviis • paniculis terminalibus maximis gracilibus nutantibus; U<»Ums pediceiiatis rubris.

1. *A. CERNUA. Naudin. L e t — *Melasloma cernua* Roxbrg.— *Oxyspora vagans* var. J, wall. - HabUat in Indja ori6nta,ji prope Chittagong.

LXXXII. (6240.) **AULOMORPHIA** *Blume.*

(Wlprs. Repert. II. 143. ft 918. — Naudin, Annal. sc. natur. [3. Sér.] XV. 310.)

LXXXIII. **MACHOL.ETJTES** *Naudin.*

(Naudin, Ann. sc. natur. [3. Sér.] XV. 311. absq. char.)

1 ***M. ANNULATA**, Naudin 1. c. — *Majeta annulata* Vent.— *Huberia annulata* DC. Prodr. HI 167 no. 4.LXXXIV. **CARIOBTIA** *Naudin.*

(Naudin, Ann. sc. natur. [3. Stir.] XV. 311. lab. 15. fig. 6.)

Flos 6-mems. Calycis tubus oblongo-campanulatus, limbus membranaceus, dentibus sex externis angustis subulatis subtriquetris, tubo ip^s brevioribus nee inter se confluentibus paulo infra marginem integrum armatus. Petala inaequilatere et late obovata apiculata. Stamina 1 aequalia, antheris lineari-subulatis, laleribus compressis, apice parui^Q per recurvo uniporosis, connectivo postice ad basin antherae tuberculat^P antice non distincto, filamentis glabris. Ovarium ovoideum usque a^{*} apicem septis 12 locellos totidem antheras in praefloratione reflexas includentes separantibus calycino tubo adnatum, 6-loculare. Placentae columnae centrali affixae lamelliformes, margine libero mcrassatae. Sty his filiformis sigmoideus, stigmatate punctiformi. Frutus ignotus sed ~~ve-~~risimiliter baccatus. — Arbor Manillana, 5—7-metralis glabra nj^a ~~crantha~~ dichotome ramosa: ramis teretibus; foliis oppositis petiolatis, in eodem jugo saepe disparibus ovato - ellipticis, apice acuminatis, basi acutis i^{*}; tegerrimis quintuplinerviis[^] cymis terminalibus, 3-floris aut paucifloris[»] floribus pedicellatis.

1. ***C. ELEGANS** Naudin 1. c. p. 312. f.— Habitat in ezcelsioribus jugis Luzoniae, ~~vulgo~~ Igorrotcs, haud procul ab urbe Maaiile.

LXXXV. (6192A.) **SARCOPYRAJHIS** *Wall.*

(Wlprs. Repert. V. 687.)

LXXXVI. **VKPRB€S1I«I«A** *Naudin.*

(Naudin, Ann. sc. natur. [3. Sér.] XV. 312. lab. 15. fig. 7. 8.)

Flores 5-meri. Calycis late campanulati limbus membranaceus, ~~ger~~ aut vix sinuatus, denticulis externis 5 ornatus. Petala ~~os1S,~~ cuneata. Stamina 10, saepiu[^] aequalia, antheris oblongis erectis unipo^{*} connectivo infra loculos non producto, postica basi interdum ~~er~~ calcarato. Ovarium paulo ultra medium toto ambitu adhaerens, H^o

angustato umbilicatum, 5-loculare. Stylus filiformis, stigmatе subacuto punctiformi. Fructus ignotus. — Frutices Madagascarienses subsarmentosi ramosi glabri aut puberulj; foliis petiolatis ovatis ovatove-oblongis; floribus parvis aut mediocribus, luteis aut purpureis.

1. V. LUTEA Naudin l. cit. p. 313. f — Subglabra: ramis adultis subteretibus; foliis ovatis acutis tenuissime serrulatis 3-5-nerviis, pube tenui pulverulenta mox evanida conspersis, demum glabratis; floribus paucis ad apices ramulorum solitariis, pallide luteis. — Habitat in oris meridionalibus Madagascariae.
2. V. NJGRESCENS Naudin l. cit. t. 1^{ab}. 15. fl. a — Sarmentosa subglabra: ramis alternatim bine et inde compressis sulcatisque; foliis late ovalis acutis interdumque breviter acuminatis viz perspicue denticulatis aut sinuato-crenulatis 5-nerviis, pube tenuissima pulveracea inconspicua punctulatis; paniculis brevibus terminalibus paucifloris calycibus 5-cosiatis. — Habitat in insula Madagascaria.
3. V. MACROPHYLLA Naudin l. c. p. 314. - fl. 7. — Sarmentosa? macrophylla multiflora glabrata: ramis supremis compressis et sulcatis furfur pulverulentum rubiginosum ad *nodas* retinentibus; foliis ovato-oblongis gradatim acuminalis, basi rotundatis interdumque subcordatis inlegerrimis 5-nerviis; paniculis terminalibus magnis apbyllis; floribus brevissime pedicellatis ad apices ramulorum paniculae subglomeratis out subumbellatis. — Habitat in insula Madagascaria «ecus rivulos circaque lacum Nossibe*, ubi ab incolis vocatur *Tsi-Toutouc*. :*
4. V. LAXIFLORA Naudin l. cit. p. 314. — Sarmentosa scandens glabra aut glabrata, pro genere macrantha: foliis ovato-ellipticis aut oblongis oblusis subacutisve serrato-crenatis 5-nerviis; paniculis magnis laxifloris terminalibus. — Habitat in sylvis tractus dicti Be-FourOun provinciae Be'-Zdng-Zdng in insula Madagascaria.

Subtribus II. *SONERILEAE* Naudin). c. p. 315.

Herbae, suffrutices fruticesque ex America, Madagascaria et India orientali oriundi, saepe breviaules imo et baud raro subacaules: floribus saepius in racemos scorpioideos dispositis. Flores 3—4-meri. Calycis dentes nunc simplices, nunc duplicati, nonnumquam subobsoleti. Stamina diversiformia apice porosa. Fructus ut plurimum capsula 3-ocularis, 3-valvis, rarius baccatus indehiscens.

LXXXVII (6189.) » A I i F r a » A DC.

(DC. Prodr. HI. 112 - Wlprs. Repert. II. 121. - Naudin, Ann. sc. natur. 13. Sér. J XV. 316. tab. 18. flg. 1.)

LXXXVIII (6190.) BBRTOIiOliriA Roddi.

(DC. Prodr. in U3 - Wlprs Repert. II. 121 ft »17.V. 683, Aond.il. 600. - Naudin, Ann. des ac. natur. [3. Se>.] XV. 317.)

1. B. MARMORATA Naudin J. cil. 3ia f - Tola herbacea aubacaulis: foliis omnibus radicalibus petiolails cordifomi-ovaiis subaculis remote sinuato-crenatis sparsim pilosis fere quiniuplinerviis, supra viridibus, ted praesertim ad nervos albo - *Ytriegttis*, *ubi, ut ei petioli punnurascentibus; *acapo* 3—7-floro; floribus non manifeste in race-

mum scorpioideum dispositis, dilute purpureis — *Frtoenema* » *marmorata* Naud Revue horiicole 1818 p 381 — Wlprs Annal I 600 no. 1 — Habitat ID Brasilia septentnoli prope Oahiam locis humidis

2. B AENEA Naudin I c — Tota herbocea caule brevissimo crasso fere tuberculiformi villis fulvis birsuto, folus petiolatis cordiformi-ovalis subacutis remote crenulalis—7-nervus, sparsim sed ad morgines praesertim pilosis, caeteium glabns alro-virentibus et quasi aeneo mtore luceniibus, scapo apice in ramos duos (saltern ID specimme) floriferos diviso, flonbus subsessilibus in racemum scorpioideum disposals, dilute purpureis — *Lrtocnema aenea* Naud I c 382 — Habitat in Brasilia septentnonali

LXXXIX (6191.) **IiITHOBIIUM** *Bngrd.*

(Wlprs Report Y 684)

XC. (6192) **SOIfTERIIiA** *Rxb*

(Wlprs Reprt II 122 V 684, Anna] I 296 II 600 — Naudin, Annal des sc natur [3 S-Sr] XV 319 tab 18)

[•lores 3-men. Calycis oblongi subcyhndnci vel triquetri ran us turbinati dentes simphces acuti tubo saepius breviores persistentes aut sero decidui Petala ovata vel oblongo - o\ata acummata, nervo medio postice saepissime piloscu Stamina 3 cum petalis alternanlia, ranssime 6 et tune alternatim inaequaha, anthens nunc subulatis aut hnearibus umporosis, nunc ovatis ovatove-oblongis obtusis biporosis interdumque admodum brevibus et quasi truncatis, connectivo infra loculos nullo, postice autem supra lilamenti insertionem basilarem aut subdorsalem nonnumquam tuberculato Ovanum omnmo aut vix non omnino adhaerens 3-loculare Stylus filiformis, stigmatate punctiformi aut capitellato. Capsula calycis tubo persistente vestita, utplunnum triquetra, apice umbilicata, 3-valvis. Semina magis minus\e repulanler ovoidea aut pyramidata. — Herbae mterdum suffrutescentes, in India onentali insulisque vicinis mdigenae, inter *Melastomaceas* ob flores tnmeros memorabiles, habitu autem maxime heterogeneo, caulescentes et subacaules. glabrae et hiisutae folus haud infrequenter maxime inaequalibus et heteromoiphis, ilonbus utplunnum in racemos scorpioideos dispositis, purpureis aut violaceis, lanus albis.

A Aiitherae breves aut ovatae bipoiosae aut saltern subbiporosae.

- 1 S BRACHYANDRA Naudin 1 c p. 320 tab 18. flg 2 f — Pusilla erecta micrantha caule ramisque subfiliformibus, folus mollibus late ovatis obtusis, basi in petiolutuf abrupte attenuatis tenuissime serrulais 3—5-nervns (nervis subevanidis) parce pilo»^{IS} subglabusque, in eodem jogo aequalibus et Inaequalibus, flores ad apices ramorum >ⁿ lacemos scorpioideos dispositis subsessilibus, calycibus oblongis, anthens brevissim^{IS} late biporosis — Habitat ID insula Lu2onia prope urbem Manille
- 2 S PARADOXA Naudin I c p 321 f- Subacauhs acauhsvē, pro genere macropbyll«iota hirsute rufescens folus subsesfilibus, in eodem jago maxime inaequalibas (u»^o altenus vicesimam partem aequante), minore late ovato obtuso subrdtundatoque, «^{ter}^ inaequilatere ovato, ban subcordatd acuminato multrplmervi, omnibus integernmfs aes' silihue; roraie florifens aubscépiformibus brovibus axillarthus floribue iccundis p^{ucis}

— *S. Moluccana* Ben net. — Eadem ac *S. Moluccana* Roxb. ? — Habitat in insula. Pulo-Pinang.

fi. Antherae lineares elongatae aut subulatae et in rostrum attenuatae, uniporosae.

3. *S. SOLANOIDES* Naudin 1. c. 324. f XVI. tab. 18. *fig. 3.*— Stiffruticosa erecta ramosa ramis sublortuosis obscuro 4-gonis glabris vel glabratis, epidermide membranacea molli mature soluta nudatis; foliis longiuscule petiolalis, in eodera jugo subaequalibus aequalibusve, ovalis acutis, basi subcordatis serratis 5—7—9-nerviis ciliaris, caeterum glabris; ramis floriferis terminalibus, basi foliosis, superne nudis hirtellis, apice satopius in ramulos duos secundifloros divisus, flore uno in dichotomia alari; floribus pedicellatis intense violaceis; antheris aurantiacis. — Habitat in montibus Indiae Nelli-Gherry.
4. *S. HETEROSTEMON* Naudin 1. c. 326. + XVI. tab. 18. *fig. 4.* — Herbacea erecta debilis macrophylla: foliis longiuscule petiolalis, in eodem jugo disparibus sed non omnino dissimilibus, mollibus, inaequilatere ovatis subacutis, basi obliqua noncordatis, tenuissime serrulatis subintegerrimisque saepius 5-nervis, pagina superiore masculis albis in medio piligeris irrorata, caeterum glaberrimis; floribus ad apices pedunculorum paucis glomeratis subsecundis; glomerulis involucri polyphylo subpetaloideo instffctis. — Habitat in insula Lnonla prope nrbern Manlle.

XCI. TRIOIDHTA Naudin.

(Naudin, Ann. des sc. natur. [3. Sér.] XV. 228. XVI. tab. 18. *fig. 5.*)

Flos 5-merus. Calycis denies subduplicaii, id est intus ad basin membrana adnata instructi, tubo campanulato breviores. Petala oblongo-ovata. Stamina 10 subaequalia sed heteromorpha, antheris lineari-oblongis parum incurvis, apice obtuso et quasi truncato subbiporosis, connectivo infra loculos non producto sed in majoribus in appendices filiformes ab antica basi antherae ortas apice obtusas et anthera ipsa longiores mutato, in 5 minoribus simpliciter antice sub loculis apiculato et viz perspicuo. Variarium semiadhaerens obtuse triquetrum 3-loculare, apice profunde unbilcatum et membrana trigone disposita coronatum. Stylus filiformis, stigmatibus punctiformi. Fruclulus iguotus sed ut videtur capsula trigona apice 3-valvis. — Herba Mexicana subacaulis in locis humidis vicens: foliis petiolatis ovatis vel oblongo-ovatis subacuminatis niter serrulatis quintupli—septuplinerviis pilosulis et glabratis; floribus ad apices scaporum axillarum scorpioideo-racemosis roseis.

*. "TR. SCORPIOIDES Naudin I. cit. f — Habitat prope Zacualpan (Cbiopas).

XCIL. DIOIBUTA Naudin.

(Naudin, ADD. dkw sc. nauir. [3. Sér.] XV. 329.)

I] Plos 5-merus. Calycis campanulati denies duplicati breves, basi con-
"nentes, extemi subulati interioribus membranaceis subacutis paulo lon-

giores. Petala ignota. Stamina 10 subaequalia, antheris brevibus obovatis, apice biporosis, poris inferne in rimas fere productis, connectivo infra Juculos modice producto, ad insertionem filamentum postice tuberculato-calcarato, antice in brachia seu calcaria duo erecta in staminibus 5 majoribus quam in alternis longiora porrecto. Ovarium liberum triquetrum apice truncato-umbilicato marginatum, 3-loculare. Stylus filiformis, stigmate subcapitellato. Fructus, ut videtur, capsula trilobata trivalvis. — Herba Venezuelensis, fortassis paludosa, *Bertolonias* facie referens: caule simplice (siccine semper?), inferne sublignoso tereti, superne herbaceo sulcato; foliis majusculis longe petiolatis ovatis breviter acuminatis, infra apicem vix conspicue denticulatis aut omnino integerrimis, basi nonnihil cordatis, 5 — 7-nerviis, subtus secus nervos pulverulentis, caeterum glabris, racemo racemiseve terminalibus secundifloris scorpioides; floribus albis parvis sessilibus.

1. *D. HYGROPHILA Naudin 1. cit. f — Habitat in provincia Garobobo reipublicae Venezuelensis.

XCIII. (6190/j.) ERIOCYFEMA Naudin.

(Wlprs. Rept. V. 683. — Naudin, Ann. sc. natur. [3. Sér.] XV. 330.)

XGIV. SPHAEROCOTYLE Naudin.

(Naudin, Ann. des sc. natur. [3. Sér.] XV. 331.)

Flos 5-merus. Calycis campanulati limbus duplicatus, dentes interni breves rotundati ciliati, exteriores tuberculati reflexi, interioribus breviores. Petala obovata apice obtuso rotundata. Stamina 10 parum inaequalia. antheris linearibus falcatis apice subulato uniporosis, connectivo nee producto nee appendiculato. Ovarium usque ad medium aut paulo amplius adhaerens, apice libero umbilicatum, 5-loculare. Stylus gracilis filiformis, stigmate capitato sphaerico inconspicue 5-sulcato. Fructus ignotus. — Herba Americae aequinoctialis indigena, fortassis paludosa, brevicaulis macrophylla multiflora: caule simplici? subtortuoso, inferne sublignoso, ad nodos praesertim setis longis robustis appianatis hispido; foliis longe petiolatis late ovatis vix apiculatis integerrimis aut inconspicue infra apicem ciliato-denticulatis, basi rotundatis quinque-~quintuplinerviis, pagina superiore glabrata, inferiore secus nervos setulosa et pulverulenta; panicula terminali magis minusve contracta floribus bunda; floribus brevissime pedicellatis, pulchre roseis.

1. *SPH. LATIFOMA Naud. 1. cit. p. 331.f — Habitat in montibus Venezuelensibus Provinciae Merida prope Baildores, ad altit. 800—1600 metrum

XCIV. (6256.) PINNACULATHIS Blume.

(Wlprs. Rept. V. 717. — Naudin, Ann. des sc. natur. [3. Sér.] XV. 332.)

XCVI. ©RAVĒSIA *Naudin.*(Naudin, *Ann. sc. natur.* [3. *Sir.*] XV. 339. XII. tab. 10. fig. A.)

Flos 5-merus. Calycis turbinati hispiduli dentes breves subobtusius, extus infra apicem denticulo minuto 3—4-setoso instructus. Petala ovata subacuta. Stamina 10, aequalia, inter se conformia, antheris oblongis, apice obtuso uniporosis, connectivo postice in appendicem obtusam sublus canaliculatam producto; filamentis glabris. Ovarium toto ambitu calycino tubo adhaerens, lobis 5 membranaceis triangulari-obovatis stylique basin cingentibus coronatum 5-loculare. Stylus filiformis rectus, stigmate obtuso punctiformi. Placentae lamelliformes, margine libero utroque latere dilatatae. Ovula numerosa tenuia irregulariter ovoidea. Fructus ignotus. — Herba Madagascariensis subacaulis oligophylla oligantha: rhizomate brevi sublignoso tortuoso hispidissimo; foliis oppositis majusculis petiolatis ovatis obtusis, basi cordatis, inaequaliter dentato-crenatis 5—7-nerviis sparsim pilosis; scapis axillaribus gracilibus umbellatim 3—7-floris, interdum unifloris; floribus pedicellatis magnitudine mediocribus.

1. 'GR. BERTOLONIODES *Naudia* 1. cit. p. 333. f — Habitat in insula Madagascarla.

Subtribus III. CLIDEMIEAE *Naudin* 1. c. 334.

Frutices aut arbusculae, rarius arbores aut herbae suffruticosae, in utraque America et Antillis crescentes. Flores 4—9-meri. Calyces diversiformes, limbo varie conflato, dentibus externis mine productis subulatis, nunc punctiformibus aut omnino obsoletis. Petala obtusa aut ^acuta, nonnumquam obovato-apiculata. Stamina vix non semper petalorum numero dupla, raro numerosiora et subindefinita, rarissime petalorum numerum aequantia, inter se aequalia aut alternatim parum inaequalia, omnia ut videtur fertilia; antheris 1—2—4-porosis, nonnumquam rimis seu poris in rimas longitudinales productis dehiscentibus, connectivo sub loculis haud infrequenter conspicuo, appendiculis instructo. Stylus destitute rarius postice caudato. Ovarium magis minusve calyci adhaerens, rarissime subliberum 2—15-loculare. Stigma in paucissimis speciebus sessile aut subsessile, in reliquis stylo suffultum, punctiforme aut capitalum. Fructus baccatus carnosus aut subsiccus, in paucis generibus capsularis. Semina diversiformia ut plurimum irregulariter ovoideo-angulata.

XCVII. (6176.) HUBBRIA *DC.*

^DC. *Prodr.* I[. 167. — *Wlprs. Repert.* II. 118. — *Naudin, Annal. des. sc. natur.* [3. *S6r.*] XV. 336.)

t Species exluase.

^f ANNULATA *DC.* = MACHOLENES ANNULATA.

^f ARGENTEA *DC.* = MAJETAE *Spec.*

XCVIII **CBODESHITOI** *Naudin.*

(NaudiQ, ADD. SC. nair. [3. S4r.] XV. 338.)

Flos 4-merus. Calyx oblongo - campanulatus aut potius turbinatus, limbo brevissime 4-dentato, denticulis externis 4 tuberculiformibus selula terminalis instructo. Petala obovata, apice acuminata? Stamina 8, nonnihil inaequalia, antheris longis linearibus, apice gradatim subulato uniporosis, connectivo sub 4oculis perspicuo, antice ad insertionem filamenti breviter bicalcarato, poslice *in* caudam longam filiformem producto. Ovarium semiadhaerens 4-loculare. Stylus gracilis exsertus, stigmatibus punctiformi. Caetera ignota. — Frutex? in America aequatoriali, secus ripas Orinoci indigenus glaberrimus: foliis breviter petiolatis ovatis oblongo-ovatis acutis aut in acumen productis, basi subcordatis integerrimis, adjecto nervo utroque marginali 5-nerviis; paniculis terminalibus paucifloris; floribus ad apices ramulorum solitatis — ternis, breviter pedicellatis.

1. 'U. HUBERIOIDES *Naudin* 1. c.f— Habitat in vicinia urbiculae St. Baltazar, iractus dicti Rio Alabapo.

XCIX (?!77.) **BKHURIA.**

(Wlprs. Repert. II. 118. — NaudiB, Ann. sc. natur. [3. S^r.] XV. 338.)

C. **CHITOIftIA** *Don.* (nee Moç. et Sess.)

(NaudiD, Ann. sc. natur. [3. S4r.] XV. 339.)

Flos 4-merus. Galycis tubus oblongus^basi ventricosus, superne angustatus, limbus dilatatus duplicatus, den Libus externis productis subulatis, internis membranaceis brevibus inter se confluentibus obtusissimis priorum basi adnatis ideoque parum distinctis. Petala ignota. Stamina 8 aequalia, antheris lineari-subulatis uniporosis antice undulatis, connectivo nee producto nee appendiculato. Ovarium in imo fundo calycis inclusum omnino adhaerens 6-loculare. Stylus filiformis, stigmatibus obtuso punctiformi. Fructus ignotus. Semina immatura ovoidea. — Arbuscula Antillana: trunco brachium faumanum crassitudine aequante; ramis supremis obscure 4-gonis, demum subteretibus, petiolis nervisque foiorum adpresse tomentoso - rufescentibus; foliis pefiolatis ovatis acutis interdumque subapiculatis, basi ut plurimum rotundatis integerrimis quintuplinerviis, in ^>rima juventute tomentoso - furfuraceis, mox pagina superiore glabratis, inferiore tomentum retioentibus et canescentibus; paniculis terminalibus ramulis nudis apice trifloris; floribus subsessilibus..

1. 'CH. ALBIÇANS *Don* mss. ex *Naudin* I. c. f - Habitat in Aotillis.

CI. SARCOMERIS *Naudin.*

(*Naudin, Apn. sc. natur. [6. Sir.] XV. 340.*)

Flos 6-merus. Calycis oblongo-turbinati seu pyriformis earnosi limbus integer aut obtusissime 6-lobus, tuberculis oblongis totidem, denticulorum externorum vestigiis angulatus, tubus obconicus aut cylindraceus. Petala unguiculata, limbo irregulariter rotundato, obtuse, apiculato, basi utrinque subauriculato. in anthesi reflexo, ungue crassiüsculo carnosulo, Hmbum longitudine subaequante. Stamina 12 aequalia aut subaequalia, antheris linearibus, apice subulato uniporosis, loculis antice undulalis, connectivo postice ad basin vix conspicue tuberculato; filamentis filiformibus. Ovarium toto ambitu et ad apicem usque adhaerens 4-Ioculare. Placentae lamelliformes, margine libero incrassatae. Stylus filiformis, stigmatate punctiformi. Fructus ignotus, verisimiliter baccatus. — Arbuscula Antillana 2—4-metralis fasti giatim et dichotome ramosa: trunco cruris Jiumani diametrum aequante; ramis tortuosis; foliis carnosocoriaceis rigidis petiolatis ellipticis obtusis, basi cordatis integerrimis 3-nerviis, pagina superiore mature glabratis, inferiore adpressissime furfuraceo-tomentellis; paniculis axillaribus terminalibusque parvis paucifloris; floribus ad apices ramulorum ternis sessilibus purpurascensibus ?

1. *S. CORIAGEA *Naudin I. cit. p. 340. f* — Habitat in aridis sabulosis insulae *vuigo* dictae lie des Pint probe Gubam Antillarum.

CII. HIICÖiriAISTRU]!! *Naudin.*

(*Naudin, Ann. sc. natur. [3. Sir.] XV. 341.*)

Flos 5-merus. Calycis tubus oblongus, in anthesi cylindricus, post anthesin magis ac magis basi ventricosus et sub limbo constrictus; •inibus dilatatus obsolete 5-lobus, denticulis externis punctiformibus aut subnullis. Petala obovata, apice integra, nonnunquam subinaequilatera, °btusa aut subacuta. Stamina 10 subaequalia, antheris lineari-subulatis U-pior siss nonnihl falcatis exappendiculatis. Ovarium oblongum ovoideum, nunc supra medium, nunc usque ad apicem adhaerens 3—4-loculare. Stylus gracilis exsertus, stigmatate punctiformi. Fructus subbaccatus ? £^alycis limbo persistente coronatus. Semina clavato-pyramidata. — 'rutex (annon potius arbuscula ?) Antillanus, *Miconias* phirimas facie refe-Jens: ramis obscure tetraëdTis aut subteretibus tomentoso-pulverulentis; (oliis petiolatis ovatis aut late lanceolatis acuminatis integerrimis submtegerrimisqne 3-nerviis; paniculis terminalibus pyramidaiis; floribus maenitudine mediocribus purpureis aut aJbis.

- 1* *M. LAMBERTIANUM *Naudin I. cit. p. 341. f* — *Melastoma Lambertiana* Bonpl. (non *Miconia Lambertiana* DC.) — Habitat in Anllilla, Jamaica et Cuba.

CHI. (6244.) TETBA1YO1A *Rich.*

(DC. Prodr. III. 172.— *Naudin, Ann. sc. natur. [3. Sdr.] XV. 342.*)

1. T. ELAEA6N0IDES DC. — *Naudin I. c. 342. f* — Subnrborescens: ramis supremis foliorumque pagina inferiore adpresse U>m<ntosia rufescemibus candicantibusyo ; foliis HI.

- lanceolato - olliipiicis acutis \ix autem ncummatis intcgemmis suptnplinervus, pagina superiore glnbrotis aut pub^o inconspicua punctulalis, pnmculis terminalibus brevibus oliganlhis, flonbus pro gcnre majusculis breviter pedicellatis — *Mclastoma elaeagnoides* Swrlz
 var (J *Martmnensis* foliis mollionbus obtusionbus mamfestius tnplinerviis, in herbano mgrescentibus, flonbus quam in typo speciflco minonbus — Habitat in Martinica
- 2 T LAXIFLORA Nnudin 1 cit p 343 f — Foliis ovato-lanceolatis graddtim acuminate, basi obtusis et subacutis integernmis, adjecto utroque nervulo submarginali 5-nervus, pagina superiore* glabratis, infenore tomento stellato pulverulentis, pamculis laxiflons, ram is subgracilibus, flonbus pedicellatis — Habitat ID insula Cuba, baud procul ub urbe San Yago *)
- II. Pag 612 no 2 MEMEFYLON LUTESCENS PrsI Epimcliae p 208 f — Ramis teretibus, ramulis tetragoms, foliis subsessilibus ovatis acutis, praeter costam enervnsave-mis, subtus flavis, basi rotundaiis, pedunculis axillanbus petiolo dupio longionbus* pedicellis cvmosis umbellaisque, calyce truncato denique inaequaliter rumpente et apparenter crenato, haccn globosa — Habitat in Malacca
3. MEMECYLON DTVrRSIFOLIUM PrsI 1 c f — Glabernmum ramulis terelibus jd nodos globoso-mciassails, foliis bicivissime peliolatis pinnalinervus aut ovalibus subrotundisve retusis mucronalis, basi rotundjtis, aul ovatis obtusis, basi rotundatis, costis subtus elevatis crnssis, ncrvis (enis primams) subtus exsiccaione prominulis, pedunculis (4 — 5 lin longis) axillanbus loviter octangulalis, umbella mulliradiata multifloia — Habitat in insula Luzon
- 4 MrMECYLON UMM LLATUM PrsI 1 c 208 + — Ramis rnmhsque teretibus, folns sessilibus ovato - oblongis acuminatis acutis penmnerviis, basi cordatis, pedunculis axillanbus et exlrnaxiilanbus f unique — septemradiatis angulatis, pedicellis umbellatis (apillanbus, calyce repando-quadridenticulato — Habitat in insula Luzon
- 5 MEMECYLON LUCIDUM PrsI 1 c p 209 + — Ramis ramuhoque teretibus foliis petiolalis ovatis utnnque obtusis, sublus obscure penninervus, supin lucidi*, pedunculis ex axillis annotinis foliorum lapsu denudatis exortis umbellatis teinis — quatecinis ic-tragonis subtriflons, pedicellis (lore aequilongis, basi bractea sufluhis, calyce turbinate quadndenticulato — Habitat in insula Luzon
- 6 MEMECYLON CUMMINGIAMJM PrsI I c f — Ramis toretiusculis, ramulis acute tetiagoms, foliis peliolatis rlliptico-lancoolatis obtuse acuminatis, basi acutis, subtus praeter costam enerMis el avenus, pedunculis aullaribus solitams petiolo dupio longionbus pedicellisque umbellato -corymbosis tetiagoms, calyce brevitei turbinate obscure quadndenticulato, bacca globosa (majuscula) — Habiit in insulae Luzon provmcia Albay
- 7 MEMFLYON PYRIFOLIUM PrsI 1 c p 210 f - Ramulis acutiuscule tetragoms, to-Ins peliolatis late ellipticis acuminatis obtusis, basi acutis, subtus obscure penninervus avenus, pedunculis axillanbus bims compressis petiolo longionbus, pedicelli' umbellaio-corymbosis pedunculum aequantibus, basi bracteolatis, calycis late turbinate limbo obsolete rcpando — Habitat in insula Bohol Philippinarum

II. Pag 612 6269A. CYUIELiOIVEUIA *PrsI*

(PrsI Epimel botanic 210)

Calycis tubus subglobosus, limbus erect us truncatus subrepandus scanosus. Petala quinque, calyu mserta, medio intus fasciculo pilorum

*) Monographiae Naudinianaefin era nondum vidi

instructa. Stamina quinque, petalis alterna et cum iisdem inserta, filamentis filiformibus planis, basi petalorum margini adnatis, antheris oblique insertis. Ovarium calycis tubo adnatum quinqueloculare, loculis pluriovulatis. Stylus simplex angulatus, basi annulo carnosio quinquecrenato quinesulco insertus. Stigma magnum subglobosum apiculatum, basi involucreo cyathiformi denticulato stipatum. Bacca calycis limbo et annulo carnosio coronata globosa, immatura visa.

I. *C. MEMECYLOIDES Prsl. 1. c. f — Habitat in insula Samar PhUigpinarum.

II. Pag. 612. 6269/2. I J E X C Y M M O E A Prsl.

(Prsl. Epirael. botanic. 211.)

Calycis tubus hemisphaericus, ovario adnatus, limbus brevis truncatus integer. Corolla calyci inserta, ultra medium quinquefida, tubo cylindrico, laciniis ovato-triangularibus patentibus. Stamina creberrima, filamentis fundo calycis insertis liberis filiformibus corolla longioribus; antheris transversis medio affixis bilocularibus, loculis hemisphaericis. Ovarium hemisphaericum triloculare, loculis biovulatis. Stylus simplex arigula&o-striatus, apice crassescens. Stigma simplex. Bacca . . . ? — Arbor? Frutex?: ramis oppositis ad nodos incrassatis. Folia petiolata, cum ramo articulata coriacea oblongo-lanceolata integerrima pinnatinervia. Pedunculi axillares solitarii brevissimi, apice pedicellos umbellatos gerentes. Flores sesquilineam vix superantes, rubri.

I. *L. SALICIFOLIA Prsl. I. c. f — Habitat in Martabania ad Moulmine.

Ordo LXXXVM. MYRTACEAE R. B.,-

¹¹. Pag. 618. no. 2. CALLISTEMON BRACHYANORUM Lindl. Journ. of the horticult. soc. IV. 112. adn. & 113. c. ic. — Ramis teretibus pubescentibus; foliis linearibus pungentibus canaliculatis enerviis; calyce tomentoso; petalis inaequalibus pubescentibus, staminibus sanguineis duplo brevioribus. — In Nova Hollandia.

¹². Pag. 619. no. 3. METROSIDEROS ROBUSTA A. Cunningh. — Addatur: Lindl. Journ. of the horticult. soc. III. 311. c. ic.

