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FOURTH AND - FIFTH
ANNUAL REPORTS,

AND

PROCEEDINGS,

OF

THE Botanical Society.

SESSIONS 1839-40 AND 1840-41.



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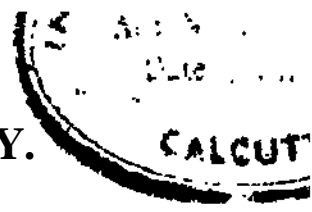
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1840

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	ROBERT JAMES HALE, Esq.	Jamaica.
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June 10.	EDWARD THOMAS ROE, M.D.	.
July 23.	HENRY HOMER, M.D.	.

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12th Nov. 1840).
- RICHARD CHANDLER ALEXANDER, M.D., Chippenham, Wilts.
- RICHARD PARNELL, M.D., F.R.S.E., M.W.S., Jamaica. (Res.
Fellow, till 14th February 1839.)
- ROBERT MAUOHAN, Esq., F.L.S., M.W.S., 23 Edward's Ter-
race, Pentonville, London. (Res. Fellow till 12th Nov.
1840.)
- GILBERT M'NAB, M.D., St Mary's, Jamaica. (Res. Fellow
till 11th January 1838.)

Admitted.

1836.

- Mar. 17. NICHOLAS TYACKE, M.D., Chicheeter. (Res. Fellow till 11th June 1840.)
 GEORGE CHARLES WALLICH, M.D., Calcutta. (Res. Fellow till 8th December 1836.)
 EDWARD CHARLTON, M.D., Hood Street, Newcastle-upon-Tyne. (Res. Fellow till 23d July 1841.)
- April 14. GEORGE ANNE MARTIN, M.D., Ventnor, Isle of Wight.
- May 12. CHARLES CARDALE BABINGTON, Esq., M.A., F.L.S., F.G.S., F.C.P.S., St John's college, Cambridge.
 Rev. THOMAS BLIZARD BELL, Leswalt, Wigtonshire. (Res. Fellow till 23d July 1841.)
 ALEXANDER HUNTER, M.D., F.R.C.S.E., Calcutta. (Res. Fellow till 23d July 1841.)
 RICHARD BLIGH, Esq., Southampton.
 BENJAMIN CLARK, Esq., 57 Brooke Street, Bond Street, London.
 M. EMILE DE FELLEBERG, Hofwyl, near Berne, Switzerland.
 Rev. JOHN STEVENS HENSLOW, M. A., F. L. S., F. G. S., F.C.P.S., Regius Professor of Botany, Cambridge.
 THOMAS BELL SALTER, M.D., F.L.S., Ryde, Isle of Wight. (Res. Fellow till 11th January 1838.)
 THOMAS SHAPTER, M.D., Exeter, Devonshire.
 WILLIAM STANGER, M.D., F.G.S., M.W.S., Wisbeach, Cambridgeshire. (Res. Fellow till 30th July 1840.)
 WILLIAM STIRLING, Esq, Kenmure, near Glasgow. (Res. Fellow till 30th July 1840.)
 JAMES WARD, Esq., Richmond, Yorkshire.
 WILLIAM BENJAMIN CARPENTER, M.D., M.R.C.S.L., Bristol. (Res. Fellow till 13th April 1837.)
 RALPH SHIPPERDSON HOPPER, M.D., Mast Parade, Leeds. (Res. Fellow till 30th July 1840.)
- June 9. Rev. WILLIAM STRONG HORE, M.A., F.L.S., Trafalgar Place, Stoke, Devonport, Devonshire.
 WILLIAM MACDONALD, M.D., F.L.S., F.R.S.E., & F.S. A. Scot., Ballyshear, Campbelton, Argyle & Shire. (Res. Fellow till 11th January 1838.)
 ROBERT DUNDAS THOMSON, M.D., 20 Gower Street, Bedford Square, London.
 SPENCER THOMSON, M.D., Burton-on-Trent, Staffordshire. (Res. Fellow till 13th December 1838.)
 NATHANIEL BAGSHAW WARD, Esq., F.L.S., Wellclose Square, London.
 MATTHEW ALEXANDER EASON WILKINSON, M.D., 57 George Street, Manchester. (Res. Fellow till 9th January 1840.)
 JAMES ALEXANDER FRASER, M.D., Cape of Good Hope. (Res. Fellow till 9th January 1840.)
 NICOL ALEXANDER DALZELL, Esq., M.A., Bombay. (Res. Fellow till 23d July 1841.)

Admitted.

1836.

- July 14. Bev. JOHN EW BANK LEEFE, M.A. Audley End, Essex.
WILLIAM ALLPORT LEIOHTON, Esq., B.A., Shrewsbury, Salop.
JOHN HUTTON POLLEXFEN, M.D., Queen's Coll., Cambridge.
(Bes. Fellow till 30th July 1840.)
- Nov. 10. ROBERT BALL, Esq., M. B. I. A., Sec. Zoological Society,
3 Granby Bow, Dublin.
Bev. GEORGE GORDON, Minister of Birnie, Morayshire.
EDWIN LEES, Esq., F.L.S., Forthampton Cottage, near Tewks-
bury, Gloucestershire.
DANIEL CHAMBERS MACREIOHT, M.D., F.Īfts., London.
MARLOW JOHN FRANCIS SIDNEY, Esq., Mem. Bot. Soc. Lond.,
Cowpen, near Morpcth.
WILLIAM ALEXANDER STABLES, Esq., Cawdor Castle, Nairn-
shire.
WILLIAM THOMPSON, Esq., Vice-President of the Belfast
Nat. Hist. Society, Donegal Square, West, Belfast.
HEWETT COTTRELL WATSON, Esq., F.L.S., Thames-Ditton,
Surrey.
- Dec. 8. THOMAS COULTER, M.D., M.B.I.A., Dublin.
CHARLES PHILLIPS CROKER, M.D., M.B.I.A., President of
the Boyal College of Physicians, Dublin.
SIMON FOOT, Esq., M.R.I.A., and one of the Botanical Com-
mittee of the Boyal Dublin Society, Dublin.
GEORGE STEPHENS GOUOH, Esq., M.B.I.A., Dublin.
Bev. THOMAS DIX HINCKS, LL.D., Corresponding Secretary
of the Belfast Botanical Society.
JAMES TOWNSEND MACKAY, Esq., M.B.I.A., A.L.S., 5 Had-
dington Terrace, Dublin.
NINIAN NIVEN, Esq., late Curator of the Boyal Dublin So-
cietq^frarden, Dublin.
JONATHATOSBORNE, M.D., late President of the Boyal Col-
lege of Physicians, Dublin.
JOSEPH ELLISON PORTLOCK, Esq., Major B.E., F.B.S., and
G.S., M.B.I.A., President of the Geological Society of
Dublin, Belfast.
- Dec. 29. BOBERT JAMES NICHIOLL STREETEN, M.D., Hon. Curator of
the Worcestershire Nat. Hist. Society, Worcester.
- 1837.
- Jan. 12. WILLIAM ALLMAN, M.D., Professor of Botany, Trinity Col-
lege, Dublin.
Bev. HARRY BABER, B.A., Barham, Ipswich, Suffolk.
JONATHAN HAIGII BRANFOOT, M.D., Brentwood, Essex.
(Bes. Fellow till 12th July 1838.)
FREDERICK JOHN FARRE, M.D., F.L.S., Lecturer on Botany
at St Bartholomew's Hospital, 22 Curzon Street, May
Fair, London.
JOHN WILLIAM MUDGE, M.D., H.E.I.C.S., Madras. (Bes.
Fallow till 12th March 1840.)

mitted.

1837.

- Jan. 12. JOHN PERCY, M.D., 56 Newhall Street, Birmingham. (Res. Fellow till 1st October 1840.)
 EDWIN JOHN QUEKETT, Esq., F.L.S., Lecturer on Botany at the London Hospital, and at the Aldersgate Street School, London.
 Rev. CHARLES ABBOT STEVENS, B.A., West Farleigh, Maidstone, Kent.
- Feb. 9. JOHN FORBES BOYLE, M.D., V.P.R.S., Sec. G.S., Professor of Materia Medica, King's College, London.
 ANTHONY MACK, Esq., Ardrossan, Ayrshire. (Res. Fellow till 23d July 1841.)
 FRANCIS ISA WHITE, M.D., F.L.S., Perth. (Res. Fellow till 23d July 1841.)
- *
 March 9. GEORGE JASPER LYON, Esq., 139 West Campbell Street, Glasgow.
 JAMES STUART MENTEATH, Esq., Closeburn, Dumfriesshire.
 GEORGE AUGUSTUS FREDERICK WILKS, M.D., Lecturer on Botany, 19 Hart Street, Bloomsbury, London.
- April 13. HENRY REED MELVILLE, M.D., St Vincent (Res. Fellow, till 8th February 1838.)
- May 11. JAMES SCOTT BOWERBANK, Esq., F.G.S., 19 Critchell Place, London.
 Rev. JAMES HAMILTON, Scotch Church, Regent Square, London. (Res. Fellow till 23d July 1841.)
 ALFRED WHITE, Esq., F.L.S., F.G.S., Cloudcsley Terrace, Islington, London.
- June 8. JOHN BALL, Esq., B.A., M.R.I.A., 85 Stephen's Green, Dublin.
 HENRY BARHAM MITCHELL HARRIS, M.D., Dumfries. (Res. Fellow till 9th January 1840.)
- July 13. JOHN EDWARD GRAY, Esq., F.R.S., F.G.S., F.Z.S., Pros. Bot. Soc. Lond., British Museum, London?
- Nov. 9. CHRISTOPHER EDMUND BROOME, Esq., M.A., Rudloe, near Chippenham, Wilts.
 SAMUEL HOLKER HASLAM, Esq., F.L.S., 4 Grosvenor Place, Bath.
 JOHN SHEER, Esq., Lecturer on Chemistry, Aberdeen.
- Doc. 14. HERBERT JOHN GIRAUD, M.D., Faversham, Kent. (Res. Fellow till 23d July 1841.)
 DAVID GRAHAM, Esq., Sydney, Australia. (Res. Fellow till 9th April 1840.)
 ROBERT HIBBERT TAYLOR, M.D., Liverpool.
- 1838.
- Jan. 11. LE CHEVALIER PIRES D'ALBUQUERQUE, Bahia, Brazil.
 GEORGE LUXFORD, Esq., A.L.S., Ratcliffe Highway, St George's East, London.
- Feb. 8. ROBERT MAULKIN LINGWOOD, Esq., M.A., F.L.S., F.G.S. Sufton Court, Mordiford, Herefordshire.

*Admitted***1838.**

- April 12.** GEORGE EDOAR DENNES, Esq., F.L.S., Sec. Bot. Soc. Lond.,
5 Vine Street, Golden Square, London.
GEORGE DICKIE, Esq., A.L.S., Lecturer on Botany, Aberdeen*
JOHN GEORGE INNES, Esq., Surgeon, Forres.
THOMAS BROWNE, Esq., 33 frjster Street, Hull. (Res. Fellow
till 8th July 1841.)
- May 10.** Hcv. WILLIAM HINCKS, F.L.S., 20 Tonington Sq., London.
- June 14.** ANDREW FLEMING, Esq., A.M., King's College, Aberdeen.
- Nov. 8.** JOSEPH DICKINSON, M.D., 24 Great George Square, Liverpool.
WILLIAM GOURLIE jun. Esq., 8, South Frederick St., Glasgow.
Rev. KENYON HOMFRAY, Moninouth.
GODFREY HOWITT, M.D., Nottingham.
- Dec. 13.** DUN BAR, JAMES, EARL OF SELKIRK, St Mary's Isle, Kirk-
cudbright.
JAMES MACFADYEN, M.D., F.L.S., Kingston, Jamaica.
THOMAS WHITE MANN, Esq., F.L.S., Bowman's Lodge, Upper
Holloway, London.

1839.

- Jan. 10.** JOHN REILLY, Esq., F.G.S., Member of the Royal Galway
Institution, Custom House, Cork.
ARCHIBALD SIBBALD, M.D., Toronto. (Res. Fellow till 23d
July 1841.)
JOHN WYNNE, Esq. of Haslcwood, Sligo, Member of the Geo-
logical Society of Ireland.
- Feb. 14.** ALBERT JOHN HAMBROUGH, Esq., Steephill Castle, Isle of
Wight.
- Mar. 14.** THOMAS JOHNSTON BOWMAN, Esq., Richmond, Yorkshire.
Lieut. WILLIAM MUNRO, H. M. 39th Regiment, Madras.
THOMAS VEITCH, Esq., Exeter, Devonshire.
- April 11.** PHILLIP WHITESIDE MACLAGAN, M.D., Staff-Assistant-Sur-
geonⁿ, Canada. (Res. Fellow till 23d July 1841.)
JOHN REID, M.D., F.R.C.P.E., Professor of Medicine, St
Andrews. (Res. Fellow till 23d July 1841.)
- May 10.** JOHN BUDDLE BLYTH, M.D., M.S.A., Dumfriesshire. (Res.
Fellow till 14th November 1839.)
THOMAS SANSOM, Esq., Mem. Bot. Soc Lond., 2 Cloudcsley
Street, Cloudesley Square, Islington, London.
- June 13.** WILLIAM ARNOLD BROMFIELD, M.D., F.L.S., Ryde, Isle of
Wight
- Nov. 14.** ADAM GERARD, Esq., Mem. Bot. Soc. Lond., 50 Lime Street,
London.
PHILIP WHITTINGTON JACOB, Esq., Surgeon, Rochester.
DAVID MOORE, Esq., A.L.S., Curator of the Royal Botanic
Garden, Glasnevin, Dublin.
JAMES PAUL, M.D., Kingston, Jamaica.
- Dec. 12.** ROBERT ELLIOT, Esq., Whickham, by Gateshead, Durham.
JOSHUA R. HARVEY, M.D., Patrick's Place, Cork.

Admitted

1840.

- Jan. 9. Lieut. JAMES CAMPBELL, 50th Regiment N. I., Madras.
ROBERT WIGHT, M.D., F.L.S., Madras.
- Mar. 12. HENRY BIDWELL, Esq., Surgeon, Wellington, Salop.
JAMES BUCKMAN, Esq., Surgeon, Cheltenham.
JOHN JUST, Esq., Grgrtmar School, Bury, ^Lancashire.
- April 9. Rev. JOHN WILLIAM REEVES, B.A., Orchard St, Chichester.
- June 11. ISAAC BROWN, Esq., Hitchin, Herts.
THOMAS GO UGH, Esq., Surgeon, Kendal, Westmoreland.
- July 30. JOSEPH ABBOTT, M.D., Thornwaitho Hall, near Pcnrith
Westmoreland.
EDWARD WIITIS BENSON, Esq., Birmingham White-Lead
Works, Birmingham Heath.
- Nov. 12. Jonx WIIIELEY GOUGH GUTCH, Esq. M.R.C.S.L., C9 Great
Portland Street, London.
The Hon. WILLIAM HENRY HARVEY, Colonial Treasurer
Capo of Good Hopes
THOMAS BRUGES FLOWER, Esq., F.L.S., King's College, Lon-
don.
WILLIAM GROVES PERRY, Esq., Curator of the Warwickshire
Museum, Warwick.
SAMUEL SIMPSON, Esq., Quoen Square, Lancaster.
- Dec, 10. EDWARD NEWMAN, Esq.,F.L.S. 45 Wellclose Square, London.
JOHN RILEY, Esq., Pnpplowick, Nottinghamshire.
JOHN SCOTT, Esq., Greenock.
PATRICK MAXWELL STEWART, Esq., F.G.S., Camock, Stir-
lingshire.

1841.

