



**THE BRITISH
Bryological Society**



Report for 1926-7

VOL. I. PART 5



BLAENAU FESTINIOG & HARLECH :
PRINTED BY J. D DAVIES & Co.,
1927



EXECUTIVE OFFICERS
of the British Bryological Society
for 1926.

President :

REV. C. H. BINSTED, M.A., F.L.S.

Vice President :

MR. W. E. NICHOLSON, F.L.S.

Ex-Presidents :

MR. H. N. DIXON, M.A., F.L.S.
DR. SYMERS M. MACVICAR.

Treasurer :

MR. J. B. DUNCAN.

Librarian and Curator :

MR. W. R. SHERRIN, A.L.S.

Excursion Secretary :

MR. H. H. KNIGHT, M.A.

Distributors :

Mosses—MR. A. SUTTON, A.R.S.M.
Hepatics—MR. F. E. MILSOM, B.Sc.

Additional Members :

MISS L. I. SCOTT, B.Sc.
MR. W. H. BURRELL, F.L.S.

Secretary :

MR. D. A. JONES, M.Sc., A.L.S.

List of Members 1926.

HONORARY MEMBERS :

- Dr. Symers M. Macvicar, Invermoidart, Acharacle, R.S.O.,
Argyllshire.
Herr Leopold Loeske, Detmolderstrasse, 55/3, Berlin-Wil-
mersdorf, Germany.

ORDINARY MEMBERS :

- Mr. G. H. Allison, 65, Convamore Road, Grimsby.
Herr H. Andres, Argelanderstrasse, 124/2, Bonn, Germany.
Miss E. Armitage, Dadnor, Ross, Herefordshire.
Herr Ernst Bartling, Zinkhütte, Bergisch-Gladbach, bei Köln,
Germany.
Mr. Edwin B. Bartram, Bushkill, Pike County, Pennsylvania,
U.S.A.
Mr. A. T. Beals, 2929 Broadway, New York City, U.S.A.
Mr. W. Bellerby, 21 Clifton Green, York.
Mr. D. Billing, 6 Harbour View, Fowey, Cornwall.
Mr. R. W. Bingham, B.A., Royal School, Dungannon, Co.
Tyrone, Ireland.
Rev. C. H. Binstead, M.A.(Oxon), F.L.S., c/o Mr. A. Binstead,
136 Cromwell Road, London, S.W. 7.
Mr. D. B. Bradshaw, Provincial Bank House, Royal Avenue,
Belfast.
Mr. H. Van den Broeck, Antwerp, Belgium. (*Deceased* 1926).
Mr. H. C. Broome, Netherthorpe, Failsworth, Manchester.
Prof. V. F. Brotherus, Helsingfors, Finland.
Mr. W. H. Burrell, F.L.S., Bracondale, Hall Lane, Horsforth,
Leeds.
Mr. D. G. Catcheside, 28 Greyswood Street, Streatham,
London, S.W. 16.
Mr. J. Charrier, La Châtaigneraie, Vendée, France.
Capt. C. D. Chase, M.C., M.A., Campbell College, Belfast.
Mr. C. A. Cheetham, Nutting Grove, Farnley, Leeds.
Miss E. J. Chick, 45 Cricklade Avenue, Streatham Hill,
London, S.W. 2.
Miss H. A. Chick, 45 Cricklade Avenue, Streatham Hill,
London, S.W. 2.
Miss C. A. Cooper, California Lane, Bushey Heath, Herts.
Mr. R. H. Corstorphine, B.Sc., Hillside House, Arbroath.
Mrs. Corstorphine, B.Sc., Hillside House, Arbroath.

- Mr. H. N. Dixon, M.A., (Lond. & Cantab), F.L.S., 17 St. Matthew's Parade, Northampton.
- Mr. A. J. Dodd, 128 Myddleton Road, Bowes Park, London, N.22.
- Mr. J. B. Duncan, 6 Summerhill Terrace, Berwick-on-Tweed.
- Mr. E. J. Elliot, 56 High Street, Stroud, Gloucestershire.
- Dr. A. W. Evans, Yale University, Newhaven, Conn., U.S.A.
- Miss E. Evitt, 103 St Julian's Farm Road, London, S.E. 27.
- Mr. A. Gepp, M.A. (Cantab.), British Museum (Nat. Hist.), Cromwell Road, London, S.W. 7.
- Mr. J. Groves, F.L.S., Trevarthian, Freshwater Bay, Isle-of-Wight.
- Mr. J. W. Hartley, Mill-Head House, Carnforth.
- Mr F. Haxby, 15 Hollingwood Mount, Lidget Green, Bradford.
- Miss A. G. Hebson, 14 Castle Crescent, Kendal.
- Mr. J. Hennen, Antwerp, Belgium. (*Deceased 1927*).
- Miss Mary Hewlett, M.Sc., Greenhead High School, Huddersfield.
- Miss D. Hilary, B.Sc., 15 Plevna Terrace, Bingley, Yorks.
- Miss E. M. Hough, M.A., The School, Brentwood, Essex.
- Mr. J. D. Houston, Northern Bank House, Kilrea, Co. Derry, Ireland.
- Mr. C. P. Hurst, Ivy House, Great Bedwyn, Hungerford.
- Mr. H. A. Hyde, B.A., National Museum of Wales, Cardiff.
- Rev. R. Jackett, Crunwre Rectory, Whitland, Carmarthen-shire.
- Mr. F. C. B. Jefferies, Brynmelyn, Winscombe, Somerset.
- Mrs. Jefferies, Brynmelyn, Winscombe, Somerset.
- Mr. D. A. Jones, M.Sc., A.L.S., Rock House, Harlech, North Wales.
- Mr. H. H. Knight, M.A. (Cantab.), The Lodge, All Saints Villas, Cheltenham.
- Dr. Mauno J. Kotilainen, D.Ph., Korkeavuoren, Katu 8, Helsinki, (Helsingfors), Finland.
- Mr. W. Leach, Newlands, Victoria Avenue, Quinton, near Birmingham.
- Miss Eva M. Lee, M.Sc., Dept. of Botany, The University, Bristol.
- Mr. J. R. Lee, 96 Finlay Drive, Dennistoun, Glasgow.
- Mr. Johannes Lid, Botanical Museum, Oslo, Norway.
- Rev. D. Lillie, M.A., B.D., The Manse, Watten, Caithness.
- Miss F. M. Loader, 5 Westbourne Mansions, Westbourne Crescent, Southampton.
- Mrs. F. A. MacFadden, New Denver, B.C., Canada.
- Mr. C. V. B. Marquand, M.A. (Cantab.), F.L.S., Andreaea, 102, Mortlake Road, Kew Gardens, Surrey.

- Mr. St. John Marriott, 37 Owenite Street, Abbey Wood,
London, S.E. 2.
- Rev. W. R. Megaw, B.A., The Manse, Rosetta. Belfast.
- Mr. R. H. Meldrum, F.L.S., 3 Muirhall Bank, Perth.
- Mr. W. C. Millar, 8 North Terrace, Berwick-on-Tweed.
- Mr. F. E. Milsom, B.Sc., Glen Lyn, Station Road, Shepley,
Huddersfield.
- Mr. H. W. Monckton, V.P.L.S., F.G.S., 3 Harcourt Buildings,
Temple Gardens, London, E.C. 4.
- Mr. James Murray, 6 Burnside Road, Gretna, Dumfriesshire.
- Mr. W. E. Nicholson, F.L.S., 50 St. Anne's Crescent, Lewes.
- Miss E. F. Noel, F.L.S., 37 Moscow Court, London, W.2.
- Mr. J. L. O'Loughlin, 21 Corsehill Street, Streatham, London,
S.W. 16.
- Mr. J. H. Payne, The Rowans, 90 Newhill, Wath-on-Deerne,
Rotherham.
- Dr. W. H. Pearsall, D.Sc., F.L.S., The University, Leeds.
- Dr. L. H. Pegler, M.D., 7 Bartholomew Terrace, Exeter.
(Deceased 1927).
- Mrs. Pegler, 7 Bartholomew Terrace, Exeter.
- Miss D. Powell, B.Sc., Aldersyde, Reigate, Surrey.
- Prof. J. H. Priestley, D.S.O., B.Sc., F.L.S., The University,
Leeds.
- Rev. P. G. M. Rhodes, M.A. (Cantab.), D.D., F.L.S., Oscott
College, Birmingham.
- Mr. E. A. Richards, Hillside Cottage, Breck Road, Wallasey.
(Deceased 1927).
- Mr. P. W. M. Richards, 70 Belsize Park Gardens, London,
N.W. 3.
- Mr. F. Rilstone, Schoolhouse, Polperro, S.O., Cornwall.
- Mr. D. R. Robertson, 41 Johnston Avenue, Dundee.
- Prof. W. Robinson, D.Sc., University College, Aberystwyth.
- Miss Ida M. Roper, F.L.S., 4 Woodfield Road, Redland,
Bristol.
- Miss Muriel Saunders, St. Ann's, Reigate, Surrey.
- Mr. G. B. Savery, Silvertown, Exeter.
- Miss L. I. Scott, B.Sc., Lyddon Hall, Leeds.
- Mr. W. R. Sherrin, A.L.S., South London Botanical Institute,
323 Norwood Road, London, S.E., 24.
- Mr. J. R. Simpson, The Limes, Selkirk.
- Miss K. E. Smith, The Quarry, Lutterworth Road, Nuneaton.
- Mr. R. W. Smitham, 49 Esplanade, Fowey, Cornwall.
- Mr. H. Stansfield, 20 Park Grove, York.
- Capt. Carl Stenholm, Södra Vägen 24, Göteborg, Sweden.