II. Pag. 641.

6328. FOETLDIA.

(DC. Prodr. III. 295.)

¹. P. RETUSA Blume, Mus. bot. Lugd. Batav. p. 144. no. 326. f — Foliis petiolatis ovalibus retusis, basi subacutis; calycis tubo rugoso, limbo 4-partito. — In Ambongo (ubi?).

*². F. OBLIQUA Blume I. c. p. 145. no. 327. f — Foliis subsessilibus oblongis ovalibusve saepe oblique retusis inaequilateris; calycis tubo laevi, limbo 3-partito. — Habitat in Madagascar.

Ordo XCLII. BEGONIACEAE *R Br.*5153 BEGOXIA *linn.*

(Wlps Report II 206 ft 934 V 766, Annal I 318 II 649 — Notes **uptn** Begonia by Mr J DONALD in Lindl Journ of the hortie soc I 132—142)

II Pag 650 no 2b BLGONf A BIS ERRATA Lindl Journ of live hortie soc U 313 adn — Plecti peiennis, undique scabro - pubescens radice flbroso, caule slncio, folns palmntis tnlobisque biserratis, baseos sinu aperte tnangulan, pedunculis terminilibus axillanbusque peliohs longionbus, sepalis 2 subrotundo-ovatis biserratis, petalis 2 raulto mmonbus snbcuncatis dentatis glabns, fructu villosio fete isoptero, alia (iiiatemala)

II Pag 650 no 2b BEGONIA CORIACEA Hsskrl Plant Javan ranor 209 f — Herba peiennis radice luberosa, caule humili erecto, folna pellalis subrolundo - ovalis repando crenaiis gh>cmms nilidis conaceis, subtus atiopurpureis, cyma brevi multi-Dora, nlyce toiraplijllo, foliolis extermis rotundatis, internis obovato-spathulatis, Iru-ctibus subaequalitei inalatis alls somiorbicularibus — (Wlprs Annal I 318 no 3 absq diagn) — *B peltata* Hssk — Wlprs Report V. 766 no 2 — Java

Ordo XCIII. PASSIFLOREAE *Juss.*

II Pag 65d

f **Icon addenda.**

TACSONIA MOLLISSIMA II B Knth — DC Prodr III 334 no 11 — I mdl Jouin of the hoitie soc II 248 c ic xylogr

Ordo XCV. LOASACEAE *Lmdl*

II Pag 656 no 2 MFNTZELIA PLDICELLATA Prsl Epimel botanic 24b absq diagn — *M sttpitata* Prsl Reliq Haenk U 40 (irac DC)

II Pag 656 5185 ORAAOEATOCARPITS *Pi'si.*

(Wlprs Reven V 778)

1 *GR CUMMINGII Prsl bpimel botanic 246 — Folioium lobis obovaio-oWoogU **obtusis**, floribns pedunculatis, calyce petalis tnplu brevlore — Chile

Ordo XCVII. PORTULACEAE *Juss.*

- I. Pag. 661. no. 1. TALINUM CALYGINUM Kngelm. Sktch. of the bot. of Wislii. exped. P 4. adn. (A. Gray, Plant. Fendler. 14. no. 72.)

Ordo XCVIII. CRASSUIACEAE *DC.*

- II. Pag. 667. no. 1. *GRAMMANTHES GENTIANOIDES DC. - Adde: Paxlon a Lindl. Flow. gard. I. 15. Og. 7.
- II Png. 669. no. 3. ECHEVERIA RETUSA Lindl. Journ. of the horlic. soc. II. 306. adn. — Foliis obovato-spatbulatis, demum sparsis, vetustis retusis glaucis orenulatis, caulinis lineari - oblongis integerrimis, basi solulis; panicola densa subcory nabosa, ramis paucifloris; sepalis linearibus inaequalibus, corolla brevioribus; petalis carinalia acutis, basij gibbosis. — Mexico.

H. Pag. 671.

f gpeeles dabra.

10. SEDUM nov. spec? Wirtgen, Flora (B. Z.) XXXIH. 83. - CiuHcuHs bretibus obtusis obconicis; foliis superioribus adpressis, inferioribus patentibus, uirique planis, infra primum convexis, acute aristatis, cauli adpressis, plerumque purpureis, eneterum laete viridibus, basi acute calcaratis; inflorescentia ebracteata, ad flores inferiores bracteae rudimentum rarissime reperiendum est; laciniis calycinis ovatis obtusiusculis, in alabastro petalis dimidio brevioribus; petalis oblongo-ovalis aureis odoratis; ramulis fructiferis glomerato-contracta. — Ad Rhenura (bei Coblenz).
- "• Pag. 671. no. 2. SEMPERVIVUM DOELLIANUM C. B. Lehnwnn, Flora (Allgemeine botan. Zeit.) XXXIII. pag. 449. — Foliis rosularum oblongis acutis glabris retrorsociliatis, subfasciculato-barbatis, pilis radiato-divaricatis arachnoideis apices foliorum juniorum connectentibus, caulinis oblongis basi latioribus; petalis stellato-expansis ovato - lanceolato - acuminalis calyce subtriplo longioribus; squamis typogynis minutissimis. — Habitat in Helvetiae alpinis.

Ordo CI. CACTEAE *DC.*

- II. *ag. 681. no. 44. MAMILLARIA MACROMERIS Engelm. Sktch. of the bot. of Wislii. Exped. p. 13. adn. — Simplex ovata: tuberculis laxis, e basi latiore elongatis cylindricis incurvis sulcatis; areolis junioribus albo-tomentosis; aculeis angulatis reclinatis elongatis, omnibus porrectis, radialibus sub-12 tenuioribus albidis, centralibus sub-3 robustioribus longioribus fuscis; floribus maximis roseis; sepalis ovatis acutis fimbriatis; petalis mucronatis fimbriatis; stylo supra stamina brevia longe exserto; stigmatibus octo. - Habitat in Mexico boreali.

- 45 MAMILLARIA COMPACTA Engelm I c 21 adn — Simplex hemisphaenca seu depresso-globosa tuberculis abbrevialis ovoideo-conicis sulcalis, areolis ovato-lanceolatis junioribus albo-tomentosis, aculeis omnibus radialibus, 13 — 16 subaequalibus, 10-bustia recurvatis adpressis intertextis albidis, superonibus apice fuscis, sulcis tuberculorum axillariis que junionibus et vertice tomentosis, flonibus in vertice congestis, baccis ellipticis, pengomo coronatis vindibus, scimibus obovalis laevibus fulvis. — Habitat in Nova Mexico (Cosihuiriachi)
- 46 MAMILLARIA GUMMIFERA Engelm 1 c adn — (Annal II 681 DO 42)-LacUflua simplex hemisphaenca tuberculis quadiangulaio-pyramidatis, anllis areolisque junionibus albo-tomentosis, aculeis rectis, radialibus 10 — 12, minoribus robustis, apice fuscis superiorem seiacos albidos tunc superantibus, centralibus 1—2 robustis brevibus fuscis punctis — Habitat in Nova Mexico (Cosihuiriachi)
- 47 MAMILLARIA BARBATA Engelm 1 c adn — Simplex globoso-depressa tuberculorum axillis nudis, aculeis radialibus numerosissimis pluriserialibus, extenuis piliformibus albis sub-40, interioribus paulo robustioribus fulvis 10 — 15, centrali singulo robusto ununalo fusco obovato, baccis oblongis vindibus, apice flous rudimento coronatis — Habitat in Nova Mexico nd Cosi
- 48 MAMILLARIA STROBILIFORMIS Engelm 1 c 29 adn — Simplex ovaio-conica tuberculis imbricatis adpressis conicis appianatis sulcalis, aculeis locis, radialibus sub-10 distinctis junioribus 3 fusco-albis, 2 minoribus suisum versis, singulo longiore porrecto flonibus in vertice lanatis junioribus, ovano lanoso, sepalis sub-10 lanceolatis acutis integris, petalis sub-24 ovaio-lanceolatis mucronatis integris vel versus apicem erosis, stigmatibus 7 flavis erectis - paleulis exsertis — Habitat in Mexico (Rinconada)
- 11 Pag 682 no 10 ECHINOCACTUS WISLIZI Engelm Sketch of the bot of Wisliz exped 12 adn — Gigameus vertice villosa tomentosa, costis acutis cineratis areolis oblongis approximate, junioribus fulvo-tomentosis, aculeis radialibus flavis demum cinereis punctis, lateralibus sub-15 setaceis elongatis laeviusculis, summis multisque 5 — 6 bicoloribus robustioribus annulatis, centralibus rubellis annulatis 3 rectis suisum versis, 1 inferiore lobulissimo, supra piano, apice reflexo-hamato, flonibus subverticalibus, ovario et tubo brevi campanulato, sepalis imbricatis aunculato-cordatis 60—80 serialibus, sepalis interioribus 25 — 30 ovalis obtusis, petalis lanceolatis mucronatis cineratis, stylo supra stamina numerosissima breviter longe exserto, stigmatibus filiformibus 18—20 erectis, bacca ovaia lignosa imbricata-squamosa. — Habitat in Mexico prope Oonana
11. ECHINOCALYX FLEXISPINUS Engelm 1 c it adn - Globosus vertice subnudo, costis 13 oblongis, tuberculato-subinterruptis, areolis ovalis, junioribus albo-tomentosis distantibus, aculeis junioribus tubellis, demum cinereis, radialibus 9 — 11 rectis seu subflexuosis, superonibus tenuioribus, primo brevioribus curvatis, lateralibus longioribus compressis annulatis rectiusculis, junioribus 4 angulatis compressis annulatis, 3 superioribus rectiusculis seu curvatis, inferio longissimo flexuoso, plerumque paulo uncinato deflexo — Habitat in Mexico (inter Chihuahua & Pinar)
- 12 ECHINOCALYX UNGUISPINUS Engelm 1 t adn — Depresso-globosus costis 21 interruptis tuberculatis, areolis approximate, junioribus albo-tomentosis, aculeis radialibus sub-21 tenuioribus albidis recurvis inleicatis, centralibus 5 (rarius 6) robustioribus longioribus coarctatis, sursum versis, singulo robustissimo fusco deorsum flexo, ovario tuboque brevi sepalis membranaceis aunculato-cordatis imbricatis stipato, petalis oblongis obtusis, sigmate brevissimo conico 10—15-sulcato (s parvius?) — Habitat in Mexico ad Pelayo
- H Pag 684 no 7 CERLUS GREGGII Engelm Sketch of the bot of Wisliz exped 18 adn — Erectus ramosus pentagonus areolis distantibus oblongis nigro-tomentosis >

aculeis nigis brevissimis, e basi incrassata subulatis, acutissimis, 6-9 radialibus subrecurvatis, inflexis longioribus, centrali singulo deflexo minuto, tubo floris elongato areolis 60—80 cinereo-tomentosis setas 6—12 magnas seu apice albas gerentibus stipato, sepalis interioribus 15—20 et petalis 15—20 lanceolatis acuminatis nigis — *C. Pottsii* ("») — Habitat in Nova Mexico

II Pag 684 XII ECHIWOCCEREIJS *En § elm*

(Engelm Sketch of the bot of Wislitz exped p 7 adn)

Pei ignon tubus ultra germ en productus abbreviatus Sepala extensa seu lobi subulata, in axillis tomentosis setas seu aculeos gerentia Sepala interiora subpetaloidea et petala longiora plunseiaha totollam breviter multifiduliformem seu subcampanulataem aemulantia Stamina numero maxima tubo adnata, limbo breviora seu eum subaequantia Stylus stamina sex superans Stigma multiradiatum Dacca pulvilligera setosa seu aculeata, perigonio coronata Semina testa dura tuberculata nigra tibiis vivis curvatis, cotyledonibus brevibus contrariis

- 1 *F. VIRIDIFLORUS* Engelm I c adn — Ovato-globosus humilis sub-13-costatus areolis lanceolatis approximate, junioribus villosis, aculeis 16—18 rectis radiantibus, lateralibus longioribus fuscis, reliquis albidis, centrali nullo seu elongato robusto, ipice fusco, floris lateralibus, tubo pulvillis 25 — SO albo-tomentosis setis albas 5—10 gerentibus stipato, sepalis interioribus lineari-oblongis sub-10, petalis 12—15 lineari-oblongis obtusis, baccis ellipticis virescentibus, seminibus parvis tuberculatis — Habitat in Mexico boreali
- 2 *h. TRIGLOCHIDIATUS* Engelm I c 9 adn — Ovato-cylindricus 6—7-costatus costis undulatis acutis, areolis sparsis orbiculatis, junioribus albo-hyalis, aculeis 3—6, perigonio 3, rectis compressis angulatis cinereis subdeflexis, floris lateralibus, tubo pulvillis 15—20 albo-tomentosis setas spinosas, apice fuscas 2—5 gerentibus stipato, sepalis interioribus sub-12 oblongo-linearibus obtusis, petalis 12—15 obovatis obtusis staminibus petala subaequantibus, stigmalibus 8—10 virescentibus — Habitat in Mexico boreali (Santa Fe)
- 3 *E. COCCINEUS* Engelm I c adn — Globoso-ovatus 9—11-costatus costis tuberculosis subinterruptis, areolis ovatis, junioribus albo-tomentosis, aculeis radialibus 9—10 albidis rectis oblique porrectis, superioribus brevioribus, centralibus 1—3 longioribus albidis seu corneis floris lateralibus, tubo pulvillis 18—25 albo-tomentosis, setas lenes albas 8—11 gerentibus stipato, sepalis interioribus 8—10 oblongo-linearibus obtusis, petalis 10—12 obovatis obtusis, staminibus brevioribus, stigmatibus 6—8 virescentibus — Habitat in Mexico boreali
- 4 *E. DASYACANTHUS* Engelm I c 16 adn — Ovato-oblongus seu subcylindricus, 17—18-costatus costis tuberculatis subinterruptis, areolis approximatis, ovato-lanceolatis, junioribus albo-villosis, aculeis albidis, junioribus apice rufis, radialibus sub-18 porrectis, summis brevioribus tenuioribus, lateralibus inferioribusque longioribus, centralibus 4—6 plunibus deflexis — Habitat in Nova Mexico
- 5 *E. POLYACAMHUS* Engelm I c 20 adn — Elongato-ovatus 10-costatus areolis elevatis ovatis «ubapproximatis, junioribus albido-tomentosis, aculeis radialibus 10—12 laevibus, apice adustis, magis minusve porrectis, lateralibus majoribus, demum subadpressis, superioribus minoribus, centralibus sub-4 cornatis, apice fuscis, 3 superioribus sursum versis, inferioribus singulis longiore porrecto, demum deflexo — Habitat in Nova Mexico (Cosihuinachi)

- 6 *h* ADUST US Engelm I c adn — Ovatus 13—15-costatus areolis olevaus lanceolatis approximalis jumonbus albo-tomentosis, aculeis radialibus 16—18 adpressis albis, apice adustis, 4—5 supeilonbus brevibus, setoecis, lateralibus infeonbusque longionbus robustioribus, centrali nullo — Habitat in Nova Mexico (Gosihuiaci)
- 7 E RADIANS Engelm 1 c adn — Ovatus 13—14-costatus areolis elevatis ovalis bubapproximatis, jumonbus albo-villosis, aculeis radialibus 16—20 adpressis, jumonbus opice adusiis, supenonbus brevibus setaceis, lateralibus infenonbusque longionbus robustioribus, centrali[#]singulo porrecto robusto fusco — Habitat in Nova Mexico (Losihuiachi)
- 8 L RUHSPINUS Engelm 1 c adn — Elongato-ovatus 11-costatus areolis elevatis lanceolatis approximate, lunionbus albido-villosis, aculeis radialibus 16—18, demum adpressis intertextis, 3—5 supenonbus setaceis brevibus nlbis, lateralibus elongitis fuscis recurvis, centrali singulo robusto fusco porrecto — Habitat in Nova Mexico
- 9 F PECTINATUS Engelm 1 c 26 adn — Simplex (an semper?) ovato-cylindricus, 23-cositus, areolis elevatis linearibus approximate, jumonbus albo-villosis, aculeis radialibus 16—20 subrecurvis adpressis pectinatis albis, apice roscis, superioribus infeonbusque bievionibus, lateralibus longionbus centralibus 2—5 brevissimis unisetatis, tubo floris pulvillis 60—70 breviter tomentosis aculeos albos seu apice roseos 12—15 gerentibus stipulis sepals interioribus 18—20 oblanceolatis, petalis 16—18 oblongis obtusis eroso-denticulatis mucronatis — *Echinocactus peckhamii* Scheidw — *E. pectiniferus* Lem — Habitat in Mexico (Chihuahua)
- 10 E CAESPITOSUS Engelm I c adn — Ovatus caespitosus 13—18-costatus areolis elevatis imbricatis approximate, jumonbus albo-villosus, aculeis radialibus 20—30 subrecurvis adpressis pectinatis albis (nonnumquam roseis), superioribus infeonbusque bievionibus, lateralibus longionbus, centralibus nullis, tubo floris pulvillis 80—100 longe emereo-villosis setas apice seu totas fuscas seu mucronatas 6—16 gerentibus, stipato, sepals interioribus 18—25 oblanceolatis integris seu denticulatis, petalis 30—40 obovato-lanceolatis obtusis acutis seu mucronatis ciliato-denticulatis, *sligmale* vridi intundibuliformi 13—18-partito, bacca vindi ovata, pengomo coronata, villosa setosa, demum nudata, semibus obovatis tuberculatis nigris — *Echinops pectinata* Auctor ex p — *Cereus caespitosus* Engelm — Habitat in Republica Texensi
- 11 E HNEACANTHUS Engelm I c 27 ndn — Ovato-cylindricus 10-costatus artolus elevatis orbiculatis distantibus, jumonbus breviter albo-tomentosis nculcis angulatis compressis rectis albis radialibus 8 subaequalibus, centrali singulo longioribus, demum dellexo, floris tubo pulvillis 30—35 albo-tomentosis setas spinescentes albas tuscatas inferioribus 6, supenonbus 2—3 gerentibus stipato sepals interioribus 10—13 oblongo-linearibus, petalis 12—14 linearibus oblongis obtusis seu mucronatis, apice denticulatis stigmatibus supra stamina breviter exsertis, 8—10 linearibus elongatis — Habitat in Mexico (Chihuahua)
- II Pag 68b no 4 OPUNTIA ARBORSCULNS Engelm Sktch of the bot of Wislitz exp b adn — Caule lignoso erecto, minis horizontalibus, ramulis cylindricis luviculatis aculeatissimis, areolis oblongis brevissimae tomentosis, aculeos 12—30 coequeos stramineo-vaginato teretes undique punctos gerentibus, ramuli versus apicem floriferi, ovato-tuberculato, tuberculato sub-20 apice sepala subulata et areolas *tomato* cum sens paucis albidis gerentibus sepals interioribus 10—13 obovatis, potato obovatis obtusis seu marginatis stigmatibus sub-8 patulis, bacca flava sicca ovato-globosa tuberculata, profunde umbilicata — Habitat in Nova Mexico in montosis
- 5 OPUNTIA CLAVATA Engelm 1 c 11 adn — Prostrata ramulis ascendentibus obovato-clavatis tuberculatis, areolis orbiculatis albo-tomentosis, marginibus setas albas filineas gerentibus, aculeis albis complanatis radiantibus, b—1 minoribus, centralibus 4—7 majoribus, longioribus deflexis, floris tuberculatis, areolis *ovatis*

30—44 albo-tomentosis, setas albas 10—15 gerentibus, sepalis intencionibus ovato-lanceolatis mucronatis seu cuspidate, petalis obtusis erosis saepius mucronatis, stigmatibus 7—10 brevibus erectis, bacca elongata-clavata, profunde umbilicata setifera — Habitat in Mexico ad Albuquerque.

- 6 OPUNTIA VAGINATA Engelm Sklo of the bot of Wislitz expedit 16. adn — Caule lignoso erecto, ramulis tetraedris vix tuberculatis, areolis orbiculatis albo-tomentosis, margine superioris fasciculum satarum brevium fuscarum,* inferior* aculeum elongatum comera, vagina laxa serratim in?oium deflexum gerentibus, floribus parvis, ova non obovata, areolis 13 tomentosis setigeris siipais, sepalis intencionibus 8 et petalis 5 obovatis mucronatis, bacca obovata profunde umbilicata carnosissima auranuaca, semibus pruinosis — Habitat in Nova Mexico

Ordo GUI. SAXIFRAGACEAE DC

H Pag 689

4639. HEUCHESA Linn.

•(DC Piodr IV 51 - Wlprs Reprt II 869, Anna! I 337)

- ¹ H BANGUINEA Engelm Sklo of the bot of Wislitz expedit 23. adn — Petiolis patentibus pilosis, foliis sinuatis hinc inde orbiculatis 5—7-lobatis, lobis incisive dupliciter denticulatis, nervis pilosis, scapo nudo, infra parce piloso, supra cum pedicellis calycibusque colorato glanduloso, floribus laxe campanulatis calycis lobis omnibus obtusis subaequilis, petalis lanceolatis persistensibus, turn staminibus pluribus inclusis — Habitat in Mexico boreali

Ordo CIV. UMBELLIFERAE Jus*

- ¹ P. 700 no 5 BUPLEURUM CORSICUM Fosson a Kralik, Notes sur quelques plantes de la Corse II 56 + — Planta perennis caudice in radice fusiforme terminata foliis foliosis, 2-3 decimetris longis, basi suffrutescens ubique puberulis omnibus tectis a basi rimosissimus, nervis stantibus, valde fistulosus, pressione levi compressibilis stantibus glabris Folia omnia acuta, 5—9-nervia, inter nervos transverse venosa, radicalia in rosulam fasciculata 10—25 centim longo, elongato-lanceolata in pedicellum longe attenuata, subulosa, caulibus lanceolatis vel hinc inde, magis minusve sessilibus involucra dimorphica, foliis aequalibus linearibus lanceolatis Umbellae 6—10-radiatae, radiis gracilibus suberectis confertis, magis minusve inaequalibus Involucella 4—6-phylla, sub anthesi pedicellis subdunidio bieviora, foliis lanceolata-acuminata Pedicelli fructu paulo bieviores Fructus jugis promissis, anguste alatis, valliculis plenis, egranulosis umbratis, calyptra bipartita

II Pag 701

4418. OEW4IVTHE Lam

{DC Prodi IV 136 - Wlprs Reperl II 389 V 863, Annal I 347)

1 OE ANOMILA fosson ft Duneu, Notes sui quelques plant du midi de l'Espagne III 138 f — Piano pelenms baud stolomfcia fibns rndicalibus plusque in tuber claiuim, apico in flbi illam ahiens scnsim incrassatis Caulis eiectus, 3—7 decim longu<, innus 10—12 decim supeians, strialus flslulosus, parce i.imosus, nliquando a basi ram> 1—2 emuiens, nonnumquam sub umbella terminali lamum edens Folia radicalia et infeuoia *Oc aocalam* leferentia, petiolala bipinnatisecla, scgmentis cuneatis pinna tipirtitib, lacinns lanccolatis lineanbusve cuspidalis cjulma supenora limbo apice petioli in vagiuam dihtati scssili, lacinus indivisi9 linean-elongitis acummatis Urabe'lae paucae, laiernles aliquando aborlientes, umbella primana 6—1? mdiala, radns saepius omnibus fructifens longiusculis vix mciassaus, involucrum nullum vcl oligophvllum, foliolis deciduis Petala extenora radiantia, basi cuneala, ad medium flssa Umbellulaf fiuctifnae subglobosae, pedicellis ftuciifens bieussimis, extenonbus sterilibus elongntis quasi brnclentis Fiuctus styhs longior, majusculus ovato-oblongus, basi Inud olloso-incrassnlus, sub calycis limbo piululum contracts, a dorso compressius-CUIII, penorpio tenui, pleiumque jugis doisnlibus et intermediiis obsoleiis, mirginalibus tantum crassiusculis, inde caipella dorso costaia videntur, vitlis 4 rarius 5 — 6 suh penarpio lineas elevatas eTurmantibus locum jugoi um secundanorum obtinentes, missime jugt dois.tlia et intermedia quamvis tentua mamfeste apparent cl lunc viltae in valleculis aolitanae — Habitat in paludosis el in herbosis humidis Algerian

u Pag 702 4440! PORTEIYS€HIi%GIA Vmani.

(Visiam, Flora [Allgem bot Zeit] XXXIII. 570)

Calycis margo denlibus quints lanceolato-subulalis. Petala obo\ata, longe unguiculata, apice emarginato-inflexa, conniventia Fructus oblongo-o\alis subtres, collo coarctalus, stylis longis reflexis coronatus, caipelli ncnemjugah jngis primanis quints crassis obtusis, extimis mar* ginantibu^, quatuor sccondanis filiformibus, omnibus stellulato - pilosis, valleculis unmtlatis profundis, vittis contiguis, commissura bmttata Col um el I a bifida libera

I 'P RAMOSISSIMA Visiafki 1 c — *Alhomanta ramosissima* Poitenschl — Habitat »^p Dalmatia

II Pag 704 4457/. T%EIVIOPETAIiUI<I Vistam

(Vi.iani, Floia [Allgem boi Zeit] XXXIII 571)

Calycis margo qutnqueparlitus, dentibus o\atis acuminatts, margin membranaceis. Petala subrotunda Integra imoluta crassa costata» margine membranacea, ultra apicem contractum in appendicem sub* rotundam mpbranaceam emarginatam expansa Stylopodium floj^{1*} convexum. margine depresso utnnque quinquecreuatum, styhs erect^{*5} brevissimis, in fruclu com cum, styhs reflexis, stigmatibus globulosis

Fructus ovah-oblongus, a dorso compressus, margme crassiusculo piano cmctus, sectione transversali oblongo-hnean, lepidoto-cinereus, carpello utnnque quinquejugato, jugis extimis obsoletis vel in marginem abeuntibus Valleculae prominulae, vittis sohtanis pencarpio tectis Commissma vittis bims superficialibus Columella bipartita libera. — Genus *Ferulae* affine potius habitu quam iharactenbus; differt enim calyce, petahs et fructu, ab omnibus autern *Peucdanets* discrepat epicarpio squamuloso \iltas omnino occullante, petalisque lmeis ramosis vittas resiniferas fructus simulantibus exornatis.

i (NEUMAYERI Vi«iom I c — Habitat in msula JaMian pi ope Rsgusam el in monte Dmara

ii rag 71 b 4492/x **GUILXONEA** *Cosson.*

(Cosson, Notes sur quelques pi du midi de lEspngne HI 109)

Calycis limbus 5-dentatus, denUbus minutis. Petala alba villosa patentja, late ovata in lacinulam inflexam acuminata, neutiquam emarfcinata, neno medio \alido Fructus subtercs octo-alatus, stylopodus depiessis margme undulato-subcrenato coronntus, carpellorum juga pnmana quinque filiformia, dorso dilatata, lateralialia piano commissurrah irnposita, secundana qualuor, omnia in alam membranaceam mtegram expansa, cxtenora marginantia, valleculae univittatae, et inde vittae sub dli^ posilae, commissura planmscula biviltata Carpophorum bipartitum Albumen \entre pa rum aicutum et inde canalis inams inter albumen et pencaipium. — Planla perennis scabro-pubescens. Folia bi—tn-pinnatisecta, segmentis denlatis Umbellae plunra.diatae; mvolucrum ""olucellaque polyphylla. tructus jumores pedicellique albo-tomentosi.

i G SCABRA Cosson 1 c 110 f— Phnta perennis caudice verticali ad collum fibnllis fustescentibuB (foliorum emarcidorum vestigus) dense stipato Caulis 7—15 decimetia longns ereclus, superne ramosus, tercs sinatus glaucescens, nodis subincrassatis Folia radicalia palcnlia nmpla ambiu inangulana, petiolata, petiolis dense pubescenti-^cabns, inpinnaiisecta glaucescentia scabra, divisiombus pnmainis petiolalis, segmentis tuneato-oblongis v oblongis vel oblongo-lanceolalis, incisus vel dentatis, deniibus mucronulatis, caulina.pauca, pleraque ad vaginam amplam reducta Involucruro poly-Phyllum, foliolis post antliesin reflexis, lineanbus, npice subulatis, margme VIII0AUIIS Umbellae 9—15-, ranus 7—8-rndiatae, radiis elongatis Involucelli foliola villosa linean-«ubu)oia reflexa pedicellos villosos - tomentosos subaequantia Dentes calycini minuti, brevii acummati Petala dorso albo-villosa Stylopodia majuscula viridi-lutescentia (flonbus pedicellisque MIOSIS et stylopodus majusculis planta *Magydartm* refert) Fiuctus jumoes undique albo-lanati, juga pnmana dorso utnnque dilatata, secunda-¹¹⁸ i m fructu matiro in alas glabras diamelrum transversum fructus superantes expansa — *Lasennhumscatoum*Cw Icon II 72 tab 190 — *Laserpxtum glaucum* Cav — *Ltoeipitmm canescens* Boiss ? — Wlprs Repert II 418 no 3 — Habitat in sylvaticis ""ontanis inferlonbus regm Murcici, Sierra de Segura

ii pag 719 4514A **CUSOCARYUKE** *Cosson.*

(Cosson, Notes sur quelques pi dn raidi de lEspngne HI iU)

F Calycis limbus obsoletus. Petala obcordata, cum lacinula mflexa Uttus a lateie compressus linean-oblongus, mencarpus hnean-sub-

teretibus, jugis primarij 5 aequalibus tenuibus in tota longitudine men-
carpn evidentibus, lateralibus margmantibus, secundarus nullis, valle-
culis univittatis, vittis latiusculis fere toto vallecutam occupantibus,
commissura bivittata, stylopodia elongato-conica basi haud dilatata,
stylh elongati erecto-divergentes. Carpophorum liberum, ad medium
fissum Albumen facie commissurali sulco profunde exaralum, mar-
gimbus subinflexis — Herba in Euiopa austrah et Barbana indigena
Caudex bulbiformi-subglobosus Folia bi—tnpmnatisecta, segmentis
anguste hneanbus Umbellae umbellulaeque plunrachatae, radns sub-
aequahbus, involucrum nullum, involucella polyphylla Flores albi, vel
albo - purpurascens

- 1 G CAPILLIFOLIUM Gosson I c 113 + — Gaudex bulbiformis carnosus subglobosus,
magmiudine nucis Avellanae vel paulo majoi Caulis solitanus 3—5 decira longus
erectus simplex vel parce ramosus, ramis elongatis subaphyllis, tenuiter stnatus
glaber vel ad basin subvillosus-pilosus Folia radicalia tempore florescentiae emarcida
vel evanida, petiolata. , caulina pauca remote bi — tnpmnatisecta, vagina elongata
raargme glabra pilosave, segmentis lobisve angustie lmeanbus elongatis mucronatis
margine scabnuscis, supenora saepius tusecia, segmentis in vagina sessitibus elon-
gatis, saepe plus quam 5 centim longis Involucrtnm nullum vel monophyllum invo-
lucella polyphylla, foliolis lineau -subulais, margine albido-membranaceis Umbellaf
12—20-radntae Corolla petalis albis aut interdum albido-purpurascens subaequali*
bus Fructus lineau -oblongus, 5—6 millimetr longus, stjlis subtnplo longioi —
Myihis capyllifolia Guss — *Bunmm capillifolium* Deri — *Conopodium captUifoliW**
Boiss — *Bunwm lea;uosum* Brot — *Bunmm lenuifoUum* Salzm — *Hunmm denudatnw*
(3 *Siculum* Guss — Habitat in dumetosis nicnosis ad basin moniis Siena de Segura
legm MurcJci, in Lusitama et in Barbina

II Pag 719

4517A. HETEROTABIVIA *Bom*

(Wlprs Repeit V 910)

- 1 H AHVE>SIS Cosson, Notes sur quelques pi du midi de l'Espagne HI HI t ""
Caudex carnosus bulbiformit subglobosus Caulis 3—4 decimetr longus, basi asceP-
dens, fere a basi ramosus flexuosus, tenuiter sliatus, interne sagpius pubescenli-p»l°*
sus, supra bulbum auenuatus Folia pauca remota, radicalia , caulina vagina mar-
gine pilosa, bi—tnpinnatisecta, segmentis petiolulatis, segmentis lobisve rigidia hnean*
elongatii apice mucronatis, supenora saepe trisecta, segmentis indivisis InvoluGruP^d
involucellnque nulla Umbellae. 5— 9-radiatae falycis limbus obsoletui Petals «^a
subaequalia ovata in lacinulam acummaia, lacinulae inflexione emarginaia Fructts^a
Intore tompressus ovato - oblongus, mencarpns obiongis , jugis pnmariis 5 tenuib⁸
aequalibus feie obsoletis, secundarus nullis, valleculis 3-vittatis, vans subinaequalibo*¹
sl)lopodia depiessluscula, basi dilatata, sl^li Trudu subtnplo brevioies diveig6nt<^s
fflrpophorum⁹ Albumen id commissuiam sulco profundo exaraium, marginibtt*
NuhmUxiH — llnbital in nrvi» iigioma cnlnlno supoioonM ml limm monlia Sierro ^
Villn voiflo piopo uilinn Hlopnr *Tt gut* MIHCICI in Iliopnnia
- 2 II (CONOPODIUM) UOUftGAH (osaon 1 c 110 f — Caudex carnosus bulbiforiuis
subglobosus Caulis 2—7 dectm longus erectus, parce ramosus, tenuiter stnatus, safl-
pius longe el sparse pilosus, infine supia bulbum atenuatus Folia pauca lemota.
radicalia tempore florescentiae saepius emarcida vel evjnida, longe petiolata, ambitu
tnangulana bipionatisecta, segmenis infenonbus petiolatis pimiatipartitis, lobis llneari-
bus vel oblongo-lmeanbus mucronatis, maigme scabns, supenora vagina saepius ~~...~~

gine membranacea pilosa, iii—tripinnatisecta, lobis linearibus, segmentis internodiis in apice vaginae saepius sessilibus, inrie folium quasi palmatisectum opparet Involucium involucellaque nulla Umbellae 6—4-radialis Calycis limbus obsoletus Petala alba obovata emarginata cum lacinula inflexa, extensa majora radiantia Fructus a lateicombreus ovato-oblongus, apice attenuatus, meris ovalo-oblongis, apice in rostellum brevissimum angustatis, jugis pinnatis 5 lenibus filiformibus aequalibus, secundariis nullis, valliculis 2—3—vatis, vitis subaequalibus, stylopodii subcommissura basi dilatata carpelli rostellum latiora laticulisque annulatis supereminentia Carpophorum liberum, apice bifidum Albumen ad commissuram sulco pro fundo exaratum, marginibus subreflexis — Habitat in urabrosis montis Sierra de Segun regni Murcici in Hispania

Ordo CZ. RUBIACEAE Juss.