- Jan. 14. FREDERICK GLENDONWYN SCOTT, Esq., Terulnm Road, St
Albans, Hertfordshire.
- Feb. 11. ALI:XAMH:R GLI:N, Esq., Demerara.
HonuRT STEELE, Esq.. Grecknock.
- Mar. 11. JOHN DENNISTOUN, Esq., Grecknock.
ROBERT KERR, Esq.. Grecknock.
GOODWIN RICHARD PURCELL O'LEARY, M.D., A.B., Paxis.
ROBERT ROXBURGH, Esq., Grecknock.
< li:or.Gi: SCHIATCILEY, Esq., M.D., A.B., Paris.
JOSHUA SOTCLIFFE. Esq., F.L.S., Carl ton Place, Halifax,
Yorkshire.
- Mar. 25. The Hon. ROGER ROLLO, Wellington Square, Ayr.
HENRY CADOGAN ROTHERY, Esq., B.A., 10 Stratford Place,
London.
JOHN TATHAM jun., Esq., Settle, Yorkshire.
- April 8. The REV. PHILIP SOMERVILLE, H.M.S. Edinburgh.
- May 13. WILLIAM HENRY ASHLEY, M.D., Brighton.
RALPH CLAYTON HESLOP, Esq., Withnell, near Chorley, Lan-
cashire.
EDWIN LANKESTER, M.D., 43 Hart Street, Bloomsbury Sq.,
Ibn on.

Muxittd

1841.

- May 13. DAVID H. SCOTT, ED., M.B.C.S., &c, Cove.
 June 10. The Bey. WILLIAM HIGGINS COLEMAN, M.A., Christ's Hos-
 pital, Hertford.
 ARTHUR FORBES, Esq. of Culloden.
 JOHN FORBES, M.D., Cullodsp.
 WILLIAM WILLIAMSON NEWBOÜLD, Esq., Trinity College,
 Cambridge.
 July 8. Lieutenant ROBERT MACLAGAN, Bengal Engineers.
 CHARLES EYRE PARKER, Esq., The Rectory, Kingshall, near
 Needham Market, Suffolk.
 July 23. HENRY GRAVES BULL, M.D., Pitsford, Northampton.
 ALEXANDER GRAY, Esq., Trinifpd. (157)
-

IV. LIFE MEMBERS.

1836.

- Dec. 8. Mrs KANE, 23 Lower Gloucester Street, Dublin.

1837.

- May 11. Mrs MICHAEL PERCIVAL, Edinburgh.

1838.

- Mar. 8. The Honourable LOUISA ANNE NEVILLE, Audley End, Essex.

1839.

- Mar. 14. Mrs SCRYMSOURE FOTHRINGHAM, Fotheringham House, For-
 farshire.

- June 13. Miss ANNA MARIA PLOWDEN, Sawston, near Cambridge.

- Nov. 14. Lady KEITH MURRAY, Ochtertyre, Perthshire.

Mrs WHITE, London.

1840.

- July 30. Miss ELIZABETH HARVEY, The Oaks, near Deal, Kent.

- Nov. 12. The Most Honourable The MARCHIONESS of HASTINGS, Lou-
 don Castle, Kilmarnock.

1841.

- May 13. The Most Honourable The MARCHIONESS CORN WALL IS, 12
 Park Crescent, Regent's Park, London.

(10)

V. FOREIGN MEMBERS.

1837.

- Feb. 9. P. J. BROWN, Esq., Eichenbuhl, near Thun, Switzerland.

M. GUTHNICK, Berne, Switzerland.

CHARLES FREDERICK MEISNER, M.D., Professor of Botany*

Basle, Switzerland.

- Nor. 9. 8. BISCHOFF, Berne, Switzerland.

GEORGE DOLLINER, Vienna.

F. GLOCKER, Berne, Switzerland.

OSWALD HEFH. M.P., Professor of Bolany, Zurich, Switzer-
 land.

Admitted

1837.

- Nov. 9. ALBERT KOLLIKER, Zurich, Switzerland.
 FRANÇOIS LAGGER, M.D., Fribourg, Switzerland.
 Rev. CHRISTIAN MUNCH, Basle, Switzerland.
 CHARLES NAEGELI, Kilchberg, Zurich, Switzerland.
 PHILIP MAXIMILIAN OPITZ, Prague, Bohemia.
 L. RABENHORST, Lutkau, Prussia.
 J. L. SCHALLER, Fribourg, Switzerland.
 C. SINZ, Zurich, Switzerland.
 JOHN BERNH. WILBRAND, Professor of Botany, Giessen, Germany.

1838.

- Mar. 8. A. FISCHER, Basle, Switzerland
 • Rev. Louis LERESCHE, St Cierge, sur Moudon, Switzerland.
 OTTO WILH. SONDER, Hamburg.
 M. LUHLER, Württemberg, Germany.
- Apr. 12. ADAMS JEWETT, Mobile, United States.
- June 14. H. JEWETT, M.D., Dayton, Ohio, United States.
 LEVI FLETCHER, Mobile, Alabama, United States.
 C. T. BEILSCHMIED, M.D., Ohlau, near Bräslau, Silesia.
 AUGUST AEMIL KELLERMAN, late of Dresden.
- July 12. GAVIN WATSON, M.D., Philadelphia, United States.
- Nov. 8. CH. MORREN, Member of the Royal Academy of Brussels, and
 Professor of Botany, Liege, Belgium.
- Dec. 13. FR. ANT. W. MIQUEL, M.D., Professor of Natural History,
 Rotterdam.

1839.

- Jan. 10. C. B. LEHMANN, Berlin.
- Apr. II. CH. H. GODET, General Inspector of Education, Neuchâtel,
 Switzerland.
 Rev. F. C. REHSTEINER, Teuifen, Appenzell, near St Gall,
 Switzerland.
 FERDINAND RUGEL, of Württemberg, travelling for Botanical
 purposes in the United States.
 JOHANN KARL SCHMIDT, M.D., Berne, Switzerland.
- May 10. N. C. SERINGE, Professor of Botany, Lyons, France.

1840.

- Mar. 12. JOHN RUDOLPH ROTH, Ph. and M.D., Munich, Bavaria.
- April 13. FRIEDRICH TRAUGOTT KUTZING, M.D., Professor of Nat. Hist.
 Nordhausen.
 F. GRAF VON BERCHTOLD, Prague.
 FRANZ XAVER FIEBER, Prague.
 A. C. J. CORDA, Prague.
- July 30. GIUSEPPE MENEGHINI, M.D., Professor of Botany in the Uni-
 versity of Padua.
- Nov. 12. The Rev. LUDOVIG EMANUEL SCHIKRER, Belp, Switzerland.
- Dec. 10. THEODOR HELM, M.D., Vienna.
- 1841.
- Jan. 14. LUDWIG RITTER VON HEUHLER, Innsbruck, Germany.

Admitted

1841.

- Feb. 11. Dr JOHANN FRIEDRICH KLOTZSCH, Curator of the Royal Herbarium, Schoeneberg, near Berlin.
- June 10. JUSTUS LIEBIG, Ph. D., Professor of Chemistry, Giessen.
- July 8. FRANCIS SEYMOUR HADEN, Esq., Grenoble, Isere, France.
- July 23. The Hon. U. D. F. BACH, Demerara.
HUGH FALCONER, M.D., Director of the Botanic Garden, Saharunpoor.
EDWARD TUCKERMAN jun., Esq., LL.B., Boston, United States.
Professor J. P. VAUCHER, Geneva. (50)

VI. ASSOCIATES.

1836.

- Nov. 10. Mr JAMES CRUICKSHANK, Dumfries.

1838.

- Nov. 8. Rev. ANDREW RUTHERFORD, Kingussie, Inverness-shire.
Mr WILLIAM GARDINER junior, 40 Overgate, Dundee:
- Dec. 13. Mr ALEXANDER CROALL, Mem. of Montrose Nat. Hist, and Antiq. Societies, Hillside, by Montrose.

1839.

- Jan. 10. Mr ARCHIBALD GORRIE, Annnt Cottage, Perthshire.
- Nov. 14. Mr DAVID TENNANT, Denino, Fifeshire.
- 1840.
- Mar. 12. Mr WILLIAM PAMPLIN junior, A.L.S., 9 Queen Street, Soho Square, London.
- May 14. Mr WILLIAM JACKSON junior, Dundee.
- Dec. 10. Mr ANDREW KERK, 38 Murray Street. Montrose.
Mr WILLIAM MCALLA, Roundstone, Cunnamara.

1841.

- Jan. 14. Mr WILLIAM EVANS, gardener, Cal. Hort. Soc. Garden, Edin.
- Feb. 11. Mr ROBERT BOYLE, Dumfries.
Mr PETER GRAY, Dumfries. (13)

PUBLIC BODIES AND SOCIETIES WITH WHICH THE BOTANICAL SOCIETY IS IN CORRESPONDENCE.

- The Highland and Agricultural Society of Scotland.
The Board of Ordnance, Belfast.
The University of Cambridge.
The Royal College of Physicians. Edinburgh.
The Matcria Medica Herbarium in the University of Edinburgh.
The University and King's College of Aberdeen.
Trinity College, Dublin.
The Botanical Society of London.
The Scientific Society of London. (9)

Members are requested to intimate to the Secretary any change or omission in their designations which have occurred in the preceding List.*

FOURTH AND FIFTH ANNUAL REPORTS,

PREPARED BY THE COMMITTEE OF MANAGEMENT.



THE Committee of Management have much pleasure in reporting that the Society continues to make rapid progress, both as regards the number of new Members added to its list, the Papers and Communications read, and the specimens of British and Foreign plants received. They have every reason to hope that the Society has been instrumental in promoting the cause of Botany in Britain, and they trust that recent arrangements which have been entered into, for the publication of papers, will tend still more to increase the usefulness of the Society, and advance the interests of Botanical science.

It will be observed that the present Report differs materially in one respect from any of those which have been formerly presented to the Society, namely, in that part which refers to the Proceedings of the Society. In former years, it was thought proper to include in the Report, abstracts of all the more valuable papers that were read at the meetings, and to prefix to them the President's Annual Report on the progress of Botany in Britain ; but during last year, it was suggested to the Council that it would be advisable to publish those papers which appeared of the greatest value in full, and in a separate form, so as to secure for them that attention which it was believed they deserved, and to combine with them, in a distinct publication, the President's Report. This has now been done by the commence-

ment of the publication of a series of papers under the title of "*Transactions of the Society*;" and the Committee may be allowed to express their opinion, that the new plan has so far been eminently successful, since it has enabled the Society to present to its members and the public, a series of papers such as would do credit to any scientific society.

In order that this publication might not press too heavily upon the funds of the Society, it was determined that all those members who might be desirous of possessing the Transactions, should pay five shillings annually towards the expense of printing. It was also considered, that, as an early publication of papers is often desirable, the *sheets* of the Transactions should be sent by post, as soon as they were printed, to all the members who should have paid the five shillings, and expressed a wish to have them forwarded in such a manner. In addition to the papers that are printed in full, the Council have thought proper to give, under a single heading, abstracts of such other papers as appeared to them to be of permanent scientific interest, and to leave for the "*Proceedings*"* only a short account of the other communications that have been made at the meetings, together with extracts from such papers of local or temporary interest as were not included in the Transactions.

The first part of the Transactions is now ready for delivery, in a collective form, price five shillings, to such of the members as have not already received the separate sheets; and the second part is in an advanced state of preparation. The first Part of the Transactions contains the following papers:

1. Dr Greville's report on the Progress and State of Botany in Britain.
2. Mr Babington on British *AtripUces*. Illustrated by two plates.
3. Dr Graham's Botanical Excursions in 1839.
4. Dr Giraud on a Monstrosity of *Antirrhinum majus*.
5. Mr Babington on the genus *Fumaria*. With woodcuts.

6. Mr Brand on the Arrangement of Natural History Collections.

7. Dr Paterson on a new Fossil Vegetable. With a plate. Besides extracts from the minute-book, containing communications from Mr Shuttleworth, Mr Trevelyan, Dr Clarke, Dr Giraud, Mr P. J. Brown, and others.

The second Part will contain the following papers :—

1. Dr Greville on the British Oaks. With two plates.
2. Dr Macaulay on the Botany of Madeira.
3. Mr Forbes on the genus *Viola*.
4. Mr Babington on *Hypericum quadrangulum*.
5. Mr Watson on the Geographical Distribution of Ferns.
6. Mr Dickie on the genus *Marchantia*. With a plate.
7. Rev. J. E. Leefe on *Salix caprea*. With a plate.
8. Dr Taylor on new *Jungermannice*. With a plate.

Besides extracts from the minute-book, including communications from the Rev. T. B. Bell, Dr Kelaart, Mr Babington, Mr Just, Mr James M'Nab, and Dr Douglas Maclagan.

These Parts refer to the Sessions, 1839-40, and 1840-41. The third Part is intended to contain papers read during the ensuing session of 1841-42.

A list of subscribers for the Transactions will be found in the Appendix.

At the date of the last annual report the number of members amounted to TWO HUNDRED AND SIXTY-FIVE. At present it amounts to THREE HUNDRED AND SEVENTY-THREE, viz.

British Honorary Members.....	5
Foreign Honorary Members.....	24
Resident Fellows.....	114
Non-Resident Fellows.....	157
Life Members.....	10
Foreign Members.....	50
Associates.....	13

Number of Members at 1st October 1841, 373

Specimens have been distributed to the following Mem-

bers and others, contributors to the Society's Herbarium, in the order of priority exhibited below, ascertained in terms of Bye-law fifth; National Institutions, Universities, and Chartered Societies, forming Herbaria, being entitled to take precedence of the Members.

- | | |
|--|---------------------------|
| The Highland and Agricultural Society of Scotland. | BOY. W. Hindu.' |
| The Matcria Medica Herbarium in the University of Edinburgh. | Dr II. F. C. Cleghorn. |
| Tho University of Cambridge. | Dr Gavin Watson. |
| The Royal College of Physicians, Edinburgh. | Dr J. Dickinson. |
| <i>b</i> The University and King's College of Aberdeen. | Mr W. Gourlie jun. , |
| Mr Enianuel Young. | Mr J. S. Morricson. |
| Mr R. M. Lingwood. | Dr A. Sibbald. |
| Hon. Miss Noville. | Mr T. W. Mann. |
| Rev. L. Lereschc. | 40 Mr W. Gardiner jun. |
| 10 Mr O. \V. Sonder. | Mr J. Cruickshank. |
| Mr George Dickie. | Mr A. Croall. |
| Botanical Society of London. | Dr Roth. |
| Professor Graham. | Dr Walter Scott. |
| Professor Balfour. | 45 Mr R. J. Shuttleworth. |
| 15 Mr R. Maughan. | Mr W. A. Leighton. |
| Mr David Steuart. | Dr D. Mac lagan. |
| Mr William Brand. | Mr R. Ball. |
| Mr Edward Forbes. | Dr Macreight. |
| Mr J. M'Nab. | 50 Mr M. J. F. Sidney. |
| 20 Dr G. M'Nab. | Mr W. A Stables. |
| Mr W. H. Campbell. | Mr H. C. Watson. |
| Dr Walker-Arnott | Mr Simon Foot. |
| Dr R. C. Alexander. | Rev. II. Baber. |
| Mr A. H. Balfour. | 55 Dr F. Farre. |
| 25 Dr G. A Martin. | Rev. C. A. Stevens. |
| Rev. T. B. Bell. | Dr Veronge. |
| Dr T. B. Salter. | Dr F. I. White. |
| Mr C. C. Babington. | Mr P. J. Brown. |
| Mr James Ward. | 60 Professor Meisner. |
| 30 Dr W. B. Carpenter. | Mr G. J. Lyon. |
| Rev. W. S. Hore. | Dr II. B. M. Harris. |
| | Mr J. Ball. |
| | Mr C. E. Broomo. |
| | 65 Rev. C. Munch. |
| | Mr J. T. Syme. |

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|--|---|
| Professor Tenore,
Chevalier Gussone,
Dr Greville. | Mr W. C. Xrovcliai.
Mr W. Lindsay-Carnegie.
Ers Fothringham. |
| 70 Dr Atldn.
Dr J. A. Fraser.
Dr H. J. Giraud.
Dr W. H. Lowe.
Dr Samuël Lewis. | 90 Miss Plowden.
Dr Logger.
M. Opitz.
M. L. Rabenhorst.
Professor Seringe. |
| 75 Mr Andrew Balfour.
Mr George Seton.
Dr P. W. Maclagan.
Bcj. J. E. Leefe.
Mr S. H. Haslam. | 95 Mr Archibald Gorrie.
Dr W. B. Clarke.
Mr P. W. Jacob.
Professor Kutzing.
Mr William Jackson jun. |
| 80 Mr G. £. Dennes.
Mr J. G. Innes.
Dr Spencer Thomson.
Mr A. J. Hambrough.
Mr T. J. Bowman. | 100 Miss Harvey.
Mr Samuel Simpson.
Mr John Tatham jun.
Mr Thomas Edmonston.
Mr W. G. Perry. |
| 85 Mr Sansom.
Dr W. A. Bromfield. | 105 Mr Andrew Fleming.
Lady Keith Murray. |

At the annual distribution for 1841, one-third of the Members from the top of the list will, in terms of the Laws, be placed at the foot of it, and rise by rotation.