- Mr. E. H. Stevens, B.A., Haw House, Rothbury, North-
umberland.
- Mr. A. Sutton, A.R.S.M., 9 Brookfield Park, London, N.W. 5.
- Mr. W. N. Tetley, M.A. (Cantab.), 12 St. Jude's Avenue,
Ormeau Road, Belfast.
- Mr. W. G. Travis, 9 Barton Road, Liverpool.
- Dr. L. B. C. Trotter, M.D. (Cantab), Rossway, Ledbury,
Herefordshire.
- Mrs. Trotter, Rossway, Ledbury, Herefordshire.
- Major A. Uggla, Royal Swedish Legation, 27 Portland Place,
London, W. 1.
- Herr Johannes Warnstorf, Hohenzollern Strasse 7/2, Witten-
berge, Potsdam, Brandenburg, Germany.
- Mr. E. C. Wallace, Springfield, 2 Strathearn Road, Sutton,
Surrey.
- Dr. Walter Watson, D.Sc. (Lond.), A.L.S., Taunton School,
Somerset.
- Mr. W. C. R. Watson, Rosedale, Southlands Road, Bickley,
Kent.
- Miss M. Weightman, M.Sc., 13 Alexandra Road, Waterloo,
Liverpool.
- Prof. F. E. Weiss, D.Sc., F.R.S., Victoria University, Man-
chester.
- Mr. H. J. Wheldon, A.C.I.S., 1 Cardigan Road, Barnes, Lon-
don, S.W. 13.
- Miss G. Wigglesworth, M.Sc., The Manchester Museum,
Victoria University, Manchester.
- Mr. A. Wilson, F.L.S., F.R. Met.S, Tir-y-Coed, Roewen,
Conway, North Wales.
- Mr C. H. Wilson, 55 Caledonia Street, Scarborough.
- Miss E. M. Wray, B.Sc., 9 Park View, Beeston Hill, Leeds.
- Miss A. Wyndham, Orchard Wyndham, Williton, Somerset.
- Mr. William Young, Fairview, Kirkcaldy.

New Members, 1927.

- Mrs. Ida M. Bentley, Northend, Ashford, Kent.
- Mr. R. Davis, 98 Littlemoor Lane, Doncaster.
- Miss E. A. Parish, House of Education, Ambleside.
- Dr. A. I. Simey, M.D., St. John's, Horton Crescent, Rugby.
- Mr. F. Verdoorn, 24 Oude Engweg, Hilversum, Holland.

Mosses and Hepatics sent for Distribution, 1926—1927.

	<i>Sphagna</i>	<i>True Mosses</i>	<i>Hepatics</i>	<i>Total</i>
Mr. G. H. Allison	...	14	56	70
Herr H. Andres (Germany)	3	3
Miss E. Armitage	...	30	63	171
Mr. W. Bellerby	...	21	80	101
Rev. C. H. Binstead	...	3	580	583
Prof. V. F. Brotherus (Finland)	207	207
Mr. W. H. Burrell	10	10
Mr. D. G. Catcheside	...	57	123	217
Mr. J. Charrier (France)	...	42	243	358
Miss C. A. Cooper	19	19
Mr. H. N. Dixon	127	127
Mr. J. B. Duncan	125	175
Mr. E. J. Elliott	36	36
Miss E. Evitt	17	17
Mr. J. Hennen (the late) (Belgium)	195	85	...	280
Mr. H. A. Hyde (Nat. Mus. of Wales)	...	82	60	142
Rev. R. Jackett	32	57
Mr. D. A. Jones	80	121
Mr. H. H. Knight	20	38
Dr. M. J. Kotilainen (Finland)	261	261
Mr. J. R. Lee	...	15	58	73
Mr. Johannes Lid (Norway)	...	25	48	73
Rev. D. Lillie	...	56	92	148
Herr L. Loeske (Germany)	105	105
Mrs. F. A. McFadden (B.C., Canada)	...	613	...	613
Mr. St. J. Marriott	105	105
Rev. W. R. Megaw	36	36
Mr. W. C. Millar	83	83
Mr. J. Murray	18	18
Mr. W. E. Nicholson	110	216
Dr. L. H. Pegler (the late)	10	10
Rev. P. G. M. Rhodes	146	217
Mr. E. A. Richards (the late)	79	91
Mr. P. W. M. Richards	...	14	94	143
Miss I. M. Roper	12	12
Miss L. I. Scott	22	22
Mr. W. R. Sherrin	7	7
Mr. H. Stansfield	63	63
Capt. Carl Stenholm (Sweden)	135	135
Mr. E. H. Stevens	96	96

	<i>Sphagna</i>	<i>True Mosses</i>	<i>Hep-atics</i>	<i>Total</i>
Mr. A. Sutton	...	14	...	14
Mr. W. N. Tetley	...	44	...	44
Mr. W. G. Travis	36	64	35	135
Mr. E. C. Wallace	6	40	...	46
Herr J. Warnstorf (Germany)	22	15	...	37
Dr. W. Watson	6	64	34	104
Miss G. Wigglesworth	...	3	...	3
Mr. A. Wilson	...	101	36	137
Miss A. Wyndham	2	76	...	78
	544	4602	711	5857

Referees.

MOSSES :—

Sphagnaceæ and Harpidia	...	MR. SHERRIN.
Andreæaceæ to Grimmiaceæ	...	MR. SAVERY.
Tortulaceæ to Orthotrichaceæ, and European	...	MR. NICHOLSON.
Schistostegaceæ to Leskeaceæ...	...	MR. JONES.
Hypnaceæ, except Harpidia	...	MR. DUNCAN.
Non European, and Referee in Chief	...	MR. DIXON.
HEPATICES	...	MR. KNIGHT.
Referee in Chief	...	DR. MACVICAR.



REPORT OF SECRETARY.

In presenting the Fifth Annual Report of the British Bryological Society, it is gratifying to mention that the membership continues to increase, the total on roll being now 110.

Death has robbed us this year of four valued members. Mr. H. Beesley, of Preston, Mr. J. Hennen of Antwerp, Mr. E. A. Richards of Wallasey, and Dr. L. H. Pegler of Exeter, have passed away and left us to mourn their loss. Obituary notices are appended.

The Annual Meeting and Excursion was held at Ingleton, and was well attended notwithstanding the difficulties of travelling due to the strike. Miss Armitage's account will be found in the Report.

The new edition of the Student's Handbook of British Hepatics has been published and we beg to congratulate Dr. Macvicar on the excellence of the work. We hope that its appearance will prove a stimulus to the study of this interesting group. Unfortunately the number of specimens contributed this year is less than formerly. It is well known that in many counties hepatics are poorly represented. This, together with the fact that the first edition was long out of print may account to some extent for the limited number of students taking interest in the subject. Members would do well to take up, along with the mosses, the study of these plants, which for variety and beauty of form cannot be excelled. Our esteemed Vice-President, Mr. W. E. Nicholson of Lewes, is to be congratulated on the number and interest of the species that he has added to our hepatic flora of late years. He has kindly presented the Society with reprints of his paper on *Cephaloziella dentata* for distribution among members.

The new edition of the Census Catalogue of British Mosses has appeared, and Mr. J. B. Duncan has a claim on the gratitude of the Society, for editing it and for so kindly financing the printing. Members are requested to provide themselves with copies for *desiderata* lists and other purposes; and, also, to assist in bringing it to the notice of others whom it may interest. Many copies must yet be sold before the cost of printing is defrayed! Our thanks are also due to Mr. H. N. Dixon for his valuable assistance and to Mr. W. R. Sherrin for his work with the *Sphagnaceæ*.

Mr. A. Sutton has been indefatigable in his efforts to get the distribution of mosses through at an earlier date and Mr F. E. Milsom has also distributed the Hepatics with the same

dispatch. The thanks of all members are due to these two gentlemen for their very great services, as, also, to Dr. Trotter for the immense trouble he has taken in compiling the list of Bryological Publications for 1926. It is to be hoped that members will pay special attention to the remarks at the end of his report.

I should like to take this opportunity of personally thanking Miss Armitage for acting as Secretary in my absence.

The items of information specified in last year's report may again be repeated this year:—(1) Mr W.R.Sherrin is Librarian and Curator, to whom gifts of bryological books and specimens will be very acceptable. (2) Dr. Trotter is proceeding with the compilation of the Bibliography of Bryological Literature and will welcome copies of new papers. (3) All new County Records should be sent direct, with specimens for verification, during the year to Mr. J. B. Duncan (Mosses), Mr. A. Wilson (Hepatics), and Mr. W. R. Sherrin (Sphagna and Harpidia).

Subscriptions are due on the 1st of January, and the Treasurer will be grateful if these are paid before the end of March in each year.

D. A. JONES.

ROCK HOUSE,
HARLECH, NORTH WALES,
MARCH 1927.

REPORT OF DISTRIBUTOR (Mosses)

The quantity of material for distribution this year is slightly less than last year, though the number of contributors is greater. Although the true Mosses are in excess of last year's total, the Sphagna are less than half what they were last year. The quality however is well maintained, several rare and interesting plants having been sent in. In this respect, our President has again been untiring in collecting for our benefit in the South of France, Italy and at home. We have to thank Mr. Dixon for sending us a wealth of material from his collection, including many of his own early gatherings; he has also sent some very interesting Antarctic plants. Our Foreign members also have given us cause for grateful appreciation of their activity. A large number of unwanted specimens distributed in former years have been returned for re-distribution. They will be very useful, especially for new members; they are not, however, specially mentioned in the detailed report.

The number of *desiderata* lists furnished is slightly greater than last year, but the majority of the members have still left the selection of their share of specimens to the discretion of the distributor. This, though perhaps flattering as showing confidence in him, is unsatisfactory, as he cannot know what would be acceptable in every case, and it may lead to a waste of material, as he may send particular specimens to members who do not want them while other members to whom they would be acceptable are passed over in consequence of their wants being unknown. Those who have indicated their wants will of course have preference over those who have omitted to do so. As a larger proportion of foreign plants is now being sent in, it would be a great assistance if members who wish for Non-British plants would make use of the Exchange List of European Mosses prepared some years ago by Mr. Nicholson, copies of which can now be obtained from Mr. Sherrin, price 2d. each.

The results of the request in the new Distribution Circular issued last year for the earlier sending-in of oblata lists and contributions of plants are generally satisfactory, though some members seem to have been unaware of the change, and possibly we may have lost a few contributions in consequence of this. More time has, however, been available for the work of revision by the Referees, and it is hoped that the change will enable the Report to be issued earlier than usual this year, especially as it has been prepared before the actual distribution of specimens, instead of afterwards as hitherto.