H Pag 736 GALIUM addatur 1* b GALIUM (*Tnchogahum*) CONCATINATUM Cosson Notes sur quelques plantes du midi de l'Espagne II 38 — Planta perennis Caules 2—5 decim longi, erecti vel ascendentes, caespitiosi graciles virgati rigidi subsimplicia subtomentosa, saltem inferne breviter tomentosa sensim Folia in verticillos 5—10-phyllos disposita, linearia—angustata, apice mucronata, marginibus revoluta? facie superiore magis minusve scabro-pubescente, facie inferiore pulverulenta—sensim, verticillis inferioribus approximatis, folia abbreviata, superioribus distinctis, folia elongata Flores subsessiles, in glomerulos subglobosos multifloros subdistantibus aggregata paniculam terminali strictam quasi condensatam efficientes Corolla lutea rotata, absque tubo extus sub lamina acuta sensim, lobis acuminatis, ovario nullo latior Fructus parvi mollior pilis incanis villosis—tomentosi — Habitat in apertis regionibus Galiiae prope Puerto Real in Hispania australi

¹c GALIUM LANCEOLATUM Torr. mss. (?) in A. Gny, Manual of the botany of the North United States 176 — Folia quaternis verticillatis lanceolatis vel ovato-lanceolatis, apicem versus attenuatis, ciliatis, pedunculis multifloris, floribus purpurascens fructibus dense hirsuta—setulosis — *G. Torreyi* Digelov — In America boreali

¹¹ Pag 738 no 22 GALIUM (*Letogahum?* *Erythrogahum?*) VENUSTUM Jordan, Observations III 117 — Panicula gracili oblonga, ramis crectis parvis paucifloris flexuosis pedicellis fructiferae ciliatis patentibus filiformibus, corolla parvula rosea, lobis ovali-ellipticis breviter mucronatis, stylis supra medium coactis, fructu parvo nigro tuberculato, foliis 6—8-nis verticillatis patentissimis linearibus, superioribus nullo modo, inferioribus brevissimis oblongo-ovalibus, basi angustatis, tenuibus, nervo dorsali crasso—usculo basique promulso, mucronulo terminali, margine leviter serrulatis, pallide viridibus glabris nitidis, caulibus numerosissimis erectis flexuosis tenuibus quadrangulatis, angulis promulso glabris, caudice subcaespitoso — Planta gracilis 2—3 demum a — In Corsica

¹¹⁰ GALIUM (*Erythrogahum*) RUDIDUM Joidn, Observations III 121 f— Pflanze grüne, flexuose, ovale ou ovale-oblongue dans son pourtour, rameaux dressés—etales, flexueux, laciniiformes, les inférieurs allongés garnis d'un grand nombre de petites grappes courtes à fleurs très-petites et très-nombreuses Pedicelles fructifères « tri-angulés, flexueux, divergents Coiffe rougeâtre, à lobes elliptiques, terminée par une pointe se dépassant la moitié de leur longueur Fruit brun, très-faiblement annulé, très-petit Feuilles intermédiaires verticillées par 8, dressées—etales,

fermes assez minces, Imeaires muciontes, a nervure dorsale saillante et très epaisse vers le bis, a fice superiruie uide a boids girnis d iiguillons courts raides aigus et to plupart dingcs en bas, dun \eii clan blanthatre , oidinairement glnbres el luisantes, quelquefois velues veis le bas de Id plante Tigcs diffuses, couchces et flifioimts a Id base, lediess.ce*?, flexueuses, souvtnl brs« es et renfle'cs aux aiiiculaiions, a angles saillants blatchatrcs et tits - luisants, souvent tin peu ludes ties glabres ou poilues dans le bas comme les feuilles Souche gitle, compacts, < metlinl (quelques stolons radicants Ricme biune flilfoi me Plante de 2 J 4 de*c, glibic et luisante, tres rarement velue — Toulon

U GALIUM (*Enjltnoyahun*) PHOSTII Joidan 1 c U3 f — Pamcule ample, diessce ovale-oblongue, ram^oux assez raides allongees, tiès-e''ialts dans le bas, ties-composes, les becondtires assez longuement denudes inferiouiemnt, et teimints par des grappes corjmbifoimes ne^s-diffuses d fleurs tres-petites et tres-nombreuses Ptdicelles fructifères tits- bi ale's, flexueux, divergents Corolle liès-petite, rougeatre, a lobes elliptiquea - oblongs, teimine's par une pointe se*tac*e egale environ au tiers de leur longueur Fruit rcnbrum, peu-granule'', irès-petit Feuilles Intermediaires terticille'es par 8—10, trts-ttaltcs ou le plus souvent re'fle'cbies et courbe'es en des»us, assez minces, lintaires-oblongues, mucrone'es, a nei\ure dorsale saillante assez fine, a face Supe*ueuie souvent un pou rude, a boids garnis d aiguillons aigus assez elite's el la plupart dingts en haul, dun vert clair opaques, plus ou moms pube»centes ou glabruscules vers le haut Tigcs inclmecs el gieles vers la base, redresse'es, assez fermes, peu flexueuses, i angles blancbalies as^ez fln et peu saillants, pubescentes ou glabros comme les feuilles Souche compacte, paraissanl peu slolomfere Plante de 2 a 4 dtSc, pubescnte ou plus rarement glabre — Toulon (?)

25 GALIUM (*EiyhlogaUum*) MYRIANTHIUM Jordan 1 c 126 f — Pamcule ample ovale-oblongue, rameaux diissts dtaks tres-compose'' s, ractmiformes, a petits corymbes terminaux peu difflus, et d fleuis trts-nombreuses Ptdicelles fructiferes dressds-etale's, assez courts Corolle petite, jaunâtre, a lobes elliptiques-oblongs, e'lales-refle'chis, terminus par une pointe j>etacte tgale a la moilie de leur longueur Fiuil gnsâtre, très visiblement chagane , de grosseui mojenne Feuilles verticille*es par 9—12, dres* s^es-Ctal^es, lmdaiies ou oblongucs limaires, murrontes, a neivure do sale **saillante**, a boids mums d aiguillons fins ties-aigus, un ptu ttalts, disposts tr^s- **visiblement** sur deux rangs et tournés en baut point la plupart, dun vert clair un peu jauuffltre mollement \elucs ou ghibuscules \eis le haut Tigcs assez fermes, diessces, pl^{us} gr^les, coucliees el ascendmies a la base, i angles aigus assez saillantes, velues **ou** glabres comme les feuilles Souche gitie tits-compacte, a stolons radicants **nuls** Racine dun brun roux, assez forte, diviste en plusieurs fibres allongees et garni*⁸ dun chevelu ties-hn dun brun lougeatre Plante de 2—4 dec , ordmairement tres-mollement velue dans sa parlie infeneure — Depirl Kere 8c 4in

26 GALIUM (*Ëiy/fc>oya/iMm*)LUTROLUM Joidan I c 128 f - Pamcule ureguhere, obliqj>^{er} ment o\ale, rameiux Stales ou un peu dits^is, plus allonges el plus nombreux do^o cote*, a divisions peu nombreuses, et u corjmties lermmaux laches etdiffus Pedicel^{er} fructiferes etal^s , divanqu<is Corolle petite jaunatre , a lobes ovales - oblongs tres-^tale's, termmts par une pointe sencde depassant la moilie de leur longueur ^{er} grisâtre, flnement gnnule, pent Feuilles \eiticille*es par 6-8, tres-tlalees, ngidul^{er} lincaires ou oblongues-lineaires, mucronees phnes, a nervure dorsale très-sail^{er} et assez forte, a bords rudes mums de très-pelits aiguillons a peine visibles a la loupe et dingcs en haut, dun *sen* cldir, un peu luisantes, glabres ou rarement ^{er} peu hispides vers la bas Tigcs* fnbles, mclmecs a la base, diffuses, redresse'es, *J^{er} rimeu^es et paniculCes presque dts la base, d angles saillants et luisants, ordinal^{er} ment lisses et ghbies ou par-fois un peu hispides dans la paille infeneure So^u tres-gr6le, e'méiant des stolons radicants Racine fllifforme Plante grfile, < * ^{er} dioini , ordmairement glabre et Un peu lui^ante — Basses Alpes **Alpes**

- X GALIUM (*Coccognum?*) BRACHYPODUM Joidan I c. 130 f — Pamcule très-ample ovale, rameaux écartés, très - e¹ tale's, flexueux, ruce* mi formes, à corjmbes terminaux peu nombreux et tres-pelils Pe*dicelles fructifères dressés - dtaUs, très-courts Corolle petite, d'un blanc sale, à lobes oblongs ires-diale's, tei mine's par une point* setacée plus courte que la mome* de leur longueur Fruit bi undue, ires - finement et rdguhéraent gmnuU, très-petit, e*galant envnon la longueur du pe'dicelle Feuilles* verticille<> pai 8, trcs-dl aides ou à la fin r^llechies, assez courtes, oblongues-lindairps, planes, un peu e'pnisses, à neivue non snillanie sur les frms et re'le'e'c à l'dtat sec veis la base, a bord* presque hsses ou mums d'aigmlons à peine visibles à la loupe, d'un veit gti, tres - finement pubescentes ou glabruscules Tige« e' lance* es, drcssdes Baltics, flpxueuses, mclmdes et ascendances a la base, à angles saillants, Idgèremeni pubescentes dans le bas, glabres dans le bant Souche grtle, as*iz compncle Racine gucàire Planle de 3 à 4 de'c , tegeienunt pubescente dans sa paitie infèure — Hautes Alpes
- * GALIUM (*Coccogahum?*) ALPICOLA Joidan 1 c 131 f — Pamcule en forme de giappe oblongue, inmeaux etales, pres>que i angle droit, lUxueux, assez courts, à divisions rappiochios et a fleurs nombieu^es di^posdes en petits coiymbes très-diffus Pddicelle* frucufèies Stale's, divergents et ires-courts Corolle petite, d'un blanc sole, à lobes o\ales-oblongs, irts-eUalés, tei mint's pai une pomte sdlacde, dgale au tiers de leur longueur Fruit gnsAire un peu rerabium, trts- finement lugueux, assez petit Feuilles vciicille'es pai 8—9, très-dtaldes ou rdflidchies, line'nirios, mucrone'es, a nervure dorsnle un peu saillante , à bords mums d'aigmlons trés-flns dialers, les suprieurs dingus en haut et les Infincurs en bns, d'un veit assez clnir, finement pubescentes ou glabruscules Tiges longuemnt et eiroitement pamcul^es, couche'es, filiformes et plub ou moms radicanles vers la base, ascendantes, un pen diffuses, souvent dresdes, brise*es et conlourndes aux aiiiculations, à angles flns et un peu soillants, finement pubescentes ou glabres dans le hiut Souche grdle, stolomfèrc ou subcespiteuse Racine gns&ue, flhforme Plantc d c2a3 ddc , plus ou moms pubescente — Briancon (Hautes Alpes & Basses Alpes)
- 29 GALIUM (*Coccogahum**) LACTUM Jordan I c 133 f— Pamtule en forme de giappe ovale-oblongue, rameaux di esse's-titale's, decioissanis, allonge's dans le bas, à divisions assez e*carttes, tei mine's pai des grappes coi ymbifoi mes peu diffuses Pe'dicelles fructifères ires-Stalés, courts Corolle assez petite, blanche, & lobes o> ales-oblongs, (ermine's par une polnie setace*e e'gale au tieis de leur longueur Fiuit rembruni, très-finement granule*, de giosseur moienne Feuilles veiticille'es pai 8—9, dressc*es-^taldes, line'aires, aigue», mucrone'es, assez e'gile'i, à nervure dorsale 4pai<se et très-saillante, a bords tudes mums de petits aiguillons nombreux très-aigus dressés ou les infèneurs loume's en bas, d'un vert ires-clan , un peu luisantes, très-glabres ou quelquefois hispides sur le bas de la plante Tiges gifiles, e*lanc^es, légèrement flexueuses, ascendantes, 00110116*08 et un peu radicanles à leur base, & angles saillants tres • flns et luisants, hsses et glabres, ou quelquefois hispides à la base Souche ramiflde, peu compacte Racine filiforme Plante de 3 à 4 de'c e*le*gante, d'un benu vert clair, le plus souvent glabre — Castellane ft Sisteron (Basses olpes).
- 30 GALIUM (*Coccogaltum?*) COLLINUM Joidan 1 c 135 f— Pamcule diffuse, irie*gulie>e, ovale ou ovale-oblongue dans son pounour, raineaux dresse*s-e*tale'8, {ermine's par des corjmbes tres - fournis, assez rdguheis et à la fin Irès-diffu« P<5dicelles fructifères ires-courts, States Corolle petite, blanche, a lobes 0 vales - eUiptiques, terminus par une pomte courie Fiuit gnsAtie, à la fin rembruni, finement et regulierement granule Feuilles verticilWes ptr 8—10, très - e*tale'es, couites, Imeaires, très-aigufis, mucrone'es, a nervure dorsale peu saillenie sur le frais et assez large veis le ba«, à bord^*isses ou mums d aiguillons peu visibles a la loupe, d'un vert clair, couvorles d'une pubescence tres-One et ires-courte, larement glabruscules Tiges noral>reuses plus ou moms diffuses, les ioteneure> souvent dresse*s, les exteneures couche'es, ascen-

dantes à la base, eniicremeni couvertes d'une pubescence courie qui lea fail parflitre comme poudreuses Souche irts compacte, & stolons ridicants nuls Racine grisâtre *filiform?* PI into de 1 A 2 dec , a pubescence très-courte — Depart de la Drdme, de 1 Ardeche & du Gard

- 31 *GALILM* (*Coccogalmn*>) *SCABRIDIM* Joidan I c 136 f — Pamcule diffuse, lrrCgu-lièie elliptique dans &on pout lour, lameaux diesses ou ttalts, courts el souvent avorte's dans le bas, a fleurs irts nombreuses disposers en coijmbes imguliers dies-sés à la fin diffus Pedicelles fructifères irès-courts, plus ou moms ttalts Corolle très-petite blanche à lobes oviles-oblongs, teimints pai une pointe courte Fiuii brun, It gôrement chagrine*, petit beuilles verticille'es par 8—10, nssez emlées lineaires, trts-aiguc** et muciomés, a nervure dorsale très-cpiiese et siillante a 1 dial frais, à bords ties-rudes ainsi que la face superieure et garnis d'aiguillons nombieiz etalts ou duiges en bas, d'un verl clair et un peu jaunâtre glabres el luisantett Tiges greles, en louffes peu denses, souvani sterile*, coucht¹es, fliformes, radicantes et irés - nmifle'es dans leur partie mferieure, puts redresse'es, un peu flexueuses, a angles saillants lisses ou un peu rudes, glabres et luisantes ainsi que les feuilles Souche peu compacte, £mettant des stolons radicants Racine relativemeni asse/6paisse Planlc de 1 a 2 dtcim , dun verl trts clair, rude, glabre et luisanie — Vrenne (Iseie) L>on
- 32 *&ALIMUM* (*Lewgahum*'>) *TIMEROYI* Jordan 1 c 138 f lab 6 fig 4 (1-5) - Pamcule diffuse, meguliue, obliquement ovale ou ovale - oblongue, ramenux très - composees, dresses ttaks souvent tous jetts dun seul colt, a fleurs nombreuses en corymbes diessts a h fin diffus Pedicelles fructiftres très- etale*s, assez courts Corolle lits-petite, blanchatre, a lobes ovales-oblongs lermmts par une pointe courte Fruit gusatré, rembruni, piesque lisse, petit Feuilles verticilleés par 9—11, dresse'es-e'talees, courles el etroiies, limhires, aiguts, mucronees, a nervure dorsale Cpaisse et non saillante a 1 e¹ tat fiais, a bords lisses ou gaims de tres-pelits aiguillons la plupart dingo's en bas, dun veil ties-clan el un peu jaunatie, piesque toujours glabres el un peu luisantes Tiges gitles, nombreuses, diffuses, couche'es sui tene et ascendantes d leur paitie superieure, foibles, flexueuses et fill formes, mats nullement iadicancies A la base, a angles saillants lisses et presque toujours glabres Souche grcle, irés - compacte Racine filiforme Plante de 2 a 3 dc'cim , trea-gidle, dun vert tres-clair et glabre — JNiraes, Lyon
- di* *GALIMUM* (*Leiogahum*?) *IMPLEXUM* Jordan 1 c 141 f — Pamcule ample, tres-diffuse, ovale, oblique, tamenux e*^{tal}*, souvent jetes dun seul cote*, très-nombieux, divise's, enti-e-croises, a fleuis nombreuses en corymbes diesses peu diffus Pedicelles fructifères dre'ssds un peu e'tal[^] Corolle très-petiie, blanchatie, a lobes ovales aigus Fruit grisatre, rembruni, presque lisse, do giosseur moyenne Feuilles verticillees par 6—9, très-e'taMes, asscz courles, Uneaires, très-aigu[^]s, mucronees, a ner\ure dorsale saillante a 1 ^tat frais, a bords entierement lisses mums rai eraent de quclquos aiguillons tres-courts, d'un vert clair brumssant un peu pai la desiccation, pubescen* tea ou glabres Tiges grêles, diffuses, très-nombreuses, dispose*es en touffes denses inexincables, couch[^]es, fliformes et non ladicantes a leur pai tie mftneue, a^cendantes, redresse'es, flexueuses, a angles assez saillants, couvertes dune pubesjeene[^] fine et couite, ou souvent entièrement glabres Souche assez e*^{paisse}, trts-coiapacte Racine grisatre, dure et relativemdot assez foie Plame de 2 dgcim , pubescente ou glabre — Dprtmt du Gard, de la Drome, de I Arddche
- 34 *GALIMUM* (*Leiogahum*'') *INTERTbXTUM* Jordan 1 c*142 + — Pamcule ample diffuse ovale, rameaux trts-divanque's, enire-cioises, les uns dresses-[^]tal[^]s, les auires e'tale's a angles droits ou re'fle'chis tres-composes à fleurs disposles pai penis fascicules formant des corvmbes dressds tres' - ou verts Pedicelles fructifties dresses un 1>^d flails, non divanquts Corolle très blanche, t lobes ttahs, elliptiques-oblotigs, W mine's par une pointe très-courte Fruit blanchatre, & la flu lenibruRi, peu obgrtn<J>

assez gros relativement Feuilles verticillées par 7 — 9, très-étalées, ovales, courtes, mucronées, à nervure dorsale assez épaisse et un peu saillante vers la base, à bords munis de très-petits aiguillons peu écartés, d'un vert très-clair blancâtre, glabres, paraissant couvertes de très-petites papilles blanches et luisantes. Tiges très-nombreuses, entre-croisées, paniculées presque dès la base, inclinées et filiformes à leur base, dressées-tolides, érigées, assez raides, à articulations rapprochées et souvent brisées, à angles saillants, ordinairement lisses et glabres. Souche compacte, à stolons radicaux presque nuls. Racine filiforme, grisâtre. Plante de 1 à 2 décim., d'un vert blancâtre. — Hautes Alpes.

35. GALIUM (*Leiogalium?*) COMMUTATUM Jordan 1. c. 149. f — Panicule assez ample, obliquement ovale; rameaux dressés-cylindriques, terminés par des corymbes assez ouverts et à fleurs nombreuses un peu écartées. Pétales frociformes assez étalés, courts. Corolle très blanche, assez petite, à lobes ovales-oblongs très-étalés, non déjetés, terminés par une pointe assez prononcée. Fruit à la fin d'un gris noirâtre, un peu chagriné, de grosseur moyenne. Feuilles verticillées par 7—8, dressées-étalées, linéaires, mucronées, assez épaisses, à nervure dorsale large non saillante à l'état frais et un peu rétrécie à l'état sec, à bords presque entièrement lisses, d'un beau vert, ordinairement très glabres.* Tiges nombreuses, diffuses, couchées et filiformes à la base, ascendantes redressées, à noeuds peu renflés, à articulations assez saillantes, un peu luisantes, presque toujours entièrement lisses et glabres. Souche grêle, un peu radicante. Racine filiforme. Plante de 1 à 2 décim., d'un vert gai, un peu luisante. — Lyon.

36. GALIUM (*Leiogalia*) LAPEYROUSIANUM Jordan 1. c. 154. f — Panicule étroite et courte, obliquement ovale-oblongue, racémeuse; rameaux courts, peu nombreux, à fleurs disposées en corymbes très-irréguliers et très-denses. Pétales fructifères dressés, rapprochés. Corolle blanche, assez grande, à lobes étalés, ovales-oblongs, terminés par une pointe très-courte. Fruits brunâtres, presque lisses, très-finement chagrinés, de grosseur moyenne. Feuilles verticillées par 7 — 9, dressées-étalées, linéaires ou elliptiques-linéaires, mucronées, à nervure dorsale un peu saillante, à bords rudes très-garnis d'aiguillons aigus la plupart dirigés en haut, d'un vert peu foncé, couvertes d'une pubescence fine et molle, souvent entièrement glabres.* Tiges très-brièvement couchées à la base, dressées, assez ferrugineuses, paniculées seulement vers le haut, à angles assez (ins, très-souvent rudes et pubescentes surtout dans le bas, quelquefois lisses. Souche grêle, racémeuse, brièvement radicante. Racine filiforme, grisâtre. Plante de 1 à 2 décim., pubescente ou glabresoule. — Haute Pyrennées.

37. GALIUM (*Leiogalia?*) DECIPIENS Jordan 1. c. 178. f — Panicule oblongue ou ovale-oblongue; rameaux dressés-étalés, à fleurs disposées en grappes feuillées souvent pombées et peu inclinées. Pétales fructifères dressés-étalés, assez allongés, égalant deux ou trois fois la longueur du fruit. Corolle très-petite, d'un rouge violacé-rougeâtre, à lobes à peine étalés en roue, ovales-oblongs, aigus, égalant l'ovaire. Styles assez courts, peu écartés. Fruit brun, assez petit, très-finement granuleux, piéché sur tout couvert de poils blancs très-fines (States oncinulés au sommet et plus courts) son diamètre. Feuilles verticillées par 6-8, d'abord étalées, ensuite réfléchies, oblongues linéaires-linéaires, aiguës, mucronées, à nervure dorsale un peu saillante, à bords très-rudes munis d'aiguillons la plupart dressés, d'un vert obscur, noirissant toujours un peu par la dessiccation. Tiges ordinairement très-nombreuses, diffuses, ascendantes à allongées, fermes ou un peu flexueuses, longuement paniculées, quadrangulaires, à bords, à aiguillons courts et inclinés en bas. Racine tortueuse, peu ramifiée. Plante de 3 à 5 décim. — Tarascon, Montpellier.

38. GALIUM (*Eupatorium?*) TENELLUM Jordan 1. c. 180. f — Panicule très-grêle, pauciflore; rameaux capillaires peu nombreux, dressés-étalés, fléchis en dehors, peu divisés terminés par 3 à 4 fleurs. Pétales fructifères étalés, allongés, capillaires.

Corolle dun blanc jaunfitre, très-petite, A lobes ovales, aigus, Stale's, e' gal ant à peine 1 ovaire Fruit très-petit, couvert de poils blancs oncinulds plus courts quo la moiti4 de son diaraètre Feuilles vernalises par 6, e'tale'es puts re'fle'chies, ovales ou lanceole'es-elliptiques, mucrone'es très minces papyrace'es veinuleuses & nervure dorsale fine et un peu saillante vors le bas a bords mums d aiguillons allonge's très-aigus dressed - Stale's, dun vert clan noircissant très - legtrement par la desiccauon Tiges très-greles et tiés-faibles simples ou 1810106*63 dts la base, diffuses ascenduntes, très-flexueuses flliformes, à verticilles de feuilles très-tcarlcSs veis le baut, quadrangulaircs rudea parseme'es ainsi que les pe'doncules et souvent IPS pddicelles, d aiguillons tssez allonges très-aigus et dingo's en bas Racine annueile, très-greie Plante de 1 a 2 ddcim, glabre et très-me nue — Antibes (Dpart Var)

- 39 GALIUM (*Luapanne*) MINUTULUM Jordan I c 182 f tab 6 fig E 1-5 - Fleurs ixillaires, plus courtes que les feuilles Pedoncules solitaires ou ge'mine's dresse's-6talés, à la On dales horizontalement Corolle irès-petite, dun blanc sale, à lobes ovales-oblongs un peu aigus, a peine aussi longs que 1 ovaire Fruit obovale arrondi tout he'risse' daiguillons blancs, raides ilnement tuberculeux à la base, crochus au sommet et de longueur e*gale à son diamétre Feuilles verticille'es par 4, e'tale'es, ovales-elliptiques, atienue*es a leur base en un court petiole un peu aipues et fine* menl cuspid'e'es au sommet, minces veinuleuses, à nervure dorsale assez fine munies sur les boids do deux rangs de petits aiguillons e¹ carte's et dinge's en haut, et sur la face mferieure de quelques aiguillons e*pars, dun vert clair, devenant noirdtres par la desiccation Tige& très-gi ties nombreuses ascendantes a la base dresse'es, flexueuses, simples ou bifldes, quidrangulairea, pnrsemtes d niguillons eiale's et dingu's 6D bas Racine annuelle, très-grele Plante name de 2 à 4 cent — llyercs

t *leonea addendse.*

GALIUM ANISOPHYLLUM Vill — Jordan, Observ III 156 f tab 6 flg B 1-5
GALIUM TENUE Vill — Jordan I c 159 f tab 6 flg C 1-5

- II Pag 743 no 5 DIODIA AURICULOSA Beitol mss ex Schlehtdl Bot Zen IX P ⁹¹⁰
— Gaule ascendente tetragono, angulis spinuloso - ciliolatis, folus oblongis, basi COD* nnto-faginantibus, supra scabris, subtus pilosis, stipulis interfoliaceis lineanbus, ^{*ubri} quaterms cahcibus utrmque quadncostatis sulcatis, apice 3-4-aunculatis. — ^{per*o} nis — Habitat in Alabama

II Pag 743

3134 KBTOXIA *Linn.*

(DC Prodr IV 569 — Wlprs Report II 469)

- 1 *KN CORYMBOSA Willd — Wlprs 1 c no 1 — Wgot Ulustr of Ind bot II ' 138
H Pag 772 no 34 HEDYOTIS FASCICULATA Benol mss ex Schlehtdl Bot ^{Zelt IX} p 918 — Glabia caule tetragono erecto ramosissimo, folus ovato-lanceolatis ^{or ^} supulis interfoliaceis profunde bifldis, flonbus fasciculatis terminalibus ^{amov} P>^{10X} axillanbus, calycibus pilosis — Herba annua — Alabama

Ordo CXIV. COMPOSITAB *vaufant*.

n. Pag. 815. 2274/t. SCHATZEIIIA C. H. Schulz (Bip.)

(G. H. Schulz [Bip.], Flora [B. Z.] XXXIII. 419. — Genus indescriptum.)

*SCH. MEXIGANA C. H. Schultz [Bip.] I. c. - Linden, Collect, pi. no. 1186. - In Mexico ad ripas fl. Aconica in prov. Vera Cruz.

H. Pag. 817. 2280A. FIKISCIOIAfninA £ H. Schultz.

(G. H. Schultz [Bip.], Flora [B. Z.] XXXIII. 417.)

Capitulum innumeriflorum homogamum. Involucrum hemisphaericum subbiserialis; folia anguste lineari-subulata numerosa sobaequalia persistencia, demum reflexa, caulique adpressa. Receptaculum nudum convexiusculum. Flores subpuberuli tubulosi quinquedentati. Antherae inclusae. Styli rami rosei, longe exserti. Achaenia pentagona breviter hirta. Pappus e corona factus us brevissima callosa subintegra, e qua setae quinque filiforae denticulatae, achaenio duplo longiores, oriuntur. — Herba perennis neogenea (Guatemala, Mexico), dichotoma: caulibus gracilibus; foliis oppositis petiolatis oblongo-ellipticis, superne serratis; capitulis pedicellatis; floribus superne roseis. — Genus distinctissimum.