The following circular, issued by the Council at the close of last year's distribution, will explain the cause of the delay which took place in the despatch of the annual parcels.

" UNIVERSITY, EDINBURGH,

" *Ut January 1841.*

" The Distribution of the Botanical Society's Duplicates for 1840 having been completed, all the parcels of plants will be despatched about the middle of this month. Local Secretaries are requested to forward, as soon as possible, any parcels which may be sent to their care. The parcels for Members in London and the south of England, as well as those for Foreign Members, will be forwarded to the Society's agent in London, Mr William Pamplin jun., 9 Queen Street[^] Soho Square.

" The difficulty experienced by the Society in supplying the place of Assistant-Curator, has been the chief cause of the delay in this

year's distribution. The Curator has been assisted, however, in his duties this year by a Committee of the Society, who have spent much time in examining all the specimens sent in; and from the care which has been bestowed in the selection of specimens, it is hoped that the parcels will be found superior to tho^s*) of any former distribution.

" As a large proportion of the plants were rejected by the Committee as totally unfit to be distributed, the Society takes this opportunity of impressing upon Members the propriety of paying greater attention to the drying of specimens, as well as to the preservation of the botanical characters of the plants; and for useful hints on this subject, they are referred to Dr Greville's paper published in the Third Annual Report of the Society's Proceedings.*

" The Curator is now engaged in preparations for the distribution of 1841; and while Members are expected to send in their annual contributions of specimens by the 1st of March, it is at the same time requested that they will transmit them as long before that date as possible, in order to facilitate the Curator's labour.

" The Society has to announce, that, in addition to the foreign plants usually contributed by their continental correspondents, they expect this year to be able to distribute duplicates of plants collected in North America by Dr Gavin Watson; in the East Indies by Dr Wight and Lieutenant J. Campbell; and at the Cape of Good Hope by the Hon. W. H. Harvey.

" As the second edition of the Society's Catalogue of British Plants is not yet ready for circulation, Members are requested to employ the first edition for their desiderata lists this season, with such additions as they may think proper to make.† It is of essential importance that Members should employ *alphabeticallists* for marking their desiderata."

A list of contributors to the Herbarium, will, as usual, be found at the end of the Proceedings. To all of them, the thanks of the Society are gratefully returned.

Amongst the Members who have contributed largely to the Society's Herbarium and Museum, the following may be

* Separate copies of this paper may be had from the booksellers,

† The second edition is now published, and may be had at the Society's publishers.

particularly noticed:—Dr Gavin Watson, Dr Wight, Lieutenant Campbell, Mr W. H. Campbell, Dr Neill, the Hon. W. H. Harvey, Dr Christian, Dr Parnell, Mr Samuel Simpson, Professor Henslow, Mr N. B. Ward, Mr Trevelyan, Dr Roth, Le Chevalier Gussone, and*Mr Brown.

The Committee cannot omit this opportunity of noticing the valuable donation of Mosses and *Heplicce*, presented by Messrs Gourlie and Lyon of Glasgow. In this collection are included the whole British species belonging to these orders, with the exception of four.

Among the specimens new to the British Flora which have[^]been lately received may be mentioned,—

Bunium Bulbocastanum Linn. Cambridge and Hertford shires.

Echinosperrum Lappxda, Schult. Southwold, Suffolk.

The Society's Library has been much increased of late, and it consists now of upwards of 500 volumes. The Committee must especially notice a donation of 57 volumes of Natural History works from the Plinian Society, and one from the late Mr William Christy jun., of 25 volumes of botanical works, being the remainder of his library which, a short time before his death, he had desired might be added to his former donations.

Several manuscript Catalogues, indicating the plants of particular districts, have been received.

1. Catalogue of Plants found in the Shetland Islands*
By Mr Thomas Edmonston jun.

2. List of Plants found in the Isle of Wight. By Dr Bromfield.

3. Catalogue of Plants found in the neighbourhood of Burton-on-Trent, Staffordshire. By Dr Spencer Thomson.

4. List of Plants found in the vicinity of Scarborough, Yorkshire. By Mr Henry Crawford.

* This list has been published in the Annals and Magazine of Natural History, vol. vii. p. 287-

5. Catalogue of Plants found near West Farleigh, Kent.
By the Rev. C. A. Stevens.

6. Catalogue of Plants within sixteen miles of Monmouth.
By the Rev. Kenyon Homfray.

7. Catalogue of Plants growing near Kirkby-Lonsdale,
Yorkshire. By Mr John Just.

The Society have just published a second edition of their Catalogue of British Flowering Plants and Ferns, in which an endeavour has been made to bring the nomenclature of British plants into conformity with that which is employed in the best continental floras. The length of time and labour required to enable the Committee engaged in its preparation to consult the original authorities, and critically examine the reasons for the several alterations, will account for the delay that has taken place in its appearance. The Committee confidently believe that this Catalogue will be found by far the most perfect that has yet appeared.

The forms of Catalogue which have been devised for the Society's collections, as explained in the last annual report, will, it is hoped, be fully matured by the end of this year, after which, sets of them, adapted either for public or private herbaria, along with directions for their use, and relative skeleton maps, &c, may be obtained at a moderate price, on application to the Secretary or Treasurer. Even if these forms should not be employed in the arrangement of other collections, the information supplied by them, and the rules which they suggest, render it desirable that Botanists, especially those communicating with the Society, should possess at least *one* set of them.

The Committee would again call the attention of Members to the fact that the Society is anxious to form collections of fruits, flowers, &c, preserved in a moist state, as well as of fossil plants, woods, and seeds. Several valuable donations of the above description have already been received,

but much still requires to be done before any thing like a systematic arrangement can be attempted.

The Council has now secured the co-operation of Local Secretaries in various parts of the world, and from their exertions, it is confidently expected that the usefulness of the Society will be much extended.

The Committee regret that, in consequence of the departure of Mr W. H. Campbell for Demerara, the Society has been deprived of the services of one who has contributed in no small degree to its prosperity, and whose place it will be no easy matter to supply. Mr Campbell has been appointed one of the Local Secretaries for Demerara. All communications may, in the mean time, be addressed to the Corresponding Secretary or the Treasurer.

It is the painful duty of the Committee to record the death of the following seven members, since the date of the last report:—

His Majesty Frederick William III. King of Prussia, a Foreign Honorary Member of the Society, and a highly distinguished patron of botanical science.

The Right Hon. Lady Jane Lindsay-Carnegie.

Mr Daniel Ellis, one of the vice-presidents of the Society, and distinguished for his able works on Vegetable Physiology.

Mr W. Scott of Teviot-Bank, one of the Council, who had been most useful in promoting the interests of the Society, as regards the University Herbarium.

Dr Robert Harkness, and

Dr Crossfield, who died of fever caught in the discharge of their professional duties.

Mr R. Schartow of Berne.

PROCEEDINGS

OF

THE BOTANICAL SOCIETY.

PROCEEDINGS OF THE BOTANICAL SOCIETY.

SESSION 1839-40.

Thursday, November 14.1839.

DR GREVILLE, Vice-President, in the Chair.

Read, a letter from the Marquess of Normanby, stating that the Society's diploma had been laid before the Queen, and that the same had been very graciously received by Her Majesty.

Read, a letter from Baron Werther, Prussian Chargé d'Affaires, enclosing a communication from the King of Prussia, in which His Majesty was graciously pleased to acknowledge the receipt of the Society's diploma, transmitted on the occasion of His Majesty's election as an Honorary Member.

Dr STANGER presented a valuable collection of plants, which he had recently brought from Australia.

Read, a letter from Mr HENRY CHRISTY of London (dated 2d November 1839) transmitting to the Society twenty-five volumes of botanical works, being the last portion of the library of his brother, the late William Christy jun., which, a short time before his death, he desired might be added to his former donations. The thanks of the Society were directed to be sent to Mr HENRY CHRISTY for the above valuable donation.

COMMUNICATIONS.

1. Account of Botanical Excursions made from Edinburgh in the Autumn of 1839. By Dr GRAHAM. (See Trans. Bot. Soc, vol. i. part 1.)

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2. Mr FORBES read notices of natural history excursions in the neighbourhood of Trieste, in which he gave a sketch of the vegetation of the Triestine territory, a country exceedingly rich in rare and curious plants. The excursions described were four; 1st, The immediate neighbourhood of the town; 2d, The Salt Marshes of Zaule and the neighbouring hills of Istria; 3d, The Monte Spaccato, and the wood of Lipizza on the singular calcareous plain of the Karst; and, 4th, Contobello on the sea-coast. The vegetation of the Karst, one of the most remarkable places in Europe, so barren that it has been described as a landscape painted with ashes and chalk, is especially interesting to the botanist. Many plants are found there which occur nowhere else, such as *Medicago karstiensis*, *Centaurea adonidifolia*, &c. &c. There also are found many beautiful species of *Lithum*, *Limodorum*, *Hieracium*, and *Berinea*.*—(See Annals of Natural History, vol. iii. p. 236\)

3. Dr GREVILLE laid on the table a series of specimens of *Quercus robur*, exhibiting an extraordinary range of form.—(See Transactions, vol. i. part 2.)

Thursday, December 12. 1839*

PROFESSOR GRAHAM, President, in the Chair.

COMMUNICATIONS.

1. Mr HERBERT QIRAUD read some observations on a metamorphosed variety of *Antirrhinum majus*.—(See Trans. Bot. Soc. vol. i. part. 1.)

2. Dr GREVILLE read a letter from Mr R. J. Shuttleworth of Berne, containing some interesting botanical observations on *Diatomacete*.—(See Trans. Bot. Soc. vol. i. part 1.)

3. Mr W. G. TREVELYAN exhibited a series of varieties of *Scolopendrium vufyare*, collected near Arbroath.—(See Trans. Bot. Soc. vol. i. part 1.)

Thursday, January 9. 1840.

PROFESSOR GRAHAM, Vice-President, in the Chair.

Read, a letter from Professor Henslow, dated 30th October 1839, accompanying a large parcel of specimens for the Society, and stating his intention of annually transmitting all his duplicates for distribution, on the ground that the Society's correspondence was much more extensive than that which he could now conduct. He wished to be favoured with a parcel from the Society as usual, but that the "Cambridge Botanical Museum" should be substituted in place of his name at the annual distributions.

Dr Graham was requested to thank Professor Henslow, and to say that his proposal would be most willingly acceded to.

The following Committees were appointed :—

MUSEUM AND LIBRARY COMMITTEE—David Steuart, Esq., Professor Graham, Rev. T. B. Bell, Professor Traill, Professor Christison, William Brand, Esq. Dr J. H. Balfour, Edward Forbes, Esq., Dr Atkin.—Dr Balfour, Convener.

FINANCE COMMITTEE.—Dr Neill, Daniel Ellis, Esq., David Falconar, Esq., Holmes Ivory, Esq., W. H. Lowe, Esq., H. Giraud, Esq.—Dr Neill, Convener.

The Treasurer read his annual Report on the state of the Society's funds, shewing the income and expenditure of the Society for the year ending 31st December last. Ordered that the Report be remitted to the Finance Committee for their examination and final adjustment.

A Collection of about 200 Specimens of Seeds was presented by Mr W. C. Trevelyan.

Read, letter from M. de GERSDORFF, Minister Resident of H. M. the King of Saxony, dated 19th November 1889, acknowledging the diploma and copy of the Society's proceedings forwarded to the King of Saxony.

COMMUNICATIONS,

1. On some rare and interesting British and Foreign specimens in the University Herbarium. By Mr Kellerman.

2. On the advantages of systematic arrangement in the formation of natural history collections. By Mr BRAND.—(See Trans. Bot. Soc. vol. i. part 1.)

3. On the recent doctrines of vegetable embryology, with a refutation of the views of Dr Schleiden. By Dr. GIRAUD.—(See Annals Nat. Hist. vol. v. p. 225.)

Thursday, February 13. 1840.

DR GREVILLE, President in the Chair.

Ordered that a second edition of 500 copies of the First Annual Report be printed.

The President read the following address to the Queen, as Patron of the Society, on the occasion of Her Majesty's Marriage:—

TO THE QUEEN'S MOST EXCELLENT MAJESTY.

May it please your Majesty,

We, the President and Fellows of the Botanical Society, grateful for the patronage which your Majesty has extended to us, beg leave to approach the Throne with the wannest sentiments of loyalty and attachment.

We desire to offer our sincere and heartfelt congratulations on the auspicious event of your Majesty's Marriage. We earnestly pray that, under the blessing of God, both your Majesty and your Royal Consort may enjoy uninterrupted prosperity; that the happiness of domestic life, so characteristic of our national habits, may sweeten the cares which surround your high station, and that, seeking the

welfare of a free, loyal, and united people, your Majesty may long be spared to fill the throne of your illustrious ancestors.

In name and by authority of the Botanical Society,

(Signed) ROBERT KAYE GREVILLE, *President*

ROYAL INSTITUTION, EDINBURGH,

13th February 1840.

The address was unanimously adopted, and directed to be forwarded to WILLIAM GIBSON-CRAIG, Esq. M.P., with a request that he would cause it to be presented through the proper channel.

COMMUNICATIONS.

1. On the best method of preserving specimens of plants and fruits, with their proper colours, in a fresh state, by Mr THOMAS GEORGE TILLEY.

2. On *Scrophularia aquatica* of Linneus and Ehrhart. By Mr CHARLES ABBOT STEVENS, West Farleigh, Kent.—(See Trans. Bot. Soc. vol. i. part 1 ; Ann. Nat. His. vol. v. p. 1.)

3. Mr BABINGTON of Cambridge presented a specimen of *Echinosperrnum Lappula*; and stated that it was discovered by his friend, the Rev. E. A. HOLMES, F.L.S., at Southwold, in Suffolk, in August last.

4. On the British Species of *Fumaria* by Mr C. C. Babington, Cambridge.—(See Trans. Bot. Soc. vol. i. part 1.)

5. Mr KELLERMAN exhibited some specimens of potatoes, illustrating a remarkable mode of reproduction.

6. Notice by Dr STARK of the occurrence of tubers or small potatoes, formed above ground in the axillae of the leaves and branches which he had observed in several fields of potatoes in the upper Ward of Lanarkshire.

Thursday, March 12. 1840.

DR GREVILLE, President, in the Chair.

Dr BALFOUR reported, on behalf of the Finance Committee, that they had examined the Treasurer's accounts to 31st December last, and found the same to be correct. He farther reported, that the

total receipts of the Society for last year had amounted to L.256 11s. 8d.; and the expenditure to L.175 : 18 : 11. That the Society's annual income arising from the contributions of Resident Fellows, at the above date, was L.115, 10s. And that the accumulated funds, including arrears, but without reckoning the value of Reports, Catalogues, &c. on hand, amounted to L.240.

The Report was approved of.

COMMUNICATIONS.