The Referees have, in general, reported favourably on the plants sent in. Mr. Nicholson mentions that some of the foreign plants contributed are of exceptional interest. Herr Loeske's specimens of *Angströmia longipes* are fine fruiting examples of this rare alpine plant, and his *Philonotis Osterwaldii* and Prof. Brotherus' *Voitia nivalis* are welcome specimens of species which are very difficult for British Students to acquire. The President's *Orthotrichum Schimperii* in such ample quantity may also be specially mentioned. In a few cases, however, the Referees have found occasion to comment on the poor condition and scantiness of some of the specimens submitted, and on a lack of care in their preparation. It will greatly aid the Referees in their arduous tasks, if all contributors will adhere more strictly to the recommendations of the Distribution Circular. We are so much indebted to the Referees for devoting their special knowledge to our service that we must be exceedingly careful not to add unnecessarily to their labours.

It is very gratifying to note that some of our newest members have shown at once a most laudable activity in collecting, and a generous spirit in sharing their acquisitions with their fellow members. This and the fact that the number of contributions to the distribution is increasing are noteworthy signs of the growing usefulness of the Society's work.

A. SUTTON.

9, BROOKFIELD PARK,
LONDON, N. W. 5.,
March, 1927.

Report of the Distributor (Hepatics).

The distribution has been conducted in the same manner as previous years. The number of species sent in has been somewhat fewer than in recent years, 711 packets having been contributed by 15 members. Possibly this is due to the change in dates for sending in material, which was arranged thus for the first time in the present distribution.

Among species sent in, *Fossombronia Loitlesbergeri* Schiffn. and *Cephaloziella dentata* (Raddi) K. Müller, collected by Messrs. H. H. Knight and W. E. Nicholson at the Lizard, Cornwall, will be interesting to British members.

A nice amount of Continental material has been contributed, but no Non-European species.

Yorkshire members will be interested in a packet of *Ricciocarpus natans* (L) bearing the name W. West, and the date 1879, from a locality near York (this would probably be Askham Bog), the packet being contributed by the National Museum of Wales.

The careful way the packets have been prepared and banded together, and the full lists accompanying most of the the contributions have made the work of distribution much easier.

It is again a pleasant duty to refer to the thanks the Society owes to Mr. H. H. Knight for his careful refereeing of the Hepatics. He has expressed himself as very satisfied with the material sent in, and the packetting of the specimens.

F. E. MILSOM.

SHEPLEY, HUDDERSFIELD,
March, 1927.

Report of the Librarian.

The British Bryological Society's Library and Herbarium have recently been established. A valuable set of scientific books has been presented by the family of the late Mr. Wm. Ingham which forms a good nucleus, for which the cordial thanks of the Society are due. The Library consists of a fair number of volumes, all in good condition, in addition to a number of bryological and other botanical papers contributed by eminent British and Foreign botanists.

A list of the books has been typed and will be sent, together with a copy of the Rules, to members on application. The various reprints have also been listed. Already the Library has proved of great service to members who have expressed their appreciation of the privilege of being allowed to borrow the books.

The Herbarium is also growing, and it is to be hoped that members will kindly make contributions of authentic specimens of mosses and hepatics from time to time.

W. R. SHERRIN.

SOUTH LONDON BOT. INST.,
323, NORWOOD ROAD,
LONDON, S.E.24,
April, 1927.

Reports on Plants sent in by Members.

An Asterisk (*) denotes a new Vice-Comital Record.

SPHAGNA.

Sphagnum fimbriatum Wils., Vorsselaer, Belgium, June 1926, J.H. "A form near v. *validius*," W.R.S.; var. *validius* Card., near Bighthouse (108), Sept. 1924, D.L.; f. *spectabile*, Komturwald, Ostpreussen, Germany, July 1912, leg. Dietzow, com. J.W.; var. *tenue* Grav., Manton Moor (54), June 1926, G.H.A.; Cappellen, Belgium, Dec. 1918, J.H.; Freiwald, Ostpreussen, Germany, Sept. 1913, leg. Dietzow, com. J.W.

S. Girgensohnii Russ., Aucheneden Hill (86*), Sept. 1917, J.R.L. "This is the var. *microcephalum* W." W.R.S.; Krummhübel, Riesengebirge, Germany, July 1908, J.W.; var.?, Ben Lawers (88) June 1922, leg. D.R.R., com. D.L. "I refer this to the type only," W.R.S.; var. *stachyodes* Russ., Glutt (109), Aug. 1926, D.L.

S. Russowii W., Glutt (109), Aug. 1926, D.L.; Grünhagen, Ostpreussen, Germany, July 1912, leg. Dietzow, com. J.W.; var. *girgensohnioides* Russ. f. *flavescens* Russ. Ben Lui (88), June 1924, leg. D.R.R., com. W.G.T. "This is the nearest approach to *S. Girgensohnii* I have seen." W.S.R.

S. fuscum Schp, Freiwalde, Ostpreussen, Germany, Sept. 1913, leg. Dietzow, com. J.W.

S. Warnstorffii Russ., Cwm-y-glo (48*), Aug. 1924, D.G.C.; Scottack Hill (109) April 1925, D.L.

S. rubellum Wils., var. *viride* W., Ingleborough (64*), May 1926 E.A.; var. *flavum* Jens. ap. W., Grünhagen, Ostpreussen, Germany, (no date) leg. Dietzow, com. J.W.; f. *pallescens* W., Greenham Comm. (22), Aug. 1926, E.A.; var. *rubescens* W., Tonque (108), Aug. 1926, D.L.; var. *purpurascens* Russ., Freiwald, Ostpreussen, Germany, Sept. 1913, leg. Dietzow, com. J.W.; var. *versicolor* W., Greenham Comm. (22), Aug. 1926, E.A.

S. acutifolium Ehrh., var. *flavescens* W., Brasschaet, Belgium, Apr. 1905, J.H.

S. quinquefarium W., Skipwith Comm. (61) Oct. 1926, W.B.

S. plumulosum Roell., var. *purpureum* W., f. *robustum* W., Dunnet Head (109), Sept. 1926, D.L.; var. *ochraceum* W., f. *congestum* W., Brecon Beacons (42*) July 1926, E.A.

S. tenerum (Aust.) W., Leith Hill (17), Apr. 1926, D.G.C.

S. molle Sull., var. *molluscoides* (C.M.) W., f. *heterophyllum* W., Brecht, Belgium, July 1919, J.H.; Westwezel, Belgium, Aug. 1919, J.H.

S. compactum D.C., Bressay (112), 1926, leg. G. Linklater, com. P.W.M.R. "This is *S. cymbifolium*," W.R.S.; var. *squarrosum* Russ., Wisley Comm. (17), Sept. 1926. "This is nearer to var. *subsquarrosum*," W.R.S.; f. *laxum* Card., Cappellen, Belgium, May 1919, J.H. "This is hardly the f. *laxum*," W.R.S.; var. *imbricatum* W., f. *violascens* W., Westmalle, Belgium, May 1921. "This is not well-marked v. *imbricatum*," W.R.S.; var. *isophyllum* Wheld., Oxshott Heath (17), Oct. 1925, E.C.W.

S. squarrosum Pers., Woburn Sands (30), 1926, P.W.M.R. "This is the var. *spectabile*," W.R.S.; Manton Moor (54), June 1926, G.H.A. "This is near the var. *imbricatum*," W.R.S.; var. *spectabile* Russ., f. *elegans* W., Grobbendonk, Belgium, June 1926, J.H. "This is the var. *subsquarrosum* W." W.R.S.; var. *imbricatum* W., Brasschaet, Belgium, Nov. 1925, J.H.

S. teres Angstr., Blae Loch (75) Apr. 1926, J.R.L. "This is the var. *imbricatum* W.," W.R.S.; var. *subteres* Lindb., Esschen, Belgium, Oct. 1920, J.H.

S. riparium Angstr., var. *speciosum* Russ., Maldeuten, Ostpreussen, Germany, Oct. 1909, leg. Dietzow, com. J.W.

S. Lindbergii Schp., Elbfallbande, Riesengebirge, Germany, July 1908, J.W.; Voss, Skemmone, Norway, 1180m., Aug. 1926, J.L.

S. obtusum W., Grünhagen, Ostpreussen, Germany, Sept. 1912, leg. Dietzow, com. J.W.; var. *recurviforme* W., Freiwald Ostpreussen, Germany, Sept. 1909, leg. Dietzow, com. J.W.

S. Dusenii C. Jens., var. *falcatum* C. Jens., Westwezel, Belgium, July 1903, J.H.

S. amblyphyllum Russ., var. *mesophyllum* W., f. *molle* Russ. — 0
Leith Hill (17), Apr. 1926, D.G.C. "This is *S. recurvum*, var. *majus*, f. *sphaerocephalum*." W.R.S.

S. balticum Russ., Maldeuten, Ostpreussen, Germany, Oct. 1909, leg. Dietzow. com. J.W.

S. recurvum P. de B., var. *robustum* Breidl. f. *strictifolium* W., Glutt (109) Aug. 1926, D.L.; f. *nigrescens* W., Cappellen, Belgium, Oct. 1925, J.H. "I should call this a weak form of the var. *robustum*. Specimens of f. *nigrescens* in Warnstorf's collection have very pronounced blackish cells," W.R.S.; f. *latifolium* W., Glutt (109) Aug. 1926, D.L.; Cappellen, Belgium, Aug. 1925, J.H. "The leaves of the Belgian plant are not wide enough for f. *latifolium*: it is half way between f. *latifolium* and f. *longifolium*, but it also comes near f. *fuscescens* and is perhaps best under this," W.R.S.; f. *fuscescens* W., Cappellen, Belgium, May 1926, "This plant is *S. fallax*; it agrees well with var. *Schultzii*," W.R.S.; var. *majus*:

Angstr., f. *pulchellum* W., Glutt (109), Aug. 1926, D.L.; f. *subundulatum* W., Brecon Beacons (42*), July 1926, E.A.; Calmpthout, Belgium, Oct. 1919, J.H. "The Belgian plant is the var. *majus*, but not the form *subundulatum*," W.R.S.; var. *parvulum* W., Perleberg, Brandenburg, Germany, July 1919, J.W. "This is *S. amblyphyllum*, v. *mesophyllum*, f. *molle*," W.R.S.