1- F. RHODOSTYLA C. H. Schultz 1. cit. p. 417. — Herba perennis jfalmaris—dondrantalis: collo suffruticuloso, inferne saepius radicans pluri- et gracilicaulis. Radix fibrosa, librae elongatae e caule repente lignescente, 1 lin. circiter diametro metiente orientea. Caules subascendentes vel erecti, V«—'A. P^l- Vi I^d. diam. metientes, medulla alba farcti teretes striati, cum foliis et involucri foliolis pilis brevibus patentibus glanduliferis dense obtecti viidi-cinerascentes, demum glabrescentes, alutacei. Folia opposite inferne approximata, 3—7 pi, 5 lin. distantia, inferiora tempore florescentiae pleraque emarcida, viridi-luteolo-cinerascentia petiolata oblongo-elliptica, sine petiolo gracili 1—3 lin. longo, 5—10 lin. longa, 2—3¹/_a lin. lata, trinervia plane, infra medium iotegra, supra medium serrata, serraiurae utrinque 3—5 conspicuae, apice rotundato-corneae. Superne caulis in axi foliorum minorum subintegrorum bis, ter Tel quater dichotoma >n ramos abit, e quibus praecox serotinis humilior est. Rami (pedicelli) cum capitulis 9—13 lin. longi graciles, foliolis paucis lineari-sujmlatis subarrectis tranaitum in involucri squamas perficientibus munili. Capijula semper ereota innumeriflora (ad 100) homogama. Involucrum hemisphaericum, 2 lin. ahum, biserialis; involucri foliola numerosa (40) subaequalia, inferiora laxiuscula, omnia angusta linearia, subulala, dorso bistnata et pilis jam descriptis obsita, interne glabra splendentia, basi spongioae dilatata, post achaenionim maturitatem reflexa pedicelloque adpressa. Receptaculum uonvexiusculum, fere 1 lin. diametro habens, nudum are o I alum, areolis centro puncto <levato, cui insidebat acbaenium, insignitis. Flores pilis brevissimis subglandulosis muniti, 1*4 ii_n. longi, involucrum subaequantibus tubulosi, hermaphroditi, tubo pallido superne sensim ampliore, opice dentibus 5 triangularibus roseis raunilo. Antherae inclusae oblongo-lineares pallidae ecaudatae, appendice apicali rotundata, filamenta

glabra Styli rami exserti clavati antennaeformes, rosei, more *Ewpatonacearum* format! Achaema V» lin longa conformia cylindraceo-pentagona, inferne attenuata et callo basilan rotundato sordide albente mumta brunnescentia, sed ad angulos linea prominente albente insignita et hic pilis brevibus rigidis arrectis obsessa, apice truncata Inter angulos etiam pili brevissimi observantur Pappus e corona brevissima sordida albente, tallosa subintegra vel inter setas 3 prominentiis parvis notata, cum sens abortivis comparandis factus Ad angulorum achaem apicem e corona modo descripta onuntur setae 5 persistentes subaequales filiformes, ultra 1—% lin longae achaemo subduplo longiores sordide albentes denticulis numerosis brevibus a IT ecus instructae — Habent in Guatemala provincia Chontales, ad fluvium Mayale et in Mexico

II Pag 830 no 5 SOLIDAGO HOUGHTONII Torr ft Gr mss ex A Gray, Manual of the bot of the North United States 211 — Glabra caule humili gracili, folis sparsis linear lanceolatis acutiusculis plants integris, in basin angustatam subamplexicaulem attenuatis, inferne in petiolum marginotum contractis, capitulis plurimis aggregatis in corymbum subsimplicem 20—30-flores, radius 8—9-linis — Caulis 1—2-pedalis, folia glabra nec tamen nitida 3—5-pollicana uninervia meliora supra obscure innervia Corymbus puberulus Capitula magna semipollicana, involucri squamae obtusae ciliatulae — In America boreali (Michigan)

II Pag 904 no 4 FILAGO LUTLSCENS Jordan, Observ III 201 f tab 7 fig B 1—20 Glomerules sessiles, places au sommet ou dans la dichotomie des rameaux, formes par la reunion d environ 20 à 25 capitules très-serres, globuleux, munis a la base de 3 à 5 feuilles bractéales dressées peu distantes plus courtes ou de meme longueur Capitules ovales-coniques, a 5 angles saillants par de sinus peu profonds, plongés jusqu au milieu de leur hauteur dans un tomentum épais jaunâtre Involucre a folioles sennues, jaunâtres cotonneuses, disposées sur 5 rangs imbriquées, un peu lâches presque égales, fortement plissées-concaves et canaliculées, un peu vertes et tourbées sur les dos, étroites, oblongues ou lanceolées, longuement cuspidées, a pointe souvent purpurine, dressées, plus courte dans les inférieures Achetes cylindriques - oblongs, garnis, parsemés de petites papilles glanduleuses, pourvus d ad aigrette très-caduque ou nulle dans les cœules Feuilles nombreuses, dressées rapprochées, sessiles, les inférieures oblongues, égales ou un peu rétrécies à la base, les supérieures lanceolées-oblongues, élargies et semi-embrassantes à la base, obtuses, raucines, plumeuses ou a bords un peu roulés en dessous, couverts d un tomentum plus ou moins abondant et toujours jaunâtre Tige tantôt simple inférieurement, tantôt dès la base, plusieurs fois dichotome, a rameaux dressés peu distants Plante annuelle, de 1 a 3 dec, un peu jaunâtre — In GaUia ft German boreali

5 FILAGO GANESCENS Jordan 1 c 202 f tab 7 fig A 1—10 — Glomerules sessiles, places au sommet ou dans la dichotomie des rameaux, formes par la reunion de 30 a 35 capitules très-serres, régulièrement arrondis, munis de 1 a 3 feuilles bractéales dressées très-courtes Capitules coniques-cylindriques, plongés jusqu au milieu de leur hauteur dans un tomentum épais, blanchâtre Involucre a folioles sennues, jaunâtres, peu cotonneuses, disposées sur 5 rangs peu marquées, imbriquées, peu lâches, presque égales, plissées-concaves, a dos verdâtre et presque droit, étroites oblongues ou lanceolées, longuement cuspidées, a pointe pâle et jaunâtre, un peu étalées en dehors dans les extrêmes, dressées et plus courte dans les inférieures Achetes cylindriques - oblongs garnis, parsemés de petites papilles glanduleuses pourvus d une aigrette très-caduque ou nulle dans les supérieures Feuilles sessiles dressées et souvent presque imbriquées sessiles, oblongues ou lanceolées distantes Le haul très-aigues, ondulés, a bords roulés en-dessous, couverts d un tomentum plus ou moins abondant et toujours blanchâtre Tige simple inférieurement, ou rayonnée dès la base, plusieurs fois dichotome, a rameaux dressés peu distants Plante annuelle, de 1 a 3 decim, blanchâtre - Habitat prope Lugdunum in GaUia (wto)

t Ieones addenda*.

- F. ERIOCEPHALA Go89. — Jordan, Observat. III. 203. t tab. 7. fig. D. 1—10.
 F. SPATHULATA Prsl. — Jordan 1. c> 199. f tab. 7. fig. G. 1-10.

II. Pag. 927. no. 2. SAUSSUREA (*Lagurostemon*) SERRATULOIDES Turcz. Bulletin de l'acad. de Moscou XX. 35. f — Caule eracto, apice subramoso; ramie corymbiferis; foliis supra viridibus, sublus albo - tomentosis, pinnatipartitis, Inciniis margine revolutis repandis subdenticulatisve; involucri cylindrici imbricati aquomis exterioribus acutis, interioribus obtusis, mediis obtusis mucronulatis. — Caulis sulcatus scaber, hinc inde lana floccosa canescente veslitis. Folia, praeier indumentum fere *Serralulae cenlauroidis*. Iovolucris squamae apice coloratae, margine ciliatae, scabriusculae, interiores elongatae. Pappi seriei externae paleae paucae inaequales caducae. Achaenia tereti - compressa striata. — In regione Altaica.

3. SAUSSUREA (*Benedictia*) SQUARROSA Turcz. 1. c. 44. f — Lanuginosa: foliis radicalibus inferioribusque breviter petiolatis lanceolato-denticulatis, superioribus sessilibus oblongis integerrimis, supra arachnoideo-villosis, subtus albo - tomentosis; corymbo coarctato 2—3-cephalo; involucri squamis oblongis subaequilongis, inferioribus squarroso-reflexis albo-tomentosis, superioribus adpressis villosis. — Pumiis 2—4 pollfcaris. Receptaculum nudum. Pappus exterior inaequalis brevis cabriusculus. — ID alpe Nuchu-Daban.
4. SAUSSUREA (*Theodorea*) CREPIDIFOLIA Turcz. 1. c. 47. f — Foliis radicalibus interrupte pinnatifidis, caulinis inciso-pinnatifidis in alam dentatam desinentibus, laciniis cartilagineo-dentatis; corymbo terminali composito denso; involucri glabriusculi squamis a basi ad apicem gradatim longioribus, exterioribus Iriangularibus, apice reflexis saepe bilobis, margine parce arachnoideis, superioribus in appendicem subrotundam membranaceam, intus praesertim villosis, reflexam desinentibus. — Media quasi inter *S. alalam* DC. et *S. laciniatam* Ledeb., ab illa involucri squamaram ethnarum forma et indumento, ab hac praesertim foliis minus dissectis recedit, A. eel. de Candolle, qui certe plantam hanc habuit aut ommissa" aut cum *S. alata* conjuncta. Specimen unicum, in transbaicalensibus loco ignoto lectum, forte typus distinctae speciei, huic affinis. Haec recedit statura plus quam pedali, caule ramoso, ramis saepe iterum divisis, capitulis non congestis cylindricis involucrique squamis magis squarrosis. — 5. *polypodiifolia* Turcz. Pl. exsicc. — In salsis ad fl. Selengam et Dschidem, ad salinas Selengenses, nee non ad fl. Barguzin.

¹¹ • Pag. 933. no. 4b. CENTAUREA (*Cyanus*) LUGOUNENSIS Jordan, Obserr. V. 49. tab. 3. fig. A. f — GipituJet solitaires au sommet des tiges ou des rameaux. Involucre ovale-arrondi peu renflé à la base; folioles ovales - lanceolées, munies d'une bordure scariée noirâtre, élargie au sommet, assez régulièrement incisément oiliée, cils bruns aplatis lineaires, acuminés, rapprochés, dépassant la largeur de la bordure. Fleurs du centre d'un pourpre violacé, celles de la circonférence stériles très grandes rayonnantes, d'un violet bleuâtre ou rarement purpurines. Akènes grises, finement pubescentes, très-barbus à l'ombilic, oblongs, peu comprimés, de forme égale et un peu rétrécis vers la base; aigrette rousse, galant »fi de l'akène. Feuilles dressées-talées, pen ondulées, vertes, point molles, parsemées sur les deux faces de très-petits Poils un peu courbés, à bords entiers ou munis de quelques dents courtes cachées sous un duvet cotonneux armojeux qui est souvent fparé sur le limbe, les radicales et caulinaires très-inférieures lineaires - lancéolées, rétrécies et aiguës au sommet, atténuées en pétiole à la base, les caulinaires, moyennes et supérieures atténuées et acuminées au sommet, presque égales vers la base, très-troisement et assez brièvement décurrentes. Tige assez grêle, dressée, point raide, simple ou un peu rameuse vers la base, anguleuse, relevée de 7—8 côtes peu saillantes, peu ailée, très-feuillée jusqu'

au sommet Souche un peu ramifiée, noueuse, a rhizomes trSs-courts dressés, rapprochés, peu ou point ascendants a la base, a fibres allongées assez épaisses Plante de 3 a 5 déc — *C montanae* var Vill — Lyon

- 4c CENTAUREA (*Cyanus*) SEMIDECURRENS Jordan 1 c 52 tab 3 flg B f — Capitules solitaires ou quelquefois gamines au sommet des tiges et des rameaux Involucre ovale-arrondie, folioles ovales-lanceolées, munies d'une bordure scabreuse brune ou peu noirâtre, élargie au sommet, assez régulièrement incisée-ciliée, cils du roux très-pâle, aplatis, linéaires, acuminés, rapprochés, dépassant la largeur de la bordure Fleurs du centre d'un pourpre violacé, celles de la circonférence stériles, rayonnantes, d'un violet bleuâtre Akenes glanduleux, finement pubescents, barbus à l'ombilic, oblongs, un peu recourbés au sommet et à la base, un peu comprimés longs de 5 mill sur 2 1/4 mill de large, aigrette glanduleuse, égalant 1/6 de l'akène Feuilles dressées-pétales, assez planes, blanches-cotonneuses dans le jeune âge de la plante, à la fin un peu vertes et arantieuses, point molles, les radicales lanceolées, aiguës, réfléchies en pétiole à la base, entières ou les pins souvent sinués-dentés, les caulinaires oblongues ou linéaires-lanceolées, à bords légèrement sinués ou entiers, un peu acuminées au sommet, la plupart réfléchies et semi-décurrentes à la base Tige dressée, simple ou plus souvent rameuse, très-anguleuse, cotonneuse, peu ailée, feuillée jusqu'au sommet Souche à rhizomes un peu rampants et ascendants, a fibres allongées assez épaisses Plante de 3 à 4 déc — Sisleyon 8c Gap

- II Pag 934 no 8b CENTAUREA (*Aciolophus*) LEUCOPHAJIA Jordan 1 c 64 f — Capitules solitaires et sessiles au sommet des rameaux dont les supérieurs sont presque en corymbe Involucre ovale arrondie, non rétrécie à la base, folioles ovales-lanceolées, à nervures peu marquées, toutes à découvert à leur sommet et très-appliquées, bordure scabreuse étroite sui les côtes, formant au sommet un appendice court) ovale-triangulaire légèrement cuspidé, cilié à la base d'un brun roussâtre ou très-pâle et peu décoloré, cils lousés, assez fins, subcylindriques, flexueux, dépassant longuement la largeur de l'appendice dont la pointe terminale est très-courte, dressée et UD peu aidée Fleurs d'un pourpre clair, les extérieures stériles, plus grandes et rayonnantes Akenes d'un gris un peu verdâtre, finement pubescents, oblongs, comprimés, de forme un peu inflexe, rétrécis inférieurement, long de 3/4 mill sur 1/2 mill de large, sui montés d'une aigrette blanche qui dépasse un peu le tiers de la longueur Feuilles d'un vert tendre ou blanchâtres-cotonneuses, rarement glabrescentes, peu rudes, les radicales pinnatifides à lobes souvent divisés, étalés, assez larges, oblongs ou elliptiques-lanceolés, les caulinaires pinnatifides à lobes oblongs, apiculés, rarement linéaires, les rameaux pour la plupart entières ou dédoublés, oblongues, peu aigus, ordinairement rapprochés au nombre de deux trois à la base de l'involucre en forme de bractées Tige dressée, sillonnée et anguleuse, souvent cotonneuse, un peu rude, ramifiée et paniculée environ à partir du milieu, ramifiée étalée, assez fermes à divisions allongées et peu nombreuses, racine pivotante nue Plante de 3 à 5 décim — Lyon

- 8c CENTAUREA (*Acrolophus*) POLYCEPHALA Jordan 1 c 67 f - Capitules solitaires sessiles, souvent rapprochés et subfasciculés au sommet des rameaux, qui sont disposés en corymbe paniculé non divergent et à divisions supérieures très-courtes involucre aranéiforme, à la fin glabre, petit, oblong, rétréci à la base, folioles lanceolées à nervures peu marquées, toutes à découvert à leur sommet et très-appliquées à la bordure scabreuse formant au sommet un appendice peu scabreux, lanceolé, cuspidé, à la base d'un brun roussâtre un peu décoloré sur les côtes, cils du roux très-pâle, fins, très-courts et dépassant à peine la largeur de l'appendice dont la pointe terminale est assez fine, allongée, saillante, flechie en dehors. Fleurs purpurines, les plus grandes, stériles rayonnantes Akenes d'un gris verdâtre, un peu comprimés, de forme très-égale, surmontés d'une aigrette blanche qui est presque

à la moitié de leur longueur Feuilles de couleur cendrie ou blanchâtre, peu cotonneuses, rudes, les radicales bipinnatifidées à lobes linéaires ou linéaires-lanceolés, dressées ou étalées, un peu courbées en faux, aigues et subapiculées, les caulinaires et rameales inférieures pinnatifidées à lobes linéaires, assez courts et un peu aigus, les rameales supérieures dentées à la base ou entières, courtes, linéaires, étroites, souvent très-rapprochées de l'involucre en forme de bractées. Tiges solitaires ou naissant au nombre de deux ou trois du collet de la racine, dressées, assez grêles, un peu flexueuses, sillonnées et anguleuses, munies d'un duvet cotonneux épais, rudes, l'inférieure et paniculées au-dessus du milieu, rameaux assez grêles, courts, divergents, à divisions courtes mais assez étalées. Racine bisannuelle ou tusannuelle, pivotante, peu rameuse. Plante de 3 à 5 décim. — Toulon & Hyères

*d CENTAUREA (*Acrolophus*) RIGIDULA Jordan I c 69 f tab 4 fig A +- Capitules sessiles, agrégés au nombre de 2—3 au sommet des rameaux dont les supérieurs sont presque en corymbe. Involucre aranéiforme, à la fois glabre, très-petit, ovale-oblong, arrondi à la base, folioles ovales-oblongues à nervures peu marquées, toutes à découvert à leur sommet et très-appliquées, appendice peu scabreux, court, très-étroitement lanceolé, cuspidé, cilié & taché d'un brun roux un peu de couleur, cils roux, flexueux assez fins, courts, mais dépassant longuement la largeur de l'appendice dont la pointe est allongée, raide, un peu piquante, saillante, dressée, peu ou point filicée en dehors. Fleurs purpurines les extérieures stériles, pétales & gales aux autres. Akenes d'un gris verdâtre, finement pubescents, oblongs, comprimés, un peu rétrécis à la base, longs de 3 mill sur 1¹/₂ mill de large, surmontés d'une aigrette blanche qui égale le tiers de leur longueur. Feuilles veillées, cotonneuses-aranéiformes ou glabrescentes, rudes, toutes à lobes (étroitement linéaires, allongés, aigus, stables, les radicales et caulinaires pinnatifidées, les rameales supérieures pinnatifidées ou dentées à la base, très-rapprochées de l'involucre en forme de bractées. Tiges assez nombreuses, dressées, un peu raides, assez finement sillonnées, un peu anguleuses vers le haut, paniculées dès leur milieu, rameaux dressés-étalés, assez feibles, peu feuillés, presque simples, à divisions terminées très-tourtes et très-rapprochées. Racine paraissant vivace. Plante de 2 à 3 décim. — Avignon

e CENrAUREA (iict<op/iu<) HANRK Jordan I c 70 ^ tab 4 fig B f— Capitules solitaires et sessiles au sommet des rameaux dont les supérieurs sont rapprochés en corymbe. Involucre peu aranéiforme, glabre, ovale, très-légèrement rétréci vers sa base, folioles ovales-oblongues, à nervures peu saillantes, toutes à découvert et un peu lâches à leur sommet, bordure scabreuse formant au sommet un appendice ovale-triangulaire, cuspidé, cilié¹, à tache none le couvrant entièrement et d'écaille sur les côtés. Gils noirâtres, peu canaliculés, aplatis, un peu flexueux et fléchés en dehors, dépassant la largeur de l'appendice dont la pointe terminale est très-allongée, inerme et courbée en dehors. Fleurs d'un pourpre très-foncé, les extérieures étendues, plus grandes, rayonnantes. Akenes gnés à la base, finement pubescents, oblongs, de forme assez égale, comprimés, longs de 2¹/₂ mill sur 1¹/₂ de largeur, surmontés d'une aigrette qui égale la moitié de leur longueur. Feuilles de couleur cendrie, souvent blanchâtres-aranéiformes, très-rudes-sétuleuses, toutes pinnatifidées à lobes linéaires ou linéaires-oblongs un peu rétrécis à la base, un peu aigus et mucronulés, stables, les radicales et caulinaires inférieures longuement pétiolées, à lobes entières ou pinnatifidées, les rameales à lobes très-peu nombreux, la terminale presque entière, située & la base de l'involucre en forme de bractée. Tiges assez nombreuses, grêles, très-flexueuses, dressées, souvent ascendantes à la base, finement sillonnées, anguleuses vers le haut. Capitules cotonneux, très-rudes, ramifiés à partir du milieu ou au-dessus, rameaux dressés-étalés, Océaniques, généralement simples et unilatéraux (1), tous décroissants en longueur depuis l'inférieur jusqu'au terminal, les supérieurs rapprochés et de niveau. Souche vivace, peu épaisse, s'allongeant à sa partie supérieure et paraissant prolongement de la racine, qui est noirâtre, pivotante, très-simple ou un peu ramifiée vers l'extrémité. Plante de 1 à 2 décim. — Toulon, Sarnie Beaume

- 8f *CENTAUREA (Acrolophus) RESUPINATA* Cosaon, Notes sur quelques pi du midi de HESpaigne HI. 114 f - *Plania peiennis* caudice sublignoso descendente in radicem fusiformem desinente faules plures, 8—20 centim long!, decumbentes in pane florifera resupinati, infra rosulas foliorum radichum sienles nascentes, superne magis minusve romosi Folia rosulnrum radichum ulnnque pa be arachnoidea incnnesceniia, petiolata, 1—2-pinnatipai tita vel subpinnaiisecta, lobis subaequalibus hneanbas vel oblongo-Innceolatis integns, spinula inermi mucronatis, caulina rainora sessilia conformia, aliquando virescenlia, suprema subindivisa, lmearia vel lanceolato - lineana Capitula mediocria, in corymbum oligo- vel polyrephalum subsecundum riisposita, ultimis fains basi suTulta Involucrum arachnoideo - pubescens vel glabrescens teretmsculura, basi attenuatum, foliolorum appendicibus nigro-fuoescenlibus breviter in foliolum decurrentibus lanceolaiis, in spmulam inermem subulatam erecliusculam vel patulam 5 millim circiter longam abeuntibus, lateralitei ciliatis, cilus patentibus spinula terminnli subtnplo brevionbus, foliolorum intenorum appendicibus scanosis subindivisis breviter cu<pidati<t vel submulicis longe scanoso - dccurrentibus Flosculi purpurei Achaema parvula leucophaea vel albido-fuscescentia, puberula oblonga, areola inseitioms lata suborbiculaia, pappo albido achaemo subtnplo brevior, setis mteioiibus subduplo brevionbus in conum coeuntibus — Habitat in incultis regioms calidae supenons circa Fuente-Yguera inter uibes Riopar et Hellin regm Murcici in Hispama australi
- 8g *CENTAUREA (Avolophus) PROSTRATA* Cosson 1 c 115 f — Planta perenms caudice sublignoso descendente in radicem fusiformem desinente Gaules saepius plures 15—30 cent, longi, piostrati et in parte flongerdtantum resupinati, infra rosulas foliorum radichum slenles nascentes, superne magis minusve ramosi Folia rosularuffl radichum utunque pube arachnoidea incana petiolata, in eadem rosula denticulato-indivisa oblonga, basi in petiolum attenuata vel lyrato-pinnatipartita, lobis spinula meriD| mucronatis dentatis subintegnsve, terminal! multp majore oblongo vel obovato, latera- libus oblongis vel oblongo-lineanbus, caulina mullo minora oblonga, basi attenuaia, indivisn, rarius ad basin lobulos 2—4 praebentia, saepius virescentia suprema conformia minora Capitula mediocua, in corymbum oligo- vel polycephalum subsecundum disposita, ultimis fohis basi suffulta Involucrum arachnoideo - pubescens >el glabrescens, teretiusculum, basi attenuatum, foliolorum appendicibus fuscescentibus bi eviter ** foliolum deuirremibus lanceolaiis, in spmulam inermem erectiusculam 1 miilim. circiter longam abeuntibus, lateraliter ciliatis, cilns patentibus spinula terminali subduplo brejjonbus fuscescentibus albidisve, fohorum intenorum appendicibus scanosis subid* divisis bievitei cuspidalis vel submuticis longe scanoso -decumentibus Flosculi pur* purei Achaema parvula, leucophaea vel albido-fuscescentia, sparse puberula oblonga, areola msertionis hta suborbicuJata, pappo albido achaemo subtnplo brevior, ~~setis~~ ioterionbu8 subdividio brevionbus in conum coeuntibus. — Habitat in berbosia regio* ms montanae regm Murcici, ad ba^in montis Sierra de Segura.
- 8h *CENTAURLA (Acrolophus) EXARATA* Boiss mss ex Cosson 1 c 116 f — PI*¹¹ perennia rhizomate subobliquo[•] Caulis soepius solitanus, 3—5 decimetra longus <r<<ctus, simplex monocephaius vel superne in ramos 2—4 monocephalos divisus, strift^{0*} angulatus, ad basin imprimis pubescenti-araneosus Folia radicha aliquando tempor⁰ florescentiae emarcida, pube arachnoidea mcanescentia, oblongo-lanceolata indivisa, ^D petiolum attenuata, caulina in utraque pagina punctata pubescenti-scabra et saepe P¹¹ bescenti-araneosa, nervis subtus valde prommentibus, indivisa, lanceohita vel lineari<> sessilia, basi aunculato-semiamplexicaulia maigmibus subinflexis, supenora angustlor⁰ minoraque, basi hand aunculata Capitula pauca, 1—5, in apice couhs et ramomm so¹ lann Involucrum arachnoideo-puberulum, ovoideum, basi roiundatum foholis ad|reW^s arete tmbricntis, florso elevato-5-nervns sen aim in appendicem attenuatis, appendicibt⁸ fuBcescentibus erectis tngulari-linearibus ciliatis apice flsais in cilia 2—3 laierailbu* baud robuslioro, cilns patontibus appendlec longionbus, mferioribus e margine folio¹ naseemlbus el inde appendix in foliolum decurren« habendo, foliolorum interioruO¹ appendicibus scanosis vix dilatatre ciliato - sublacens vel subindivisis vlx scario«o-de-

eurrenubus Floscih purpuvei, exteifores haSd ráaiattes diaenm adn *vapwimm*
Achaema (matura ignota) glabra leucophaea, areola insertioms laterali oblooga, pifpo
albido dimidiam longaudinem achaenii superante, sens intenonbus subtnplo brevion-
bus comntenHbus — Hábitat lit Eatremadwae Trañstagftnoe ttitimiffi* ail básin montis
Serra da Arrabida

^{ff} Pag 937 no 19b CENFAUREA (*Mesocentfon*) ALGERIEftSIS Consort 1. c 136 f —
Planta annua radice giacili descendente Gaulis sohtanus, 2—4 dticim. longus atigu-
latus pubescenti - scaber erectus, superne ramosus, ramis divergeati - patentibus, ad
^apicem foliatis, ranus a baai ramošus. Folia baud decurrentia vel rarius vn decur-
renua virescentia, furfuraceo-puborula, radicalia caulmaque infenora petiolata, lyraio-
Pmnatipartita mdivisaque, oblonga obovatave, saepius calloso-demiculata, superiora
mdivisa, oblonga vel linean-oblonga, inferno attenuate, apice calloso - mucronulata,
basi semiamplexicaulia Gapitula mediocna, in apice raroorum solitana Involucrum
ovoideo-conicum glabrum, foliolis ezterionbus et intermedns membranaceo-marginatis,
membrana fuscescente Tel pallida m cilia plunma flssa appendiui spiois gracihora,
appendice fuscescente palmatisecta in spmas 3—5 rarius ?, foliolorum infimorum spi-
DIS parvis subadpressis, foliolorum intermediorum spina termmali subulata patente
caeteru robustiore et multoties longiore, foliolis intirnu lanceolatus, margiae iotegns,
appendice scanosa. Floscuh purpurascenree, extenorea radumtes latarioi es pallidiora
longe superantes. Achaema niuda, areola in«eruois laterali iranftTersa oWonga,
pappo sordide albido dimidiam longitudmeiB acbaenii subaequaota, satis plunsanaiis,
inioua concolonbus subtnplo breviordMis subcomnventibua — Uabiiatiia Africa boreab.

H Pag 938 no 23 b. CENTAUREA (*Pectnastrum*) PftAEOLEPIS Cosson 1 c. f3& f —
Planta perennis caudice suWtgnoso /deseentente Caulea 7— 6 deehn loogi ghabres-
eentea Tel basi pubescentes, acute artyulau erecti, supeme ramosi, ramis ad apicem
fohatw Folia band decurrentfa, vireotia, puberuFo-scabrtda, infenora petiolaW lyrato-
pinnatipartita, lobo termmali suboMvculato vel oblong'o repandb'-dentato, sflp«rriora
indivisa oblonga vel oblongo - lanceolata, in feme attenuata, sessilia, apice cuspidato-
mucronulata repando-denticulata vel integemma Gapitula mediocna, in apice ramorum
solitana. Involucrum ovoideirm glabrum, fofiolis adpressis margine membranaceo
destuutis, appendioe patente conaceo - cornea suborbiculata II* spuwlae 5— 9 paUide
fuscescentes subaequales media viz longioie palmatipartita, appendice foliolorum mfe-
P>orum JI> spinulas 3—5 pataatfeacta Flosculi ut videntuf lutei. Aohcema nifida
^cesceniia, areola insertiODw lateiaii suborbtcutaia, pappo sordid^ aiMo dimidiam
longitU(|Inem) achaenii stibaequanta, s«(i> plitfisei-iaMs, wtims subquadruplo brenoribus
subooanivenubus basi paleifofnubus nigrescantibusqae — Habitat ini agr« MauriCamco
Wope Tiaret.

t Icon addenda*

CENTAUREA MONTANA Lion. - BC. Prodr. VI. 578. no. 68. - Jordan, Qbamàt V
tab 3 fig c

ii Pag 944 2882/1. **BOUBGABA** Cosson.

(Gosson, Ifoies sur quelques pi <Tu midi de 1 Espagne ir 39)

p^appⁱ ^{*c}kaenju«a exacte tetragonura. angulis alatis, alis usque ad basin
productis, epicarpio maequaliter ruguloso - stnolato opaco
UL. FIG

suberoso-hgnoso crasso, ad angulos in alas expanso. Caetera ut *Cynarae*

I *B HUMILIS Cosson 1 c - *Cynaia humihs* L — DC Prodr VI 620 no 5

a *cyanea* Habitat in apncis agn Gaditam pi ope Puerto Santa Maria

P *leucantha* Habitat in legno Granatensi, in collibus incullis loco diclo (astijo blance prope Ronda

II Pag; 943 no 3 CARDUUS bPINIGERUS Jordan, Obsorv HI 215 f tab 8 flg C 1-7 — Cipitules assez gros, solitaires, dresses sur des ptdoncutes allonge's, un p6U flexueux tomenieux et nus au sommet Intolucres sub-globuleux, souvent aiane*aux> folioies allonge'es lindaires, phmuscules, carences dans loute leui longueur pai une neivure forte el saillante, cuspidces, à pointe allongcc raide et piquinte, les infdiieu-res dresse*es, les inlerme'diaires un peu (Halves en dehoi* au dessus du milieu, ^{tes} supe>ieucis seulement rd(1e*chies vers leur sommet Fleurs dune couleur puipurioe ties-foncde Aktnes oblongs, un peu compiline's, luisants, un peu jiun&tres, le'gerfl ment nddes tiansversalement tout le long des strics qui sont au nombre de 15 a' l& et un peu mtrqutes, longs de 4 mill sur 2 mill de large environ Disque epigy¹⁶ pourvu au centie dun mamelon conique, jaunatre, peu anguleux Poils de laigi<^{lte} à cils tits-courts Feuilles fermcs, dun vert noir&tre, garmes sur Its deux faces d* poils arachnoïdes souvent assez fournis, ou glabuuscuks, ondul*cs el e*pincuses *ur les bords oblongues, smudes pmmaliflides segments ovales trts-Stale's, plus courts <^l plus laiges dans les infeneuies pouivus de 3 at 5 dents ovales, aigues, bords d* petlttes Opines et terminees pai une e*pine assez raide et piquante, les feuilleq caul' naires dccurrentes, les radicales assez ttroites, retrdcies presque en pitiole à laba>^e Tige dresscc, since, ailce, souvent tits lameuse au sommet, lameaux allongesr P⁸⁰ e*lal^s, terminus par des pe'doncules uniflores (1) Racinebisannuelle, pivolante et presqu simple Plante de 3 a 5 dtfcim — Basses alpes

t Icon addenda.