1. The PRESIDENT read an account of an undescribed fossil vegetable, from the coal-formation, communicated by Dr ROBERT PATTERSON, Leith.—(See Trans. Bot. Soc, vol. i. part 1.)

2. Mr TREVELYAN exhibited a variety of *Pyrethrum inodorum*, found on the beach near Portsmouth, having, in place of the florets, pedunculated branches of lanceolate membranaceous scales.

3. Mr JAMES M'NAB communicated some extracts from a journal kept by him during an excursion in England, in the autumn of 1839.

Thursday, April 9. 1840.

DR GREVILLE, President, in the Chair.

RESOLVED, That the billet for next Meeting should be sent by post to Members of the Society not resident in Edinburgh, along with a circular stating that billets would be sent regularly in future to all who should subscribe eighteenpence annually to meet the expense of postage, &c.

Specimens were presented from The Hon. W. H. HARVEY, Rev. W. ELLIOT, and Mr W. C. TREVELYAN.

The donation from Mr Harvey was stated to consist of about 9000 specimens from the Cape of Good Hope, that from the Rev. Mr Elliot of about 1000 specimens from the same locality, and that from Mr Trevelyan of a large quantity of valuable duplicates from the Faroe Isles. The special thanks of the Society were directed to be given to these gentlemen.

The following letter from the Marquess of NORMANBY was read.

WHITEHALL, *March* 10.1840.

SIR,—I have had the honour to lay before the Queen the loyal and dutiful address of the President and Fellows of the Botanical Society of Edinburgh, on the occasion of Her Majesty's nuptials.

And I have to inform you that Her Majesty received this address very graciously.

I have the honour to be, Sir, your most obedient Servant,
NORMANBY.

W. GIBSON-CRAIG Jun., Esq. M. P.
29 DAVIES STREET.

COMMUNICATIONS.

1. Report on the Progress and State of Botany in Britain, from March 1839 to February 1840, both inclusive, by Dr Greville, President. (See Trans. Bot. Soc, vol. i. part 1.)

2. Dr W. BARNARD CLARKE read some "Remarks upon certain properties existing in *Tilia europcea*"—(See Trans. Bot. Soc., vol. i. parti.)

Thursday, May 14.1840.

DR J. H. BALFOUR, in the Chair.

A letter from the private Secretary of His Royal Highness Prince Albert was read, stating that the Prince would have much pleasure in seeing his name enrolled amongst the Honorary Members of the Botanical Society.

His Royal Highness was accordingly elected by acclamation an Honorary Member of the Society.

COMMUNICATIONS.

1. Dr GIRAUD read a paper "On the conclusions which may be drawn from the doctrines of Morphology, regarding the nature of phanerogamic reproduction."

2. On the genus *Ulex*. By Mr C. C. BABINGTON, Cambridge. The paper contained descriptions of *Ulex europaus*, *strictus*, *nanus*, and *auMtraliS*) accompanied by figures.—(See Annals of Nat. Hist., vol. v. p. 300.)

3. Observations on *Gentiana^a amarella* and *germanica*, and *Pyrola media*. By Mr P. J. BROWN of Thun.—(See Trans. Bot. Soc. vol. i. part 1.)

Thursday, May 21.1840.

At a meeting of the Committee of Management of the Society, DR GREITILLE, President, in the Chair. Dr Balfour read—

A letter from Mr Charles C. Babington, recommending to the consideration of the Council a plan for the publication of the Society's Proceedings in a separate form from the Annual Reports and Lists, so as to admit of papers being printed as speedily as possible after being read, and sent in sheets or half-sheets by post to those Members only who should subscribe a small sum annually to assist in defraying the additional expense.

The Council having maturely considered the proposal of Mr Babington, and being satisfied that the expense of printing the Proceedings in their present form, and distributing them gratuitously to members, is greater than the Society can with propriety afford, it was unanimously resolved that they should recommend the Society to Adopt the plan proposed by Mr Babington, with such modifications and alterations as might be deemed advisable. With a view to ascertain the feelings of Members on the subject, Dr Balfour was requested to prepare a circular, stating the nature of the proposed arrangement, and suggesting that a subscription of 5s. per annum should in the taean time be required, until it could be ascertained more correctly what expense was likely to result from the mode of publication contemplated.

Thursday, June 11. 1840.

PROFESSOR GRAHAM, Vice-President, in the Chair.

COMMUNICATIONS.

1. Monograph of the British *Atripliceae*, by Charles C. Babington, M. A. Cantab. (See Transactions, vol. i. part 1.)
2. Notice of the occurrence of some rare cryptogamic plants on the Sidlaw Hills, by Mr Wm. GARDINER, Jun., Dundee.—(See Transactions, vol. i. part 1.)
3. Letter from Mr W. C. TREVELYAN, containing some remarks on the vegetation observed in the neighbourhood of Brodick, in Arran.
4. Letter from Mr W. A. LEIGHTON, Shrewsbury, mentioning the discovery of *Ballota ruderalis*, Fries, and *Tragopogon minor*, Fries, in Shropshire.
5. Dr GRAHAM exhibited the following rare plants in flower, accompanied by remarks on several of the species.
 - (1.) *Janipha Loefflingii*, var. *multifida*, Grab.
 - (2.) *Grevillea planifolia*, Cun. nov. sp.
 - (3.) *Oxalis Mandioccana*, Radi.
 - (4.) *Stylidium recurvum*, Grah. nov. sp.
 - (5.) ————*Brownianum*? Benth/
 - (6.) *Pimelea nana*, Grah. nov. sp.
 - (7.) *Manglesia glabrata*, Lindl. Published by Dr Graham in Ed. New Phil. Journal for July 1839, as *Anadenia Manglesii*.
 - (8.) *Anadenia pulchella*? R. Br.
 - (9.) *Orthosiphon incurvus*, Benth.
 - (10.) *Isomeris californicus*, Nutt.
 - (11.) *Solanum fragrans*, Hook.
 - (12.) *Pothosp.*? allied to *pentaphylla*, but with many more leaflets, and larger spadix.

Thursday, July 30. 1840.

PROFESSOR GRAHAM, Vice-President, in the Chair.

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Dr BALFOUR having stated that a large number of Members had intimated their intention of becoming subscribers for the Society's Transactions, it was agreed that the publication of them should be immediately commenced, according to the plan which had been submitted to the Members.

COMMUNICATIONS.

1. Dr GRAHAM read a notice of an excursion along a portion of the Ochil Hills, on the 18th of July last.—(See Transactions, vol. i. part 1.)

2. Dr GRAHAM exhibited some nondescript, rare, or otherwise interesting plants, from the Botanic Garden. Amongst these were:—

- (1.) *Rodriguesia secunda*, in singularly fine condition.
- (2.) *Hardwickia purpurea*.
- (3.) *Dendrobium*, sp.
- (4.) *Zygopetalum maxillare*, in very fine condition.
- (5.) *Curcuma Roscoeana*.
- (6.) *Griffinia hyacinthina*.
- (7.) *Sinningia Halleri*.
- (8.) ———guttata.
- (9*) *Cassinia aurea*.
- (10.) *Lobelia pallida*.
- (11.) *Acacia thegonocarpa*.
- (12.) *Burtonia conferta*, in fine condition, and of remarkably large size.
- (13.) *Diplopeltis Hugelii*.
- (14.) *Aristolochia* sp.
- (15.) *Miltonia spectabilis*.
- (16.) *Polygala aurea*.
- (17*) *Begonia macrophylla*.
- (18.) ——— parvifolia.
- (19.) *Epidendrum macrochilum*.
- (20.) *Helichrysum niveum*.

3. On the existence of nitrogen in plants, considered with reference to their development, and to their serving as food for animals. By Dr GIRAUD.—(See Transactions, vol. i. part 1.)

4. Letter from Mr WM. GOURLIE, Jun., containing a short notice of a recent excursion in Ireland, during which he had obtained specimens of several rare cryptogamic plants, collected in company with Dr Taylor of Dunkerron, amongst which were, *Hookeria splachnoides*, *Trichomanes brevisetum* (from a new station), *Anictangium Horns* ckuchianum*, *Hypnum demissum*, &c. Mr Gourlie also transmitted living plants of *Pinyuicula grandijlora*, and *Hygrophyla irrigua* (Taylor in Linn. Trans.), which were exhibited to the Meeting. The latter was described as "A most singular Marchantious plant, hitherto only found in Ireland. It grows at Turk Waterfall on rocks dripping with water continually."

5. Mr BRAND mentioned that Mr Sheer of Aberdeen had found *Elatine hexandra* in a new locality in that neighbourhood.

6. Mr BRAND laid before the Society an unfinished proof of one of the Maps in the course of being lithographed, for natural history purposes, under the grant from the British Association.

7. Dr BALFOUR stated that he had recently found *EquUetum Drummondii* on the Banks of the Esk, below Auchindenny Bridge, within eight miles of Edinburgh.

Tuesday, August 25. 1840.

At a meeting of the Committee of Management of the Society, Professor Graham, Vice-President, in the Chair, it was resolved that 500 copies of the Society's Transactions should be printed, and that the President, Professor Graham, Dr Neill, Dr Balfour, and Mr Campbell, should constitute a Committee, with full powers to superintend the publication. Dr Balfour to be Convener.

PROCEEDINGS OF THE BOTANICAL SOCIETY.

SESSION 1840-41.

Thursday, November 12. 1840.

DR GREVILLE, President, in the Chair.

A very valuable and exceedingly elegant volume, the joint production of Messrs George Jasper Lyon and William Gourlie jun., of Glasgow, both Fellows of the Society, was presented by these gentlemen. The volume contains specimens of the whole of the British Mosses and Hepaticæ, with the exception of four, viz., *J. cuneifolia*, Hook.; *Marckantia Icevis*, Hook.; *Funaria hibernica*, Hook., and *Riccia tpuria*, Dicks.; of which *two* or *three* rest on the most doubtful authority, or do not exist as natives of Britain. The donors, in the compilation of the volume, were assisted by several of the most distinguished of our Cryptogamic Botanists, amongst whom Dr Greville, Sir William Jackson Hooker, Dr Taylor, Dr Walker Arnott, and others were particularly noticed. The President, in directing that the special thanks of the Society should be given to Messrs Lyon and Gourlie, remarked that the volume was the most unique and taautiful of the kind he had ever seen.

COMMUNICATIONS.

1* Notice by Mr ROBERT BALL, of Dublin, of a singular deposition of a white substance, resembling snow, in one of his fern-houses, and the origin of which, he thought, might be traced to an *Agaricus* which appeared to have been shedding its seed. He also noticed the peculiar mode of hybernation of *Pinguicula grandijlora*.

2. Mr EDWARD FORBES exhibited a beautiful species of *Mucor*, which had been sent for that purpose by Dr Turner. It had grown on the remains of some oatmeal porridge, left; for several months in a damp cellar. The filaments resembled black silky-looking hair, between three and four inches long, many of them being elegantly tipped with bright yellow *kecce*. The President was requested to examine and figure a portion of it, in case it should turn out to be an undescribed species. It was stated, however, that a portion of a fungus, exactly similar, supposed to be *P/tycomyces splendid*, grown from a common poultice, had lately been transmitted in a dry state to the Society.

Dr NEILL likewise mentioned, that many years ago he had seen a fungus, having the same hairy appearance, although, as far as he remembered, destitute of the bright black spots which existed on the present one. His friend, Mr Robert Chambers, and himself, had both preserved specimens of the fungus at the time. It was grown in the bottom of a small cask which had contained pitch, and over the pitch a thin layer of tallow.

3. Remarks on the Flora of Kirkby-Lonsdale, Westmoreland, with a Catalogue of the Plants found in that neighbourhood. By Mr JOHN JUST of Bury, Lancashire.

4. Account of an excursion to the Clova Mountains in August last; with a notice of some rare plants lately observed in Scotland. By PROFESSOR GRAHAM. In this paper allusion was made to the almost total failure, in particular years, of certain plants, such as *Juncua castaneus*, in localities where, in other seasons, they are usually found in abundance. From that fact, and from the circumstance of the visits to these mountains being of comparatively rare occurrence, and almost always about the same period of the year, it was agreed that not only many of the late Mr Don's discoveries may yet be verified, but that many new species are likely to reward the investigations of future botanists in that most interesting district. Dr Graham also mentioned that the rare *Cynosurus echinatus*, hitherto supposed to be confined almost entirely to the south of England, had been found by Mr Thomas Edmonston jun., on a barren moor in one of the Shetland Islands.

5. Dr BALFOUR exhibited specimens of *Convolvulus Sotdanolla*, found by Mr Croall near Montrose, being the first time that it had

been noticed as a native of that part of the east coast of Scotland; also a specimen of *Myriophyllum alterniflorum*, from the Braid Hills, being an addition to the flora around Edinburgh.

6. Notice of some rare plants observed in Devonshire in July and August last, with a list of seventy-three mosses collected. By Mr N. B. WARD, London.

Wednesday, December 2. 1840.

At a Meeting of the Committee of Management, Dr GRAHAM, Vice-President, in the Chair, it was resolved, That the President's Annual Report should, in future, embrace an account of the progress of Botany in Britain, from the 1st January to 31st December of each year.

Thursday, December 10. 1840.

DR GREVILLE, President, in the Chair.

The PRESIDENT read the following address to Her Majesty, on the occasion of the birth of the Princess Royal:—

TO THE QUEEN'S MOST EXCELLENT MAJESTY.

May it please your Majesty,

We, your Majesty's loyal and dutiful subjects, the President and Fellows of the Botanical Society, respectfully offer to your Majesty and your illustrious Consort, our heartfelt congratulations on the auspicious event of the birth of an heir to the British throne.

We earnestly hope and pray that your Majesty may be speedily restored to health; and that it may please the Almighty Sovereign of the Universe to render the infant Princess a blessing, not only to her Royal Parents, but to the loyal and grateful people of these realms.

In name and by authority of the Botanical Society,

(Signed) ROBERT KAYE GREVILLE, *President.*

The Address was unanimously adopted, and directed to be transmitted through the proper channel.

The following gentlemen were elected Foreign Honorary Members :—

1. ANTONIO BERTOLONI, M.D., Professor of Botany, Bologna.
2. KARL LUDOVIC BLUME, M.D., Leyden.
3. GUSTAV KUNZE, M.D., Professor of Botany, and Director of the Botanic Garden, Leipzig.
4. GEORG WAHLENBERG, M.D., Professor of Botany, Upsal.

COMMUNICATIONS.

1. Sketch of an excursion to the Clova Mountains in July and August last, giving an account chiefly of the Cryptogamic plants of that district. By Mr WILLIAM GARDINER jun., Dundee.

2. Notice of two dwarf varieties or states of *Juncua btifoniusj* found on the sands of Barrie, near Montrose. By Mr WILLIAM GARDINER jun., Dundee.

3. Mr BRAND exhibited a specimen of *Pyroh uniflora*, discovered by the Rev. T. Blizzard Bell, in a new station (thirty miles from the spot where it is found at the Knock of Alves), in the parish of Mortlach, Banffshire.

4. Notice of the Cypresses in the gardens of Generalife, near the Alhambra, with remarks on the gardening of the Spanish Arabs. By Dr JAMES MACAULAY. In an article "On the Antiquity of Trees," which the author had lately met with, it was stated, among other remarkable instances of longevity, that, "in 1766, there existed in the garden of the palace of Granada in Spain, two cypresses that were celebrated even in the times of the Moorish kings." Having this summer been in the garden referred to, that of Generalife, near the Alhambra, he thought that it might be interesting to the Society to know, that these trees are still in existence, and that they yet present some vigour and freshness of aspect. Their immense size and venerable appearance at once denote a great antiquity. They are called "the cypresses of the Sultana/" from an ancient tale relating to the queen of the Abu Abdillah, or Boabdil, the last Moorish prince of Granada. The incident is connected with the history of the Abencerrages, and with other romantic events of the last days of the

Moslem empire in Europe; and the reference to it in many an old Spanish ballad and traditionary tale, gives a dash of historic interest to the trees, which, in such a classic scene, will be more regarded by the traveller than the mere physiological fact of their great antiquity.