S. fallax v. Klinggr., var. *plumosum* W., Broadmoor (17) Apr. 1926, D.G.C. (Nos. 140, 147 and 149). "The first gathering is *S. recurvum*, v. *majus*, f. *silvaticum*. The others are correct," W.R.S.; Cappellen, Belgium, May 1925, J.H. "The leaves of this plant are far too short for the var. *plumosum*. Last year Mr. Hennen sent in specimens so named with the true *plumosum* habit and leaves measuring 3—4 mm., or more. I think these plants, which come from the same locality, must be referred to the var. *laxifolium*, the leaves measuring only 1.8—2.1 mm." W.R.S.

S. cuspidatum Ehrh., Skipwith Comm. (61), Oct. 1926, W.B. "This is v. *falcatum*." W.R.S.; var. *falcatum* Russ., Skipwith Comm. (61), Oct. 1926, W.B.; f. *molle* W., Fallingbostel, Hanover, Germany, July 1920, J.W.; f. *rigidum* W., s.f. *gracile* W., Esschen, Belgium, June 1913, J.H.; var. *submersum* Schp., f. *crispatum* W., Westwezel, Belgium, May 1925, J.H.; f. *rigescens* W., s.f. *robustum* W., Opinan, Gairloch (105) July 1925, leg. D.R.R., com W.G.T. "I believe this to be a form of the var. *falcatum*, but the specimens are too decayed to admit of satisfactory determination." W.R.S.; Westmalle, Belgium, Oct. 1924, J.H.; var. *plumosum* Schp., f. *densum* W., Robin Hood's Bay (62), Sept. 1926, W.B.

S. molluscum Bruch, (*S. tenellum* Ehrh), Ben Narnain (98), July 1925, J.R.L.; Fallingbostel, Hanover, Germany, July 1920, J.W.; var. *confertulum* Card., Westmalle, Belgium, Oct. 1923, J.H. "This is the var. *vulgatum*." W.R.S.; var. *vulgatum* W., f. *robustum* W., Calmpthout, Belgium, June 1921, J.H.

S. obesum Wils., Schilde, Belgium, Oct. 1925, leg. M. de Decker & J.H., com J.H.

S. subsecundum Nees ap. Sturm, Grünhagen, Ostpreussen, Germany, July 1912, J.W.; var. *tenellum* W., f. *imbricatum* W., Dalherde, Rhon, July 1905, J.W.; var. *intermedium* W., Grünhagen, Ostpreussen, Germany, Sept. 1912, leg. Dietzow, com. J.W.

S. inundatum Russ., var. *ovalifolium* W., Brecon Beacons (42*) July 1926, E.A. "A rather weak specimen of f. *eurycladum* W." W.R.S.; f. *robustum* W., Westmalle, Belgium, Oct. 1923, J.H. "This plant is *S. crassicladium*, v. *diversifolium*

W.R.S. ; f. *densum* W., Westmalle, Belgium, May 1912, J.H. "This is *S. aquatile*, v. *pauperatum* W." W.R.S. ; var. *lanceifolium* W., f. *falcatum* W., Yvoir, Belgium, June 1922, J.H. "Hardly sufficiently marked to be the f. *falcatum*." W.R.S. ; f. *densissimum* W., Brecon Beacons (42*) July 1926, E.A. ; var. *diversifolium* W., f. *eurycladum* W., Cappellen, Belgium, Aug. 1925, J.H.

S. auriculatum Schp., var. *laxifolium* W., Opinan, Gairloch (105), July 1924, leg. D.R.R., com. W.G.T. "This is *S. aquatile*," W.R.S.; var. *cano-virescens* W., Cappellen, Belgium, Sept. 1925, J.H. "This is *S. inundatum*, v. *lanceifolium*." W.R.S. ; var. *racemosum* W., Whitmore Comm, (17), April 1926, D.G.C. "This is *S. crassycladum*, v. *diversifolium*, f. *inundata*." W.R.S.

S. aquatile W., L'Hermenault, Vendée, France, Aug. 1925, J.C. "I make this to be *S. crassycladum*. A plant in the young condition, as this is, is very difficult, but if the leaves of the branches from the older part of the stem are examined they will be found to be more typical." W.R.S. ; var. *mastigocladum* W., Opinan, Gairloch (105), July 1924, leg. D.R.R., com. W.G.T.

S. crassycladum W., L'Hermenault, Vendée, France, Aug. 1925, J.C. "This is the var. *intermedium*, f. *ovalifolium*." W.R.S. ; var. *magnifolium* W., f. *fluctuans* W., Foersel, Belgium, May 1913, J.H. "This is var. *intermedium*, f. *ovalifolium*." W.R.S. ; f. *lonchocladum* W., Schooten, Belgium, Sept. 1923, J.H. "This is var. *diversifolium*." W.R.S. ; var. *diversifolium* W., f. *inundatum* W., Vorselaar, Belgium, Oct. 1923, J.H. "This is *S. inundatum*, v. *diversifolium*." W.R.S. ; var. *intermedium* W., f. *leptocladum* W., Schooten, Belgium, Sept. 1923, J.H. "This is the var. *diversifolium*." W.R.S.

S. rufescens, Nees and Hornsch., L'Hermenault, Vendée, France, Aug. 1925, J.C. ; Easedale (69), Oct. 1926, C.H.B. "These are I think the true *S. rufescens*, with numerous pores on both surfaces of the leaf. I find *S. rufescens* to be a very rare plant. Most of the specimens so named which I have examined have proved to belong to some other species of the *subsecundum* group, having pores on one surface only. Very careful focussing under a high-power objective is necessary to detect the pores on both surfaces." W.R.S. ; var. *magnifolium* W., f. *rufidulum* W., s.f. *subsimplex* W., Cappellen, Belgium, Oct. 1920, J.H. "I regard this as a 'monstrosity.' It is not *S. rufescens* : pores are almost absent on the upper surface of the branch leaves." W.R.S. ; Brecht, Belgium, May 1921, J.H. "This is *S. auriculatum*."

W.R.S. ; f. *virescens* W., Schooten, Belgium, Sept. 1926, J.H. "This is a shade-grown form of *S. auriculatum*." W.R.S. ; Ben Lui (88), June 1924, leg. D.R.R., com. W.G.T. "This also is *S. auriculatum*." W.R.S. ; var. *parvulum* W., f. *canovirescens* W., Putte-Cappellen, Belgium, Apr. 1920, J.H. "This is a form of *S. crassycladum*." W.R.S.

S. turgidulum W., var. *fulvum* W., Esschen, Belgium, June 1920, J.H. ; var. *isophyllum* W., Cappellen, Belgium, April 1923 "These are both *S. crassycladum*." W.R.S.

S. imbricatum Russ. (*S. Austini* Sull.), Dubh Chraige (87), July 1919, J.R.L. ; var. *cristatum* W., Bords de la Gileppe, Hertogenwald, Belgium, Aug. 1899, J.H.

S. papillosum Lindb., var. *normale* W., f. *majus* Grav., Cappellen, Belgium, June 1925, J.H. ; var. *sublaeve* Limpr., Greenham Comm. (22), Aug. 1926, E.A. ; Skipwith Comm. (61), Oct. 1926, W.B., Tonque (108) Aug. 1926, D.L. ; f. *validum* W., Glutt (109), Aug. 1926, D.L.

S. cymbifolium Ehrh., Lynwode (54), June 1926, G.H.A. ; var. *glaucescens* W., f. *brachycladum* W., Cappellen, Belgium, Dec. 1924, J.H. "This is *S. papillosum*, v. *sublaeve*." W.R.S.

S. medium Limpr., Tyndrum (88), July 1920, J.R.L. ; var. *virescens* W., Perleberg, Brandenburg, Germany, July 1919, J.W.

True Mosses.

European (British and Continental)

Andreaea petrophila Ehrh., Loch Avon, Ben McDhui (94), July 1909, leg. J. A. Wheldon, com. H.A.H.

A. obovata Thed., Rastagaisa, Finnmark, Norway, July 1893, leg. Chr. Kaurin, com. J.L.

A. Rothii W. & M., Rothbury (68), Nov. 1926, E.H.S.

A. frigida Hüb., Kjelkeskaret in Lyse, Rogaland, Norway July 1886, leg. B. Kaalaas, com., J.L. "This is *A. Rothii*, var. *grimsulana* Hook. of the "Handbook'." W.E.N.

Catherinea tenella Röhl, Dänenteich bei Ahrensburg, Holstein, Sept, 1906, leg. E. M. Holmes, com. W.R.S.

Polytrichum sexangulare Floerke, in young fruit, Chamonix, France, Aug. 1926, D.A.J.

P. gracile Dicks, Lynwode (54), March and April 1926, G.H.A.

P. formosum Hedw., Lynwode (54), June 1926, G.H.A.

P. commune L., var *minus* Weis, Chobham (17), Nov. 1923, leg. A.H. Carter, com. E.E.

Buxbaumia aphylla L., Venusberg, Bonn-am-Rhein, Germany, Dec. 1925, H.A.

B. indusiata Brid., Chamonix, France, Aug. 1926, D.A.J.

Pleuridium alternifolium Rabenh., Annestorp, Lindome, Halland, Sweden, May 1926, C.S. "I should call this plant *P. subulatum*. The stems are too short for *P. alternifolium*, and the perichaetial bracts are not abruptly narrowed; the subula of the bracts also, is not very much elongated." G.B.S.

Ditrichum tenuifolium Lindb., Tintern (35*) Apr. 1925, leg. H.H.K. and W.E.N., com. W.E.N.

D. flexicaule Hampe, var. *densum* B. & S., Orton Scar (69), Sept 1926, C.H.B. ; Ingleton (64) May 1926, J.B.D.

Swartzia inclinata Ehrh., Holy Island (68), July 1926, leg. J.B.D. and W.C.M., com. W.C.M. ; Tents Muir (85), June 1924, leg. D.R.R. com W.G.T.

Seligeria pusilla B. & S., Lessness (16), Dec. 1926, St. J.M. "There is very little fruit, but I have managed to find one ripe capsule. This is elongated, with a tapering neck and contracted mouth. I should say that it belongs to *S. paucifolia* and not *S. pusilla*. Apparently the plants without fruit are similar." G.B.S.