CARDUUS NIGRESCENS Vill — Jordan, Observat III 214 f tab 8 flg B 1-7

II Pag 944 no 7b CIRSIIUM (*Onohophe*) WELWITSCHII Cosson, Notes sur ^{quelques} pi du midi de l'Espagne III 118 f — Plania perenms rhizomate obliquo, ^{fibris re-} dicalibus fliformibus Cauhs 4—8 decim longus simplex, inferne foliosus, ^{s U P J,} folus squamiformibus rans instractus, apice praesertim pube arachnoidea flocco* Folia crassiuscula, nervis hdud piominentibus, lucida, utrinque glabra, indiviX * lepando - dentaia, dentibus in cilia setacea subspinescentia patula abrupte cu<P ^ radicalia in rosulam disposita oblongo-linceolata lanceolatave, basi attenuata, ^{cfi u} lanceolata, basi semiamplexicaulia, vix decuirentia Capitulum majusculum ^{'on 89 pe-} dunculatum Involurrum hemisphaencum, foliolis apice violaceis appressis ^{tri: 89 jji} lanceolatis in spinulam inermem acummatis Flosculi purpurei subreg<lant<^{r Lu ^} Staminum flamenta pilosiuscula Pappus corolla multo brevior — Habitat >^D tania Transtagana & in Hispama austio-orientali

II Pag 945 no 11 CIRSIIUM (*Chaviaeleon*) ESCULENTUM C A Mey ^{Flora} XXXII 747 — Glabnusculum ladice ^raemorsa cum fibris fasciculatis (P¹⁰⁰ ^ crassis cylindraccis, apice attenuotis subfliformibusve, caule subsimplicisu¹⁰ ^ ti' polycephalo vel nullo, folus dentatis A el smuato-pinnatifldls, lobis (plerum<⁰ ^ ^ bus rotundatis sublobatis, setulis ciliatis spimsque elongatis gracilibus ^{arn0. me 'opiH} hnis breviter decurrentibus, summis (sub calatbidio) lineanbus subintegern¹⁰⁰ ~j\$P sis, calaibidus (majusculis) supovatis, penclinu squamis glabns (saepe) ^{vip ^ ^} laus, ID spinulam squamae laitudine vix breviorcm acuminatis, corolluli' P^v excedentibus, tubo longitudme limb urn TIX superante

a. *Stibincum* poriclimi squamis saepissime glanduloso - scabns villoso - ciliatis, corollularum tubo longitudine limbum paulo sed distincta superante.

a *acaule* b *caulescent* — Habitat in Sibina fiequens

P *Caucastcum* periclinn squamis glabemmis laevibm, margine vix ciliolatis, <oiollularum lubo longitudine limbum viz superante

a *ihodanthum* b *leücanlhum* — Habitat in alpihus Gaucasi Ibeuci

U **CIRSIUM RHIZOCEPHALUM** G A Mey I c p 748 — Glabnuscolum neaule ladice Piaemorsa cum flbns fascicuhtis fliformibus, folns piofunde pinnatifldis, lobis bjlobis spinulis brevibus spmisque elongatis vahdis irmalis, subfloralibus lineanbus pectinato-*pinosia, spims longissimis \alidis, calalhidus (nmjusculis) radicalibus aggregatis sub-°viiis, periclinn squimis glabns adpressis in spinam erectam squamae longitudine longiorem desinentibus, corollulis pppum vix excedentibu?, tubo longitudine /limbum superante — Habitat in pratis alpinis montium fan en si onentahs aim 1200 — 1400 hexap

¹³ **CIRSIUM FRICKII** Fisch fit Mey I c p 748 - Glabnuscolum radice e flbns fasciculaus cylindraccis, apice attenuatis, caule erecto subsimplicissimo submonocephalo, folds profunde pinnatifldis, lobis latis angulatis bi — tnlobis, setulis brevibus setisque elongatis ciliatis, cauhnis semidecurrentibus, summis (sub calathidio) lineanbus .setosopectinatis, calathidus (majusculis) subcampanulatis solitarus, periclinn squamis spinula paiula squamae latitudine duplo longiore terminatis , corollulis pppum excedentibus, limbo longitudine tubum subsuperante — Habitat in Ibenae distinctu Trialetbi, in piatis montis Jelidagh

¹⁴ **CIRSIUM GRUMOSUM** Fisch fit Mey I c — Subglabrum radice grumosa, flbns fasciculatis oblongo-cyhndraceis apice attenuatis, caule erecto simplicissimo monocephalo , folus sinuato-pmnatifldis, lobis rotundatis angulato-dentatis, setulis brevionbus setisque elongatis gracilibus ciliatis, cauhnis breviter decurrenlibus, summis (sub calathidio) liueanbus seioso-pectinalis, calathidus (majusculis) ovatis, periclinn squamis glabns liuea glandulosa notatis, spinula patula squamae latitudine (I¹/*) longiore terminatis, corollulis pappum vix excedentibus, tubo limbum inaequaliter quiaquefldum vix supe- ianto — Habitat in monte Kasbeck alt 1140 hexapod

¹⁵ **CIRSIUM SIMPLEX** C A Meyer I c 748 — Subglabernmum radice lignosa flbns fliformibus stipata, caule eiecto simplicissimo, tolus oblongis dentatis subintegern- m¹se, setis albis bicvibus, aliis elongatis debilibus ciliatis, caulinis nplexicaulibus, **summis** (sub calaihidio) sublineanbus setoso-pectmatis, calathidns (saepe) 2—3 m apice **cauli** aggregatis (medioenbus) sessilibus ovato-oblongis, periclinn squamis linea glandulosa notatis apice margineque setuloSo-scabndis, spinula patula squamae latitudine subduplo longioreterminatis, corollulis pappum paulo excedentibus, limbo inaequaliter quinquefldo longitudine tubum superante — Habitat in pratis humidis Gaucasi occidentals 1000—1200 hexap alt

¹⁶ **CIRSIUM DESERTORUM** Fisch I. c pag 749 — Glabnuscolum radice praemorsa cum Qbns fasciculatis cylindraccis, caule erecto ramoso, folus setulis brevibus spinis- lue seiiformibu8 ciliatis, Caulinis decurrentibus, infenonbus subdentatis subintegern- ""s, supenonbus sinuato-dentatis, summis parvis subdecurrentibus, calathidus (parvis) ^subcor\mbosis ramulo brevi fultis aphyllis, penclinii squamis sublanugmosis spinula subulata patente squamae latitudine subbreviore terminatis, corollulis pappum excedentibus, limbo longitudine tubura superante subaequaliter quinquefldo. — Habitat ad Caucasum prope Georgiewsk

¹⁷ **CIRSIUM SETIGERUM** Ledeb I c pag 749 — Glabrum radice grumosa e flbns oblongis caudatis composite, caule erecto ramoso, fobis sinuato-dentatis subintegem- ^s^vo, sens brevibus spimsque elongatis setiforraibus qiliatis, cauhnis decurrentibus«

summis paivis semideiuremibus, calutbidiis (paivis) subcoryrobosis jamulo brevi fultis aphyllis, penclinii squaiws sublanuginoiis, spinula subulata patente squamae lotitudme longiore terminus, corollulis pappum excedeniibus, limbo longitudine lubum superanie subaequaluer qumqucfldo — Habitai In regiombus Altaicis, in faumidis subsalsis deserii propc Loktewsk

18 CIRSIIUM SUBINERME Fisch 8t Meyer 1 c pag 750 — Cano - to men to sum radice praemoisa flbrosa, flbris fliformibus, caule erecto ramoso, foliis siuato-dentatis, setulis paivulis spmulisque bievibus ciliatis submermibus, caulinis decumentibus, calahidus (pams) subcorymbosis aggregans subsessilibus ovatis nphjllis, penclimi squamis glabnusculis, mucione brevissimo paiulo apiculatis, corollulis pappum excedentibus, limbo longitudine tubum snperante subaequalitei qumqucfldo — Habitai in Ibenae distinctu Alexnndropol, locis humidis

II Pag 946 no 2b (?) SERRATULA (*Klasea**) ALGALAE Cosson, Notes sur quelques pi du midi de l'Espagne II 40 f — Planta perennis rhizomate verticali vel obliquo, flbris radicalibus elongatis crassiusculis, superne foliorum emarctdoium petiohs slipato Cauhs erectus, 7—15 centim longus simplex angulosus, parce arachnouleo - floccosus vel glabnuscus, valde foliosus Folia glabrescentia, vel subtus arachnoideo-floccosfl, approximata, pinnatipariita vel bipinnatipartita, lobis oblongis vel lineanbus submtegris vel dentatis, mfenora longe potiolata Capitulum in apice cauhs aolitanum, raajusculuoi, folns supenonbus bracteaum Involucium glabium vel basi floccosum, foliolis laoccolato-lineaubus, apice nervo prominente cannatis in pane supenore scanoso - pergamaceis albidis scr*im atienuaiis, apice subuloto vix spinescente, erectis multiseriatis» extenonbus multo minonbus, intinus laiius scanosis eioso-denuculatis Receptacul> pnceae elongatae piliformes Corollae purpureae Pappus sordide albidus corolla⁶ lubum subaequan*, sells scabndo - plumosis Achaema ? — Habitat in aprici* regioms montanae Gaditanae, in monte Picacho de Alcalá de los Gazules

II Pag 963 no 8 SOORZONERA (LASIOSPOKA) ALBICANS Cosson, Notes sur quelques pi du midi de l'Espagne III 119 f — Phnn senceo-lanuginosa oerennis rbizomat⁶ descendente, numquaro in Lubei incrissato, superne vestigis foliorum emarcidorutn dense squamato - lanato Caules snepius plures ascendentes simplices monocephali ad basin pmee foliati, scapifoimes, 6 — 12 centim longi, folia radicalia ~~subaequan*~~ * vel superanies Folia radicalia numerosi lanceolato-lineana Integra plana, ~~Plantaginem~~ *albwantein* referentia, oaulm pauca, supenora 1—2 squamaeformia Involucrum floccubus brevius, foliolis extenonbus triangulan - lineanbus tfoutis interioribus 2 — 8 - ~~pio~~ brevionbus, intenonbus latiusculis oblongo * lanceolatis Flosculi flflvi, ^ubtus ~~conco-~~ colores Achaema erotna tereliuscula oblongo - lineana, basi aitenuaia, laevia, ~~undique~~ lana candidissima obtecta. Pappus albido - fuscens, sens inaequalibus plu ~~seriatis~~ plumosis apice nudis ibique scabro - dentatis. — Habitat in regione montant ~~calida~~ rgoi JMurci prope Fuente-Yguera ad basin montis Sierra de Segura

II Pag 978 no 2 ZOLLIKOFERTA (*Sonchus*) RESEDIFOLIA Cosson I c 120 f *Scorzonera »esedifolia* Linn — *Zolhhoferia chondnloides* DC — *Sonchus chondrillo*** Deaf — *ChondrUla Stcula Iragopogonotdes mantima* fiocc — Habitat in Hifipnofa <¹ in Sioulia

II Pag 980. BO 10 SONCHUS GLAUCESCENS Jordan, Observ V 75 tab 5 f - Cap'' tules disposes en ombelle très - irrégulière au sommet des rameaux P4doncules ^{50U*} vent mums d'une ou de deux feuilles bractdales, l^gèrement e'paissis au sommet, tou' paraem^s alnsJ que la partie supdneure des rameaux de pods rahfes, *6ialis* borizopt^ lement, dilates à la base, rougedtres et non glanduleux au sommet, egalant ou d^P*⁸, sant leur diamètre Involucie ovale a folioles applique'es, lineaires - lanceoWes, P^{eU} aiguës, cajrènet sur le dos, lea exte>ieures parfois munies 4 la buae d'un duvet WjjJ* P<<rvv<<ia> sur la carène d'aiguillons 6pari lanceoleés>aoujniD4s compnm6f Fle ~~ura~~ dl*» J<un< vif, d^paatant 1 mvoicjre de pr^a de la moie* de sa longueur, celles de ~~la sur~~

conférence violacées en dehors avec une bordure jaune. Akènes d'un brun foncé, obovées - oblongs, rétrécis au sommet, munis d'une bordure assez large aplatie et finement denticulée, à faces lisses pourvues de trois côtes longitudinales écartées; aigrette blanche formée de poils un peu inégaux en grosseur, tous très-mous ou très-fins. Feuilles un peu glauques, un peu épaisses, très-rigides, profondément roncines-pinnatifides à lobes n'atteignant pas la côte médiane, relevés en dessus, Jarges ovales, souvent un peu acuminés, tous sinués et bordés de dents inégales, raides spinuliformes margées à la base, les feuilles radicales oblongues, rétrécies inférieurement, un peu acuminées au sommet, les caulinaires dressées-élevées, arquées en dehors, lanceolées, très-acuminées au sommet, un peu élargies à la base et embrassant la lige par deux oreilles inégales arrondies descendantes et à bords postérieurs non rapprochés. Tige dressée, fistuleuse, assez épaisse, à rameaux dressés - Stalés, mégaux, souvent très-hispides. Racine bisannuelle, pivotante, allongée, peu rameuse. Plante de 4 à 5 décim. — Hyères.

Ordo CXVU. LOBELIACEAE *Juss.*

If. Pag. 1036. no. 14. SIPHOCAMPYLOS MOLLIS Rgl. Flora (Allgem. botan. Zeitung) XXXIII. pag. 353. f — Molliter pubescens. Caulis simplex teres sulcatus. Folia alterna lanceolato - ovata acuta, in petiolum brevem attenuata, irregulariter callosodenticulata, juniora molliter pubescentia, adulta superne obscure viridia, subius canescentia. Flores axillares, in pedicello ascendente nutantes in racemum terminalem dispositi. Pedicelli villosuli, folio breviores, infra medium bibracielaii. Calyx puberulus, tubo hemisphaerico, limbo quinquelobo, lobis lanceolato-acuminatisinaequalibus crectis, tubo brevioribus. Corolla extus puberula, tubo recto angusto, dorso flosso, limbo bilabiato quinquelobo, lobis 2 superioribus apice cohaerentibus reflexis, 3 inferioribus in lobum trifidum connexis, laciniis falcatis convergentibus. Stamina 5 connata, antherae 2 inferiores apice barbatae, 3 superiores dorso pilosae. — Radix crassa perennis. Caules 2 — 4-peddes. Flores purpureo-lutescentes. — Habitat in Guatemala.

à loon addenda.

⁸. MICROSTOMA Hook. — Wiprs. Repert. VI. 783. no. 1. — Van Houtte, Flore des serres v. I. 444.

¹¹. Pag. 1039. CYPHOCARPUS RIGESCENS Miers l. c. addatur: Miers, Illustr. of S. Americ. P. i. ti.

Ordo CXVII. GAHPANULACEAE DC

- II Pag 1047 no 18a CAMPANULA (*Lucodon*) fePECULARIOIDES Cosson Notes sur quelques pi du midi de l'Espagne II 41 f — Annuua, *Speculanam* habitu nemulans, saepius ramo^isslmn, caule et ram is decumbenubus Hexuosis , pauciflons, glabra vel sparse hirtuh Folia jfenora lotundato - spathulata smuato-crenata in peliolum Ion-gum altenuaai, media paulo brevius petiolata, oblonga vel ovato- oblonga, supremi conformia subsessiln Floie* brevitet pedunculati remotiusculi, in racemos lermindles foliatos disposal, dtque almbastri (?) pedicello arcuato ascendentes Calycis lubus in flore hemisphaencus, glaber vel pilis alms brevibus setiformibus palulis conspersus lobis linean-lanceolatis, corolli subdimidio brevionbus, sinus appendicibus non obtectis Corolla rotate, ultra terliam pnrtem in fen or em 5-partita Pollen violaceo-purpurascens St}lus elongatus, tubum corollae longe superans apice brevitei trifldus Chlyx fructi fer exacte globosus, acute 10-costatus, pons capsulao ad meriam longitudinem tubi calycini sitae — Habitat in fls&uns rupium regioms montanae regm Gianatensis loco dicto faslijo bianco prope Honda in Hispann

Ordo CXX. GESNERIACEAE A', ab EV

- U Pag 1071 no 3 ACHIMENES CANDIDA Lindl = DIASTEMA GRACILIS Regel - (Wlprs Ann II 1070 no 1) — Kltzsch mss
- II Pag 1071 no 5 ACHIMENES MISERA Lindl = DICYRTA WARS/EWIC/JANA Regel — (Wlprs Annal II 1068 no 1) — Kltzsch mss
- 7 ACHIMENES SKINNRI Gordon in Lindl Journ of the horde soc II 293 adn tab 4 flg 2 — Erecta pilosa loins ovato-oblongis grosse serratis hirsutis, pedunculis unifloris peliolis duplo longionbus, corollae limbo obliquo subaequaliter qumqueiobo lacimis rotundatis denticulatis, tubo basi obtuso calcarato — Guatemala
- S ACHIMENES PYROPAEA Gordon in Lindl I c adn tab 4 flg 1 — Liecta fol>* ovaiis acuiis carnosis pilosis, bast cuneatis, ultra medium serratis, pedunculis ebra* cleans 2—3-nis peiolo parum longionbus, coiollae lacimis rotundatis denticulate supenonbus paulo minonbus, tubo ecalcarato — In Guatemala

*) Gesneraceas a se propositas iterum rectificavit celeb REGLL in Schlicht Bot **Zur** IX p 693 894 Dissertationem ab ill DECAI8NL (Revue horticole 1848) elaboratam videre non contigit

Ordo GXXXIV. LENTIBULARIÆ *Rich.*

- III Pag. 5 no. 19 UTRICULARIA CLANDESTINE Nutt. mss. ex A. Grny, Manual of the bot. of the N. Uml. Staates 287.— Floribus biformibus, 3—6-nis in scapo gracili, calcare gibbo crassissimo obtuso, quum corollae lobium informs trilobum brevius, reliquis dispersis supra caules immersos elongatos fohosos brevissime pedunculatos coiolla mmula, fructiferis deflexis, foliis pluribus furcatis cnpillaceis copiose vesiculiferis. — Caules folufo 6 —9-pollicares, sea pi 4-pollicares, bractee lineares pedicellis dimidio breviores. Floras stenles magmludme illorum *U gibbne*, fertiles immersi — In America boreali (Rhode island, Pools, Tewskbuuy.)

Ordo CXXXVI. MYRSINEACEÆ *Alpl, DC.*

- III Pag. 10 HL (4232/;) CORYSTOCARPUS *Forst.*

(End! Gener. pi. Suppl. I. p. 1410 — Forsi Char. gon. tab. 16. — All. Cunmng. Ann. of nat. hist. IV. 260.)

- 1 ^aC. LAEVIGATA Forst. Prodr. no. 114. - Spi. Syst. 1. 781. — Hook. Bot. Magaz. tab. 4379. — *Metreha lucida* Soland. mss.

Ordo GXLII. STYMCEÆ *Aiph. DC.*

- UI Pag. 16 no. 6. SYMPLOCOS JAPONICA DC. Piodr. VIII. 255. no. 42 — Paxt. fit. Lindl. flow. gard. I. 61. fig. 39.

Ordo CXLIV. JAS9DNEÆ *R. Rr.*

- UI. Pag. 26. no. 38. JASMINUM NUDIFLORUM Lindl. Journ. of the home. soc. I. 153. adn. — Ramis angulatis vimineis; foliis hysternthiis trifoliolatis glabris, foholis ovatis acutis, Qonbus luteis solitaius basi squomatis; calycis lacinus lmeanbus herbaceis, corollae limbo sexlobo obtusissimo — In China (Ninking)
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Ordo GXLV. APOCTNACEAE *Undi*

HI. Pag. 41. LXXVIU. **RHYSTOSPfillJIITitE** *Alph. DC.*

(Alph. DC. Prodr. VIII. 341.)

1. RH. JASMINOIDES Lindl. Journ. of the hortic. soc. 1. 74. (c. ic. xylogr.) — Frutei gracilis scandens sempervirens: rarais radicantibus, junioribus puberulis (albo-lactiferis); foliis oppositis ovalibus obscure virentibus, glaberrimisacuiis; stipularum locum tenent glandulae minutne squamulaeformes; floribus albis odoraissimis corymbosis, pedunculis quaro folia longioribus. — In China (Shanghai).

Ordo CXLVI. ASCLEPIADEAE R. B,-.

111. Pag. 57. no. 1b. ASCLEPIAS SULLIVANTII Engelm. mss. ex A Gray, Manual or the bot. of the N. Unitd. Staates 366. — Undique glaberrima, valida : foliis ovato-oblongis basi sessili cordaia erectis; coronae cucullis (hoods) obovatis integris, extus ad basin bauriculatis, cum cornu gracili obiuo unguiformi; capsulis ovato-lanceolatis, dorso praecipue spinulis parvis verruculaeformibus obsitis. — Rebitum refert A. *Cornuti* Dene. — In America boreali (Ohio).

Ordo CLII. HTDROPHLLACEAE *Alph. DC.*

HI. Pag. ioi. IV. **MICIIOOE]¥ETES** *DC.*

(Alph. DC. Prodr. IX. 292.)

1. ^aM. CUMINGII Alph. DC. 1. c. 293. oo. 1. — *Eutoca Cumingii* Bnth. — Gay, Flora Chilena IV. 450. tab. 53. fig. t.

HI. Pag. ioi. VIII. **COSML%J¥T1IUS** *Nutt.*

(Alph. DC. Prodr. IX. 296. — Wlprs. Repert. VI. 743, Annal. I. 518.)

1. -C. FIMBRIATUS Nolle. — DC 1. c. 297. — Wlprs. Annal. I. 518. oo. 2. — *Phacel* Purshii* Buckley mis. ex A. Gray, Manual of the bot. of the N. Unitd. Staates 342.
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Ordo GLIB. POLEMONIACEAE *Vent*

HL. Pag. 101. no. 3. PHLOX CUSPIDATA Scheele, Linnaea XXIII. 139.f - Caules herbacei ascendentes humiles obtusanguli, retrorsum hispido - pubescentes, apice ramosi. Folia uninervia, basi ciliata, margine revoluta, inflexa oblanceolato-spathulata viz acuta, media sessilia lanceolato-lineariter abrupte acuminata, summa e basi latiori lanceolato-angustata acuminato-cuspidata, inferiora opposita, superiora alterna. Rami alterni patentes breves retrorsum hispido-puberuli. Pedunculi dichotomi calycesque retrorsum glanduloso - hispido - puberuli calycibus brevioribus. Calyx 5-partitus, lobus tubuloso-campanulatus, lacinae foliaceae patentes lineari-subulatae immarginatae cuspidatae, lobum corollinum aequantes tubo suo triplo longiores. Corolla lilacina hypocrateriformis, tubus elongatus retrorsum pubescens limbo longior, limbi lacinae obovatae abrupte et brevissime acuminatae, apice eroso-crenolatae, longitudine sua dimidia latiores. Stamina inclusa tubo inserta. Ovarium sessile ovato-oblongum 3-loculare. [^]apula . .? — ID Texada in Pine island.

HL. Pag. 104. f Icon Addenda.

GILIA (HÜGELIA fimb.) ELONGATA Steudel. — fimb. in DC. Prodr. JX. 311. no. f. — Lindl. Journ. of the hort. soc. II. 312. (c. ic.)

Ordo CLIV. CONVULVACEAE *Vmt.*

III. Pag. 109. no. 18. IPOMAEA (Dobsonia) MELAENA Lindl. Journ. of the hort. soc. H. 310. adn. — Glaberrima: foliis cordatis acuminatis integris trilobisque; pedunculis quadrifloris rigidis petiolis aequantibus; sepalis rotundatis convexis; corolla campanulata erecta candida subrubente, basi nigra. — Crescit....?

VI. pag. 111. no. 11. CONVULVUS (*Orthocaulos*) PICKERINGII Torr. mas, ex A. Gray, Manual of the bot. of the N. States 349. f - Caulibus prostratis gracilibus ramosis limbo-pubescentibus foliosissimis; foliis anguste linearibus obtusis, basi in petiolum attenuatis; pedunculis filiformibus longitudine foliorum plerumque unifloris; bracteis filiformibus norem aequantibus; sepalis ovatis sericeis corollam albam dimidiam infundibuliformem aequantibus; stylo exserto bilobo capsula obliteratione uniloculari. — In America boreali (New Jersey).

Ordo CLV. EHYCIBEAЕ *Endi*

(A P a Alpb DC Piodr IX 463 — Wlprs Reperl VI 552)

HI Pag 118

I ERYCIBE *Rxb.*

(DC Prodr IX. 464)

1. 'E PANICULATA *Rxb* — DC I c no 1 — Wgbt Illustrat of Ind boi II lab 180

Ordo CLVI. BORRA6INEAE *Juss.*

III Pag 126 no 7 NONNCA (*Ci yptantheia*) BOURGAEI Cosson, Notes sur quelques pi. du muli de 1 Espagne III 122 *f* — Planta annua, bispida sells basi luberculaiis el inter seias pubescent Caules piures divergenies, |>rocumbenies 5—20 centim longi, Nubsiuplici M v<1 HOL/IIIIH npico furculi Folio ciubinltgrii p|ann, rndicnlia 4—5 ceutlm longn ubloiiKn inforno angumaiu olilunn cnulina radicalibim sinillia sod ininuiu, floi • lia ovato-lanceoloia laia acuiiuscula, llonbus mulio longiora Racemi terminates pn- num subcondensati, dein elongati, saepius longiludinem dimidiam caulis subaequantas Calyx 5-fldus, lobis inangulan - lanceolatis acutis, demum mflatus Corolla parvula, 4—8 millim longa, calvcem subaequans vel superans, tubulosa ochroleuca glabra Forniceb ad terliam partem supenoiem lubi coiollae inserli, barbulali Stamina ad tertiam partem inferorem tubi inserlo, in medio tuiti inclusa Nuculae cinereo-fuscescentes, subglobosae, bine angulo inerno prominente angulosae, basi lata exca- vata, margme crasso cincta praesertim rugoso-costntae, \erruculosae — Habitat m arvis incullis regm Murcici in Hispama australi

III Pag 141 no 3 CYNOGLOSEUM ARUNDANUM Cosson, Notes sui quelques pi du midi de 1 Espagne II 41 + — Planta bienms, caules saepius plures, 2 — 3 decim. longi, apice parcc ramosi albo-tomentosi Folia radicalia, tempore florescennae saepius emarcida, oblonga obtusa in penolum longissimuui atenuata, pube adpressa argenteo - &encea, caulina sessilia oblungo-lanceolata obtusiuscula albo - lomentosa. Racemi bracieis fo' liaceis donati Corolla ? Nuculae facie supenore laeves, centro tanlum parce ecbi- naiae, uiargine inflexo circumdotae, facie infeuore latenbusqut ecbinaus, echimsapi^{en} glochidialis Sijlus inter nuculas longe exsertua — Habitat in regione montana reg^{*11} Granaiensis, Sierra de las Nieves pi ope Ronda in Uispama australi.

ui Pag 148

f Genus dubiae affinitatis.

CARDIOPTERIS *Wall.*

(Blume, Rumphia III 205)

Calyx profunde qiMnqueparlilus, piaefloratione quincunciali. Coroli^{**} rotata decidua, limbo quinquefido subaequali, aestivatione imbncata*

Stamina quaeque, tubo corollae superne inserta, Jacinis alternata, filamenta brevissima, antherae dorso affixae, longitudinalem dehiscentes. Ovarium ovoideum uniloculare bivulvatum, ovula in apice loculo orienti suspensa orthotropa. Stylus terminalis breviter visus, deinde excrescens, stigma subcapitatum. Samara compressa, ad latera alata evalvis monosperma. Semen lineare rectum compressum inversum. Embryon in apice albuminis erectum minutissimum subclavatum. — Herbae annuae vix biennes volubiles Jactescentes. folia a 1 nervis longe petiolatis subcordatis integerrimis angulatis aut lobatis venoso-nervosis exsiliplatis glabris, spicis furcatis aut cymoso-paniculatis axillaribus, apice involutis, foliis unilaterialibus ebracteatis parvis albidis

- ¹ C. JAVANICA Blume, Rumphia III 206 f. tab. 177 — Folis membranaceis subcordatis angulatis vel sublobatis, spicis furcatis — *Peuptyerygwm qmnelobum* Hssk Gat. hort. Bogor 335 — Java
- 2 C. MOLUCCANA Blume I c. 207 f. tab. 177 (ex p.) — Foliis crassiusculis subcordatis aut hastato-subcordatis integerrimis, spicis cymoso-paniculatis — *Dioicorea sativa* L (PX p.) — *Olus sangumxs* Rumph. Hb. Amb. Y 482 tab. 180
P. foliorum sinu basi latissimo levi, paniculis elongatis — In Moluccis

Ordo CLIX. SCROPHULARIACEAE *Lindl.*

¹ Pag. 189 no. 5 SCROPHULARIA (*TomipUyllum*) LAGINIATA W. et K. — DC. Prodr. X 312 no. 54

P. adenophora C. Koch, Linnaea XXII 710 f. — Caulis ascendens ramosus, obtuse quadrangulus, ut pedunculi et folia pinnatifida, fixa arbutu oblonga durescens, in pediculis attenuate lacinis siepe dentatis instructa, glandulis minutis sed stipitatae dense vestitur, inflorescentia efohata, ramorum secundariorum simpliciter racemosa, caulis et ramorum primariorum composito-racemosa, pedunculis trifloris, quae antheris subsessilibus, lateralibus pedicellate, bractae imbricatae aut lineari-oblongae, inferne saepe serratae, pedunculo multo minores, calycis lacinae rotundatae, tenuiter albomarginatae, ut capsula duplo longior, rotundata, apiculata, glaberrima — In Asia communis in montibus Nannan

^h SCROPHULARIA (*Cantnae*) HISPANICA Cosson, Notes sur quelques plantes du midi de l'Espagne III 124 f. — Perennis glabra caudice sub lignoso caules plures emittente caules 2—5 decim longi erecti subsimplices letiagoni. Folia punctis glandulosis pellucidis nunciativis donata, veins inter nervos furcatis vix anastomosantibus*, subtua pallide virentia, semel vix rarius bis pinnatifida vel pinnatisecta, lobis oblongis vel ovalis proterunde et grosse lobulato-dentatis, terminali saepe majore, lobulis obtusiusculis mucronulatis. Panicula stricta pauciflora ambitu oblonga, cymis ad pedunculum subumbelliformis reductis, rarius 3—4-floris, pedicellis calyce saepius plus quam duplo longioribus, glandulosis, glandulis subsessilibus. Calycis lacinae ovato-suborbiculatae scarioso-marginatae, corolla subtriplo breviores. Corolla majuscula circiter 8 millim longa, lobis superne violaceo-purpurascens, caeteris longioribus. Stamina inclusa, quinti staminis rudimento oblongo-linearum vel spatulato. Stylus subexsertus. Capsula majuscula, ovato-conica. — Habitat ad cacumen montis Sierra de las Cabras. Pe. Hellm. in Hispania

- III Pag 200 no 2 DASYSYOMA INTEGRIFOLIA A Gray, Manual of the bot of the North Umtd Staates 307 — Glabra, non glaucescens caule humid, pleiumque sirplici, foliis lanceolatis acutis integns inflmisve obsolete denlatis, pedunculis calyce bievionbus — *Dasystema quercifoha* var *ntegnfolta* Bnth in DC Prodi X. 520 no 2 — In Amenca boreali (Ohio, Kentucky)

Ordo GLX. OROBANCHACEAE *Lindl*

- III Pag 204 no 1 ANOPLANTHUS UNIFLORUS hndl — Reuter mss in DC Prodr XI 41 no 1 — *Aphyllon unflouium* Torr ft Gr mss ex A Gray, Manual of the bot of the North Umtd Staates 290

Ordo CLXVI. LABIATAE *Juss.*

- III Pag 248 no 2. THYMUS (*Serpyllum*) SABULICUS Cosson, Notes sur quelques pi du midi de l'Espagne II 125 f — Suffrutex 5—12 centimetra alms ramosissimus, caespitem efficiens ramis vetulis diffusis tortuosis, cortice rugoso rimoso cinereo-fuscescente, novellis erecus pubescentia brevi canescentibus Folia secoe ramos novellos remotiuscula et in axillis lamulis abortientibus saepe fasciculata aessilia lineana, 4—6 millim longa, acutiuscula, valde revoluta, puba*centia brevi canescento crebre ghuduloso - punotata, ad basin uinnque pilis paucis ciliaia, floralia nervosa, infenora subherbacea, supenora submembranacea, mode glanduloso-punctata, P^u&⁸ brevissima obiecta, ovan acua \el ovato - lanceolata inferionbus exceptis mai⁹ine plana, foliis caulinis multo latiora Flores laxmscule in spicas termmales obJong^{ns} dispositi Calyx breviter pedicellaius, extus pube brevissima obtectus, intui fruc<baibatus, subaequnhter bilnbiatus, labn supenons ad tertiam partem Indentati denUbus lanceolatiii acutis, medio Mippius longiore, labn mfenons subulatis ciliaris. ^{^o} lolla alba, denies calycinis vix superans — Habitat in incultis areno[^]is regionif ^{o8} lidae supenons regru Murcici, prope Fuenie-Ygueia ad basin montis Sierra de ~~Segur~~^{*} in Hispama australi

3. THYMUS (*Serpyllum*> *Pseudothymbia*?) FUNKII Cosson 1 c +- Suffiutex 5—15 ^{cen}
Urn altus ramottissimus, caespitem efficiens ramis vetulis diffTusis tortuosis, cortice
iugoso rimoso cinereo - fuscescenti, novellis erectis pubescentia brevi canescentibu^s
Folia secus ramos no vellos distantia atqi^e in azillis ramulis abortientibus fasoi⁰
sessiha, lineana, 3—5 millimetra longa acnta revoluta, pubescentia breii canesc[^]o^{na}
crebre glanduloso - punctatd, ad basin utrinque pilis paucis ciliaia floralia oval['] vel
oblongo acuniinata, inferiora herbacea, margme subrevoluto, supenora 4C ealyc** P^{ur}
purascentia plana, calycibus breviora Flores in capitula plunflora ovRta ^{lerno}l^{na}
conferu. Calyx breviter pedicellatus, extus pilis brevibus hirtulus, mtus fauce [^]
tus, aequaliter bilabiatus, labn supenons ad teriiam partem tridentati ^{deu} ^U ^s [^]
gulan-lanceolatis acutissimis, labn mfenons subulatis, omnibus ciliatis. ^{Corol}
ceotim longa, calyce subtnplo longior purpnea, eztus pilis brevibus ^{hirsuta}, ^{tube}

dorso arcuato convexo, Ubiia minntis, auperiore emarginato, inferiore trilobo lobi rotundata subaequalibus. - Habitat in inculti. aridi. r.g.on.a montanae nfenons regni Hurcici in Hispania australi.