5. Remarks on *Aspidium spinulosum* and *Aspidium rigidum*. By Mr J. RILEY, Papplewick, Nottinghamshire. This paper was illustrated by specimens from the herbaria of Dr Greville and Dr Balfour, intended to shew the perfect identity of *Aspidium riyidum*, from several English localities, with various continental specimens of the same plant.

6. Notice regarding the specific characters of *Asplenium Rutamuraria* and *altemifolium*. By the Rev. T. BLIZARD BELL.—(See Transactions, vol. i. part 2.)

7. Observations on *Jungermannice* found in the neighbourhood of Dumfries. By Mr JAMES CRUICKSHANK, Associate. Specimens of these were presented.

8. Notice of the discovery of *Phascum Flörkeanum*, Schwseg., a Moss new to Britain, at Cleadon, on the coast of Durham. Communicated in a letter to the Secretary, by Mr T. J. BOWMAN, Richmond. In a subsequent letter, Mr Bowman mentioned that this moss had been again found by his brother, Mr R. B. Bowman, plentifully in the vale of Ravens worth, near Newcastle.

Thursday, January 14. 1841.

Dr GREVILLE, Vice-President, in the Chair.

A valuable Collection of East India Plants was presented from Dr Wight, Madras. The special thanks of the Society were voted.

COMMUNICATIONS.

1. Mr CAMPBELL exhibited some specimens of Ferns, sent by Mr R. BALL of Dublin, to shew the incrustation or deposition of a white substance, resembling mildew, on the fronds, which had been noticed at a former meeting of the Society. It was mentioned by Mr Bull, in the letter accompanying the specimen, that the deposition

had invariably taken place on the *upper* side of every frond, appearing only on the lower surface of it when from accident it happened to be inverted.

2. On the native dyes of the Shetland Islands. By Mr THOMAS EDMONSTON jun., Balta Sound, Communicated by Professor GRAHAM.—(See Transactions, vol. i. part 2.)

3. Observations on the cultivation, &c. of the *Cinnamomum zeylanicum*. By Dr E. F. KELAART.—(See Transactions, vol i. part 2.)

Thursday, February 11. 1841.

PROFESSOR GRAHAM, Vice-President, in the Chair.

RESOLVED, That such Local Secretaries as are not members of the Society should be proposed as Associates.

The following Committees were appointed:—

Museum and Library Committee.—Professor Graham, Dr Grcville, Professor Traill, Dr J. H. Balfour, W. C. Trevdyan, Esq.—Dr BALFOUR, Convener.

Finance Committee.—David Falconar, Esq., Dr Neil], Holmes Ivory, Esq.—Mr IVORY, Convener.

Several valuable donations to the Museum and Library were presented, amongst which were especially noticed:—

1. A Donation from the late Plinian Society, comprising about sixty volumes of works on Natural History from their Library, and upwards of 1000 species of plants from their Herbarium.

The following letter accompanied the donation:—

EDINBURGH, 10th February, 1841.

SIB,—At a recent meeting of the Plinian Society, a resolution was passed to the effect that the Society should be dissolved, and that the Library and Museum should be disposed of, in such a way as to promote, as far as possible, the original object of the Institution.

As members of a committee appointed to carry this resolution

into effect, we accordingly hereby transmit to the Botanical Society, the Herbarium of the late Plinian Society, and the Books, a list of which accompanies this letter.

We are, Sir, your obedient servants,

J. H. BALFOUR, M.D.
DOUGLAS MACLAGAN, M.D.
HUBERT SPITTAL, M.D.

To the SECRETARY of the
BOTANICAL SOCIETY of EDINBURGH. •

The special thanks of the Society were voted for the above valuable donation.

2. From Dr NEILL, an extensive and valuable collection of specimens, being the chief portion of his Herbarium, and containing between 3000 and 4000 species, a large proportion of which were West Indian and tropical plants, collected by the late Dr Wright of Jamaica. There were also numerous contributions from various parts of Europe, Asia, and Africa, many of them the donations of distinguished botanists.

3. From Professor CHRISTISON, a large and most valuable collection of seeds and fruits, chiefly used in medicine and the arts, and rarely to be met with in this country.

The special thanks of the Society were directed to be given to the various donors.

COMMUNICATIONS.

1. On the Vegetation and Botany of the Island of Madeira. By Mr JAMES MACAULAY.—(See Transactions, vol. i. part 2.)

2. Observations on some specimens of Woods from Barbados. By Mr ALLKYNH MAYNAHD. The specimens of the woods referred to were presented to the Society, along with some West Indian fruits.

* Notice of the discovery of the Cones of *Pinna Murchisonii* Jucq. in peat-bogs in Ireland. By Mr G. C. BABINGTON, Cambridge.—(See Transactions, vol. i. part 2.)

Professor GRAY alluded to the lamented death of DANIEL ELLIS, Esq., by which a vacancy in the office of the Society had taken place; and which, considering the great talents and worth of that gentleman, it would be difficult to fill up.

Thursday, March 11. 1841.

Dr GUEYILLE, Vice-President, in the Chair.

Professor CHRISTISON was elected Vice-President, in the room of the late Mr Ellis; and Mr KELAART was chosen a Member of Council.

COMMUNICATIONS.

1. On the specific value of the Antherine Appendages of the genus *Viola*. By Mr EDWARD FORBES.—(See Transactions, vol. i. part 2.)

2. On the botanical characters of the British Oaks. By Dr GREVILLE.—(See Transactions, vol. i. part 2.)

3. A communication from Mr GEORGE GARDNER was read, contained in a letter to Dr Balfour, dated Rio de Janeiro, 3d December 1840, giving an account of his recent collections in South America.

4. A notice of *Lccanora rubra*, found near Richmond, Yorkshire, by Mr JAMES WARD, was read, and specimens in fruit were presented.

Thursday, March 25. 1841.

Dr JAMES MACAULAY, Foreign Secretary, in the Chair.

Mr IVORY reported, on behalf of the Finance Committee, that they had examined the Treasurer's accounts to 31st December last, and found the same correct. He further reported, that the total receipts of the Society for last year had amounted to L.2:57, Is. 3d. ; and the expenditure to L.2-to, 12s. That the accumulated funds, including arrears, but without reckoning the value of Reports, Catalogues, &c. on hand, amounted to L.2(i).

COMMUNICATIONS.

1. Notice by Mr ISAAC BROWN, Hitchin, Herts, of the discovery of *Carum BulbocastanHw*, Koch, by the Reverend W. H. COLEMAN, between Dunstable and Barton, and by Mr WILLIAM DAWSON, in the neighbourhood of Baldock.

2. Notes on *Pfn/itotpermum cornubit'nse*, and an account of its discovery near Tavistock, in Devonshire, by the Rev. W. S. HORE, Stoke, Devonport. Mr Hnre, in collecting this plant at Bodmin, in

Cornwall, its original and only known English locality, observed, that it was chiefly in oak coppices that it seemed to be found. In August last, he noticed a single specimen in a hedge-row between New-bridge and Tavistock, and being induced to enter a neighbouring oak coppice in search of it, he there found it in considerable abundance. The root, he observes, fits it admirably to contend with the brambles and brushwood amongst which it grows.

3. Notice of a curious variety of *Scolopendrhinn ru/gore*, found near Arbroath, by Mr W. C. TWEVKLYAN. Specimens were presented having the midrib prolonged in a remarkable manner nearly an inch beyond the termination of the frond.

4. An attempt to ascertain the true *Ilypvricum qmnhantjulum* of Linnaeus, by Mr CHARLES C. BAKINGTON, Cambridge. (See Transactions, vol. i. part 2.)

5. On the Geographical Distribution of British Ferns, by Mr HEWETT COTTRELL WATSON, Thames Ditton. (See Transactions, vol. i. part 2.)

Thursday, April 8. 1841.

Du GREVILLE, Vice-President, in the Chair.

COMMUNICATIONS.

1. Notice of a variety of *Pajmrcr 11/tna.s*, found near Edinburgh, by Dr J. H. BALFOUK. A specimen was exhibited, having peduncles with appressed and patent hairs on the same plant, showing of how little importance those characters are in determining the species in this genus.

2. Remarks on the Structure and Morphology of *Marchatitia*, by Mr GEOIKSK DICKIK, Lecturer on Botany, Aberdeen. (See Transactions, vol. i. part 2.)

3. Notice of the disappearance of plants from particular localities, by Mr JOHN JUST, Bury, Lancashire. (See Transactions, vol. i. part 2.)

4. On sonic anomalous methods of cultivating plants in hot-houses, by Mr JAMKS M<NAB. (See Gardener's ChroniHo for 11th August 1841.)

5. On the Timber Trees of Ceylon, by Mr K. F. KHAHT. Thr

economical uses of nearly fifty species of timber trees found in Ceylon were mentioned by Mr Kelaart, and specimens of most of their woods were exhibited. Many of these were especially remarkable for their closeness of grain and beauty, and were stated to afford excellent materials for furniture, and for building houses, ships, &c. As yet comparatively few of these woods are imported into Europe.

Thursday, May 13. 1841.

PROFESSOR GRAHAM, Vice-President, in the Chair.

COMMUNICATIONS.

1. Remarks on some curious metamorphoses of the pistil of *Salix caprea*. By the Rev. J. E. LEEFE, Audley End, Essex. (See Transactions, vol. i. part 2.)

2. Note on *Primula vulgaris*, by Mr CHARLES C. BABINGTON, St John's College, Cambridge. Mr Babington stated that Mr Mayes, a highly intelligent nurseryman and botanist of Bristol, had obtained, on sowing the seeds of one of his finest Polyanthuses, at the same time, Cowslips, Primroses, Oxlips, Polyanthuses of different kinds, the variety called Hose-in-hose, &c. &c, being another experiment confirmatory of the results obtained by Dr Herbert and Professor Henslow. Some discussion ensued on this point, when several members stated their belief that the varieties arising from *Primula vulgaris* and *P. elatior* of British authors, may be correctly referred to one species, but that the *P. ocris* is a distinct and well marked species, never seen to amalgamate with, or pass into the others. It was supposed that an incorrect knowledge of this latter plant, which is excessively abundant in the neighbourhood of Edinburgh, but rare in some parts of England, may have led English botanists into error regarding it.

3. Dr GRAHAM exhibited the following plants in flower, from the Royal Botanic Garden, &c. 1. *Pimelea spectabilis*, L/W/., a recent importation from Swan River Settlement, New Holland, having the largest capitula of any of the species in cultivation, obtained through the often experienced kindness of Mr Low of Clapton.—2. *Pimelea*——probably an undescribed species, but not yet examined, HR it had only just come into flower at the Botanic Garden, and the very

reverse of the last in point of beauty. Its flowers are white, and of trifling size.—3. *Lachncea purpurea*, an old plant in cultivation, but rarely seen in so fine a condition as in the flowering specimen exhibited.—4. *Lasiopetalum macrophyllum*, a large-leaved handsome species, easily distinguished from every other hitherto described, of which a figure is soon to appear in the Botanical Magazine. It was raised from seeds transmitted in 1835, by the late Mr Richard Cunningham.—5, *Stylidium Drummondii*, by much the largest flowered species in cultivation. The name was given by Dr Graham in compliment to Mr Prummond, who had sent the seeds from Swan River to Mr Low, and he had published last month a description and figure of it in Maund's Botanist.—6. *Stylidium wcurvum*, a new species introduced from Swan River by Mr Low, and named by Dr G. in allusion to the recurved form of the longer subulate leaves. It is remarkable for its salmon-coloured flowers.—7- *Kulmia hirsuta*, an old plant in cultivation, but very rarely seen in the fine and healthy state of the flowering specimen exhibited.—8. *Marianthus cwruleo-punctatus*, a new species of this remarkable Pittosporaceous genus, raised by Mr Low from seed, communicated by Mr William Morison of the Swan River Settlement, and marked *SoJ/j/a* or *Billardiera*, sp. nov., from the Darling range of Mountains. Dr Graham had first seen the plant in flower at Mr Cunningham's nursery, Comely Bank, and subsequently at the Botanic Garden. A figure of this also will soon appear in the Botanical Magazine.—9. *Ligustnun yrandiflorum*, in fine flower, from the greenhouse of the Botanic Garden. It had been introduced from Japan by Dr Siebold.—10. *Chorozemu spectabile*. This new and handsome species, approaching to, but still very distinguishable from *C. ocatum*, flowered in the Nursery Garden of Messrs J. Dickson and Sons, having been raised from seeds sent from New Holland, but it was not known from what district.

4. Mr WILLIAM GOUHLIK junior, of Glasgow, communicated, in a letter to the Secretary, the discovery of the rare and interesting moss, *Buxbaumin aphyli*, in a new locality on the Campsie Hills, by Mi-George J. Lyon of Glasgow. He found 43 specimens, supposed to be the* largest number ever before seen in one place. Mr Gourlie stated that Dr Wade having found *one* specimen on Purple Mountain, Killarney, appears to have been the discoverer of this moss in Great Britain, and that Sir William Hooker first detected it in England.

5. Note on the growth of *Hoya carnom*, a leaf and footstalk of which had been suspended on a raphis in a fern-house. By Mr ROBERT BALL, Dublin.

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Thursday, June 10. 1841.

PROFESSOR GRAHAM, Vice-President, in the Chair.

COMMUNICATIONS.

1. Description of *Jungermannia ulicina*, Taylor, and of *J lingersmannia Lyoni*, Taylor. By Dr TAYLOR, Dunkerron. (See Transactions, vol. i. part 2.)
2. Dr Graham exhibited the following plants from the Royal Botanic Garden.—1. *Eclteeria jndvendentia*.—2. *Lythrum riolaceum*. This new species approached to *L. afutum*, but is of more slender habit; the flowers are smaller, and of a different colour. It is especially distinguished from it, and other allied species, by having twelve stamens, of which six are shorter than the others, but all bearing perfect anthers. It is a native of Mexico.—3. *Cirshim mexicanum*. This plant possesses no beauty, but seems a very distinct species, and is new to the garden.—4. *Portlandia daphnoides*. This species seems to grow very slowly, at least the specimen exhibited is scarcely larger than when imported from Cuba in 1838. It preserves all the characters by which Dr Graham described it as a new species in the Edinburgh New Philosophical Journal last year, and particularly that desirable one of flowering freely. Its first blossoms were expanded last August, and already it exhibits a new crop.—5. *Gloxinia rvhm*. A handsome species, whose colour contrasts remarkably with the other in cultivation.—6. *Oxolis hit ifolia*. The specimen exhibited was one of several imported from Cuba, perfectly similar to each other, and differing from the description of *O. latifdia* only in having about three times the number of flowers on the scape, a circumstance which may be supposed to arise from cultivation.—7. *Arethusa bulbo* & x in several varieties of colour, imported from Halifax.—8. *Caltistachys Uncarts*. This plant, though recently introduced from Swan River, has become pretty common in cultivation, seeds having been sent home both by Mr Backhouse and Mr Prununond. The appoaranco

of its blossoms has much disappointed the expectations which its reputed scarlet flowers had excited.—JJ. *Myosotis sylvatica*, *Jtore alio*. This very handsome variety was Introduced into the Botanic Garden from Dalhousie woods, where it was found wild, by Miss Georgina Hay, and has propagated itself very freely by seed ever since, without in any one instance acquiring a coloured blossom—a circumstance which, with many similar instances, shews that the propagation of a particular condition by seed, docs not entitle that condition to rank as a specific character. The plant in its form, in all other respects, is characteristic of *M. sylvatica*, but certainly flowers during its first year's growth ; and the many specimens in the garden give some reason to doubt its being more than annual—10. *Anygozantus coccliea*. The blossoms of this plant were less intense in their colour than they had been a few days before, but still were very handsome. Besides those plants some other varieties were exhibited, but which had not been examined with sufficient care to determine whether they were to be considered new. Among these was an exceedingly handsome plant received from Woburn Abbey, under the erroneous name *Stachys coccinca*, than which it is much more beautiful. Also a species of true *Siphocampylus* and a *Hasmanthus*, very near to */. inultijlorus*.