S. paucifolia Carr., Hatcliffe (54), June 1926, G.H.A. ; Streatley Hill (22), Oct. 1925, P.G.M.R.

S. calcarea B. & S., Grays (18), March 1926, St. J.M.

Brachyodus trichodes Färnrr., Milland (13), Apr. 1926, P.W.M.R.

Saelania caesia Lindb., Soprabolzano, N. Italy, June 1926, C.H.B.

Rhabdoweisia fugax B. & S., Traprain Law (82), June 1925, E.H.S.

Cynodontium polycarpum Schp., Wolfsgruben, Bolzano, N. Italy, June 1926, C.H.B.

C. strumiferum De Not., Klobenstein, N. Italy, June 1926, C.H.B.; Hackarp, Fagered, Halland, Sweden, June 1926, C.S.

C. virens Schp., Ben Chalum (88), July 1910, leg. J. A. Wheldon & A.W., com. A.W.; Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

Dichodontium pellucidum Schp., Shap Wells (69), Sept 1926, C.H.B.; var. *compactum* Schp., Chapel-le-Dale (64), May 1926, leg. H.N.D., com. W.H.B.; Southerscales (64), May 1926, J.B.D.

D. flavescens Lindb., Rothbury (68), Oct. 1926, E.H.S.; Ben Challum (88), leg. J. A. Wheldon, det. & com. W.G.T. "I do not think this can be a *Dichodontium*, for the leaves have long, slender points and the cells are smooth. I should call it *Cynodontium virens*." G.B.S.

Angströmia longipes Br. Eur., Krimmelar, Tauerntal, Salzburg, Germany, 1600m., Aug. 1926, L.L. "These are fine fruiting specimens of this rare Alpine plant. Three of the envelopes, which I have marked, contain a small admixture of a sterile *Dicranella*." W.E.N.

Dicranella cerviculata Schp., Manton Moor and Lynwode (54), June 1926, G.H.A.; Esbo, Nyland, Finland, July 1921, V.F.B.

D. crispa Schp., Ross Links (68), July 1926, leg. J.B.D. & W.C.M., com. W.C.M.

D. rufescens Schp., Whitney (36), Aug. 1926, C.H.B.

D. varia Schp., Waltham (54), Dec. 1926, G.H.A.

D. Grevilleana Schp. (*Anisothecium Grevilleanum* Lindb.), Penra, Tervola, Ostrobothnia bor., Finland, July 1925, c. fr., M.J.K.

D. squarrosa Schp., Tal-y-Fan (49), Oct. 1926, A.W.

Blindia acuta B. & S., Cheviot (68), July 1926, leg. J.B.D. & W.C.M., com. W.C.M.; var. *trichodes* Braithw., Rothbury (67), Aug. 1926, J.B.D.

Dicranoweisia crispula Lindb., Klobenstein, Bolzano, N. Italy, June 1926, C.H.B.

Campylopus subulatus Schp., Abergwesin (42), July 1926, W.E.N.; Builth (43), July 1926, "varying forms, but none

so extreme as var. *elongatus*." E.A. ; var. *elongatus* Boswell, near Builth (43), July 1926, H.H.K.

C. flexuosus Brid., Kyloe Hills (68), March 1926, leg. J.B.D. & W.C.M., "form growing on sandstone rocks," com. W.C.M.

C. pyriformis Brid., Chipperfield (20), Nov. 1926, c. fr. St. J.M.

C. fragilis B. & S., Broadmoor (17), Apr. 1926, D.G.C. " I should call this plant *C. pyriformis*. Note that the leaf base is short and is not narrowed at the insertion. Also, the plant is hardly robust enough for *C. fragilis*." G.B.S.

C. Shawii Wils., Adrigole (13), July 1925. J.B.D.

C. setifolius Wils., Cwm Bychan (48), July 1913, E.A.R.

C. atrovirens De Not., var. *muticus* Milde, Skipwith Comm. (61), Oct. 1926, W.B. " The leaves are comparatively short and generally devoid of auricles ; also, the nerves are not very wide, often only a third of the width of the leaf. The plant seems to me to be *C. brevipilus*." G.B.S. " The leaf section confirms Mr. Savery's opinion." W.R.S. ; var. *gracilis* Dixon, Ambleside (69), Aug. 1926, E.A.R.

C. introflexus Brid., Kennfell Cliff (1), Apr. 1900, W.E.N. ; Agay, S. France, July 1926, P.W.M.R.

C. brevipilus B. & S., Chewton Comm. (11), July 1926, C.H.B.

Dicranodontium longirostre B. & S., Ingleborough (64), May 1926., C.A. Cooper. " I think this should go under the var. *alpinum*, on account of the robust habit and non-deciduous leaves." G.B.S. ; Buhlen, Berne, Switz., July 1911, c. fr. E.A.R. ; Vassivière, Puy-de-Dome, France, Aug. 1926, P.W.M.R. ; var. *alpinum* Milde, Ingleborough (64), May 1926, A.S.

Dicranum schisti Lindb., Henhole, Cheviot (68), July 1926, leg. J.B.D. & W.C.M., com. W.C.M. ; Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

D. undulatum Ehrh., Klobenstein, Bolzano, N. Italy, June 1926, C.H.B. ; Muzzano, Lugano, Switz., Feb. 1923, P.G.M.R.

D. spurium Hedw., New Forest (11), Aug. 1926, C.H.B.

D. Bergeri Bland, Killinster Moss (109), Aug 1909, D.L. ; Dovrefjeld, Norway, Aug 1909, leg. P. Ewing, com. P.G.M.R.

D. Bonjeani De Not., Orton (69), Sept. 1926, C.H.B. ; Eperlecques Forest, France, Apr. 1918, E.A.R.

D. scoparium Hedw., var. *orthophyllum* Brid., Formby (59), July 1926, E.A.R. " The leaves have blunt, poorly-developed teeth near the apex, and in some cases the teeth are almost obsolete. I think the plant is nearer v. *spadiceum*." G.B.S.

D. Mühlenbeckii B. & S., Merano, N. Italy, May 1926, C.H.B.,

D. fuscescens Turn., var. *falcifolium* Braithw., Ingleborough (64), May 1926, E.A.; var. *congestum* Husn., Grindelwald, Switz., July 1911, E.A.R. "I should call this *D. scoparium*. The leaf point is comparatively broad and the upper cells are porose." G.B.S.

D. Scottianum Turn., Crunwre (45), Nov. 1926, R.J.

D. elongatum Schleich, St. Luc, Valais, Switz., June 1914, P.G.M.R.

D. strictum Schleich, Rothbury (68), Aug 1926, leg. J.B.D. & E.H.S., com. E.H.S.; Bredower Forst, Berlin, Germany, Aug. 1926, L.L.

D. flagellare Hedw., Grattery, Seye, and Say-sur-Saône, Haute Saône, France, May and June 1924, leg. V. Madiot, com. J.C.; Löseback, Fagered, Halland, Sweden, June 1926, C.S.

D. montanum Hedw., Cezais, Vendée, France, Jan. 1914, J.C.; Soprabolzano, N. Italy, June 1926, C.H.B.

D. viride Lindb., Grattery and Seye, Haute Saône, France, Apr. and May 1924, leg. V. Madiot, com J.C.; Bredower Forst, Berlin, Germany, Apr. 1926, L.L.

D. fulvum Hook., Härsared, Fagered, Halland, Sweden, July 1926, C.S.

D. longifolium Ehrh., Wolfsgruben, Bolzano, N. Italy, June 1926, C.H.B.; Chamonix, France, Aug. 1926, c. fr. D.A.J.

D. albicans B. & S., Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

D. robustum Blytt, Sognsvatn in Aker, near Oslo, Norway, (no date), leg. M. N. Blytt & J. N. Norman, com. J.L.

Fissidens exilis Hedw., Ayton Hill (81), Jan. 1926, J.B.D.; Bradley Wood (54) Jan. 1926., G.H.A. "One packet contains *F. incurvus*, which is much larger in all its parts, and has a distinct border to the leaves; also, the capsule is arcuate." G.B.S.; near Grimsby (54), Feb, 1926, G.H.A.

F. viridulus Wahl., Letney & Welton Wood (54) March and Apr. 1926. G.H.A.

F. incurvus Starke, St. Coates (54), March 1925, G.H.A.; Faymoreau and St. Amand-sur-Sèvre, Vendée, France, March 1924, J.C.

F. crassipes Wils., Gaisgill, Orton (69), Oct. 1926, C.H.B.

F. osmundoides Hedw., Ingleton (64), May 1926, W.B.; Hjellbo, Angered, Västergötland, Sweden, Apr. 1926, C.S.

F. serrulatus Brid., Estérel (Var), France, July 1926, P.W.M.R.

F. polyphyllus Wils., Gavarnie, Pyreneès, France, March 1926, C. A. Cooper. "This is a large form of *F. adiantoides*."

The comparatively short, wide leaves with acute, serrate points are typical of that species." G.B.S.

F. adiantoides Hedw., Le Bourg, Vendée, France, March 1911, J.C.

F. decipiens De Not., Reigate (17), Jan 1926, D.G.C. " This is *F. taxifolius*. Note the leaves without marginal bands of paler cells, and also the excurrent nerve." G.B.S.

Octodiceras Julianum Brid., Staines (21*), Sept. 1926, leg. P.W.M.R. & D.G.C., com. D.G.C.; (*Fissidens Julianus* (Lav.) Schp.), La Bruffière-de-Montaigu, Vendée, France, Sept. 1913, J.C.; (*Conomitrium Julianum* Mont), St. Laurent-sur-Sèvre, Vendée, France, Sept. 1926, J.C.

Grimmia apocarpa Hedw., var. *rivularis* W. & M., Bala Lake (48), Sept. 1925, W.N.T.; Richmond (65), June 1897, leg. J.A. Wheldon, det. & com. W.G.T.; "I think that this is merely a form of the type, in which the leaves are without hyaline points. It lacks the elongated stems and broad-pointed leaves of the var. *rivularis*." G.B.S.; var. *gracilis* W. & M. (*G. gracilis* Schleich), Grønnoy, Helgeland, Norway, July 1925, M.J.K. " This gathering is somewhat mixed. Some of the packets contain the var. *gracilis*, and some merely ordinary *G. apocarpa*. The var. can be detected by its smaller size and by the fact that the leaves are scabrous on the back of the nerve." G.B.S.