HI Pag 258 no 23. SALVIA BALANSAE N06 mss. ex Co.son, Notes sur quelques pi. du midi de l'E.pagn. HL 139. f- Suffruticosa. ramosa: ramli tatoii aubv.rgaus Joliati-s- foliulinoaribuscrenulatis, margine revolutis, baa. 10 puolm angaslang; verticillis racemosis. - Cule, pedales et ultra ramoai erect, tereuiscu la oort.ee n-m... demnm lecti, rami n.riferl foliati aubvirgati, obtus. tetragon; tenu. e. m t a . tomento canccent... supers tetragon!, glandu.oao - hir»«u. Pol., fasciculatj; mternodiis talde longiora nuncllte, nunc anguste l.neana, obtus.uscula, .n pet.olam ang««a.a, crenulaw, nl.rglne revolu.a, faoie, iridia, rngosss-ma, gl.br. ve. ahquando tenuiter tomentosa, dorao parce glandulosa un.nema ref.oulato-yenos., lomento adpresso inc-na, major. 5-7 centim. longa, 3-5 millim. laU, Horaf.. nflma fol'ns contormia sed minor, aubinde bracteiformia; bractea parvae membranaceae ovato-rhombaeacutae calyce breviores. Verticilli racemosi, 6-(lori remoti. Calyx pad.MU.wi, pedicellis b'evioribus pnbescentibus, 12 millim. longu^, compresse campanulas b'labiatus, saepe purpurascens, glandulosua glandulosoque-hirsulus, labii superioru dente medio breviammo, interioria demibus ovato-oblongis aoutis, fructihr nutans. Corolla calyce plua duplo longior, alba, tubo incluso, fauca ventricosa exserla, labium superius falcatum compressum emarginatum, foris parce glandulosum pilosiuaculum, inferiue *ix Breriw, lobh laterrilbua oblongla obtusi«, ioleratdio majors integro concavo Moriearpla oblong, obtuaa nitida Juacs. Foil, ut in Lonoaduto deKorto L., odor grate aromatlua. - Habitat In convallibus apricis Algertae, prope Moat.g.oem.

Ordo CLXX. PLUBBAGOJACEAE LMI

III. Pag 277 no. 3. ARMERIA (MtnmxrM) BOISSIERIANA Cosson, Notes sur quelques Pi. du midi de TE,p.gn. II. 44. + - Plant, perenni. oeaphos. gl.br. R.ta fue^l-formU, .pice plures fasciculos foliorum emittens in caespitem approx.matoa, et aqua^l mis flhrisque (foliis emarcidia annorum praecedentina) cinct.. Fol.. dur.uacula glauc.sc«ntla, in petiolum longe attenuata, lanoeolat. acutiuacl. 3-nerv.a + TelLneam; nervi, marginalibus evanidia. Pedunculi r.dical.a 15-35 centlm. long, la e ^ Involucru phyll. dorao paffide fasce.cenll. aubtelutin., margine laLuacule .can^u*, .n.ce^l subrotundato vel retuso obtusa, inflma ovato-subrotundata, wA Picribill. multo breviora. Bracteolae interflorales, inferiori cujusque spiculae excepta, omnino obsoletae. Flores breviter pedicellati. Calyx pedicello oblique insertus, infra insertionem productus in calcar attenuato - subulatum hirsutum pedicello contiguum, tubi longitudinem dimidiam aequans vel superans, pedicello dimidio brevius vel eum subaequans, latere inferiore aequans vel superans, pedicello dimidio brevius vel eum subaequans, tubo aequaliter 10 - pedicelli contactu foveola anguste lineari elongata excavatum, tubo aequaliter 10 - costato. intervallis costarum glabris, angustissimo, costis pluriseriatim pilosis, limbo longimdinem tubi anbaequ.n.e, nervis herbacei, v.x^d bu^s, quinquelobo, lobi, ringu,ribus « » 7 « ' ^ 7 ; - « ! ^ cut ^ rici. pro,, - Habitat in arenosis agri Gaditan. prope Puerto Real, ei in i» r Medina Sidoni. in Hiapani. australi.

Ordo CLXXm. POLYGONACEAE *Lindl.*

II. Pag. 285. no. 9b. POLYGONUM (*Persicana*) GA[^]EYI Olney mss. ex A. Gray, Manual of the bot. of the N. Unitd. Staates 386. — Caule ramosissimo erecto (3—5-pedali) glanduloso-setoso; foliis lanceolatis nervo medio n[#]rginibusque setosis, vaginis setoso-ciliatis; spicis elongatis cylindricis nutantibus densis longe pedunculatis, pedunculis setoso-glandulosis; staminibus 6—8; stylo bipartito; fructu lenticulari tumido glanduloso nitido. — Annum? — In America boreali (Vermont, Rhode island).

Ordo CLXXV. NYCTAGINACEAE *Lindl.*

III Pag. 298. no. I. *ABRONIA UMBELLATA Lam. — Lindl. Journ. of the hort. soc. IV. 82. (c. ic. xylogr.)

Ordo CLXXVII. SALSOLACEAE *Moq. Tandm.*

III. Pag. 302. no. 2. DETA ROURGAEI Gosson, Notes sur quelques pi. flu midi de Vi⁸ pigne II. 44. -f — Planta glabra biennis: radice tenui sublignosa. Caules plures herbacei, subsimplices decumbentes, 2—4 decimetr. longi, usque ad apicem foliosi, saepe a basi floriferi. Folia radicalia . . . , caulina crassa, oblonga vel obovata, basi attenuata, a basi caulis ad apicem sensim decrescentia. Flores axillares, in azimuthis sessiles, 2—3 glomerati, deraum inferne connati, virescentes, saepe trigyni, disco in cupulam primum purpurascentem subcarnosam, dein siccam pallidam stylos cingente eosque saepe superantem expanso, cupula passim subtriloba. Calycis fructiferi lacini costato-carinatae erecto-potentes, inferne ad nervum medium et ad margines sato-tumidae et inde quasi 3-tuberculatae. — Habitat in arenosis maritimis humidis agri Gaditani prope Puerto Santa Maria loco dicto Coto in Hispania australi

Ordo CXCIX. SAURURACEAE *Lindl.*

HL Pag 353

1827. APOBTOGETOW *Thnhg.*

'(Thnbrg Nov Gen 72)

- ¹ A ABYSSINIGUS Hochst. mss ex Ac!) Richard, Tent ilor Abyssin II 351 — Hadice globosa tuberosa, folus longissime peiolntis naianiibus, acutis aul subobiusis glabiis, scapis nudis, spicis terminalibus gem in is elongatis teretibus, bracteis ovalibus obtusis roseolis glabns — Habitat in aquis natans in Abyssimae prov Chire

Ordo CCII. EUPHORBIACEAE *R. Br.*

Hi Pag 355 no 4b EUPHORBIA PYRENAICA Jordan, Observ. III 237 f tab 11 fig 1—12 — Umbelle souvent nulle el repiesentée pa»une fleur solitaire à lexlrdrmiie* des rameaux, on à trois rayons umflores, dresses, de*passant a peine Jes feuilles de 1 involucre qui sont ovales - elliptiques, obiuses, laiblement denticule'es sui les bords dans leur moitie¹ supe*neure Involucelle a deux bracte*es e* gales, de forme ovale-rhomboidale, arrondies ou un peu tronque*es a la base, souvent un peu aigufis et denticule*es a la marge Imolucrc caliciforme a tube jaunâtre, turbine, attend en pedicelle à la base, a lobes internes, puipunns, o\ales, denies au sommet, glabres, a lobes externea ou glandes dun beau rouge fonce, arrondies - remformes, irès - entières Etamines 12—15, peu inegales, a filets saillanis, loges des antheres dun jaune pâle el parlaitement rondes Ovaire ovale, a pedicelle saillant hors du lube, souvent rougeâtre et dilate au sommet en disque caliciforme entier applique¹ sur la base de 1 ovaire. Style divise¹ jusqu² au tiers infe'rieur en trois branches e'talées, bifides et recourbees au sommet, a siigmates obove*s-spalules, verddtres Capsule globuleuse, tngone, arrondie sur les angles, tres-glabre, mume de rugosiie's verruqueuses courtes obiuses e*parses e't irts - inegales Gaïne li&se, gnsatre, elliptique, longue de 3 mill sur 2 mill de large Feuilles dun vert clair un peu jaunâtre, irès - glabres, irès obscure*ment denu. ^ule'e8 a la maige dans leui pauie supèneure, a veines et veinules en re*seau visible a Ulai sec, etaldes, ovales-ellipiiques, les infe'rieures re'lie'cies davantage à la base, arondies ironquees ou subemaiginees au sommet, les uipCneues plus ou moms ob-luses, rarement un peu aigues Tiges nombreuses, hauies de 4 a 8 cent, point rai-de's, de consistance herbage, souvent tiès - contoume'ies et flexueuses, strides, un peu anguleuses, ire's - glabres, jaundues, mumes a leur base de peutes ecailles jaunes ob-lu*es e*parses Souche honzoniale, a ramifications nombreuses, grAles, jaunâtrea, ar-cule*es, cheque articulation portant a sont sommet les dtibris des vieilles Uges ou des ll?es nouvelles. — Basses Pyrenees

- ^{4c} EUPHORBIA GADITANA Cosson, Noies sur quelques pi du midi de l'Espagne II 46 f
" Planta annua, magis minusve pubescens vel glabra: caulis 15—20 cenim longus j-rectus, sub umbella terminal! ramulos paucos emittens Folia sparsa obovaia obtusa, ba si aienuaia, saltern in pane supenore denticulate, saepius pubescenu-pilosa, mfenora lo Qgius m penoium atienuala, supenora subsessilia Umbella 4—5-radiata, ramis bis

quaterve trichotome ramosis, rarius simplicibus apice umbellulatis Folia involucri caulium similia, bractearum involucrium inangulato-ovatae vel suborbiculatae, basi truncatae, mucronulatae Glandulae integrae, transverse oblongae Capsula quam in *E platyphylla* subdimidio minor, verrucis subobtusis subhemisphaericis obsita, Semina subrotunda, laevia, quam in *E platyphylla* duplo minora, plumbeo-fusca — Habitat in arvis agri Gaduani prope S. Lucae de Batanedo

III Pag 359 no 32 EUPHORBIA DARLINGTONI A Gray, Manual of the bot of the N Umtl Staates 404 — Folia caulium lanceolato-oblongis infra pallidioribus minuteque puberulis, floribus orbiculato-dilatatis, omnibus inaequaliter exstipulatis, umbella 6—8-radiata, ramis multoties simpliciter furcatis, glandulis oblique ovalibus sessilibus ovario verrucoso, fructu obscurè verrucoso, seminibus gibbis sphaericis, parumper attenuatis — *E. nemoialis* Darlingi — Caulis 2—4-pedalis, affinis *Duphorbiae Hibernae* — In America boreali (Penn)

III Pag 362 no 1 OPHTHALMODLAPTON BRASILIENSIS Wipis mss deleatur ponaturque OPHTHALMOBLAPTON MACROPHYLLUM Fr Fi Allemão, Dispositio de Ophthalmoblo p 1 t c tab luhogi (Rio de Janeiro 1849 8 p 1—5 tab 1) — Nomen specificum in Ann sc natur [3 Sir] XIII 119 omissum est

III Pag 365 no 4 MLRUCURIALIS CORSICA Gosson, Notes sui quelques pi du midi de l'Espagne II 63 f — Planta glabra perennis, dioica Caulis erectus vix brachiatus ramosus, ramis dilatato-ascendentibus, basi frutescens Folia petiolata ova vel lanceolata, grosse dentata Flores masculinae in spicis bicoloribus axillaribus pedunculatis folium subaequantibus vix paulo superantibus glomerulatis Flores foeminae in axillis foliorum 3—4 ramosae subsolitariae, pedunculatae, pedunculo folio dimidio brevioribus, vel subsessilibus Capsula laevigata Semina affinis in *M elliptica* subdimidio minor rugosa — Habitat in montibus Corsicae

Ordo CCXXXIX. ALISMACEAE L C. Rich

in. Pag 506

II DAJHASOBTIUIH Juss

(Knth Enumer pi omn III 155)

- 1 D BOIRGAEI Cosson, Notes sur quelques pi du midi de l'Espagne II 47 f. Pedunculi radicales subsolitari vel 2—4, erecti vel ascendentes Folia omnia radicalia, 3—5' nervia, oblonga basi truncata vel cordata, longissime petiolata Flores in verticillo 3—5 remotae dispartitae Fructus quam in *D stellato* subdimidio minores Carpella in quoque fructu 6, valde nervosa, nervis usque ad apicem productis, rostro a carpello vix distincto Semina in carpello 2, oblonga rectiuscula — *Aisma Damasoninum* Desf Habitat in fossis et signis Europae meridionalis et Africae borealis
- 2 D POLYSPERMUM Cosson I c f — Pedunculi radicales solitari vel 2—4, erecti vel ascendentes Folia omnia radicalia, 3—5-nervia oblonga, basi attenuata, rarius truncata, aliquando linearia, longissime petiolata Flores in verticillo 2 subremotae dispartitae vel apice pedunculi radicalis umbellati Fructus quam in *D stellato* Carpella 7—9, rarius 6, nervosa, rostro a carpello distincto. Semina in carpello plurima 15—25, minima oblonga recta. — Habitat in agro Gaditano

Ordo CCXUV. ORCHIDACEAE *Lmdl*(Auctore *G. Reichenfyach.*)Tribus *MALAXIDEAE.*1340. *STURMIA Rchb.**{Liparis Rich. — Lo. p. 26. — Wlprs. Ann. I. 775. HL. 587.}*

1. *S. LOESELII *Rchb. hue: Malaxis Correana Barton ex Gray, Manual p. 466. (Idem jam suspicatus fueram cf. Orcb. Europ. p. 162.)*

1344. *PHOLIDOTA Lindl.**(Lo. 36. - Wlprs. Aon. I. 775.)*

- ¹. *PHOLIDOTA CHINENSIS Lindl. Journ. of the hort. soc. 11.308. adn.— Caespitosa: rhizomate brevi; pseudobulbis obtuse tetragonis ovatis rugosis 1 — 2-phyllis; foliis oblongis undulatis acuminatis recurvis; racemis brevibus, recurvis; bracteis cucullatis membranaceis ovatis parvis; floribus centrifugis; sepalis ovatis; petalis linearibus; labello oblongo acuto, basi concavo laevi, apice refracto* «(quatuorlobus. — In China (Canton).*

Tribus *EPWENDREAE.*1385. *BLIKTTA Rz. Pav.**(Lo. 120. — Wlprs. Ann. 1. 780.)*

- *L. GEBINA *Lindl. Journ. of the hort. soc. II. 307. - Foliis oblongo-lanceolatis plicatis acutissimis recurvis; racemis strictis 6-9-floris; bracteis oblongis obtusis cucullatis membranaceis cito deciduis; sepalis patulis linearibus - oblongis; petalis suffundulatis Paulo angustioribus; labello trilobo, laciniis obtusis, intermedia crenulata crispula, lamellis 5 ad basin usque extensis duabusque brevibus lateralibus pone apicem, clivario crenato. - Japooia.*

Tribus *OPHRYDEAE*.1510 *PEHILABIA Lindl*

(LO 281 — Wlprs Ann IN 580)

- t. 'P. FUSCESCENS' hue *Orchis flava* L. fid. Giay, Manual p 471 et *Platantheio flava* Gray 1 c

1520 *PLATAKTUEBA Rich,*

(LO 284 — Wlprs Ann I 79b III 581)

r%licome\$

- 1 PL LACERA Gray, Manual p 472 — Folns oblongis seu lanceolatis, racemo laiiifloro, plurifloro, pongonii phyllis internis oblongo-lineanbus integris, labelli lacinus tnbu* angustis, in paucas paries capillares divisus, calcan ovarium aequante — *Orchis pW codes* Muhlb. nee L. — *Orchis laceia* Michx. — Vulgans in Nova Anglia — Bract0>e breviores seu longiores floribus flavo-vindibus.
- 2 PL PSU20DES Gray 1 c p 472 — Folns oblongis, summis in bracteis lineari-l*11' ceolatas abeuntibus, racemo cylindraceo, dense muluflo, phyllis pengonii exterDi* rotundo-ovalibus obtusis, phyllis laieralibus internis obovato-spatulatis, superne deO' ticulatis, labelli divisiombus late cunealis, in mullas alias pariitis — *Orchis psychow** L. — *O hmbnata* Pursh — *O incisa* Muhlenb. — *O fissa* Muhlenb. in Willd.
- 3 PL PERAMOENA Gray 1 c p 473 — Folns infenonbus oblongo-ovatis, supenoribu* lanceolatis, spica oblonga seu cylindracea densiflora, pbjllis pengonii externis rotund' ovatis, lateralibus inteims rolundo-obovatis labelli magn dmsiombus late cunead'i irregulariter eroso - dentatis, lateralibus cunealis, media biloba — *P fissa* Liodl ** *O fissa* Pursh nee Muhlb.

Crassicomes,

- i. 'PL VIRIDI&' hue *Platanthera bracteata* Torr. in Gray, Manual p 470

Ordo CCL. AMARYLLIDACEAE *Lindl*III Pag 618 (ad s 4) XXXIX. COBURGIA *Herb.*

(Knth Enumer pi omn V 645)

- ¹ C BTYLOSA Lindl Journ of the hortie soc II 310 adn^r — Folus ngidis acutis l^gwa-
cis, umbella 3— 5-flora, spatha decidua, flonbus sessilibus tubo clavato arcuato d^s-
curvo, lacimis oblongo-ovatis conaceis apiculatis, coronae dentibus geminatis acutis
paulis, stvlo deflexo stamimbus rectis lacinnsque longiore — Quito

Ordo CCLIL OPHIOPOGONACEAE *Knth.*

III Pag M6

I. OPHIOPOCtOST.

(Knth Enumer pi omn V 297)

- ¹ O PROLIFER Lindl Journ of the hortie soc 1 76 adn. — Rhizomate radicante scan-
dente, folus recurvalis glabemmis ensiformibus, racemis spicalis interraptis longiori-
bus, bracteis ovatis, margme membranaceis, flonbus obovatis sublongionbus — In
msula Penang

Ordo CCLXXIX. GRAMINEAE *Juss.*

III Pag 771

872. URAIiEPIS *Nutt.*

(Knth Enumer 1 317, Suppl I 272)

- ¹ * U PALLID A Knjh 1 r 319 no a — *Poa dentata* Torr Flor of New York II f
»ab 155 (ex synon)

- ¹¹¹ Pag 781 no 3 BAMBUSA ELEGANTISSIMA Hsskrl. Plant. Javamcae p 42 no 19 —
Cauhbus tenuibus gracillimis altissimis, ramis terminalibus longisaimis gracilhnia pen-
^ulis, elegatissime culmos trunco&que arboium hosce sustinentes velantibui — Habitat
f n sylvis 4000 ped elatis inter montes Tilu et Malabar provinciae Bandang in terra
Preangereana

HL. Pag. 789. no. 3b. AEGILOPS TAUSCHII Cosson, Notes sur quelques pi. du midi de l'Espagne. II. 69. — Spica cylindrica, e spiculis 6—8 composite; glumis etiam spiculae terminalis muticis ovato-subquadratis, haud ventricosis, apice truncatis edentulis, glumellis brevioribus; glumellis inferioribus spicularum lateralium cristatis vel quibusdam muticis bidentatis truncatisve, in spicula terminali aristis longioribus. — *Ae. squarrosa* Schreb. — *Ae. cylindrica* var. *Vaurwa* Roem. f. Schult. — *Ae. caudata* Sm. f. Sibth. — *Gramen loUaceum spinum spica crassiore anslala* Buxbaum. — Habitat in Iberia et Georgia Caucasica.

Addenda posterlora.

Posteaquam Additamenta omnia typographo tradideram, vir Clarissimus Prof. *Dr. Capanema* ex urbe Rio de Janeiro in Brasilia novem mecum communicavit dissertatiunculas de plantis quibusdam Brasiliensibus, quas hoc loco addo.

Ordo XXXI. TERNSTROEMACEAE DC.

11. Pag. 176. no. 2. * COCHLOSPEBNUM INSIGNE St. Hil. — Wlprs. Repert. I. 367. no. 2. — *Azercdxa Pernambucana* Allemão, Apparccimento de uma collecção de desenhos do Doulor Manoel Arruda da Camara (Rio de Janeiro 1847. 4to. pp. 2. c. tab. libogr.) p. 2. tab. 1.

Ordo LXXI. LEGUMINOSAE Juss.

MYROCARPUS *Allemão*.

(*FT.* Freire Allemão, Dissertat. de Myrocarpo fastigialo. [Rio de Janeiro 1847. 4to. c. tab.])

1. MYROC. FASTIGIATUS Allemão 1. c. p. 1. tab. — Arbor procera: trunco 80-100-palmari longitudine, 6—7 diametro, cortice crasso resinoso riraoso cinereo, mateti¹ densa ponderosa suaveolenti fusco-cmerea, ramis primordiis ascendentibus in amplu¹ fastigium desinentibus, r&mulis geniculatis, epidermide glabra fusca lenticellosa tectis. Folia alterna imparipinnaia, petiolo communi 2—3-pollicari gracili canaliculato, basi¹ tar¹idolo; petiolulis 1—2- linearibus, foliolis pleruraque 7 alaternis vel suboppositis^{5*} terminali regulari 10—15 lin. longitudine. 6—9 lin. latitudine, lateralibus nliquum¹Wluu¹ irregularibus, sensim magnitudine deorsum decrescentibus, omnibus (variante forma) ovflitis, ellipticis seu obovatis, basi leviter aculis, apice acutis, obtusis vel emargin¹¹is, mffiffrine irrt¹pris, leviter reflexis membranosis glabris, facie pallide virentibus, <t^{ors0} glaucis, penninerviis, nervo raedio dorso prominente, lateralibus tenuissimis, &²ul¹is oblongis pellucidis, reticulo venarum interpositis praeditis. Stipulae nullae, an caducissimae? Flores minuti odori, in spicas binfls seu ternas ex aillis Ibliorom pariter

ortas disposal. Pedunculus comniunis rectus gr[^]cilis angulosus puberulus, i-j i/, . polhcans, propno folio minor, basi bracteolis squamosis, e perula persistentibus stipatus Pedicelh alterm brevissimi, singuh bracteola lineart caduca suffulu Cahx tubuloso-campanulatus striatus membranous semilucidus, dilute vindis, leviter pubescens, limbo 4-, interdura 5-, raro 3-dentato, dentibus mimmis latis acuimsculis Cololla 4- sive 5- vel 3-petdla, prout calycis divisiones, petahs albis lanceolato-lmeanbus, margine disci fundum calycis vestientis insertis, alternis, calyce fere duplo longionbus, floie aperto contorto-reflexis, inter se aequalibus ersymmetris Stamina 8, 10, 6, fundo calycis cum petalis afflia, valde exserta lnae[^]jualia, dimidium dimidio longius, filamentis discrelis capillaceis flexuosis albidis, anlhens subcordiformibus basiQxis iDtrorsis luteohs Pistillum llineare subfalcatum, leviter pubescens, e fundo caljcis recte assurgens, stamina altiora parum superans, stylo continuo vix incurvo, stigmatem muto ovano stipitato compresso, 3—4-ovulato, ovulis lineanbus, etrophosphermio suturah pendentibus Legumen mono-, raro dispermum indehiscens compressum, margine utnnque attenuatum sive membranaceum, basi acutum, apice obtubiusculum, pencarpio vesicuh seu lacunis resina plenis, pnrnum fluida, demum concreta, odore forti et ingrato praedita utnnque lurgidulo Semen pencarpio haud facile solubile oblongum compressiusculum, paene fusiforme, basi longe aculura, apice obluuiusculum, juxta axin peucarpn localum, hilo pi ope apicem silo, podospermio nullo, mtegmento membranoso lenui, albumine nullo Embryo rectus, cotyledombus basi roiundatis, apice attenuatis acutis, radicula bievi exserta, bilum spectaoti et apicem Jeguminis, gerarnula inconspicua — Lignum densum odoium durabile suppedat ad opera varia construenda — Habitat in Brasiliae sylvis pnmaevis

- ? *MYROC FRONDOSUS* Allem^o, Dissert de Myrocarpo *trondoso* (Rio de Janeiro 1848 4to c tab) p 1 — Arbor magna trunco 50—60-pedali longitudine, 3—4 diametro, cortice crasso pro fun de rimoso albo-cinereo resinoso, mateno fusco-grisea, suavitei olenti ponderosa durabili (si dium caveas) ramis primordus contortis, novellis gracilibus flexilibus teietibus glabns, coma ampla frondosa, formam pyramidis aemulante Folia alterna imparipinnata, petiolo gracili tereti 3—4-pollican, folioli[^] 5—9 alternis (raro suboppositis), inter se inaequalibus, supenonbus sensim majonbus, terminali symmetiQ ovaii-elliptico, basi acutulo, [^]3 poll longo, i%—2 lato, lateral bus ovalibus, basi inaequalibus rotundatis scu MX acutatis, cunctis petiolo partial! lurgidulo 1—2-hnari mstructis, apice acuminatis, margine integris, membranaceis, punctis vel l'neis pellucidis farctis, glabns, supra nitide virentibus, subtus parum de color atis Penninervns, nervo mediano dorso prominent!, lateralibus capillanbus, parum visilibus, vems subtiliter reticulatis Stipulae deficiunt Flores parvi albi odon, in -spicis d'sposm, spicis 2—5 ramulo contracto, anllari, nunc umco, saepe bmo (altero alieno) nascentibus, racemum umbenaeformem componentibus Pedunculi graciles l^ecti sulcati, vix puberuli, pedicellis brevissimis, bracteolis sulfultis Calyx tubuloso campanulatus membrianaceus 5-nervuIosus obsolete quinquedeniatus, ad fundum disco P[^]igyneo conferruminatus Corolla 5-petala, petalis candidis aequalibus lineanbus, Calyce duplo longionbus, ad basin attenuatis, ad apicem latiusculis ovalibus concavis, Margine disci nascentibus alternis, Qore aperto i eflexis Stamina 10, raargim disci cum petalis mserta, calycem multo superantia, 5 majora, petalis aequalia, 5 mmora, flamentis capillanbus subulatis glabns, antbens cordiformibus basiflxis mirorsis biculdribus, oculis longitudinaliter dehiscentibus Pistillum centrale erectum cultrium» stamina breviora aequans, ovano stipitato compresso, 5—6-ovulato, stylo brei (GU«vmm) stigmatem punctiformi Legumen mono seu dispermum indehiscens compressum, utroque margine raerabranosam sive alatum, basi attenuatum, breviter siipilatum, apice leviter acuminatum, mucrone lento terminatum, cum dispermura inter se ~~mna~~ contractum Pericarpium alis exceptis extus venoso-reticulatum, glandulis seu lacunis resina plenis, pnrnum fluida, demum concreta odore piaedita terebthmo farctum Semen anatrosum linean-oblongum, unciam et ultra longum, linea latum, haud facile pencarpio solubile, nisi aliquot dies macerationi subjectum, brevissimo

podospermio nppensum, longitudmalitei locatum, epispermio tenui membranaceo, hilo nd .ipicem ^ito, rhaps liffean, chalaza hilo opposita. Embryo exalbummosus rectus lmearis, radícula brevi hilum specianto cotyledombus longissunis, plerumque inaequalibus, gemmula inconspicua — Hnhitil in Brasiliae sylvis pnmaevis

Ordo LXXXV. CQMBRETACEAE R BT.

VICEXTIA *Allemão*.

(Allemão, Dissertat de Vicentia acummata [Rio de Janeno 4to 1844 c tab])

- 1 VIC ACUMINATA Allemão I c — Arbor procera cortice crasso rimoso emereo, rami patuli tortuosi, ramusculi teretes laeves fusci puberuli Folia alterna sparse, petiolo 1—2-pollicinii gracili canaliculato pubescenti, facie juxta basin limbi glandulis duabus suboppositib verrucaeformibus, summo depressis munito, limbo elliptico-ovato, basi acutiusculo, apire acummato, margine mtegro puberulo - ciliato, nervis pinnatis dorso prominens, dense rufo-pilosis, laltralibus pnrallehs arcuatis, in axilla fasciculo pilorum instructis, facie puberulo, rloiso iufo - velutino tomentoso, dense et minute pellucide punctato, punciis supri el infri prommulis, lenticula obseivandis, conaceo membranaceo Supulae nullae Flores minuti&simi hcrmaproditi lacemosi, raceoai axillares penduli, pedunculus gracilis angulatus pubescens, semel divisus, flores sessiles alterni, bracteohs minutis enducis suffuhi Calyx regulans, tubo obsolete triangultito cum ovario ronno, limbo meeolato-companulato, supra ovanura constneto, obsolete quadndeniato deciduo, extus pubescens Corolla nulla Stamina octo, into calycis limbo inseria, 4 opposita, 4 dltrna, pnonbus paululum longiora, filaments libem recta subulnta glbrn purpurea, vix exserta, antherae biloculares, cordiform⁵ luteae, doiso juxta basin afflxae erectae introrsae, uma longitudmali dehiscent[^] Ovanum infeium uniloculnre biovulalum? (ovula sunt minutissima, vix unum disceferere potui), ovula c summo loculi pendula, stylus subulatus lectus, stamiD¹¹, aequalis, crebns pilis basi cinctus, stigma continuum Fructus conaceo-lignosus 8[^] ber trialatus (ra»o4-alatus), alls longiludinnlibus subaequalibus transverse strialis, b^{sl} ciassis, margine menibranaceis, indehiscens monospermus (abortu⁷) Semen fusiform* p funiculo longo flóxuoso pendulum, loculum explens, cpispermium membranaceutD embryo exnlbuminosus conformm, radiculn minimo supera, cotyledombus foliaceis, sP¹ iabler convolutis — Habitat in Brasiliae sylvis pnmaevis

Ordo CXLV. APOCTNAGEAE *Undi*

GEISSOSPERMUM *Allemão*.

(Allemão, Dissert de Geissospermo Vellosn [Rio de Janeiro 4to 184b t tab.]

- 1 GEISSOSP VELLOSI Allemão I c f - Arbor ptocera cortice vix ramis **novellus** lactescenti, annosis caulibus huraidulo, 4—5-linean crassitudine, profunde el **irregula-**

inter nemoso, stratis liben facile dissolubilibus, oohrae colore tinctis, pura amantudine
 pollentibus Rami toituosi patuli, ramuli elongati flenbiles dichotomi (raro 3-chotomi)
 laieraliter divergentes, tomento cinereo primum conspersi, demum glabrescentes Folia
 alterna patentia disticha ex ramulorum positione, quamobrem palmae formam simulant
 isti, peulo 2—3-linean subcanaliculato, limbo i—3-pollica^longitudine, 1—1% poll
 latitudine, ovah-lanceolato, basi acuto apice longe acuminato, margine integro undulato,
 membranaceo-corjaceo glabrescenti, in ramis novellis pilis genceis cinereis undique
 dense obducto, nervis pinnatis, uti inque prominulis Stipulae nullae Flores minuti,
 ex trichismo cinerei, modon racemosi, racemis extraaxillaiibus, Coins multo bievion-
 bus Pedunculus angulosus, indttei mimic divisub, divisuns brevibus, smgulis bra-
 cteola acuta caduca suffultis Omnia pilis senceis cinereo - fuscis conspeisa Calvx
 monosepalu* persistens eglandulosus, extus eodem tchn&mo pedunculi cooperius, tubo
 brevissimo, limbo quinquepaitito, lacmiis acutis erectis., lubo roiollae multo brevjon-
 bus, aestivalione subvalvala Corolla hypociatenmoipha beibaceo-conacea, extus,
 similuer uc calyx, pilosa, lubo subangulaio, inedio juxtd faucem inflato, intus glabro,
 limbo quinquefldo, lobis oblongis obiusis, aelivatione dextroisum imbncatis, vix con-
 tort is, fauce contracta Stamina 5 alterna, pane inflata corollae mseria, mclusa, flla-
 mentis brevibus, parte libeia pilis mmutis erectis, parte corollae adhaerenti, pilis in-
 camis cotomlormibus, mfa deflexis, mumlis, anthens connivenuhus, stigmata ample-
 ctantibus inlroris, basi emarginatis, apice acuminalis biloculaubus, loculis adpositis,
 nma longuudinaliter dehiscentibus luteolis, polline granuloso lepletis Nectana nulla,
 Ovana duo subconnata, extus dense villosa, carpidns uniloculanbus, ovulis bisenalis,
 slylis adhaerentibus, infra stigmata subturgidis, bisulcatis, stigmaubus mmutis termi-
 nalibus Fructus gemmati (raro uno abortivo) baccati ovoideo - acuminati divancati,
 dum virides pilis senceis cinereis conspepsi, cum inaluri glabn lutei, parte supenore
 seu venirah sulco, quasi evanido longuudinaliter notati Pencarpium indehiscens (?)
 carnosum, copioso et lenacissimo lacte proegnaus, unicellulare, sed a septo falso e
 phcentano producto in locellos duos quasi dmsum, semina trophospermio, suturae
 ventrali silo, afflxd, peltata leuticularia, irregulariter ovata seu rotundata bisenaha im-
 bncata, pseudodissepimento facie ventrali upplicata, pulpa succosa non laclescente
 •nvoluta, tesla chartacea pallida calva, tegmine tenui, endobpermio parco subcorneo,
 embiyone recto, coivledonibus foliacei9 p)ams coidifonmbus, gemmula brevissima,
 radícula obtusa, versus apicem fructus directa — *Tabeinaemoniana laevis* Velloz. —
l allenã Riedel — Habitat in Biasiliae sylvis pumaevis.