3. Remarks on the British Ferns. By Mr JOHN RILEY, l'applewick, near Nottingham, lie differed from Mr Newman in maintaining that *Aspidium aculeatum*, *augidarc*, *lobatum*, and *Lonc/ütis*, were distinct species, and never run into each other. *Aapidium dumetorum*, he was satisfied, was only a variety of *A. dihtntum*, and *Axplenium im'guum*, a variety of *A. Jilix-fosmina*. *Cisiopteris alpinuy angu&tata*, *dentata*, and *fragilis*^ lie was satisfied, were distinct species, having gathered them and grown them for many years.

4. Notice of the discovery of *Cephalanthem euxifolia*, in Dalmahoy Woods, near Edinburgh. By l)r J. H. BALFOUR.

5. Notice of a Botanical Excursion at Navarino. By Mr EDWAKD FOKITES.

On the 28th of April, after a delightful voyage of six days, the weather beautiful and the sea calm, the Beacon entered the bay of Navarino, whither we resorted for water, that article being so scarce at present at Malta, that ships are not allowed to water there. The bay of Navarino is a semicircle about three miles across at the mouth, the greater part <f which is closed in by tho rooky inland of Spha^trria,

in which Lord Byron has laid the scene of his Corsair. Near the southern extremity are the town and fort of Navarino—the former a small collection of dirty Greek houses; the northern termination is a high rock on which are the ruins of the ancient Pylus. The southern half of the bay is bounded by high cliffs of limestone and tertiary clays; the northern by a low sandy shore bordering an extensive marsh. In the distance are hills of considerable elevation, the sides of which seem to be covered with forests. A bare and rocky hill rises to the height of 1000 feet immediately behind the town. On landing, the first plant which strikes the eye of the visitor is the *Chrysanthemum coronarium* the common basket flower of our gardens, which here exhibits its yellow blossoms in great profusion on every heap of rubbish. Ascending from the town to the heights, the blue flowers of *Psora lea bituminosa* first greeted us, and it was pleasant to look upon the abundance of green myrtle bushes. Thickly covering the limestone, and giving a brown hue to the vegetation, were bushes of various species of *Cistus*, with beautiful white or red flowers, and on the ground beneath them were their relations the *Helianthemum* in great numbers. Some pretty species of *Erhium*, *Linum hirsutum*, *Anemone coronaria*, and some pretty bell-flowers, were among the gayest of the lesser plants; and in grassy places there was a rich contrast between the bright red flowers of *Tetragonolobus siuqtiosus* and the as bright blue ones of *Anagallis Monelli*, a variety of our common *Anagallis*. It is singular that the two plants I have just mentioned should so habitually change colours as we advance southwards; for the former in the north is almost always yellow, and the latter most frequently red. In the crevices of the rocks were little tufts of *Vallanlia muralis*, and a pretty species of *Atplenium*. A little white-flowered *Alii ion* was very abundant everywhere, and *Cerintho mpera* was common. Among the most conspicuous bushes were *Phlomis fruticosa* and *Pistachio Lentiscus*, whilst in many places the ground was thickly covered with *Saloia officinalis* and *Poterium spinosum*, the last a curious plant which I had not seen before, and which is very abundant here. Besides these were numerous thistles, some *Ranunculi*, and a few orchideous plants which were new to me, though possibly common species in the south. A visit to the marsh yielded nothing remarkable, nor did the sandy shore display many plants peculiar to itself; but the short time our Iiivinstances permitted me to remain on

that side of the bay was not sufficient for making any observations. Among the sands I noticed quantities of *Polygonum maritimum*. An excursion to the rocky island of Sphacteria did not yield many additional species. We found it covered with bushes of *Cistus*, *Spartium*, *Pistachio*., *Phlomis*, and *Poterium*. *Matthiola ivcana* grew near the margin of the sea, with some *Statice*s not in flower, and a yellow-flowered plant of which I do not as yet know the name. Among the grasses *Lagurus ovatus* and *Aegilops* were conspicuous. *Plantago Injopus* and *Psyllium* were not uncommon, and we noticed that *Plantago Coronopus* was always very broad-leaved, so much so, as at first sight to appear a different species. *Malcolmia maritima* and *Koniga maritima* were both very abundant, and *Secum Cepaea* filled with its fleshy branches the crevices of the rocks. Generally speaking, the characteristic and prevalent plants around Navarino, those which gave a tone (if I may say so) to the vegetation, were *Cist its* and *Phlomis*. With the exception of the tertiary banks, which were limited in extent, they prevailed everywhere. Mi-Thompson did not forget to look for *Alga* but found them almost all species which are common in the south of England. Among the most abundant and prettiest was the *Padina pavonia*, which, studing the bottom of the rocky pools, had a very elegant appearance beneath the water. The dredge brought up, however, some more characteristic Mediterranean species. In a few fathoms water *Z<M-tern* is extremely abundant here.

Since the above was written, we have left Navarino, and after another voyage of seven days arrived at Syra. Hitherto I have only made one short excursion into the island. The vegetation is apparently very different from that of the Morea. The shore is clothed with *Mesembryanthemitm* and some beautiful species of *Statice*. Inland the country is well cultivated, chiefly for vines ; there are scarcely any trees, a few crabs, and one or two olives being the only trees I have as yet seen. I hope in the course of the summer to transmit more satisfactory botanical notices to the Society, and as the ship is to visit some of the less known islands before going to Candia, I expect to forward some interesting results.

6. Dr PKRCV presented a specimen of the fruit of *Plyttelephas*, or Tagua plant of South America, known by the name of Vegetable Ivory. The fruit resembles much that of Palms, but the plant is placed by Brown in the order *Panduræ*.

Thursday, July 8. 1841.

DR GREVILLE, Vice-President, in the Chair.

COMMUNICATIONS.

1. Notice of the Chemical constitution of the fruit of a species of *Phylelephas*, commonly called Vegetable Ivory. By Dr DOUGLAS MACXAGAN.—(See Transactions, vol. i. part 2.)

2. Notice of some rare Plants, chiefly Cryptogamic, found on the Sands of Barrie and elsewhere, in May and June 1841. By Mr William Gardiner jun., Dundee. Specimens of most of the plants referred to by Mr Gardiner in this communication were presented to the Society. Amongst these were *Didymodon inclinatus*, *Weissia nigrita*, *Didymodon purpureus*, *Bryum trichodes*, *Tortula rigida*, *Equisetum variegatum*, *Carex incurva*, *Viola flavicornis*, &c. from the sands of Barrie. There were also *Buxbaumia aphyta* from the Sidlaw Hills, *Parmelia physodes* from Baldovan Woods, near Dundee, *Trientalis europæa*, and eight varieties of *Viola lutea*.

3. Notice of rare or nondescript plants, chiefly from the Royal Botanic Garden. By Professor Graham.—1. *Cirrhaea trisjii*—2. *Gongora maculata*.—3. *Gongora atro-purpurea*.—4. *Gongora atro-purpurea*, variety.—These four plants were all in very fine condition and in full flower. The first was exhibited to shew the relationship to the second genus, and the three forms of the latter to prove the difficulty of drawing specific distinctions, and to render more probable the opinion which Dr G. had often expressed to the Society, that there is but one very varying species in cultivation.—5. *Oncidium pufoinatum*, a fine specimen in full flower from the stove of Dr Neill, Canonmills—6. *Strobilanthes sessilis*, raised from seed sent many years ago from Bombay to the Botanic Garden by Dr Lush. This species is described by Nees von Esenbeck, from Dr Wight's herbarium, but exists there in sparing quantities, and Dr G. suspected it to be one of those mentioned in Graham's Flora of Bombay, as having been sent from thence to Dr Wight, and that it may not be a native of the southern parts of the Peninsula of India.—7. *Sollya heterophylla**—8. *Sollya Itnearis*.—9. *Sollya line-rw*, variety.—The last of these plants seemed to be exactly intermediate between the other two, and appeared to justify a doubt re-

garding their being really distinct species. They were all in fine order, the second having been sent from the garden of Messrs James Dickson & Sons.—10. *Salcia dulcis*; a plant cultivated under this name in the Garden of the Caledonian Horticultural Society, but probably too near *S. Grahamii* to be considered specifically distinct, though its leaves were less rugose, and its flowers of a much more vermilion colour.—11. *Splicerostigma missionis*.—12. *Sjiharostigma minutiflorum*.—These two plants have no pretensions to beauty, being very insignificant but well-marked species of a genus established by Seringe on De Candolle's first section of *Oenothera*.—13. *Cerastium chlorafolium*—14. *Burtonia violacea*, shewn only because in very fine flower, and well contrasted with a fine flowering specimen of *Burtonia conferta*.—15. *Lobelia discolor*, a remarkably distinct and curious Mexican species of the genus—If). *Begonia Dregii*. This plant was raised at the Botanic Garden from seed imported under this name last year from Berlin. The seedlings flowered very abundantly in hotbeds, and had a very peculiar aspect, the leaves being exceedingly spotted with white. On the plants becoming older, however, these spots disappeared, and this season the plants have assumed in all respects the form of *J5. jwrrifolia*. If, therefore, there be a species deserving the name of *B. Dregii*, it must be different from that received from Berlin under that name—17- *Echinocactm tenuis/ninii*Sy in fine flower.—18. *Lathynis muritimus*.—19. *Laihyrux calif or nicus**—These two plants were exhibited to establish their identity,—a slight degree of pubescence on the last was the only distinction—20. *Geranium custatum*.—This seemed a very distinct new species, raised from seed sent to the Botanic Garden in 1839 from Cashmere by Dr Falconer.—21. *Milla bijlora*—in blossom, from the Garden of the Horticultural Society.—22. *Helichrysum niveum*, in fine flower, and the same specimen which, in the Garden of the Horticultural Society, flowered last year, proving that it is perennial.

4. Notes on the Botany of that section of Staffordshire lying between the rivers Trent and Dove. By Dr Spencer Thomson.

This communication was prefixed to a catalogue of the plants collected by Dr Thomson in the above district, and described the geological and general features of the country, being illustrated by a coloured diagram indicating the transition from flat meadows to the upland on which Need wood is situated, about 100 feet above the level of the sea. The catalogue was very carefully compiled, and the

marks employed which are recommended by the Society. It contained 263 genera, including 473 species, of Phanerogamous plants.

Thursday, July 23. 1841.

PROFESSOR GRAHAM, Vice-President, in the Chair.

COMMUNICATIONS.

1. Outline of a Philosophical History of the Reproductive function in Plants and Animals. By Dr W. B. Carpenter, Bristol.

This communication has been since published in the London and Edinburgh Monthly Journal of Medical Science, vol i. p. 655.

2. Notice of some remains from a supposed submarine Forest on the Shore near Hartlepool, Durham. By Mr W. C. Trevelyan.

3. Fourth Notice of rare or nondescript plants, chiefly from the Royal Botanic Garden. By Professor Graham.

Dr Graham exhibited—1. A remarkable genus belonging to the *Compositæ*, and seemingly to the tribe *Eupatoriaceæ*, and the division *Adenostylete* of DC, but not yet examined with sufficient accuracy. It was raised in the garden of Messrs Dickson & Sons from seed imported from Swan River.—2. *Cehia viscosa*, raised at the Botanic Garden from seeds sent by Dr Falconer from Cashmere.—3. A species of *Marrubium* raised from the same package of seeds.—4. A species of *Epilobium*, also from the same seeds,—5. A species of *Onopordium*, raised from Nepaul seeds received from Dr Royle.—6. *Ismelia madarensis*.—7. *Billbergia farinosa*. A plant under this name is cultivated in the Botanic Garden from Dr Fischer, Gottingen but which seem identical with *B. zebrina*.—8. *Begonia renuxta*. A plant cultivated under that name in the Botanic Garden, received from the Botanic Garden Birmingham, but not distinguishable from one published by Dr Graham in 1837, under the name *B. sinnata*, and since figured as such in the Botanical Magazine.—9. *Pereskea Bleo*. A plant several years in cultivation, shewn only in contrast with the following.—10. *Cactus speciosissimus*.—11. *Sintellario splendent*.—12. *Melissa*, a new species belonging to the 4th section *Clinopodium* of Bentham, and to the same division as *M. untkroxi*, namely, that in which the bracts are

shorter than the calyx. It has no beauty, and was raised from the package of Cashmere seeds which the Botanic Garden owes to Dr Falconer.—3. *Lisianthus Rimellianus*. Shewn only on account of the great splendour of the specimen from the nursery of Messrs James Dickson & Sons.—14, *Pentstemon cgentianoides, coccinea*. Said to be a mule produced in the British Gardens, but not distinguishable from *P. frutescens*, and which is said to have been raised from imported seed. They are probably mere seedling varieties of *P. gentianoides*, but far more splendid than the old form, which was also exhibited as a contrast.—15. *Cattleya crispa*, in splendid flower.—16'. *Nepenthes distillatoria, mas.* a seedling three years old, and with a stem scarcely three inches high, but in full flower. There are several other equally precocious specimens in the stove of Messrs James Dickson & Sons, from whence the specimen exhibited had been sent.

4. Account of results obtained from the forcible bending down of the branches of certain greenhouse and stove plants. By Mr James M'Nab. He commenced by noticing the practice resorted to with the peaiwid other fruit-trees, by retaining their branches in a dependent position, in order to obtain fruit at an early period of their growth.

The first notice in reference to flowering exotics, was in the case of plants which produce many shoots, but comparatively few flowers ; and to illustrate this class, Mr M'Nab quoted *Diplacus puniceus*, a suffruticose plant, native of North America. The *Diplacus* has a tendency to produce a number of young shoots on the sides of the stronger ones, but these make little or no progress, while the leading shoots go on without being checked. When the points of the leading shoots are cut off, a few only of the stronger side ones make progress. Simple as this method is, it is found to produce much better plants than those left in their natural state.

The second head of Mr M'Nab's paper was in reference to plants which produce flowers freely under ordinary circumstances, but where the flowering can be promoted several months by having their branches tied down. The example quoted was *Cytisiat hybridux*. During the spring of 1840, two plants were selected, both of the same size and age, and kept in a cool green-house. One of the plants had all its branches tied down, while the other was allowed to grow in its ordinary way. The former began to flower early in *Ortobc*,

and continued to do so throughout the winter and spring months* while the latter did not flower till its ordinary time arrived. He further illustrated this part of the subject by referring to several species of *Eparn's* and *Erica*.

The third division of this paper was in reference to plants whose flowers naturally form large and dense corymbs, such as *Liaianthus Russellianus*. The lateral branches were tied equally down all round, while the centre branches were allowed to remain in their natural position. The plant, in consequence of this treatment, assumed a beautiful pyramidal form. Under this head was particularly mentioned the improvement produced in flowering some of the orchideous plants, particularly *Oncidiuuns*, some of which have long wiry branches supporting their flowers. *Oncidium lucidum* was mentioned as having flowered, suspended from the roof of a stove-house, in a space about three feet square. The flower-shoot when produced was made to form a curve under the suspended plant, thus causing the flowers, when expanded, to be in front, or immediately above it, instead of expanding on bare wiry stems three, four, or five feet high. *Oncidium flexuosum* was also stated to be beautiful when so treated. •

In conclusion, Mr M⁴Nab mentioned that this mode of flowering plants will, with the application of a little heat, be found of the utmost importance in a commercial point of view.

5. Notes on a *Carex* allied to, but supposed to be distinct from *C. paniridata*, and on a variety of *Lolium perenne*, accompanied by drawings and specimens. By Dr Spenser Thomson, Burton-on-Trent.