G. incurva Schwaeg., Titterstone Clee Hill (40), Sept. 1926, H.H.K.

G. torquata Hornsch., Ingleton (64), May 1926, W.B.; Harter Fell (69), Sept. 1903, leg. J.A. Wheldon, com. W.G.T.; Dujpviksfjeldet, Sörfolden, Norway, July 1925, M.J.K.

G. Mühlenbeckii Schp., Skradderestad and Skatvike, Grythyttö, Sweden, Aug. 1926, C.S.

G. decipiens Lindb., Traprain Law (82), June 1925 and Sept. 1926, J.B.D., W.C.M. & E.H.S.; Moel-y-Gêst, Portmadoc (49), Jan. 1926, D.A.J.

G. elaticr B. & S., St. Luc, Valais, Switz., June 1914, P.G.M.R.

G. Hartmani Schp., Ingleton (64), May 1926, W.B. " One packet contains *G. apocarpa*, but the others are correctly labelled." G.B.S.; Lac Pavin (Auvergne), France, July 1926, P.W.M.R.

G. retracta Stirt., Berwyn (50), Dec. 1924, leg. D.A.J. & E. A.R. com. E.A.R.

G. patens B. & S., Craig Mhor, Tyndrum (107), Aug 1888, leg. E. M. Holmes, com. H.A.H.

G. Doniana Sm., Krümmhübel, Riesengebirge, Germany, Aug. 1923, L.L.

G. commutata Hübn., Craig-na-Cailliach (88), July 1905, leg. J. A. Wheldon, and A.W., com. W.G.T. ; Berwyn (50), Jan. 1925, D.A.J.

G. montana B. & S., Traprain Law (82), June 1925 and Sept. 1926, J.B.D., E.H.S. & W.C.M.

G. alpestris Schleich, Chamonix, France, Aug. 1926, D.A.J.

G. leucophaea Grav., Berwyn (50), Jan. 1925, D.A.J. ; Hyères (Var), France, March 1926, C.H.B.

G. atrata Mielich., Am Bennain (88), July 1911, leg. J. A. Wheldon, det. & com. W.G.T. "A short hyaline point is present on some of the leaves of this plant, and the areolation is that of a *Rhacomitrium*. I should name it *R. heterostichum*, var. *gracilescens*." G.B.S.

G. unicolor Hook., Pulliuvuori, Impilahti, Finland, June 1926, M. J.K.

Rhacomitrium aciculare Brid., La Bruffière-de-Montaigu, Vendée, France, Sept. 1911, J.C.

R. protensum Braun, Bala (48), Sept. 1925, W.N.T.

R. heterostichum Brid., Broadmoor (17), Apr. 1926, D.G.C. "This is *Grimmia trichophylla* (apparently new to V.C. 17). The basal areolation is quite different from that of a *Rhacomitrium*." G.B.S. ; forma, Meltham (63), Nov. 1926, c. fr. L.I.S. ; forma, Mont Dore (Puy-de-Dome), France, July 1926, P.W.M.R.

R. canescens Brid., Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

Coscinodon cribrosus Spruce, San Leonardo & Gratz, Merano, N. Italy, May 1926, c.fr., C.H.B.

Hedwigia ciliata Ehrh., Traprain Law (82), Sept. 1926, leg. J.B.D. and W.C.M., com. W.C.M.

H. imberbis Spruce, Traprain Law (82), Sept. 1926, leg. J.B.D., E.H.S. and W.C.M., com. W.C.M.

Acaulon muticum C.M., Betchworth (17), Jan. 1926, E.C.W.

Phascum curvicolle Ehrh., Stroud (33), Feb. 1912, E.J.E. ; Latney (54), March 1926, legg. J.J. Marshall and G.H.A., com. G.H.A.

Pottia Heimii Fürnr., Southease (14), May 1926, W.E.N.

P. Wilsoni B. & S., Hyères (Var.), France, Mch. 1926, C.H.B.

P. minutula Fürnr., Lessness (16), Dec. 1926, St. J.M.

P. caespitosa C.M., near Lewes (14), Feb. 1925, W.E.N.

P. latifolia C.M., var. *pilifera* Schp., Col de Balme, Chamonix, France, Aug. 1926, D.A.J.

Desmatodon latifolius B.E., Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

Tortula lamellata Lindb., Stroud (16), Apr. and Dec. 1926, St. J.M.

T. ambigua Angstr., Grays and Purfleet (18), March 1926. St. J.M.

T. membranifolia Hook., (*Crossidium squamigerum* Jur.) Grasse, S. France, Apr. 1926, C.H.B.

T. aloides DeNot., Berwyn (50), Dec. 1924, E.A.R.

T. atrovirens Lindb., Harlech (48), Nov. 1926, D.A.J.

T. cuneifolia Roth., Hyères (Var.), France, March 1926, c.fr., C.H.B.

T. Vahliana Wils., var. *subflaccida* Lindb., Strood (16), Apr. and Dec. 1926. "This var. is fairly abundant on a made-up chalky bank, not far from the R. Medway. It appears to fruit rarely, but odd fruits were obtained last spring. The seta is rather shorter and the capsule considerably narrower than in the type," St. J.M.

T. marginata Spruce, Grays (18), Spring 1926, c.fr., St. J.M.

T. canescens Mont., Hyères (Var.), France, Feb. 1926, c.fr., C.H.B.

T. mutica Lindb., Staines (21), Sept. 1926, leg. P.W.M.R. and D.G.C., com. D.G.C.

T. alpina, B. and S., Rittnerhorn and Virgl Hill, Bolzano, N. Italy, June 1926, C.H.B.; var. *inermis* De Not., Algund, Meran, N. Italy, May 1926, C.H.B.

T. laevipila Schwaeg., var. *laevipiliformis* Limpr., Portora, Enniskillen (I.33), June 1925, W.N.T.

T. norvegica Wahl., Montreux, Vaud, Switz., May 1911, and Sefinenthal, Bernese Oberland, June 1913, P.G.M.R.

T. princeps DeNot., Knock Glen (I.39), Oct. 1924, W.R.M.

T. papillosa Wils., Grange (I.39), Feb. 1925, W.R.M.; Meran, N. Italy, June 1926, C.H.B.

Barbula lurida Lindb., Godden Green, Sevenoaks (16), Dec. 1904, leg. E.M. Holmes. com. H.A.H.

B. rubella Lindb., var. *ruberrima* Ferg. (*B. ferruginascens* Stirt.), Keswick (69), Oct. 1926, C.H.B.

B. tophacea Mitt., Naburn (62), Apr. 1922, H.S.; Kingsdown (15), Aug. 1925, D.G.C.; Grays (18), Spring 1926, St. J.M.

B. fallax Hedw., Sandburn and Linton Lock (62), Apr. and June 1920, H.S.; Shap Wells (69), Sept. 1926, c.fr., C.H.B.; var. *brevifolia* Schultz, Ingleborough (64), May 1926, leg. H.N.D., com. W.H.B.

B. recurvifolia Schp., Port Stewart (I.40), July 1924, E.A.R. "This is *B. tophacea*." W.E.N.; Formby (59), July 1926, E.A.R. "I make this plant an undeveloped form of *B. vinealis* W.E.N."

B. spadicea Mitt., Doone Valley (4), Sept. 1925, D.G.C. "About half the material is an undeveloped form of *Rhacomitrium aciculare*, while the rest is *Ceratodon purpureus*."

Some of the latter is in fruit with the characteristic capsules of *Ceratodon*," W.E.N.

B. Nicholsoni Culmann, Ladykirk (81), Jan. 1926; Laleham (21*), Sept. 1926; D.G.C.

B. sinuosa Braithw., Stroud (33), Nov. 1910, E.J.E.; Harlech (48), Oct. 1926, D.A.J.

B. gracilis Schwaeg., Braunton Burrows (4), Oct. 1926, L.H.P.; Grasse, S. France, Apr. 1926, c.fr. C.H.B.

B. convoluta Hedw., var. *Sardoia*, B. and S., Gannicot, Stroud (33), Dec. 1911 and May 1914, E.J.E.; Mickleham (17) Dec. 1926, E.E.

B. flavipes, B.E., Meran, N. Italy, May 1926, C.H.B.

B. unguiculata Hedw., forma, Agay (Var), France, July 1926, c.fr. P.W.M.R.

Leptodontium flexifolium Hampe, Wooler (68), Oct. 1926, leg. J.B.D. and W.C.M., com. W.C.M.

Weisia microstoma C.M., Rodborough Comm., Stroud, (34), March 1914, E.J.E. "There is a slight admixture of a peristomate species, apparently *W. viridula*." W.E.N.

W. tortilis C.M., Grasse, S. France, Apr. 1926, C.H.B.

W. crispata C.M., Box Hill (17), Feb. 1925, D.G.C. "One envelope appears to contain the true plant, but the rest contain *W. microstoma*." W.E.N.

W. viridula Hedw., var. *densifolia* B. and S., Malham Cove (64), May 1926, H.N.D.

W. tenuis C.M. (*Gyroweisia tenuis* Schp.), Payré-sur-Vendée France, March 1924, J.C. "These specimens are mixed with a very small form of *Barbula tophacea*, sometimes in fruit. It is a very little larger than the *Gyroweisia*, but may be at once distinguished by the more spreading leaves with a very different areolation." W.E.N.; Contes, Nice, S. France, Apr. 1926, C.H.B.

W. calcarea C.M. (*Gymnostomum calcareum* N. and H.), Payré-sur-Vendée, France, March 1924, J.C.; Contes, Nice S. France, Apr. 1926, C.H.B.

W. curvirostris C.M. (*Hymenostelium curvirostre* Lindb.) Aug. 1926, leg. J.B.D. and W.C.M., com. W.C.M.; Kaafjeldet, Ballangen, Norway, July 1925, c.fr. M.J.K.; var. *commutata* Dixon, Artle Beck Gorge (60), June 1915, A.W.