Ordo GLXZV. NYCTAGINACEAE *Lindl.*

ARTDRADKA *Allemão.*

(*Allemão*, Dissert de Andradea flonbunda [Rio de Janeiro 1845 4to c tab])

- ¹ ANDR FLORIBUNDA *Allemão* I c - Arbor excelsa trunco crasso, cortice ternu,
 suberoso nmoso cinereo, ramis alternis, ramulis novellis lomento mcano pulverulento,
 ° P>l's minutissimjs stellatis producto, demum deciduo dense conspersis Folia alterna,
 Petiolo 4—6-lmean gracili canaliculato tomentoso, limbo 4—5-pollican longitudine, 2
 totUudine, ovali-elhptico, basi acuto, apice valde acuminato, margine integro membra-
 n&G&u, facie glabro, dorso lomento incano-siellaio spisse coaferio, demum glaltrescente,

nervis pinnatis, mediano pagina inferius prominenti, supponitur sulcalo, lateralibus tenuissimis Stipulae nullae Flores racemoso-pamculati, pedunculo subsulcato, sive anguloso, incano-stellato-tomentoso, in ramulos alternos semel vel bis diviso, ebracteato?, pedicellis unilobis 4—5-nerviis, 2—4 conjunctis vel fasciculatis, tam extremitatibus quara juxta basin ramulorum Calyx monosepalus persistens, tubo brevi infundibuliformi, limbo 5-partito (laesime quadripartito), lobis oblongis acutiusculis, aestivatione in alabastrum oblongum coalitis, ad anthesin valvulis ruptis, reflexo-patentibus, extus incano-flavescentibus, intus albido-virescentibus lomeniulo pulveriformi obductis Abbastra pendula, flores erecti Corolla nulla Stamina plura (12-20), inter se aequifolia lobis perianthi breviora, post anthesin nigrescentia, libera, marginibus membranulae fundum calycis duplicantis inserta, filamentis gracilibus puberulis, antheris linearibus bilobulatis introitis erectis subbasifixis, loculis immediate adpositis, basi discrepantibus, nuda dehiscenlibus Pistillum liberum sessile, germine turbinato minute costato Uaoto tomentoso, stylo terminali bicurvo, stigmatibus papilloso-lateralibus, peritrem convexam slyli occupanti cristataeformi nigro persistente Achaemum globoso-turbinatum, basi perianthio ad integrum persistenti vestitum, apice stylo indurato armatum Pelicarpium membranaceum uniloculare monospermum Semen erectum summo trophospermo brevis centralis inflexum cavitatem ovarii non implens, subreniforme, epispermio membranaceo, laevi fusco, embryoni subadhaerenti Embryo conduplicatus, radícula extrorsum mfero, cotyledonibus foliaceis corrugatis, superius albumen evanidum applicatis — Habitat in Brasiliae sylvis pumaevis

Ordo CLXXXII LAUREACEAE *Lmd*

SILVIA *Allemão*,

(*Allemão*, Dissert. de Silvia navalium [Rio de Janeiro 1848 4to. c. tab])

- 1 S NAVALIUM *Allemão* 1 c — Arbor ingens coma ampla, folia laevia virentibus semper onusti truncis induratis 80—90-palmis longitudine, 10—15 palmis inferiori cortice crasso pallide cinereo, superius ficibus inaequali, haud rimoso, ramis toruiosis, ramulis teretibus scabundis et foliorum cinctibus peractorum, pilis pallide ferrugineis super ramulos et gemmas foliorum inspersis caducissimis, Idcirco panes illae glaberrimae evadunt Folia alterna, ad extremitates ramulorum approxmata, petiolo 4—5 lin. superne piano, limbo 3—4 poll. longo, 8—12 lin. lato, obovato lanceolato, basi attenuato acuto, apice acutiusculo, sive obtuso, margine integro undulato conato superne nitide, subtus pallide virenti, penninervis, nervis utrinque prominulis, v. reticulatis Stipulae nullae Inflorescentia racemosa, racemi axillares, folia multo breviores, pedunculis semel divisis, ad divisiones bracteolis caducissimis nudit glabris Flores minutissimi, ad pedunculorum extremitates congesti, pedicellis brevissimis, singulis bracteola vix apparenti caduca suffultis Pungomum gamosepalum tubo infundibuliformi, limbo sexlobo, lobis subacutis, alternatione bisentatis, interipsum vix minoribus, glabrum persiciens Lobi nulla Stamina tria, fauce perigynae juxta marginem disci, lobum illius intus vestitus mseta eilrorsa, lobis opposita, usque paululum majora, filamentis compressis, spalhulatis, glabris, appendiculatis, antheris bilobulatis, loculis adatis ovatis operculatis, operculis ad apicem solute. Statio imperfecta nulla. Germen coarctatum &

inclusum, uniloculare, ovulum unicum anatropum pendulum includens. Stylus continuus erectus, stamina vix superans, in stigma peliato-umbilicalum desinens. Fructus ovalis seu obovalis, diametro vericuli fere sesquipollicaris, transversaliter 8—10-linejarum. S pedicello 3—4-linejarum assulentus, perigonio persialenti, non aucto basi suffultus, glaber, apice excentrico poululum umbonatus, parum anlequam pedicello solviitur ex viridi in olivaceum, denique in aërum colorem transit. *Pericarpium indehiscens, crassitie prope lineari, extus subcarnosum, intus suherosum. Semen ovatum, loculum absolute implens, cujus summo e funiculo brevissimo pendet. Epispermium Qiemhra.noso- cbartaceugi, ALO sujnerjpri, rhphe el cbalaza ramoso-reticulatis (quod in somine immaturo convenit obseruari), Albumen nullum. Embryo re cms oyntus, cotyledonibus aequajibus piano-convexis albo-purpurascensibus, ad basin peliculis, «dicula inclusa parva obtusa, ad hilum et verlicem fructus directus, gemmula minima d'phyljn. — Habitat in cacuminibus montium ultra mUle ped^s altorum in Brasilio provincia Rio de Janeiro.

Ordo CCII. EUPHORBIACEAE A. Br.

HIERONYMA AUemao.

(AHemão, Dissert, de Hieronyma. [Rio de Janeiro 1848. 4to. c. tab.]

1. HIRRON. AtChORNEOIDBS Allemão 1. c. — Planta dioica. Mas ignotus. Foemina : arbor proceia: liunco 50 — 60-pedali, diametro 4-pedali et ultra, corlice crasso scabro griseo non laescenti, nigris (scilicet duramio) rubescenti, ponderosa firmi ; coma aiupla, ramis novellis crassis, longiudionliier iurugatis, pilis scuiatis minutissimis, pallide seu fusco-nitens dense cooperilis. Gemmae, stipulate noivoli, pedunculati t bractoe eodem trichismo iustructi. Folia altcfna ampla peliolata, petiolo 3—4 Pollicari tereti rugoso, ad apicem turgidulo incurvo, limbo ovali-rotundo, 4 — 6 pollic. longi, 3—4 poll, lato, basi rotundato, apice breviter mucinato, margine inlucro, membranaceo - coriaceo, facie fusculo - viridi, squamulis sen pilis sculntis punctiformibus videntur iuspersa, dorso iisdem squamulis, primum albicanlibus, demum fuscis sen ferrugineis subnitidis dense cooperio, nervis pinnatis, infra vnde prominensibus, superioribus sulcatis, lateralibus parallelis incurvatis, venis reticulatis. Stipulae lineares mucatae, foliolis petiolatis, marginibus convolutis persimiles caducae. Flores minuti, in racemulis paniculaeformes axillares, foliis minores dispositi. Pedunculus semel divisus, divisurjg seu ramis longis patentibus, bracteis linearibus stipularum similibus munitis; pellicellis brevibus, bracteolis suffullis. Calyx cupuliformis herbaceus, exclus lepidotus obsolete quadridentatus persilens. Corolla deficit. Pistillum conicum, obsolete bisulcatum glabrum, disco anulari basi cinctum, ovario biloculari, loculis bivulvatis, ovulis apicibus collateralibus anatropis, stylo continuo, apice bicurvi, crinibus bifidis, mucinis seu stigmalibus inclus papillis glandulosis instructis. Drupa minima, forma el magnitudine piperi nigro similis, calyce persistente sulculata, carne sive pane exteriori pericarpium succosa, sapore dulcidulo, colore vinaceo; putamine osseo, extus rugaio nigrescenti, semen unicum (abortu) continenti. Semen ovatum, epispermio tenui, albumine oleoso - farinaceo, embryone recto, radicula exserta, hilum directa, cotyledonibus subcordatis planis applicatis, gemmula minima. — Habitat in Brasilia sive

ill. Pag. 378.

5874. D R Y P E T E S *Vahl.*

(Vahl, Kclog. III. 49.)

1. DR. SESSILIFI-OLIUM Allemão, Dissert, de Drypete sessiliiflora. [Rio de Janeiro 1844. 4io mss. c. tab. lithogr.]. — Arbor mediocris: ramis alternis, extremitatibus striatis fusco-pubescentibus. Folia alterna distich* magnitudine et forma aliquantulum varia, petiolo 3—6-poll. canaliculato pubescenti, limbo 3—7-poll. longitudine, 1/2—2/3 latitudine, ovali vel elliptico-oblongo, basi rotundato vel acutiusculo, symmetro vel inaequilaterali, apicem emarginato obtuso acuto vel acuminato, margine obsolete et remote serrato, coriaceo glabro (in gemmis pubescenti), superne nitido saturate viridi, sublus dilutione, nervis pinnatis, utrinque prominentibus, venis reticulatis. Stipulae minutissimae triangulare* deciduae. Flores minuti axillares glomerati sessiles junisexualis dioici. Flos masculinus: Calyx monospalus, extus fusco - villosus, tubo brevi, infundibuliformi, limbo quinque-dentato, dentibus subaequalibus acutis, margine parumper imbricatis persistentibus. Corolla nulla. Stamina 10 (raro plura vel pauciora) circa discum planum 5-sinuatum pilosiusculum insertis, 5 dentibus calycis opposita, adversus sinus et sub margine inferiori 5 alterna et super lobos juxta marginem ejusdem adstantia, filamentis viridibus calycis longioribus, inter se aequalibus, subulalis pilosis, antheris ovatis basi fixis erectis introrsis, basi emarginatis, ad apicem pilosis, bilocularibus, longitudinaliter debiscentibus. Rudimentum pistilli nullum. Flos foemineus: calyx ut in masculino Rudimenta staminum nulla. Ovarium sessile conicum truncatum villosum subregulari uniloculare, loculo bivulvato, ovulis e summa camera pendulis. Stigma sessile peltatum laevissimum carnosum persistens. Drupa obovata, aliquantulum liquida, dum viridis cinereo-sericea, cum imatura luteo-puberula, stigmate sicco coronato, pedunculo 2—3-lineari, cum illo crescentie suspensa, pericarpio extus carnosiusculum intus coriaceo - fibroso. Semen (abortu) unicum, pariete pendulum, pericarpio coniforme, laevissimum longitudinaliter depressum, quasi sulcatum, epispermio membranaceo reticulato fusco, hilo summo depressionis sito, absque caruncula albumine copiosiusculum ferulaceo, embryone intrario, cotyledonibus foliaceis cordiformibus planis, radice conica recta supera. — Habitat in Brasiliae sylvis primaevis.

INDEX ALPHABETICUS

classium, ordinum, subordinum, tribuum, generum, specierum.
sectionum et synonymorum omnium

in

Annalium botanices systematicae

Tom. II. & III. obviuruni.

Nomina classium lileris Romania maximi* Traduntur.
Nomina ordinum lileris Romania majoribus traduntur.
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 — corincoa flsskrl. HI. Add. 892. no. 2 b.
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 — fiigopyroides Kuth. el 3ouch4 II. 650.
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 — Ilnmiltoniana Lehm. II. 650. no. 3.
 — Kimthiana Wlprs. II. 650. no. 7.
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 — *iliafolia* Scheele II. 23. no. 6.
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 — — a. Alert, et Kch. III. 779. no. 1. B. *.
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 — *longipilus* Kummer et Sendtner III. 779. no. 3.
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 e. *hordeaceus* HI. 779. no. 1. B.
 a. *pratensis* III. 778. no. 1. A.
 C- *secalinus* HI. 779. no. 1. B.
 i). *velutinus* *ibid.*
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 — *Petitiosus* A. Rich. III. 779. no. 6.
 — *pratensis* Ehrh. IH. 778. no. 1. A. O.
 — *pubescens* G. Koch HI. 780. no. 9.
 — *purgans* Torr. et Gray HI. 780. no. 12.

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 — *secalmus* Linn HI 780 f
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 — - Sclirad III 779 no 1 B £.
 — — p I inn HI 778 no 1 A a
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 — *steal* a *gioasus* Koch III 779 no. 1
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 — *secl* 8 *hordeaceus* Koch III 779 no
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 — *Kccal* p *velutinus* Koch III 779 no 1
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 — *purpurascens* Wddll. II. 784. no. 11.
 — *purpurea* Lamb. II. 783. no. 3. a.
 — *quercifolia* Pav. II. 785. no. 18. a.
 — — var. *ci'ispa* Pnv. II. 785. no.
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 — *rotundifolia* Pav. II. 784. no. 10. (5.
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 P- **Dclomlrana** iliifl.
 a. **genuinn** ibid.
 — *stnocarpa* Lamb. II. 786. no. 3.
 — *stupea* Pav. II. 783. no. 2. a.
 — *Tnrantaron* Pav. II. 781. no. 1.
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 — *villosa* Lindl. II. 785. no. 16.
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 — *Clinense* Gardn. et Champ. II. 945. no. 10.
 — *Coulteri* Harvey et Gray II. 944. no. 5.
 — *deserlorum* Fisch. III. Add. 915. no. 16.
 " *criophoro-lanceolatum* C. H. Schultz II. 943. no. 2.
 — *esculentum* C. A. Mey. III. Add. 914. no. U.
 P « *Caucasicum* *ibid.*
 « • *Sibiricum* 915.
 ^ *Fiickii* Fisch. et Mey. III. Add. 915. no. 13.
 — *Gerhardti* C. H. Schuliz II. 943. no. 2.
 — *grandiflorum* Kind II. 945.
 " ~ *grumosum* Fisch. et Mey. III. Add. 915. no. 14.
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 " ~ *elongata* Miqu. II. 230. no. 7.
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 " " *Leonensis* Hook. fl. II. m. no. 5.
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 ?• *eontraeta* ibid.
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 — *ndentaia* Steud. II. 269. BO. 9. «.
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 — dilntnta Hochst. HI. 357. no. 15.
 — discolor Bertoloni III. 358. no. 22.
 — eremophila All. Cunn. III. 355 no. 3.
 — flexicaulis Schcele III. 359. no. 28.
 — Gaditana Cosson III. Add. 927. no. 4c.

- Euphorbia Geyeri* Engelm. III. 358. no. 33.
 — *glaberrima* C Koch HI. 356. no. 9.
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 — *contracta* Boiss. II. 841. no. 5.
 — *enosphaera* Boiss. elUeldr. II. 841. ~~no. 4~~
 — *Palaestma* Boiss. H. 841. no. 3.
 — *rotundafa* Moris. II. 841. no. 1.
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 — *modestus* Hance. III. 116. no. 1.
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 - *cordata* Krlhls. II. 612. no. 1.
 - *cyanea* Blme. 'II. 611. no. 1.
 - *cyanea* var. *Krthls.* II. 611. no. 3.
 - *yaleata* Krtbls. II. 611. no. 1.
 - *lajifolia* Blme II. 611. no. 2.
 P- *membranacea* *ibid.*
 •^ *tuberculata* Krthls. U. 611. no. 2.
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 ~~ *bellum* (lance HL 77. no. 1.
 *- *bicolor* Rxbg. III. 77. f

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 — *Peroltetil* Grlaeb* III. 77. i
 — *peiiflare* Griseb. HL 77. f
 — *pumilum* Griseb. III. 77. f
 — *sessile* Linn. III. 77. f
 — *Zeylanicum* Rxb. ill. 77. f
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 — *ovatus* Blme. HL 310* no. 1.
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 — *amorphoides* Knth. 'II. 360. no. 1.
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 - *Crelica* Delile II. 244. no. 3.
 ~~ *echinella* Boiss. II. 245. no. 5.
 *- *glutinosa* Schimp. II. 244. no. 3.
 ~~ *grandiflora* Boiss. II. 244. no. 1.
 — *Kahirina* Boiss. II. 244. no. 3.
 ~~ *myriacantha* Boiss. II. 244. no. 4.
 - *Pnrviflora* Boiss. IL 245. no. 7.
 'J' *Thebaica* Boiss. II. 244. no. 2.
 'agraea Thnbg. HL 75.
 'W' *Amboinensis* Blme. HL 75. no. 2.
 *- *apendiculata* Blme. HL 76. no. <.
 - *alebica* Blme. III. 75. DO. 4.
 — *congesta* Blme. HL 75. no. 7.
 ~~ *coromandelina* R. Wght. III. 75. no. 10.
 ~~ *cuspidata* Blme. HL 76. no. 13.
 ~~ *- *orstenii* Blme. III. 75. no. 3.
 - *juacescens* Blme. III. 75. no. 8.
 ^ *heteriophylla* Blme. HL 75. no. 6.
 ^ *Malab^aca* Blmo. HL 76. no. 16.
 ^ *anceolata* Blme. HL 76. f
 ^ *Worali** KrlhU. HL 75. no. 6.
 ~~ P- *Amboinensis* Blume HI 75.
 no. 2.
 - *Malab^aca* R. Wght. IU. 76. DO. II.

Fagraea morindaefolia (\$. *robutta* *filumé*
 HL 76. no. 14.
 — *robust* Blnie. HL 76. no? 14.
 — *splendens* Blme. HL 75. no. 9.
 — *Bubreticulaia* Blme. HL 76. no. 15.
 — *truncata* Blme. III. 75. no. 1.
 — *tubulosa* Blme. HL 75. no. 5.
Fagus Tournef. HL 388.
 — *castanea* Thnbg. HL 389. no. 6.
 — *crenata* Blnie. HL 386. no. 1.
 p. *procera* *ibid.*
 f. *undulata* *ibid.*
 — *ferruginea* Ait. UL 388. f
 — *ferruginea* Siebold III. 388. no. 1.
Faralneo A. Rich. II. 750.
 — *axilliflora* Mart II. 795. no. 4.
 — *In-acteata* Both. IL 751. no. 9.
 — *eapiiaia* Both. JL 751. no. 2.
 — *cotorata* Bntb. IL 761. no. 10.
 — *cornifolia* Bntb. JL 751. no. 5.
 — *corymbota* Bntb. U. 751. no. 3.
 — *hydrangeaefolia* Bntb. II. 751. no. 6.
 — *Morilziann* Bntb. II. 751. no. 8.
 — *nitida* Bmh. II. 752. no. 13.
 — *nodosa* Bntb. II. 750. no. 1.
 — *panicuiata* Bulb. 'IL 751. no. 7.
 — *petiolaria*-Bmb. IL 751. no. 4.
 — *Purdieana* Both* II. 751. no. 12.
 — *Schomburgkiona* Bntb. IL 751. no. 3.
 — *Sellowiana* Bnib. II. 751. no. 11.
Fafsetia Turr. 11. 87.
 — *multicaulis* Boiss. et Hohen. II. 37. no. 1.
 — *ovalia* Boiss. IL 37. no. 2.

- Ficus** polymorpha Gasp. HI. 419. no. 4.
 P- bifera
 &• depre«sa
 £• elegans
 T) haeroatocarpa } ibid.
 * Juliana
 £* melanocarpa
 Y« Snnensis
 — radwans Cnttretto III. 422. no. 16.
 "" TbonrMign Blume III 418. no. 5.
 ~ villosa Blume III. 421. no. 14.
Fieldia (Vanda) III. 565.
 — lissocutuhides Gaudieh. III. 565. no. 10.
 — Lindl. HI. 565. no. 10.
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 — Abys^nica C. H. Schutlz II 904. no. 3.
 — canescens.Jord III. Add. 908. no. 5
 — enocephnla Gus«. III. Add. 908. +
 ^ lutescens Jord. III. Add. 908. no. 4.
 — repens Scheele II. 903. no. I.
 — spaihulata Prsl. III. Add. 909. f
 — Tezana Sehecle II. 904. no. 2.
 I'Micomies (Ploianihera) III. 581. eL930.
 Ihlipendnhnae (Acbfloa) II. 888. no. 1.
 Fimlnmnlheia (Lagarinthus) Turcz. HI. 55.
 no 3.
 ftmötiali (Dianthus) II. 101. no. 13.
 Kmbnstyhs Knth. III. 688 (ex p)
 Fimbristylis Vahl III. 687.
 "- coleotricha Hochst. III. 687. no. 3.
 "- lomentocarpa Hochst HI 687. no. 1.
 — muncata Bnth. III. 688. no. 6.
 — oligostachys Hofh«t. HI. 687. no. 2.
 — Pusilla Hochst. HI. 687. no. 4.
 — smifolia A. Rich. 111. 688. no.-5.
 Fl) schena DC. HI 60.
 ""• Maruana Dene. III 60. no. 1.
 "" Martwna Dene. III. 60. no. 5.
 Fl) ncourim Commrrs. II. 61.
 "- 'hamnoides Eckl. et Zeyh. II. 62. no. 1.
 y* Vogeln Hook. 61. II. 61. no. 1.
LACOURTIANEAE Rich. H. 61.
 "pmmiila (Clematis) II. 3.
 tla) veii_a Ju«s. H. 870.
 *- Auatralasica Hook. II. 870. no. 4.
 ~~ chloiaefbha A. Gray II. 870. no. 3.
 ""* Conirajerba Pers. 'II. 870. no. 1.
 j ngifo_ha A. Gray II. 870 no. 2.
 Fl) ««cheria Sicud. °H. 140. et 'II. 168.
 J. Pubens Sieud. 'II. 110. no. 1.
 jeughmanma C H. Schuliz 'III. Add. 907.
 JJ^ nodosiy|_a C.H. Sohultz III. Add. 907. no.1.
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 |f tuberosa Dnlzell II. 435. no. I.
 -10) ckea WHU. Hi. Ad. 839.
 Florckea proserpinaooides Willd. 'III.* Add.
 839. no. 1.
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 Foenum Graecum (Trigonella) II. 344.
Folha de inferno HI. 247. no. 1.
Follcnlareg Endl. III. 329.
 Fornasmia Bertoloni °II. 366.
 — ebemfera Bertol. °II. 367. no. 1.
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 For^kn^lea Linn. HI., 416.
 — procndifolia B. Webb III. 416. no. 1.
 — vindis Ehrbrg. III. 416. no. 2.
 Fortunaea Lindl. II. 294.
 — Ghinensis Lindl. MI. 294. no. 1.
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Fothergilleae Gardn. II. 274.
 Foetidia Tommers. III. Add. 891.
 — obliqua Blume HI. Add/ 891. no. 2.
 — retusa Blnme HI. Add. 891. oo. 1.
 Fouquiera H. B. Knth. °III. Add. 828.
 — formosa H B. Knth. HI. Add. 828. no. 1.
 — spinosa H. B. Knth.'III. Add. 828. no. 3.
 — splendens Engelm. III. Add. 828. no. 2.
 Fragi sterilis Lapeyr. II. 502. no. 140.
 — — P« parvtflora E&peyr. II. 502.
 no. 141.
 — Vatilantn Lapeyr. II. 503. no. 148.'
 Fragana Hall. II. 499. no. 128. II. 505.
 no. 154
 — praecox Kit. II 502. no. 140.
 — sxcca Gilib. II 502. no. 140.
 — sterilxs Lin. II. 502. no. 140.
 — — **procumbent, folus Betomcae mstar**
 serratis Amm. Ruth. II. 509. no. 170.
 — **sterilts sytvcsrlis, sericea seu mcana**
 Gand. II. 498. no. 121. Y-
 Fragaruistrum (Potentilla) Lehm. II. 502.
 Fraganoides (Potentilla) Lehm. II. 474.
 Fiagiformes (Potentilla) II. 504.
 Fiankenin Linn. II. 88. HI. 828.
 — Boissieri Reuter II. 88. no. 1.
 — glomerulata Cosson HI. Add. 628. no.
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 — scabra Lindl. II. 89. no. 2.
 — serpyllifolia Lindl. II. 89. no. 3.
 FRANKETFACEAE St. HI. II. 88. HI. 828.
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 — tenuifolia Harv. et Gray II. 850. no. 1.
 — tomemosa A. Gray H. 850. no. 2.
 Frasera Walt. HI. 86.
 — mtida Bnth. HI 86. no. 1.
 Fraxxnaster (Fraxinus) HI. 16. no. 1.
 Fraxmus Tournef. HI. 16.
 — Americana L. HI. 17. f -
 — nulle lacuum C. Koch HI. 17. no. 3

- Galeobdolon* (Lamium) III. 26T. no. I.
Galeopsis LHM. HI U7
 — glandulosa G Koeb. III. 267. no. 9.
 * Pyrenajca Darl HI 267. no. 2.
 ^ sulphurea Jord IK 267 no 1
 ^aleolha Deanmontu Lindl. et Pait. HI.
 544. no 1.
*Gahniera coffeoides** Dehle II. 7B3 no. 1.
Gakoideae (Asperula) (I. 710. no. 9.
 ^dlipea St. Hil. II. 246
 — flssn Miqu II. 246. no. 1.
Gahtachia (Tachigaba) II. 448 no. 1.
 ^Galium Linn fl. 734. III Add. 901.
 ^ amsophyllum Vill. IH. Add 906. f
 ^ alpicola Jord III. Add 903. no 28.
 — aspenfolium Wall. II 738. t
 — asperrimum A Gray II. 734 no. 1.
 — brachypodium Jord. HI Add 903. no. 27,
 ~ Cassium Boiss II. 73\$. no. 5.
 °c luMocarpum ibid
 P- calvescens ibid.
 — colliniim Jord. III Add 903. no. 80.
 — commutatum Jord. III. Add. 905. no. 3\$.
 — concatenatum COSDQI) Ul. Add. 901.
 no. 12 b
 ** Creticum Doiss et Heldr. II 737. no. 16
 — decipiens Jord III. Add. 905. no 37.
 ~ dehcaturum Boiss. et Hoben. II 737.
 no 15.
 "" dipiopi ion Boias. et Hoben. II. 737.
 no 17
 ^ Pendlen A. Gray II. 737. no. 19.
 cum var \$ ibid.
 ~ Pleuroti Jord. H. 735 no. 7.
 ** hamamm Hochst. H 738, no. 21,
 ** implexum Jord HI. Add, 904. no. 39.
 ^ "Umextuffn Jord. III Add, 904 HQ. 34.
 ** J u d a i a u n j Boiss II 73ft, no. 9.
 " 'aeium Jord IU. Add. 903. no, 29.
 ** ^nceolatum Torr. UL Add 901, 00.12 c
 "- Lape,rou3iQQum Jord, W, Add. 905.
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 "- 'uteolum Jord III Add. 902. no. ?6.
 "" ^ L y c i u n i Boiss, H 736. no 12
 *"" W m u u l g i B Jord. Ul. Add. 906 no. 99,
 "" MonachiAii Boiss. Heldr, II 734 00. 3.
 ~" m ^ r i o n t h u m Jord HI. Add 902. no. 35,
 ^ P a m p h y c u m Poiw. et Heldr. II 735,
 no 8.
 "" penicillatum Boist. II. 795. no, 6.
 ^ PestoJoazae Bojss, JL 737. no, 14.
 ^ P h i l i s t n e u m Boiw. II. 736. no U.
 " wsireruni Bwss.. u 735. no, 4.
 ^ Prostrn Jordan HI. Add. 902. no. 24.
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 — serotinum Boi««. of Heldr. II. 736
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 — Simonse Hochst. II 737. no. 20
 — aaronum Hance IL 734. no 2.
 — tenefaim Jord fil Add 905. no. 88
 — tenue V||l. III Add. 906. ft
 — Texanum Seheete II. 787. no. 18.
 — Timeioyi Jerd. IU Add. 904.'no. 32.
 — Torreyi Bigelow III. Add. 904 no 12 c.
 — venustum Jordan HI. Add. 901. no. 22.
 — vulcamcum Boiss. et Hoben. II. 736.
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 — glauca Cav 'HI Add. 834. no. 2.
 — Imifolia Asa Gray II 199. no. 1.
Ganophyllum Blume 0II 289.
 — falcatuoi Blme. MI 289. no. 1.
Garcima Linn II 190.
 — flonbunda MI4U n 190 1.
Gardenm Kills II 796
Gaidenm acumnata G. Don II. 796.
 no 6.
 — acummata Knhls. II. 796. no. 5.
 — calycina G. Don II. 795. no. 5.
 — daphnoidefl Mance II 796 no. 4
 — grandis KrlbU. IL 796 n«. 4.
 — longiflora Ait II 795 no. 3
 — longifoha G Pon II. 795. no. 8.
 — maaantha R et Seb II 795. no 3.
 — mallfifera Hook II 795. no. 2.
 — racemulosa Knhls II 797. no. 6.
 — resirufera Krtbls, II 796. no. 3.
 — SKmieyana Hook. U. 795. no 1,
 — Vogeln Hook, fil, ML 79& no. 1.
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 — aolviaefojia GoHa Ul 253 no. t.
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 — nngulosui Jai^ et Sp\$cb II. 95>. no 2.
 — hedipnois Jnyb. et Spaeh II. 053. no 1.
GaiugaRfb, III. Add. 843.
 — Javamca Blme. U. 2IP *o. i
 — pinnate JRub MI| 4>dd. 843. no, 1.
Gastranthps Dntb. MI. 1072.
Gastiocotyle Bnge ° ill. t^8.
 — hispid* fiAigo 'UL 129. no, f.
Gastrolobiilm R Br. H. 31^.
 — caListachys Meiad, 11 912. no. 2.
 — homulwun JHisn. II. 312; no, 5,
 — polysiacijyum Ye»sn. 11. 31*. no. 3.

- Gentiana gelida M. B. var. prostrata Boiss.
HI. 85. no. 9.
- — *nummularifolia* var. *crassulifolia* Benth.
HI. 84. no. 1.
 - * *Pedicellata* Wall. III. 85. f
 - ~ Pulmonaria Turci. III. 84. no. 3.
 - *aalpiiu* Grsbch. III. 85. no. 8.
 - *saponaria* Linn. III. 85. f
 - *selaginifolia* Grsbch. III. 84. no. 1.
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a. Javana ibid.
^: *Zeylanica* in. 409.
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 d clavata ibid.
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 (i. jjarviflora ibid.
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 (J. lanceolata ibid.
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 p. tuberculata ibid.
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 — *graoilis* Uerlol. II. 865. no. 4.
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 - *Aucheri* Boias. II. 899. no. 5.
 " *buddleoides* DC. II. 900. f
 ~ *chry»cephalum* G. H. Schulti II. 900.
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 "* *chrysocoma* C. H. Sobultz II. 900.
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 " *fonnoaisaimum* C. H. Scultz II. 898.
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 ~ *fferberaefoium* G. H. Schultz II. 900.
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 * *g»obifeium* Boiss. II. 899. no. 7.
 ~ *Klobosum* C. H. Scultz II. 900. no. 14.
 " *gnseum* Sonder II. 900. no. 15.
 — *norridum* C. H. Schultz II. 898. no. 3.
 " *'oucocophalum* Boiss. II. 899. no. 8.
 ~ *niveum* Boiss. el Ieldr. II. 899. no. 9.
 — *Psychrophilum* Boiaa. II. 899. no. 4.
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 — *linifolium* Lehm. HI. 123. f
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 — *ricinoides* Grcke. II. 143. no. 7.
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 — *aesiivum* E. Fries II. 1014. no. 151.
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 — *albidum* Vill. H. 1011. no. 138.
 — *alhiflorum* Hook. II. 1008. no. 123.
 — *Allionii* Tausch II. 989. no. 30.
 — *alpesire filomm, longioribus foliis, flore yallido* Tit. II. 1011. no. 139. (*.
 — *alpestTe saxatile, foliis gramineis angtilis, flare luteo magno* Tit. II. 996. no. 62.
 — *alpicola* Schleich. II. 983. no. 4. fl.
 — *alyinum* Allion. II. 990. no. 33.
 — *alpinum* var. L. II. 993. no. 51. p.