6. Notice of the discovery, on the 19th July, of *Bartsia affina*, on a mountain near Killin, by Mr William Gourliejun. Glasgow. Specimens in a fresh state were exhibited to the Society.

7. A specimen of *Jitngcrmanititt 7//icro\$ropica*, Taylor, from Killarney, was presented by Dr Taylor, Dunkerron.

APPENDIX.

APPENDIX.

I. LIST OF CONTRIBUTORS to the HERBARIUM of the BOTANICAL SOCIETY.

(Continued from Third Annual Report, p. 136J)

N.B.—Members who have wholly or in part commuted their contributions of specimens, in terms of Bye-Law VII., have an asterisk * prefixed to their names.

Noivmbir 14. 1839.

	Plants from
GEORGE DICKIE, Esq., Aberdeen, .	Britain.
Mr WILLIAM GARDINER jun., Dundee,	ditto.
ARCHIBALD GORRIE, Esq., Annat Cottage,	ditto.
GEORGE SETON, Esq., Edinburgh, .	ditto.
Dr JULIUS VEHOXGK, Edinburgh, .	ditto.
Dr STANGER, Edinburgh, . . .	Australia.

Dr. mhn 12. 1839.

Mr JAMES CRUICKSHANK, Dumfries, .	Britain.
JOHN THOMAS SYME, Esq., Dollar, .	ditto.
Dr H. GIRAUD, Edinburgh, . . .	ditto.
J. S. MORRIESON, Esq., Edinburgh, .	ditto.
Dr GREVILLE, Edinburgh, . . .	ditto.
M. O. W. SONDER, Hamburg, . . .	Germany.
Lady JANE LINDSAY-CARNEGIE, Edinburgh,	Britain.
Mrs SCRYMSOURE FOTHUINGHAM, Fothering-	ham House, J
Dr A. SIMBALD, Edinburgh, .	Britain and France.
W. A. STABLE**, Esq., Cawdor Castle, .	Britain.
ANDREW BALFOUR, Esq., Edinburgh, .	ditto.
A. H. BALFOUR, Esq., Edinburgh, .	ditto.
JAMES WARD, Esq., Kilmindock, . . .	ditto.
T. J. BOWMAN, Esq., Halifax, . . .	ditto.
Dr WALTER SCOTT, Edinburgh, . . .	ditto.

Nov. 12. 1840.

Hon. Miss Nisbet, Audley End, .	Britain.
Hon. Miss BAKER, Cambridge, .	Brit, and Foreign plants
* Miss J. E. Nisbet, Audley End, .	Britain.
J. BALL, Esq., Dublin,	ditto.
Miss J. LOWE, Sancton, near Camlinidgo.	ditto.

	Plants from
R. M. LINGWOOD, Esq., Hereford, . . .	Britain.
Professor HENSLow, Cambridge, . . .	ditto.
* C. C. BABINGTON, Esq., Cambridge (L.I), . . .	ditto.
Dr DICKINSON, Liverpool, . . .	ditto.
Mr ALEXANDER CROALL, Montrose, . . .	ditto.
W. A. LEIGHTON, Esq., Shrewsbury, . . .	ditto.
R. MAUGHAN, Esq., Edinburgh, . . .	ditto.
Rev. C. A. STEVENS, Rochester, . . .	Brit, and Foreign plants.
T. SANSOM, Esq., London, . . .	Britain.
GEORGE E. DENNÈS, Esq., London, . . .	ditto.
Rev. W. HINCKS, London, . . .	ditto.
Rev. W. S. Ho RE, Devonport, . . .	ditto.
* H. C. WATSON, Esq., Thames Ditton (L.2, } 2s.), }	ditto.
T. W. MANN, Esq., London, . . .	ditto.
M. J. F. SIDNEY, Esq., Morpeth, . . .	ditto.
J. BALL, Esq., Dublin, . . .	Foreign plants.
Dr F. W. MACLAGAN, Edinburgh, . . .	Brit, and Foreign plants.
Dr W. B. CLARKE, Edinburgh, . . .	Britain.
Dr ATKIN, Edinburgh, . . .	ditto.
Dr J. A. FRASER, Edinburgh, . . .	France.
Dr W. H. LOWE, Edinburgh, . . .	Britain.
Dr SAMUEL LEWIS, Edinburgh, . . .	ditto.
W. BRAND, Esq., Edinburgh, . . .	ditto.
W. H. CAMPBELL, Esq., Edinburgh, . . .	ditto.
JOHN G. INNES, Esq., Forres, . . .	ditto.

February 13. 1840.

Dr H. B. M. HARRIS, Dumfries, . . .	Switzerland.
WILLIAM GOURLIE jun., Esq., Glasgow, . . .	Britain.
GEORGE J. LYON, Esq., Glasgow, . . .	Brit, and Foreign plants.
Dr ROTH, Munich, . . .	Austria.
Dr D. C. MACREIGHT, London, . . .	Foreign plants.
P. W. JACOB, Esq., Rochester, . . .	Britain.
Dr R. C. ALEXANDER, Chippenhuni, . . .	ditto.
C. E. BROOME, Esq., Chippenham, . . .	ditto.
Dr W. B. CARPENTER, Bristol, . . .	ditto.
Dr SPENCER THOMSON, Burton-on-Trent, . . .	ditto. *

March 12. 1840.

Dr G. A. MARTIN, Ventnor, . . .	Britain,
Dr BROMFIELD, Ryde, . . .	ditto.
ALBERT J. HAMBROUGH, Esq., Steepphill } Castle, }	ditto.
Dr T. BELL SALTER, Ryde, . . .	ditto.
W. C. TRKVLLYA*, Esq., Edinburgh, . . .	Faroe Isles.
WILLIAM MAITLAND, Esq., Aberdeen, . . .	Davis* Straits.

CHARLES COBBOLD, Esq., Edinburgh,	.	Plants from Arctic Regions.
BOTANICAL SOCIETY of London,	. .	Britain.
M. L. RABENHORST, Luckau,	. .	Switzerland.
Rev. Louis LERESCHE, St Cierge,	. .	ditto.
M. P. M. OPITZ, Prague,	. . ^J	Germany.
Professor KUTZING, Nordhausen,	. .	Switzerland.
Professor TENORE, Naples,	. .	Italy.
Dr C. F. MEISNER, Basle,	. .	Switzerland.
LE CIEV. GIOVANNI GUSSONE, Naples,	. .	Italy.
Dr LAGGER, Fribourg,	. . .	Switzerland,
Rev. C. MUNCH, Basle,	. . .	ditto,
P. J. BROWN, Esq., Thun,	. . .	ditto.
Mr W. GARDINER jun., Dundee,	. .	Britain.
W. H. CAMPBELL, Esq., Edinburgh,	. .	East Indies.
This collection contained 10,000 specimens.		

April 9. 1840.

Hon. W. H. HAHVEY,	. . .	Cape of Good Hope,
About 9000 specimens.		
Rev. 'W. ELLIOT, Cape of Good Hope,	. .	ditto.
About 1000 specimens.		
Mr W. GARDINER jun., Dundee,	. .	Britain,
Mr WILLIAM JACKSON jun., Dundee,	. .	ditto.
* Rev. T. B. BELL (L.I),	. . .	
W. C. TREVELYAN, Esq., Edinburgh,	. .	Faroe Isles.

May 14. 1840.

Dr ROBERT PATERSON, Leith,	. . .	France and Switzerland.
SIMON FOOT, Esq., Dublin,	. . .	Britain, Switzerland, &c.
Dr JULIUS VERONGE, Edinburgh,	. . .	France, &c.
W. C. TREVELYAN, Esq., Edinburgh,	. . .	Britain, &c.
About 1200 specimens.		

June 11. 1840.

W. C. TREVELYAN, Esq., Edinburgh,	. .	South of Franco.
Rev. P. SOMERVILLE, Malta,	. .	Mediterranean.

July 30. 1840.

Miss HAHVEY, Deal,	. . .	Britain.
Dr GAVIN WATSON, Philadelphia,	. .	North America.
This Collection is an extensive and valuable one.		
Dr JOSEPH MENEGHINI, Padua,	. .	Italy.
Mr WILLIAM JACKSOS jun., Dundee,	. .	Britain.

November 12. 1840.

- Dr PARNELL, Edinburgh, Plants from
Jamaica.
This donation included specimens of fruits,
barks, and seeds.
- S. H. HASLAM, Esq., Bath, Britain.
J. TATHAM jun., Esq., Settle, Yorkshire, • ditto.
R. M. LINOWOOD, Esq., Hereford, . ditto.
SAMUEL SIMPSON, Esq., Lancaster, . ditto.
Dr J. H. BALFOUR, Edinburgh, British and Foreign.
Upwards of 3500 specimens.
- Lady KEITH MURRAY, Ochtertyre, Britain,
WILLIAM GOURLIE jun., Esq., ^ -
G. J. LYON, Esq., . . .) Glasgow, ditto.
This donation consisted of an elegantly
bound volume containing the whole Bri-
tish mosses and hepaticise, with the ex-
ception of four.
- J. T. SYME, Esq., Dollar, Britain,
W. A. LEIOHTON, Esq., Shrewsbury, . ditto.
* W. G. PERRY, Esq., Warwick (L.I).

December 10. 1840.

- Mr WM. GARDINER jun., Dundee, Britain,
Mr WM. JACKSON jun., Dundee, ditto,
Mr THOMAS EDMONSTON jun., Shetland, . ditto,
E. W. BENSON, Esq., Birmingham, . . . ditto,
Dr F. I. WHITE, Perth, ditto.
ALLEYNE MAYNARD, Esq., Edinburgh, . .
Specimens of woods from Barbadoes.
- Dr H. F. C. CLEGHORN, Edinburgh, Britain,
Key. T. B. BELL, Edinburgh, ditto.

January 14. 1841.

- Mr A. CROALL, Montrose, Britain,
Miss PLOWDEN, Cambridgeshire, ditto,
M. J. F. SIDNEY, Esq., Morpeth, ditto,
II. C. WATSON, Esq., Thames Ditton, . . ditto,
N. B. WARD, Esq., London, ditto.
This donation included collections of mosses
and alga¹.
- Rev. J. E. LEEFE, Audley End, ditto,
Professor HEKBLOW, Cambridgo, ditto,
Rev. J. W. REEVES, Chichester, ditto,
Miss HARVEY, Dual, ditto,
C E. BROOMK, Esq., Chippunha:n, ditto,
* C. C. BABINOTON, Esq., Cambridge, (L.I) ditto.

	Plants from
The Hon. Miss NEVILLE, Audley End, . . .	Britain.
Dr ALEXANDER, Chippenham, . . .	ditto.
Kev. W. S. HORE, Plymouth, . . .	ditto.
T. W. MANN, Esq., London, . . .	British and Foreign plants.
Mr ANDREW KERR, Montrose, . . .	Britain.
Dr GAVIN WATSON, Philadelphia, . . .	North America.
Dr WIGHT, Madras, . . .	East Indies.

This donation included about 2000 specimens, chiefly from the Neilgherry Hills.

The Lithographed list accompanying it contained 317 species.

Lieutenant J. CAMPBELL, Madras, . . .	} ditto.
W. II. CAMPBELL, Esq., Edinburgh, . . .	

The specimens in this donation amounted to nearly 2000, and were collected by Lieut. Campbell near Vizianagruin.

Mr JAMES CRUICKSHANK, Dumfries, . . .	Britain.
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February 11. 1841.

W. A. STABLES, Esq., Cawdor, . . .	Britain.
JAMES WRIGHT, Esq., Edinburgh, . . .	ditto.
JOSEPH DICKSON, Esq., Edinburgh, . . .	ditto.
PLINIAN SOCIETY, Edinburgh, . . .	British and Foreign plants.

This donation included the herbarium of the Society, containing upwards of 1000 species.

Dr NILL, . . .	} Britain, Europe, East and West Indies, Cape of Good Hope, & c.
This donation comprised the herbarium of Dr Ncill, and included between 3000 and 4000 species.	

Dr CHRISTISON, Edinburgh, . . .	
This donation consisted of a large and valuable collection of seeds and fruits, chiefly used in medicine and the arts.	

March 11. 1841.

Mrs FOTHRINOHAM, Forfarshire, . . .	Britain.
J. T. SYME, Esq., Dollar, . . .	ditto.
G. J. LYON, Esq., Glasgow, . . .	ditto.
Dr DICKINSON, Liverpool, . . .	ditto.
J. W. GUTCH, Esq., London, (chiefly algæ),	ditto.
JAMES WARD, Esq., Richmond, Yorkshire,	ditto.
Dr T. B. SALTER, Isle of Wight, . . .	ditto.
H. MAUGHAN, Esq., London, (chiefly lichens) and alga*;, . . .	ditto.
J. F. OGILVY, Esq., Edinburgh, . . .	ditto.
D. STEUART, Esq., Edinburgh, . . .	ditto.

SAMUEL SIMPSON, Esq., Lancaster,	Plants from Germany, Hungary, Siberia, North and South America.
Dr BROMFIELD, Isle of Wight,	Britain.
T. SANSOM, Esq., London,	ditto.
Dr CARPENTER, Bristol,	ditto.
T. B. FLOWER, Esq., London,	ditto.
G. DENNES, Esq., London,	ditto.
W. C. A. STLVENS, Kent,	Britain and Australia.
ISAAC BROWN, Esq., Hitchin,	Britain.
Dr ROBERTS, Edinburgh,	ditto.
Rev. H. BABER, Suffolk,	ditto.
Mr JAMES CRUICKSHANK, Dumfries, (British mosses and jungermannue),	ditto,
P. W. JACOB, Esq., Rochester,	ditto.
Dr O. A. MARTIN, Isle of Wight,	ditto.
A. HAMBROUOH, Esq., Isle of Wight,	ditto.

March 25. 1841.

D. LAING, Esq., Signet Library, Edinburgh.

An old herbarium, supposed to have been made in England during the latter part of the 17th century.

W. C. TREVELYAN, Esq., Edinburgh,	Britain.
T. J. BOWMAN, Esq., Richmond, Yorkshire,	ditto.

April*. 1841.

E. J. QUEKETT, Esq., London,	Britain.
Dr STANGER, London,	Australia.
Dr JAMES MACAULAY, Edinburgh,	Madeira.
J. BUCHANAN HAMILTON, Esq., Edinburgh,	
W. C. TREVELYAN, Esq., Edinburgh,	Britain and Norfolk Island.
* Dr FARRB, London (L.I, Is.).	
* R. BOLEY, Esq., Bristol (L.I).	

May 13. 1841.

Dr ALEXANDER, Chippenham,	Britain.
Mr EVANS, Edinburgh,	ditto.
Mr M'CALLA, Cunnamara,	Ireland.
D. MOORE, Esq., Dublin,	ditto.
SIMON FOOT, Esq., Dublin,	ditto.
JOHN BALL, Esq., Dublin,	Britain. France, and Swit Borland.
J. TATHAM jun. Esq., Settle,	Britain.
O. DICKIE, Esq., Aberdeen,	ditto.

Jun 10. 1841.

Dr GREVILLB, Edinburgh,	.	.	Plants from
BOTANICAL SOCIETY OF LONDON,	.	.	Britain.
JOHN GRAY, Esq. Greenock, (L.5),	.	.	ditto.
	.	.	ditto.

July 8. 1841.

Mr W. GARDINER jun., Dundee,	.	.	Britain.
* Rev. T. B. BELL (L.I),			

July 23. 1841.

M. NABGELI, Zurich,	•	•	.	Switzerland,
Dr LAOGBR, Fribourg,	•	•	.	ditto.

October 1. 1841.

ISAAC BROWN, Esq., Hitchin,	.	.	Britain.
WK. GOURLIB jun. Esq., Glasgow,	.	.	ditto.
Mrs GRIFFITHS, Torquay,	.	.	ditto.

This donation consisted of a very valuable and extensive collection of sea-weeds.

HENRY CHRISTY, Esq., London,	.	.	British and Foreign plants
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This donation consisted of an additional portion of the herbarium of the late William Christy jun. Esq.