W. verticillata Brid., Abbeystead (60), Apr. 1902, c.fr. A.W.; Chalford, Stroud (34), July 1908, c.fr. E.J.E.

Trischostomum crispulum Bruch., Eyemouth (81), Apr. 1926 leg. J.B.D. and W.C.M., com. W.C.M.; var. *nigro-viride* Braithw., Southerscales, Ingleton (64), May 1926, J.B.D.; Ingleborough (64), May 1926, E.A.; var. *brevifolium* B. and S.

Dovedale (57*), Aug. 1923, leg. H.N.D., com. A.S.; var. *viridulum* Braithw., Pinhay Cliffs (3), Nov. 1925, leg. H.H.K. and W.E.N., com. W.E.N.

T. hibernicum Dixon, Lenaune, Galway (I. 16), July 1925, J.B.D.

T. flavovirens Bruch., Sunderland Point (60), July 1906, leg. J. A. Wheldon, com. W.G.T.; Hyères (Var) France, March 1926, C.H.B.

T. nitidum Schp., Harlech (48), Oct. 1926, D.A.J.; Cap d'Antibes, S. France, Apr. 1926, leg. D.A.J. and C.H.B., com. C.H.B.; Agay (Var) France, Apr. 1926, C.H.B.

T. tortuosum Dixon, forma, Orton Scar (69), Oct. 1926, C.H.B., det. H.N.D.; Standish Woods, Stroud (33), July 1909, c.fr. E.J.E.; Braemar (92) June 1903, c.fr. leg. E. M. Holmes, com. H.A.H.; var. *fragilifolium* Dixon, Moughton Scar (64), May 1926, leg. H.N.D. and C.A.C., com. A.S.

T. fragile Dixon (*Tortella fragilis* Limpr.), Dupviksfjeldet, Sörfolden, Norway, July 1925, M.J.K.

Timmicella anomala Limpr., Tirolo Castle, Meran, N. Italy, May 1926, C.H.B.

T. Barbula Limpr, Contes, Nice, S. France, Apr. 1926, C.H.B.

Cinclidotus Brebissoni Husn., Stone, Berkeley (34), Jan. 1912, E.J.E.

C. aquaticus B. and S., St. Wolfgang, Upper Austria, Aug. 1908, leg. W.E.N. and H.N.D., com. H.N.D.

C. riparius Arn., Mervent, Vendée, France, Sept. 1924, J.C.

Encalypta vulgaris Hedw., Llandudno (49), Apr. 1926, W.N.T.

E. ciliata Hoffm., Soprabolzano, N. Italy, June 1926, C.H.B.; Suistamo, Karelia ladogensis, Finland, Sept. 1926, c.fr., M.J.K.

E. rhabdocarpa Schwaegr., Djupvik, Sörfolden, Norway, July 1925, c.fr. M.J.K.

E. streptocarpa Hedw., Karersee, Dolomites, N. Italy, June, 1926, c.fr., C.H.B.

Anæctangium compactum Schwaeg., Brown Ghill (69), May 1908, leg. J. A. Wheldon, com. W.G.T.; Craig Cerig Gleisiad (42), July 1926, E.A.

Zygodon Mougeotii B. & S. (*Amphoridium Mougeotii* Schp.) Traprain Law (82), Sept. 1925, leg. J.B.D. and W.C.M., com. W.C.M.; Baveno, L. Maggiore, Italy, Apr. 1912, H.N.D.; Chantonay, Vendée, France, May 1925, J.C.; Compains (Puy-de-Dôme), France, July 1926, P.W.M.R.

Z. viridissimus R. Brown, var. *occidentalis* Malta, Elham

Valley (15), May 1926, St.J.M. ; near Lyme Regis (9), July 1926, St.J.M. "With *Barbula unguiculata*." W.E.N.

Z. gracilis Wils., Clapdale (64), May 1926, leg. C.A.C., com. G.W.

Ulota Ludwigii Brid., Löseback, Fagered, Halland, Sweden, June 1926, C.S.

U. Drummondii Brid., Obbhult, Fagered, Halland, Sweden, June 1926, C.S.

U. vittata Mitt., Correll Glen (I. 33), Apr. 1926, W.R.M.

U. Hutchinsiae Hamm., Falls of Falloch (87), July 1914, J.R.L. ; Tyn-y-groes (48), May 1912, E.A.R. Note :—The plant from Achill Island, distributed last year as *Ulota Hutchinsiae* is considered by Dr. Culmann to be a new species and has been described in the *Revue Bryologique* 1926, p. 21, as *U. Nicholsoni* in honour of our Vice-President. It is separated from *U. Hutchinsiae* by the broad band of hyaline cells along the basal margin of the leaves and by the much larger spores as well as by the marked crisped leaves. It is also distinct from the more closely allied continental *U. curvifolia* in its smooth leaves. It was found growing on rocks, Croagh-haun, Achill Island, July 20th, 1925 by Messrs. Duncan, Knight and Nicholson. Also, gathered on rocks under Slievemore, Achill Island, Aug, 1911, by J. B. Duncan.

Orthotrichum rupestre Schleich, Traprain Law (82), Sept. 1924, E.H.S.

O. cupulatum Hoffm., Crummack Dale (64), May 1926, W.B. "The bulk of this material is correctly named, but in two envelopes, which I have marked, most of the contents are *O. anomalum*, var. *saxatile*." W.E.N.; Ashby, Spilsby (54) Apr. 1926, G.H.A. "I make this plant *O. anomalum* with remarkably short setæ and rather paler capsules than usual. I append a further note on the plant by Mr. Dixon." W.E.N. "I suppose you are right that this is *O. anomalum*. The form of the capsule base and the degree of exsertion are in favour of that. On the other hand the colour of the capsule and the almost or quite naked calyptra are very much more like those features in *O. cupulatum*. I have *O. anomalum* with equally short setæ from Scotland, leg. J. McAndrews, but I have none with such pale capsules, and few or none with the calyptras so consistently hairless." H.N.D.; var. *nudum* Braithw., Malham (64), May 1926, W.B.

O. leiocarpum B. and S., Klobenstein, Bolzano, N. Italy, June 1926, C.H.B.

O. affine Schrad., var. *rivale* Wils., Rothbury (67), Aug. 1926, J.B.D.

- O. Schimperii* Hamm., Annot, S. France, May 1925, C.H.B.
O. pulchellum Smith, Stirkoke (109), May 1913, D.L.
O. obtusifolium Schrad., Soprabolzano, N. Italy, June 1926, C.H.B.
Nanomitrium tenerum Lindb., Le Bourg-sur-La Roche, Vendée. France, Oct. 1925, J.C.
Ephemerum serratum Hampe, Aylesby (54), Jan, 1927. G.H.A.
Physcomitrella patens B. and S., Staines (21), Sept. 1926, leg. P.W.M.R. and D.G.C., com. D.G.C.
Funaria curviseta Lindb., Biôt, S. France, March 1926, D.A.J.
Paludella squarrosa Brid., Birkenwerder, Berlin, Germany, June 1926, L.L.
Aulacomnium turgidum Schwaeg., Craig Mohr (107), Aug. 1888, leg. E. M. Holmes, com. H.A.H.
A. palustre Schwaeg., Lynwode (54), June, 1926, G.H.A.; Greenham Comm. (23), Aug. 1926, L.I.S.; Whitmoor Comm. (17), Apr. 1926, D.G.C.
Timmia austriaca Hedw., Grimentz, Valais, Switz., June 1914, P.G.M.R.; Saas Fée, Switz., Aug. 1922, leg. P.W.M.R., com. A.S. "This was given to me by Mr. Richards as *T. austriaca*, but it seems to me to be *T. bavarica*. The cilia are distinctly appendiculate and the leaf insertions are not red." A.S. "This plant, which is monoicous, is certainly *T. bavarica* as suggested by Mr. Sutton." W.E.N.
T. bavarica Hessel., Gemmi Pass, Valais, Switz., July 1923, P.G.M.R.
Catoscopium nigratum Brid., Holy Island (68), July 1926, leg. J.B.D. and W.C.M., com. W.C.M.
Bartramia Oederi Swartz (*Plagiopus Oederi* Guemb.), Gavarnie, Hautes Pyrenées, France, July 1909, J.C.; Skatviken, Grythytte, Sweden, Aug. 1925, C.S.; Craig Cerig Gleisiad (42), July, 1926, E.A.
B. stricta Brid., c.fr. Valluaris, S. France, May 1926, D.A.J.
B. pomiformis Hedw., var. *crispa* B and S., Upper Teesdale (66), Aug. 1926, J.B.D.; Besse-en-Chandesse (Auvergne), France, July 1926, P.W.M.R.
B. Halleriana Hedw., Longsliddale (69), July 1904, A.W.
Philonotis marchica Brid., Buch, near Berlin, Germany, July 1906, leg. Osterwald, com. L.L.
P. caespitosa Wils., Snowdon (49), Aug. 1924, D.G.C. "A much stronger plant than *P. caespitosa*. The plicate leaves with revolute margins agree with *P. fontana*." D.A.J.
P. Osterwaldii Warnst., near Buch, Berlin, (*locus classicus*), Apr. 1905, leg. Osterwald, com. L.L.

P. seriata Lindb., Nedre Svärdet, Pitea Lappmark, Sweden, July 1925, C.S.; Col de Balme, Chamonix, France, Aug. 1926, c.fr., D.A.J.

P. calcarea Schp., Campiglio, Austria, June 1925, leg. Dr. Grierson, com. G.H.A.; Gavarnie, Pyrenees, France, March 1926, C. A. Cooper. "Probably correct, but there are no male bracts." D.A.J.

P. capillaris Lindb., Hjellbo, Angared, Sweden, Apr. 1926, C.S. "I do not think this is *P. capillaris*. The leaves are most frequently plane-margined, but quite often the margins are recurved. The flowers are all female, and therefore do not aid in the identification. It appears to me an entirely abnormal growth of *P. fontana*." H.N.D.

Orthodontium gracile Schwaeg., var. *heterocarpum* Wats., Greenfield (63), on rocks, Aug. 1926, c.fr., W.W.; Meltham (63), Nov. 1926, L.I.S.