- Hieracium alpinum* Ehrh. n. 994. no. 54.
 — — Fl. Dan. II. 994. no. 53. (5).
 — — Vill. II. 990. no. 34.
 — *alpinum* Lam. II. 993. no. 53.
 8. *gracilentum* *ibid.*
 Y- *fuliginosum* *ibid.*
 (3. *melanocephalum* *ibid.*)
 — *alpinum angustifolium villosum* Scheuchz.
 II. 991. no. 37.
 — *alpinum* f§. *Halleri* Wimm. et Grab. II.
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 — *alpinum aphyllocaulon tomentosum, folio*
 subrolundo etc. II. Vaill. II. 999. no. 80.
 — *alpinum foliis angustis oblongis vix den-*
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 — *alpinum, foliis angustis raro dent at is*
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 — *alpinum, folio acuto molli lanuginoso*
 dentato Plant. Burs. II. 1011. no. 138.
 — *alpinum, folio oblongo acuto laevi* Burs.
 II. 993. no. 51. (5).
 — *alpinum fruticosum subhirsutum* etc.
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 — *alpinum glabrum angustifolium* Plant.
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 — *alpinum hirsutum, flore minore atropur-*
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 — *alpinum* var. *fuliginosum* Laestad. et
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 — *alpinum Jaceae villaso folio* Tit. II. 992.
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 — *alpinum latiore folio pilosum* Pluken. II.
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 — *alpinum longifolium incanum* Scheuchz.
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 — *alpinum, magno flore, alterum* Plum.
 II. 991. no. 38.
 — *alpinum* var. *nigrescens* Wimm. et Grab.
 II. 1001. no. 87. p.
 — *alpinum non I acini a turn flore fusco* Bauh.
 II. 985. no. 16.
 — *alpinum, pumilum, folio lanuginoso* Yaill.
 II. 990. no. 34.
 — *alpinum Sudeticum* Wimm. et Grab. II.
 994. no. 53. Y«
 — *alpinum tomentosum, folio lanceolato*
 profundo dentato Vaill. II. 997. no. 69.
 — *alterum* Lob. II. 1015. no. 152.
 — *altissimum* Lapeyr. II. 993. no. 51. d.
 — *ambiguum* Lapeyr. II. 992. no. 45.
 — *ambiguum* Ehrh. II. 987. no. 21.
 — — Schleich. II. 1014. no. 149.
- Hieracium ambiguum* Schult. II. 1014. ttf
 149. Y-
 — *amplexicaule* Gaud. II. 994. no. 57. II.
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 — *amplexicaule* M. Bieb. II. 1011. no.
 139. Y-
 — *amplexicaule* y. Monn. II. 995. no. 59. (*
 — *amplexicaule* Linn. II. 995. no. 58.
 Y' *balsameum* *ibid.*
 P. *longifolium* *ibid.*
 — *amplexicaule aureum* Gaud. II. 994. no. fi&
 — *amplexicaule* p. *villosum* Tausch II*
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 — *amplexicauli accedens* Smith II. 1005-
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 — *andryaloides* Vill. II. 997. no. 70.
 P- *undulatum* *ibid.*
 — *andryaloides* Y- *pictum* Koch II. 99.
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 — *Anglicum* E. Fries II. 998. no. 75.
 — *angustifolium* DC. II. 988. no. 25.
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 — *angustifolium* (3. *Coderi* DC. II. 988. *
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 — *antburum* E. Fries II. 1010. no. 136. **a**
 — *apicalum* Tausch. II. 1001. no. 87. r
 — *approximatum* Jord. II. 1019. no. ltt»
 — *argent eum* E. Fries II. 999. no. 82.
 — *argillaceum* Jord. II. 1024. no. 188. **g**
 — *armeriae folium* Rchb. II. 986. no. *?• i*
 — *argutum* Nutt. II. 1009. no. 128.
 — *asperum* M. B. II. 989. no. 32. -
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 — *atratum* E. Fries II. 1001. no. 88.
 p. *ramulosum* *ibid.*
 Y- *tenué* *ibid.*
 — *alrovirens* Fr61. II. 1001. no. 91*
 — *attenuatum* Tausch II. 988. no. 27. **a**
 — *aurantiad subsp.* Raji II. 985. no. i*
 — *aurantiacum* Allion. II. 986. no. i*V
 — — Fl. Ross. II. 985. ne. ****g**
 — — p. Gaud. II. 989. no. »
 — *aurantiacum* Linn. II. 985. no; <••
 P. *bicolor* *ibid.*
 Y» *luteum* *ibid.*
 — *aurantiacum flavwn* Gaud. II. 988. **Dr**
 16. Y.
 — *auratum* E. Fries II. 1016. *»• Jf*
 — *Auricula* Engl. Bot. II. 984. no. »• P#
 — — E. Fr. II. 984.
 — — Leers II. 985. no. 14.
 — *Auricula* L. II. 984. no. 9.
 P. *caulescens* {*ibid.*

- Metacinn Auricula* Vill. II. 983. no. 3.
 — *Auricula* Willd. II. 986. no. 18.
 — — *var. alpina* Vill. II. 983. no. 4.
 * " • " - ? • *sylvicola* Besser II. 985.
no. 14. (J).
 — *Auricula majus* Wabl. IL 984. no. 10.
 "" — *alpina var* virescens* Lindbl.
 H. 985. no. 11.
 — auriculaeforme E. Fries II. 983. no. 3.
 P- denigralum ibid.
 — *Auiculo - Pilosella s. auriculaeforme*
 Fries II. 983. DO. 3.
 ~~ australe E. Fries II. 1004. no. 100.
 — Avilae H. B. Kntb. II. 1007. no. 117.
 — *balsameum* Asso IL 995. no. 58. Y*
 — *barbatum* Loisel. II. 992. no. 47.
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 — — Tausch II. 1016. no. 159.
 — *Bauhini* Bess. II. 986. no. 18.
 — *bellidifolium* Fröhl. II. 994. no. 55. Y-
 — *Besserianum* Spreng. If. 985. no. 14.
 — bifidum Koch II. 999. no. 79.
 — *bifidum* tftaib. II. 1002. no. 95.
 — - Schleich. II. 1002. no. 93.
 — — ? *bursaefolium* Frdl. II. 1003.
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 — bj fur cum M. Bieb. II. 983. no. 5.
 — *bifurcum* Fröhl. II. 983. no. 2.
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 — boreale E. Fries II. 1017. no. 162.
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 — *boreale* var. Fries II. 1014. no. 150.
 — — — *lalifolia* Fries II. 1004. no.
 101.
 "" *boreale* var. *latifolium* Blytt II. 1005.
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 — brachiatum Bertol. II. 963. no. 7.
 ?• auriculatura ibid.
 &• corymbosnm ibid.
 Y- hirsutissimum ibid.
 — *bretifolium* Tausch II. 1015. no. 154.
 — *breviscapum* DC. II. 988. no. 25.
 — — Gaud. II. 984. no. 8.
 — Bructerum E. Fries II. 994. no. 54.
 — *bupleurifolium* Tausch II. 1012. no.
141. p.
 ~~ bupleuroides Graef. II. 996. no. 62.
 X« brevifolium ibid.
 P- gī aminifoliura ibid.
 — bursaefolium E. Fries II. 1002. no. 97.
 "" «. *poliotrichum* Lindbl. II. 987. no. 22.
 — caesium E. Fries II. 1002. no. 95.
 P* nemorum ibid.
 Y" bifldtttoi Ibid.
- Hieracium cacspitosum* Dumort. II. 985.
 no. 14.
 — calcareum Bernh. II. 996. no. 64.
 — *calcareum* WiHd. II. 999. no. 79.
 — Californicum DC. II. 1009. no. 128. f
 — *calyce fusco* Vaill. II. 1017. no. 162.
 — *culyculatum* Hort. Bo I. II. 996. no. 64.
 — *Canadense* Fröhl. II. 1004. no. 99.
 — *Canadense* Michx. II. 1016. no. 156.
 Y> macrophyllum ibid.
 p. microphyllum ibid.
 — *Canadense I'rutieosum glabrum* Sarrac.
 II. 1016. no. 156.
 — *Canadewte fruticosum hirsutum* Sarrac.
 II. 1013. no. 144.
 — *candicans* Tausch II. 998. no. 76.
 — *Candollei* Fröhl. II. 992. no. 45.
 — — Mono. II. 988. no. 25.
 — *canescens* Hort. Bot. II. 996. no. 64.
 — *Carpathicum* Bess. II. 1012. no. 140.
 — *Castellanum* Boiss. II. 982. no. 1. €
 — Capense Linn. II. 1006. no. 108.
 — *Carolioiaoum* E. Fries U. 1009. no. 126.
 — *caule continue foliaeo, foliis acuminatis*
firmis dentatis Hen II. 1014. no. 150.
 — *caule firmo rigido striato, foliis longis*
obtusls etc. Ray II. 1034. no. 100.
 — *caule folioso, foliis amplexicifolibus*
ovato-lanceolatis etc. Hall. II. 1912.
 no. 143.
 — *caule nudo brachiato* etc. Hall. II. 986.
 no. 17.
 — *caule ramoso continue folioso, joinis*
ex cordato lanceolatis amplexicaiUibus
 Gmel. II. 1018. no. 166.
 — *caule unifloro, foliis laevibus, radic.*
Ungulate obiter dentalis Hall. II. 991.
 no. 41.
 — *ceratophyllum* Desf. II. 1014. no. 149. Y-
 — *cerinthoides* Gaud. II. 993. no. 50.
 — — Gouaii. II. 993. no. 51. Y*
 — — Vill. II. 994. no. 57.
 — — var. Un. ilin. II. 993. no. 48.
 — -?' Vill. cum varr. II. 1000.
 no. 84.
 — *cerinthoides* Y* *altissimum* Fröhl II. 993.
 no. 51. &•
 — *cerinthoides angustifolium* Tournef. II.
 992. no. 46.
 — *cerinthoides* Linn. II. 991. no. 41.
 • ^ longifolium ibid.
 — *cerinthoides dentatum* Gouan II. 1013.
 no. 145.
 — *cerinthoides multicaule* Monn. II. 993,
 no. 90.

- Hieracium pallidum* Bivona II. 998. no. 76.
P. furcatum *ibid.* 999.
 — *pallidum* Wilhl. II. 999. no. 81. Y-
 — *paniculatum* Hort. Lund. II. 1014. no.
H9. y
 — *paniculatum* Linn. II. 1010. no. 137.
 — *pannosum* Boiss. II. 998. no. 73.
 — *Veduncularc* Wullr. II. 983. no. 2. p.
 — Parnssi E. Fries II. 997. no. 67.
 ~ *parvum, cauliculis tenuissimis ramosis*
 ' etc. Rny II. 1012. no. 141. f•
 — *patens* Brllng. II. 1018. no. 169.
 — *Pedunculare* Tausch II. 994. no. 55.
 — *Pelclerianum* Mer. II. 982. no. 1. 8.
 — *pelludum* P« Wahl. II. 1000. no. 66.
 " ~ — Wahlbrg. II. 1001. no. 91.
 — *Pennsylvanicum* E. Fries II. 1010. no. 133.
 — *Perfoliatum* Frdl. II. 1012. no. 141. P-
 — *persicifolium* E. Fries II. 999. no. 77.
 — *Persictim* Boiss. II. 1018. no. 168.
 — *Peruanum* E. Fries II. 1007. no. 113.
 — *pciolare* Jord. II. 1027. no. 199.
 — *peiraeum* Friy. II. 988. no. 26.
 — *petraeum* Iloppe II. 995. no. 59.
 — *Phalunyii foliis* Vaill. II. 995. no. 61.
 — *phlomoide* Frdl. II. 992. ho. 48.
 — *phlomoide Syriacum latijolium, foliis*
Candida et densa lanugine obsitis Moris.
 II. 998. no. 73.
 — *picroides* Gaud. II. 1011. no. 139.
 P- ochroleucum *ibid.*
Y* raniosissimuni ibid.
 — *Picroides* Vill. II. 1011. no. 139. Y
 ~ *Pictum* Schleich. II. 997. no. 71.
 " *Piliferum* Hppe. II. 990. no. 34.
 " *PHocephalum* Willd. II. 990. no. 36. p.
 •" P»loselln Linn. II. 982. no. 1.
 Y* *grandi(or)um ibid.*
 P- *nigrescens ibid.*
 •• *Pilosissimum ibid.*
 e- *velulinum ibid.*
 a< *virescen^ ibid.*
 ^ *Pilosella* var. Pollich II. 984. no. 7.
 " " — var. *pilosulum* Frdl. II. 982.
 no. i. a.
 "• *Pilosella* var. *grandiflora* DC. II. 982,
 "o. 1. y.
 ^ *Ptilosella* p. *incana* DC. II. 982. no. 1. e.
 ^ — p. Poll. II. 982. no. 1. 8.
 ^ p. " — *bi-triflora* Liljbl. II. 983. no. 3.
 ^ *rtosellae folio* Tausch II. 985. no. 11.
 — var. Hall. II. 990. no. 33.
 •• i *uosclla elatior non rep ens minus*
 "irtuta, foliis longis etc. Mich. II. 988.
 no. Jlc.
- Hieracium pilosellaeforme* Hopp. II. 962.**
 no. 1. Y-
 — *piloseUoides* Harlm. II. 987. no. 20.
 — — Ledbr. II. 987. no. 19.-
 — — Vill. II. 986. no. 17.
 — — Wallr. II. 987. no. 21. p.
 — — *Armenium, vulgari simile*
 Vaill. II. 987. no. 23.
 — *piloseUoides bupleinifolium* Vaill. II.
 988. no. 28.
 — *piloseUoides Florentinum binis ternisve*
flonbus Michel. II. 984. oo. 7.
 — *piloseUoides Florentinum, vulgari "simile*
 Vaill. II. 986. no. 18.
 — *piloseUoides Ilalicum, foliis lalis, utrin-*
(ue viridibus Vaill. II. 989. no. 30.
 — *piloseUoides latifolium, floribus saturate*
ci-occis Vaill. II. 986. no. 16.
 — *piloseUoides longo et angusto folio leviter*
dentulo, lore magno Boccon. II. 991.
 no. 40.
 — *piloseUoides majus tongifolium, floribus*
luteis fere umbellatis Vaill. II. 989.
 no. 29.
 — *piloseUoides, Statutes folio, floribus*
numerosis minimis Vnill. II. 986. no. 17.
 — *piloscllaides' vulgare* Vaill. II. 984. no. 9.
 — *pilosissimum, parvo lore non ramosum*
 IMuken. II. 992. no. 47.
 — *pilomm Cnici folio* Cupan. II. 1013. no.
145.
 — *plumbeuni* E. Fries II. 1002. no. 94.
 — *politum* E. Fries II. 996. no. 65.
 — *polyphyHum* Rochel II. 991. no. 39.
 — — Schleich. II. 991. no. 40.
 — — Willd. II. 996. no. 62.
 — *polytrichum* Ledeb. II. 994. no. 53.
 — *porreclum* E. Fries II. 1001. no. 89.
 — *porrifolium* Linn. II. 095. no. 61.
 p. *denticulatum ibid.*
 y. *saxicolum ibid.* 996.
 — *porrifolium* Vill. II. 996. no. 64.
 — — Auctt. var. \$• Monn. II. 996.
 no. 62. >
 — *praealtum* Wimm. et Grab. II. 986. no. 18.
 p. *decipiens ibid.*
 8. *dopilatum ibid.*
 , Y* *hi.spidissimum ibid.*
 — *praealtum* var. *hirsutum* Koch II. 987.
no. 21.
 — *praealtum* var. *piloielloides* E. Fries II.
987. no. 20.
 — *praemorsum* All. II. 989. no. 29.
 — *pratense* Ledeb. II. 987. no. 21.

- Hieracium Sabaudum Canadense* Hort. Bot. II. 1013. no. 144.
 — *Sabaudum hybridum* Gaud. II. 1012. no. 142.
 — *Sabaudum a. genuinum* Gaud. II. 1017. no. 161.
 — *Sabinum* Sebnst. et Mauri II. 989. no. 30.
 *• *Norvegicum* ibid.
 P» *rubellura* ibid.
 Y* *vittatum* ibid.
 — *Sartorianum* Boiss. II. 997. no. 68.
 — *saxatile* Jacq. II. 996. no. 61. Y* et no. 63.
 — *saxatile* Schleich. II. 1000. no. 84.
 — *saxatile* Vill. II. 992. no. 47.
 — *saxatile pumilum usperum* J. Bauh. II. 997. no. 68.
 — *saxatile* varr. Auctt. var. f. Tausch II. 996. no. 64.
 — *saxatile* Balb. II. 997. no. 69.
 — *saxifragum* E. Fries II. 1000. no. 84. (J. hispidissimum ibid.)
 Y« *vimineum* ibid.
 — *scabriusculum* Schwein. II. 1016. no. 156.
 — *scabrum* Michx. II. 1010. no. 135. p. *virgatum* ibid.
 — *SchmidtU* Sonder II. 1002. no. 72.
 — — Tausch II. 998. no. 76.
 — *Schraderi* Hook. II. 1013. no. 145.
 — — Rec. II. 990. no. 34.
 — *scorzoneræfolium* Vill. II. 990. no. 35. ei 991. no. 40.
 — *scorzoneræfolium* Tournef. II. 996. no. 63.
 — *scopulorum* Lapeyr. II. 992. no. 47.
 — *Scouleri* Hook. ii. 1010. no. 131
 — *Scouleri e Pennsylvania* Hook. II. 1010. no. 133.
 — *semigtahratum* Coramers. II. 1007. no. 114.
 — *setigerum* Rchb. II. 987. no. 22.
 P« *caule raro paniculato* ibid.
 — *setuigerum* f. 51. II. 987. no. 22. p.
 ~ — Tausch II. 987. no. 23.
 — *Siculum* Guss. II. 1005. no. 105.
 P- *nanum* Guss.
 — *Sieberi* Tausch II. 1011. no. 139. P-
 — *Silhetense* DC. II. 1006. no. 110.
 *** *species Ind. orient. umbellatis floribus* etc. Wuken. II. 1036. no. 110.
 — *speciosum* Hornem. II. 991. no. 39.
 "- *speciosissimum* Willd. II. 991. no. 39.
 — *tPhuerocephalum* Blytt II. 983. no. 6.
 "" *Phuerocephalum* Fröl. II. 983. no. 4. P- *alpicola* ibid.
 *• *Vicatum* All. II. 1012. no. 141.
- Hieracium spurium* Chaix II. 983. no. 6.
 — *stncefolium* Vill. II. 995. no. 60.
 *— *statices folio* Tournef. II. 995. no. 60.
 — *stelligerum* Fröl. II. 1001. no. 90.
 — *Sternbergii* Fröl. II. 998. no. 76.
 — *stoloniferum* Bess. II. 987. no. 19.
 — *stoloniferum* Desf. II. 983. no. 4.
 — — *latifolium* Gilib. II. 985. no. 14.
 — *stoloniflorum* W. et Kit. II. 982. no. 2. P. *collinum* II. 983. no. 2.
 Y* *pullatum* ibid.
 — *strictissimum* Fröl. II. 1012. no. 143. Y-
 — *strictum* E. Fries II. 1012. no. 143. p. *granulatum* ibid.
 Y> *strictissimum* ibid.
 — *strigosum* Don II. 1006. no. 112.
 — *subnudum* Fröl. II. 1009. no. 129. p. P. *retusum* Fröl. II. 1008. no. 125. p.
 — *subrotundo folio* C. Bauh. I|. 1015. no. 153.
 — *Succisæ folio sylvaticum* Vill. II. 1003. no. 98 c. f.
 — *Sudeticum* Sternbrg. II. 994. no. 55. J: *bellidifolium* ibid. J: *glossophyllum* ibid.
 — *Sudelicum* Sternbrg. II. 1012. no. 140. — Tausch II. 994. no. 53. Y-
 — *Suecicum* E. Fries II. 981. no. 10.
 — *sylvatici* var. Gouan II. 1002. no. 92.
 — *sylvaticum* Auctt. II. 999. no. 81. P* II. 1001. no. 100., 1012. no. 142. et 1014. no. 149.
 — *sylvaticum* Berlol. II. 1005. no. 104. — — Fl. Dan. II. 1003. no. 98 c. e. — — Lapeyr. II. 1017. no. 162. — — Vill. II. 1003. no. 98 c. Y- — — Wfhl. a 1004. no. 101. — — Wallr. II. 1002. no. »5. p. — — Willd. II. 1003. no. 98 c. f. — — *γ. rigidum* Wahl. II. 1014. no. 150.
 — *sylvestre* Tausch II. 1017. no. 162.
 — *sjlvicola* Jord. II. 1027. no. 201.
 — *symphytifolium* Fröl. II. 1005. no. 105.
 — *Syrlicum villosissimum* Vahl II. 1018. no. 167.
 — *Taygetum* E. Fries II. 998. no. 73. p. *hirulosissimum* ibid.
 — *Tenoreanum* Fröl. II. 982. no. 1. p.
 — *thyrsoideura* E. Fries II. 1008. no. 121. — — *plebejum* E. Fries II. 1008. no. 121. P-

- Uippoglossum VoJenlinum* Clns. Ilk 275.
no. 11.
- Hippomne Linn. fl. 361.
— *biglmlulosa* Linn. III. 361. no. 1.
- Hippomaneae** Banl. III. 360.
- Ihppomrathroides* (Seseli) II. 702. no. I.
- Hippomaraihrum Lnk. II 720.
— *crassilobum* Boiss. et Ieldr. II. 720.
no. 1.
- "iraen Jcq. II. 205.
— *fulgens* A. Juss. II. 206. +
— (*jalphimoides* Grsbch. II. 205. no. 3.
— *gracilis* Bnlh. II. 205. no. 3. (et no. 4.
qune est omnino end em.)
— *miilLillora* Miqu. II. 205. no. 1.
— *oleacfolia* Unth. II. 202. no. 2.
— *oleacfolia* Bnlh. II. 206. no. 5.
— *rosea* Miqu. II. 205. no. 2.
- Hiitella Linn. II. 462.
— *cngnata* Stoud. II. 463. no. 2.
— *hexandra* Willd. II. 462. no. 2. f
— *hispidula* Miqu. II. 462. no. 1.
— *pohjandra* Knih.nf. Add. 851. no. 1.
- Ilodimnn^sfpjfln <nv. II. 44.1.**
— *ciuilnlh* A. Grny II. 443. no. 1.
- Uojmciislera* Hclib. III. HI. 563.
- Hufmcislorella* Rchb. HI. °III. 563.
— *eumicroscopica* Rchb. fl. III. 563. no.1.
- Ilohenwartha* Vest II. 910.
- Holarrhenn R. Ur. III. 40.
— *Africana* A. DC. 'III. 40. no. 2.
— *Codoga* 6. Don HI. 40. "i
"* *Maloccensis* Wght. HI. 40. no. 2.
- Holböllia* Wall. III. Add. 813.
— *acuminaia* Lindl. III. Add. 813. no. 1.
- Holiqarna longifolia* Spanoghe II. 285.
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- Holopteloa* Plnch. °III. 423.
~~ "tegrifolia Planch. •HI. 424. no. 1.
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- HOMALINEA** B. Ur. II. \$78.
- Homstolepis** Turcz. °H. 215.
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"oinocerurin Naud. °III. 881.
~~ vagnns Naud. Mil. 881. no. 1.
- Hooch Ommas* HI. 487. no. 37.
"°«V-lforol HI. 485. no. 28. e.
"ooy-Korrot HI. 485. no. 28. p.
"i <>oy-Mukka III. 485. no. 28. €
"oy-Omai" 487. no. 37.
jtooy-Omwa, HI. 487. no. 40. f.
"oW'Tjatjng III. 485. no. 28. Y-
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^ / f t **eca** *Texana* A. Uraun HI. 301. no.1.
- urdeceae** Knth. III. 782.
- Hordcum* Linn. HI. 786.
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— *coelesle trifurcation* Hort. III. 787. no. 1.
— *deflcians* Sieud. HI. 786. no. 1.
— *macrolepis* A. Braun HI. 787. no. 2.
— *sponianicum* C. Koch HI. 787. no. 3.
— *vaginatum*-C. Koch HI. 787. no. 4.
- Uornunum* (Snlvn) Bnlh. III. 255.
- Hornschurchm hypericina* Blume IK 190. no. 3.
- Hosnckia* Dougl. II. 358.
— *hrachycarpa* Bnth. II. 358. no. 4.
— *oblongifolia* Bnlh. II. 358. no. 1.
— *puberula* Bnih. II. 358. no. 3.
— *rigitla* Bnlh. II. 358. no. 2.
- Horslmnnia* Miqu. °IU. 35.
— *myriifolia* Miqu. 'II. 35. no. 1.
— *lylhvarioides* Sleud. II. 551. no. 7.
- Uoustonia htimifusa* Engelm. II. 772. no. 33.
- Hovea* R. Br. II. 314.
— *leiocarpa* Bnth. II. 314. no. 1.
- Hoy - bogo* III. 490. no. 62.
- Hoy Selan* HI. 478. no. 23.
— **Sollang III. 478. no. 29.**
- lloyn It. Iir* III. 6.1.
— *a I bi flora ZI»JI. III. 09. no. 1.*
- **Ariodna Dene. HI. 66. +**
— *bella* Hook. III. 65. no. 3.
— *cinnamomifolia* Hook. HI. 65. no. 1,
— *coriacea* Blume HI. 66. \
— *corona Ariadnes* Blume HI. 66.
— *coronaria* Blumo HI. 66. f
— *crassipes* Turcz. HI. 65. no. 4.
— *deiksifolia* Turcz. III. 66. no. 5.
— *glohulifera* Blumo HI. 66. no. 6.
— *yrandiflora* Dene. HI. 66.
— *imperials* Lindl. HI. 66. f
— *lacunusa* Blume HI, 65. no. 1.
— *las i ant ha* Knhls. HI. 67. no. 1.
— *laurifolia* Dene. HI. 65. no. 1.
— *macrophylln* Blme. III. 66. f
— *ovnlifolia* Wght. et Arn. HI. 66. f
— *pallida* Lindl. HI. 66. f
— *polystachya* Blume HI. 66. no. 8.
— *yubera* Blume HI. 64. no. 5.
— *purpurea* Blume HI. 66. no. 9.
— *purpureo-fusca* Hook. III. 65. no. 2.
~ *recurvifolia* Zipp. HI. 62. no. I.
— *JliMiphri* Blume III. 64. no. 1.
— var. *longifolia Rh\me\l.M. no. 2.*
— *velutina* Wght. III. 66.
— *vitellina* Blume HI. 66. no. 7.
- Hubcria* DC. "HI. 887.
— *annulata* DC. HI. Add. 882. no. 1.
- fludsonia* Linn. II. 65.
— *tomeniosa* Null. *II. 65. no. 1.

- Uymcnolacis* (Apinagin) III. 436.
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 — *combosus* Torr. et Gr. II. 876. no. 1.
 — *Engelmannianus* Knth. II. 876. JIO. 1.
 — *flovescens* A. Gray IL 876. MO. 2.
Hymcnopus (Licuaia) II. 462. DO. 2.
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Hymenostigma (Vj«usseuxia) III. 610.
Uymenota (Pullcnea) DC. II. 313.
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 — *Wislieeni* A. Gray *II. 878. no. i.
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 — *sanguinea* (J. *glabra* Drdge III. 207. no. 1.
Hyobaneheae Wght. III. 206.
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 — *Physahides* Sweet HI. 153. DO. 2.
 "" — Turcz. III. 153. no. 1.
 "- *picius* Bernbardi III. 168. no. Z
 — *praealtut* Wlprs. III. 153. no. 3.
 — *Syspjrenais* C. Koch HI. 152. DO. 1.
Hyophorbe Grinr. HI. 458.
 — *araaricaulis* Mart. III. 458. DO. 1.
Hyoserideae Lssng. II. 953.
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 — *veuosum* Blume 'II. 606. no. 1.
Hyperboreae (Plalnntbara) HI. 582.
HYPERICIJSEAE DC. II. 184.
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 — *aiomarium* Boi&j. II. 186. DO. 13.
 ~ Bitiynicum Boies. II. 185. no. 9.
 — *Casaum* Boies. II. 185. no. 7.
 "^ *concinnum* But*. II. 186. no. 11.
 ^ *decusaatum* Knze. II. 184. no. 1.
 — *gnidiarfblium* A. Ricfa. II. 187. no. 22.
 "" *Sraveolens* Barkl. II. 188. t
 "" ^ *ynnanibum* Engelm. et Gray IL 188. no. 24.
 ^ *Heldreichii* Boiis. II. 185. no. 6.
 ~* **iermedium* Steud. IL 184. nv^ 2.
 "" *Kolmianum* Linn. II. 188. f
 "" *leucopycbodes* Sleud. II. 1M. n*. 18.
 "" *^crocalycinum* Boise, el Heldr. U. 187. 10. 16.
 ^ *nervBium* Hance U. W8. no. 23
 "eurocalycinum Boisa. et HeJdr. II. 486. DO. 14.
 H ^{Papillar} « Boiss. et Heldr. II. 185. a*. 5.
 ^ *Replidifoiiii* Mi A. Rich. U. 187. no. 17.
 »* *esialozzai*, Boisa. II. 18fi. DO. 12.
 — *amidatum* Ait. II. 188. f
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 — *Roeperianum* Schimper II. 187. no. 19.
 — *Rumeliflceum* Bojw. II. 185. no. 10.
 — *Sarothra* Michx. II. 188. f
 — *Schimperi* Hochst. II. 187. no. 21.
 — *sienobotrys* Boiss. II. 186. no. 15.
 — *Spruneri* Boisa. IL 185. no. 8.
 — *trichocauJon* Boisa. el Heldr. II. 184. no. 4.
 — *uniflorum* Bofeg. et Heldr. II. 184. DO. 3.
llypcrineae (Hypei-icum) U. 1S6, DO. 11.
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 — *trifldum* Prsl. "III. 838. no. 1.
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 — *radicals* Linn. (3. *losiophyUa* C. Koch II. 957. no. 1.
Hypocyria Plum. U. 1074.
 — *glabra* Hook. IL 1074. no. 1.
 — *gracilis* Hook, *Ur* 1071. f
Hypodcmaium A. Rich. «II. 749. et HI. 553. DO. 1. Oha.
 — *Abyssinicum* A. Rich. III. 553. no. 1. Obs.
 — *amplialum* A. Rich. II. 743. no. 2.
 — *sphaerostigma* A. Rich. II. 743. no. 1.
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 — *Adoensis* Hochst. HI. 228. no. 1.
 — *lanatu* Dnlzcll HI. 228. no. 2.
 — *Malaccensis* Wght. HI. 228. no. 8.
Hypolepis sanguined Pers. III. 514. no. 2.
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Hypolytreae N. ab Es. III. 689.
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 — *Nicaraguensu* Liebra. HI. 689. no*. 1.
Hypopitys Dill. II. 1125.
 — *lanuginosa* Mult. 'II. 1125. no. 1.
Hypoporum N. ab Es. IIL-696.
 <— *micrococcum* Liebra. III. 696k no. 4.
 — *purpurnscens* Lieb. HI. 697. no. 2.
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HYPOXIDEAE R¹. Br. HI. 625.
Hypoxis Linn. III. 625.
 — *Abyssiniea* Hochst. 'III. 625. no. 3.
 — *Petiiiiaofl* A. Rich. HI. 625. no. 1.
 — *Schnilzleinia* Hochst. HI. 625. no. 2.
 — *Simensis* Hochsl. IIL 625. no. 3.
 — *viltosa* Lion. 'III. 625. no. 3.
Hypsiandra (Nicotiana) HI. 150. no. 1.
Hyptis Jcq. IIL 244.
 — *vilis* Knib. el Bone he HI. 244. no. 1.

- ^J«sminum ambiguum Blume III. 25. no. 29.
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 — *Sieboldianura* Blume IN. 26. no. 37.
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 P- Kajan ibid.
 5. *mappacea* ijmł.
 Y« *pacliiphylla* ibid.
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