F. S. HADEN, Esq., Grenoble,	.	.	France.
Rev. CHRISTIAN MUNOH, Basle,	.	.	Switzerland.

PURCHASED BY THE SOCIETY, a Collection of Specimens from Western Australia, brought home by Mr GOULD.

APPENDIX.

II. DONATIONS to the LIBRARY of the BOTANICAL SOCIETY.

(Continued from Third Annual Report, p. 140.)

N.B.—Books which are duplicates, or continuations of works previously received, have the original numbers prefixed within brackets; the others are numbered in regular succession.

November 14. 1839.

The works which follow, from No, 193 to 209 inclusive, were presented by the late William Christy junior, Esq.

- 193 Be Candollo (A. P.) *Begni Vegetabilis Systema Naturale*, Vol. I. et II., 8vo. Parisii, 1818-21.
- (134)———*Prodromus Systematis Naturalis Regni Vegetabilis*, Tom. I.-VL, et Pars I. Tom. VII., 8vo. Parisii, 1824-3a
- 194 Rehlan (B.) *Flora Cantabrigiensis*, 3d edit. 8vo. Cantab. 1820.
- 195 Pursh (Fred.) *Flora America) Septentrionalis; or a Systematic Arrangement and Description of the Plants of North America*, 2 vols. 8vo. London, 1814.
- 196 Beck (L. C.) *Botany of the Northern and Middle States of North America*, 8vo. Albany, 1833.
- 197 Konig (C.) and Sims (J.) *Annals of Botany*, 2 vols* 8vo. London, 1805-6.
- 198 Hooker (Sir W. J.) *Companion to the Botanical Magazine*, 2 vols. 8vo. London, 1835-6.
- 199———*Icones Plantarum*, Vols. I. and II., and Part L Vol. III., 8vo. London, 1837-8.
- 200 ——— *Journal of Botany*, Vol I., 8vo. London, 1834.
- 201 Turner (Dawson) and Dillwyn (L. W.) *Botanist's Guide through England and Wales*, 2 vols. 8vo. London, 1805.
- 202 Merat (F. V.) *Nouvelle Flore des Environs de Paris*, 2d edit. 2 torn. 12mo. Paris, 1821.
- 203 Don (D.) *Monograph of the Genus Pyrola*, 8vo.
- 204 *Characters of Genera extracted from Hooker's British Flora*, 8vo. Edinburgh, 1830.

- i05 Webb (P. B.) *Iter Hispaniense*, 8vo. Paris, 1838.
- 206 Gray (Asa) *Remarks on the Structure and Affinities of the Order Ceratophyllaceae*, 8vo. New York, 1837.
- 207 Müller (Jos.) *Prodromus der Phniierognmischen Flora von Aachen*, 12mo. Aachen und Leipzig, 183G.
- 208 *Memoria Sulle Specie et Varietàdi Crochi della Flora Napolitana*, 4to. Napoli, 1826.
- 209 *Papers from the Transactions of the Horticultural Society, viz.—*
 Haworth (A. H.) *Account of the Genus Crocus*, 1809.
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- 212 *Collectanea for a Flora of Moray*, 8vo, 1839. *From Rev. George Gordon.*
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- 242 *Flora Vectiana; being an arrangement of the more rare and interesting Plants indigenous to the Isle of Wight*, 12mo. Lond. 1823. Front *W. C. Trevelyan, Esq.*
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- 250 Mcneghini (G.) Cenni sulla Organografia e Fisiologia delle Alghe, foliò. Padova, 1838. *From the Autlor.*
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- 254 Vogel (Theod.) Synopsis Generis Cassia?, 12mo. Berlin, 1837. *From R. J. Shuttlevvrth, Esq.*
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- 256 Miquel (F. A. W.) De Noord Nederlandsche Yegetatie in Hare Hoofdtrekken Yergeleken met die der Pruissische Bijn-Provincie, 8vo. Botterdam, 1837. *From the same.*
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- 273 ——— *Rapport sur le Mémoire de M. Auguste Trinchinelle de Monza "De Odoribus Florum,"* 8vo. Bruxelles, 1839. *From the Author.*
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- 276 — *Notes sur l'excitabilité et le mouvement des Feuilles chez les Oxalis*, 8vo. *From the Author.*
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- 294 Riley (J.) Catalogue of Ferns, 8vo. London, 1841. *From the Author.*
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- 301 Genlis (Madame de) La Botanique Historique et Litteraire, 12mo. Paris, 1840. *From W. C. Trevelyan, Esq.*
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- 306 Witham (Henry) Observations on Fossil Vegetables, 4to. Edinburgh, 1831.
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- 308 Davy (Sir Humphrey) Elements of Agricultural Chemistry, 4to. London, 1813.
- 309 Lyell (Charles) Principles of Geology, 2 vols. 8vo. London, 1830-32.
- 310 Thomson (Thomas) Annals of Philosophy, Vols. I. to XIII. 8vo. London, 1813-1819. Wants Vol. II.
- 311 Ainsworth (William) and Cheek (H. H.), The Edinburgh Journal of Natural and Geographical Science, Vols. I. to III., 8vo. Edinburgh, 1830-31.

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- 313 Willdenow (D. G.) *Principles of Botany, and of Vegetable Physiology*, 8vo. Edinburgh, 1811.
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- 315 De Candolle (Aug. Pyr.) *Organographie Vegetale*, 2 torn. 8vo. Paris, 1827.
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- 321 Headrick (Rev. James) *View of the Mineralogy, Agriculture, &c. of the Island of Arran*, 8vo. Edinburgh, 1807.
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- 324 *Laws and Transactions of the Plinian Society*, 8vo. Edin. 1823-29.
- 325 *Acta Societatis Regisc Scientiarum Upsaliensis*, 4to. Stockholm, 1744.
- 326 Lloyd (G. N.) *Botanical Terminology*, 12mo. Edinburgh, 1826.
- (170) Woodforde (James) *Catalogue of the Indigenous Phenogamic Plants growing in the neighbourhood of Edinburgh*, 12mo. Edinburgh, 1824.
- 327 *Clavis Anglica Linguoo Botanicoe, or Botanical Lexicon, in which the terms of Botany are explained*, 18mo. London, 1764.
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- (293) Forsyth (W. jnn.) Botanical Nomenclator, 8vo. London, 1794. *From the same.*

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- 335 Selection from Testimonials in favour of George A. Walker Arnott, A.M., LL.D., &c, 8vo. Edinburgh, 1841. *From Dr Walker Arnott*
- 336 Testimonials in favour of John Hutton Balfour, M.D., &c, 8vo. *From Dr Balfour.*
- 337 Balfour (J. H.) Syllabus of Course of Lectures on Botany, 8vo! *From the same.*
- 338 Meyer (E. H. F.) Synopsis Luzularum rite Cognitarum, 8vo. Göttingse, 1823. *From W. C. Trevelyan, Esq.*
- 339 Wikström (J. E.) Beskrifning af ett nytt Slägte ibland Växterne, kalladt ν Lonchostoma und Eriocaulon, 8vo. *From the same.*
- 340 Nomenclature Patoise des Plantes des Environs <FAries, 8vo. Aries 1838. *From the same.*
- 341 Gasparrini (Gugl.) Osservazione intorno ad Alcune Pianto Coltivate nel real Orto Botanico di Boccadifalco presso Palermo, 8vo. *From the same.*
- 342 Savi (G.) Sul Citrus Hystrix e sul Citrus salicifolia, 8vo. *From the same.*
- 343 Thornton (R. J.) The Religious Use of Botany, 12mo. London, 1824. *From the same.*
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- 346 Parkinson (John) Theatrum Botanicum, folio. London, 1640. *From David Falconar, Esq. of Carlowrie.*

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- 347 The Phytologist, No. 1., June 1841, 8vo. London. *From the Editors.*
- 348 Withering (T. C. M.) Systematic arrangement of British Plants, 8vo. 4th edition. London, 1801. *From Dr J. H. Balfour.*
- (16) Sowerby (C. E.) Supplement to English Botany, new series, NOB. LI. to LI V., 8vo. London, 1837. *From the Proprietor.*

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- 349 Vaucher (J. P.) Historie Physiologique des Plantes d'Europe, 4 tomes, 8vo. 1841. *From the Author.*

- 350 St Hilaire (Auguste) Memoire BUT la Structure, le Développement, et les Organes Générateurs d'une espèce de Marsilea, 8vo. Orleans, 1837. *From the Author.*
- 351 _____ Monographic des Primulades et des Lentibularie'es, 8vo. Orleans, 1840. *From the Author.*
- 352 _____ Rapport sur la Traduction de la Partie Botanique des Oeuvres de Goethe, 4to. *From the Author.*
- 363 Boston Journal of Natural History, Vol. IIL, Nos. 1 to 3, 8vo. Boston, 1840. *From Boston Natural History Society.*
- 354 Perry (W. G.) Systema Bibliographieum Compendiarium. *From the Author,*
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- 365 Gussone (Cay. D. Giovanni) Notizie sulle isole Linosa, Lampione, e Lampedusa, e Descrizione di una nuova specie di Stapelia, 4to. Naples, 1832. *From the Author.*
- 358 Meisner (C. F.) Synopsis Thymeleaxum, Polygonearum, et Begoniarum, Africse Australia, 8vo. 1840. *From the Author.*
- (23) _____ Plantarum Yascularium Genera, eorumque ch'aracteres et affinitates, Fascic 8 anjl 9, folio. Lipeiae, 1839-40. *From R. J. Shuttleworth, Esq.*
- 357 Hallerus (Albertus) Opuscula Botanica, 12mo. Gottingae, 1749. *From R. J. Shuttleworth, Esq.*
- 368 Iiebig (Justus) Organic Chemistry, translated by Dr Lypn Playfair, 8vo. London, 1840. *From the Author.*
- 359 Hamilton (Wm.) Prodrromus Plantarum Indue Occidentals, 12mo. London, 1825. *From O. E. Dtrmet, Esq.*
- 360 Lambert (A. B.) Illustration of the Genus Cinchona, 4to. London, 1821. *From the same.*
- 361 Catesby (M.) Hortns Europ® Americanus, 4to. London, 1767* *From the same.*

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- 363 Hall (T. B.) Flora of Liverpool, 12mo. London, 1839.
- 364 Dioscoridis (Ped.) Opera, folio. Colonies, 1529.
- 365 Sprengel (Curt) Systema Vegetabilium, 16th edition, 5 torn., 8vo. GottingaB et Lipeiffi, 1825-28.
- (134) Annals of Natural History, Nos. 23 to 48. London, 1839-41.
- 366 Lindley (John) Natural System of Botany, 8vo. London, 1836.
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APPENDIX.

III. Second REPORT by the BOTANICAL SOCIETY, on the State and Progress of the University Herbarium, and the Botanical Library connected with it

Since the date of their last Report, the Society have largely added to both the Herbarium and Botanical Library, and have also made considerable progress towards their arrangement. They expected, indeed, that, ere now, the whole collection would have been in a fit state for public inspection, as well as for private study, but various impediments have occurred to prevent this, as will be afterwards explained. It is proper, in the first place, however, to give a view of their progress and their condition at the, present time.

L As TO THE HERBARIA. '

The additions made to the Herbaria have been extensive and valuable, consisting partly of species new to the collection, and partly of better specimens of those which were previously in it. Besides numerous sets of the rarer British species, which need not be here particularized, the plants received are chiefly from the following countries, via.

- | | |
|-----------------------|-------------------|
| 1. Switzerland, | 7* West Indies, |
| 2. Germany, | 8. North America, |
| 3. France, | 9. South America, |
| 4. Italy, | 10. Australia, |
| 5. Cape of Good Hope, | &c. &c |
| 6. East Indies, | |

The principal contributors of these have been,

- | | |
|----------------------|------------------------|
| Dr Neill, | Dr Lager, |
| Dr Gavin Watson, | M. Opitz, |
| Dr Wight, | P. J. Brown, Esq. |
| Lieutenant Campbell. | Chev. Gussone, |
| W. H. Campbell, Esq. | Professor Tenore, |
| UNAËli, | ————— Martins, Ac. &c. |

It Neill's valuable donation embraced nearly his whole collection of rare exotics, which has been accumulating for a long series of years; and it may here be noticed that Professors Graham and Balfour have kindly undertaken to preserve specimens for the Herbarium of all the more interesting

plants which are cultivated in the Botanical Gardens of Edinburgh and Glasgow, which must in time form an important series.

Altogether the Collection is now in a very flourishing state, and when fully arranged and classified, will be found not unworthy of the distinguished University to which it is attached.

II. AS TO THE BOTANICAL LIBRARY AND MUSEUM.

The Society are also enabled to report favourably on these. The Library, now embracing above 500 volumes, contains many valuable works, the whole of which are placed in convenient cases, so as to be readily accessible for purposes of consultation, and a general Catalogue of them will, in due time, be prepared.

The Collection of Seeds, preserved Fruits, and Fossils, &c. &c. has also been considerably augmented, especially by valuable donations from Professor Christison and Dr Parnell; but there is still much room for additions to this collection, and, with the view of promoting these, the Society propose soon to print a Catalogue of Fossil Species, as they have already published directions for the preserving of Fruits, &c.

It has been mentioned, that the Society fully expected before now to have had the General Herbarium properly classified and arranged, but they have found the time and expense necessary for accomplishing this much greater than was anticipated, and although by no means discouraged on that account, they have become better aware both of the magnitude of their undertaking, and the care and labour which it involves. Unfortunately, too, the latter are of a kind for which not every naturalist is well adapted; so that, between the necessity of husbanding their funds on the one hand, and having the work of arrangement effectually done on the other, their exertions have been occasionally paralysed, and even for a time suspended, as both the Curator and those members who were best fitted to assist him, have such professional duties as generally to preclude them from engaging in a task which requires continuous and undivided attention..

It is therefore deeply felt by the Society, that, until they obtain the services of a competent botanist, who shall be engaged, at an adequate salary, to devote his whole time and energies to the work of arranging, preserving, and exhibiting the collections, not only must these remain some time longer in an immatured state, but it will be impossible to afford to naturalists that ready access and occasional assistance which, for the best interests of the science, it is desirable they should obtain.

In order, however, to secure such a Curator, it would be requisite to provide about L.100 a-year, and this sum the Society could not possibly allow from their own funds, without materially impeding, if not altogether checking, the regular increase of the collections, as well as the due publication of their own proceedings, and the carrying on of those operations for the general advancement of the science, which constitute a leading feature of their

design as a Society. They have hitherto devoted about £.200 a-year to these objects, besides much personal labour on the part of individual members; and as the Society is enjoying great prosperity, they have every reason to believe that an outlay to at least the same extent may be permanently continued ; but if the burden of maintaining a Curator were to be also laid Upon them, they cannot but fear lest their whole schemes should become abortive, from the inadequacy of their funds to meet the expenditure which must then be unavoidable.

In the conclusion of their last Report, the Society expressed a hope, that should public aid become necessary for the accomplishing of their objects, it would not be withheld; and considering that their endeavours are directed solely to the promotion of Botanical Science; that the collections under their charge have been made public property, and that, the attendance of a Curator is chiefly requisite in order to render these collections available for the public use, they do hope that, between the Crown and the Honourable Patrons of the University (with whom jointly rests the appointment to the Botanical Chair), such a grant may be made as will enable them to carry on effectually their extensive and important undertaking.

Humbly reported
 To the HONOURABLE PATRONS OF THE UNIVERSITY,
 and
 To the SENATUS ACADEMICUS,

By

WM. BRAND, Treasurer,
 For and in name of the Society.

EDINBURGH, *October* 1841.

APPENDIX.

IV. LIST of SUBSCRIBERS ^{ft*} the TRANSACTIONS of the BOTANICAL
 SOCIETY.

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- Ber. ^L BABBB.
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- 6 Dr J. H. BALFOUR.
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- 30 DAVID FALCONAR, Esq.
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