Webera nutans Hedw., var. *longiseta* B and S., Skipwith Comm., (61), Apr. 1921, H.S., "Approaching the var." D.A.J. (*Pohlia nutans* Lindb.) var. *sphagnetorum* Schp., Perleberg, Brandenburg, Germany, July 1919, J.W.

W. annotina Schwaeg., var. *bulbifera* Correns, Tiptree Heath (19), Spring 1926, St.J.M.

W. Ludwigi Schp., Ben Vane (99), July 1905, J.R.L.; St. Luc, Valais, Switz, July, 1912, P.G.M.R.

W. gracilis De Not., Zinal, Valais, Switz., July, 1926, P.G.M.R.

W. carnea Schp., Grays (18), Apr. 1926, c.fr. St.J.M.

W. albicans Schp., Tillingbourne (17), Apr. 1926, E.C.W. "The cells are too small and the nerve is often excurrent. The stems are curved at the tips and the leaves are homomalous, not plicate, with the margins plane. It belongs to *Philonotis caespitosa*." D.A.J. (Apparently a new record for V.C. 17); var. *gracilis* Schp., Twll Du (49), Aug. 1912, E.A.R. "Approaching the var., but the leaves are too narrow." D.A.J.

W. Tozeri Schp., Hastings and Guestling (14), Apr. 1899, c.fr., leg. E. M. Holmes, com. H.A.H.

Bryum calophyllum R.Br., Sandhills near Southport (59), Apr. 1926, E.H.S. "This is a sterile *Bryum* and may be correctly named. The leaves however in some respects resemble sandhill forms of the variable *B. pallens*." D.A.J.

B. inclinatum Bland., Lauberhorn, Switz., July 1911, E.A.R. "According to Dr. Amann, this form represents a var. *compactum*, exactly parallel to the var. *compactum* of *B. pendulum*." E.A.R. "This seems to me to differ very slightly indeed from the normal form." H.N.D.; Estérel (Var), France, July 1926, P.W.M.R. "A handsome sterile

plant in interrupted tufts like *B. inclinatum*, to which it may belong. Archegonia only have been found, which makes it rather difficult to distinguish it from *B. pseudotriquetrum*." D.A.J.

B. pallens Sw., Esbo, Nyland, Finland, July 1921, V.F.B. ; var. *speciosum* Schp., Snowdon (49), Aug. 1924, D.G.C. " This is nearer the type. A similar form was distributed in 1925 from the same locality. See Report 1925, p. 150." D.A.J.

B. Duvalii Voit, Howgill Fells, Sedburgh (65), May 1926, A.W.

B. turbinatum Schwaeg., var. *latifolium* B. and S., St. Luc, Valais, Switz, July 1912, P.G.M.R.; Col de Balme, Chamonix, France, Sept. 1926, D.A.J.

B. neodamense Itzigs, near Southport (59), Apr. 1926, E.H.S.

B. bimum Schreb., Naburn (62), June 1918, H.S. " In the absence of inflorescence it is not possible to identify this plant with certainty." D.A.J.

B. affine Lindb., var. *cirratum* Braithw., (*B. cirratum* H.H.), Esbo, Nyland, Finland, July 1921, V.F.B.; Merano, N. Italy, June 1926, C.H.B.

B. provinciale Philib., Agay (Var), France, Apr. 1926, C.H.B.

B. Donianum Grev., Vouvent, Vendée, France, Jan. 1914, J.C.

B. atropurpureum W. and M., Wainfleet (54), Apr. 1926, G.H.A., Le Bourg-sur-La Roche, Vendée, France, March 1911, J.C.

B. murale Wils., Six-mile Cross (I. 36), June 1915, W.R.M. ; Stroud (33), May 1914, E.J.E.

B. alpinum Huds., var. *meridionale* Schp., Maurette Mts., Hèyres (Var), France, March 1926, C.H.B. ; Estérel (Var), France, July 1926, P.W.M.R. " This beautiful plant in fruit is typical *B. alpinum*." D.A.J.

B. gemmiparum De Not., Agay (Var), France, March 1926, C.H.B.

B. Mildeanum Jur., Merano, N. Italy, May, 1926, C.H.B.

Mnium affine Bland, var. *elatum* B. & S. (*M. Seligeri* Jur.) Lienewitz, Berlin, Germany, June 1923. " If this is the true *M. Seligeri* it strengthens my view that it is inseparable from *M. affine*. The marginal teeth are often two-celled and are quite spinulose. According to Limpricht, they should be one-celled, short, obtuse. I should have referred it to *M. affine*, var. *clatum*." H.N.D. ; var. *rugicum* B. and S. (*M. rugicum* Laur.), Biesserthal, Berlin, Germany, L.L. " The leaves are quite distinctly toothed, the teeth frequently spinulose and a

not rarely two-celled. It is what we should call here fairly ordinary *M. affine*. Herr Loeske has, however, sent some notes on the continental forms which it is intended to publish in next year's Report." H.N.D.

M. cuspidatum Hedw., Rothbury (67), Aug. 1926, J.B.D.; Selsley near Stroud (34), Apr. 1915, E.J.E. "This is *M. serratum*." D.A.J.

M. rostratum Schrad., Faymoreau, Vendée, France, March 1924, J.C.

M. medium B.E., Esbo, Nyland, Finland, July 1921, V.F.B.

M. orthorrhynchum B. and S., Ingleborough (64), May 1926, J.B.D.; Djupvik, Sörfolden, Norway, July 1925, M.J.K.

M. lycopodioides Hook., Norv. Dovre, Kongsvold, July 1880, leg. O. L. Sillén, det. Hagen, comm. V. F. Brotherus. "Although there is some variation in the size of the cells, I am inclined to think that this should be referred to *Mn. Orthorrhynchum*. The cell-walls generally are thinner in *Mn. lycopodioides*, but they are distinctly thickened at the angles." W.E.N. Also, Cam Creag, Killin (88), Aug. 1909, leg. Knight, Duncan and Jones, distributed in 1924—5. "This, also, belongs to *Mn. orthorrhynchum* according to Mr. Nicholson, and I quite agree, in spite of the rather larger cells. I find the leaves in the latter more decidedly crisped." D.A.J.

M. spinosum Schwaeg., Djupvik, Sörfolden, Norway, July 1925, M.J.K.; Mürren, Switz, Aug. 1925, c.fr., leg. Mary W. Sutton, com. A.S.

M. cinclidoides Hübn., Lily Loch, Kilpatrick Hills (99), June 1920, J.R.L.

M. punctatum L., Eglingham (68), Sept. 1926, leg. J.B.D. and W.C.M., com. W.C.M.

M. subglobosum B. & S., Blae Loch (75), Apr. 1922, J.R.L.; Varel, Oldenburg, Germany, Apr. 1925, leg. Fr. Müller, com. L.L.

Cinclidium stygium Swartz, Orton (69), Sept. 1926, C.H.B.; Wahlbo, Gastrikeland, Sweden, July 1837, c.fr., leg. O. E. Sillén, com. V.F.B.

C. arcticum C.M., subsp. *virescens* Kindb., Kongsvold, Dovre, Norway, July, 1883, leg. N.C. Kindberg, com. V.F.B.

C. hymenophyllum Lindb., Djupvik, Sörfolden, Norway, July 1925, M.J.K. "There is a considerable mixture of *Orthothecium chryseum*, but it is not likely to cause any confusion. *C. hymenophyllum* is clearly congeneric with *Mnium hymenophylloides* and Mr. Dixon has brought forward some

very solid reasons for considering the two plants to belong to the same species. It is a little unfortunate therefore to refer them to different genera." W.E.N.

Fontinalis antipyretica L., Carshalton (17), Oct. 1926, Male infl., E.C.W.; var. *laxa*, Milde, Malham Cove (64), May 1926, W.B.; also leg. H.N.D., com. A.S.

F. dichelymoides Lindb., in flumine Kemijoki, Tervola, Finland, July, 1925, M.J.K.

Cryphaea heteromalla Mohr, Lyme Regis (9), July 1926, St. J.M.; var. *aquatilis* C.M. (*C. Lamyana* Mont. teste W.E.N.), La Bruffière-de-Montaigu, Vendée, France, Sept. 1913, J.C.

Neckera pennata Hedw., Posieux, Fribourg, Switz., Feb. 1921, P.G.M.R.

N. crispa Hedw., Gavarnie, Hautes Pyrénées, July 1909, and St. Philibert-du-Pont Charrault, Vendée, France, May 1914, J.C.; var. *falcata* Boul., Craig Cerig Gleisiad, Brecon (42*), July 1926, E.A.

N. pumila Hedw., Invarardran (88), July 1914, J.R.L.; Brockenhurst (11), Aug. 1926, C.B.H.; Avrillé, Vendée, France, March 1914, J.C.; var. *Philippeana* Milde, Belstone (4), July 1924, leg. W.R.S., com E.E. "Not marked enough for the variety." D.A.J.

N. complanata Hübn., flagellate form, Kinloch Rannoch (88), July 1910, A.W.

N. Besseri Jur., Vellan Gorge, Merano, N. Italy, May 1926, C.H.B.; Tohmajarvi and Suistamo, Karelia, Finland, June and September 1926, M.J.K.

Homalia trichomanoides B. and S., Aylesby (54), 1913, leg. J. J. Marshall and G.H.A., com. G.H.A.; Feymoreau, Vendée, France, March 1924.

Hookeria lætevirens H. and T., near Penzance (1), July 1926, C.H.B.

Pterygophyllum lucens Brid., Dampierre, Vendée, France, March 1911, J.C.

Leucodon sciuroides Schwaeg., var. *morensis* B. and S., near Dorking (17), Jan. 1926. "Too slender for the variety." D.A.J.; Agay (Var), France, July 1926, P.W.M.R.

Pterogonium gracile Swartz, Ingleton (64), May 1926, W.B.; (*Pt. ornithopodioides* Lindb.), Menomblet, Vendée, France, March 1924, J.C.

Habrodon Notarisii Schp., Grasse, S. France, April 1926, C.H.B.

Antitrichia curtipendula Brid., Vouvant, Vendée, France, Oct. 1913, J.C.; var. *minor* Boul., Dädingen, Fribourg, Switz., June 1926, P.G.M.R.

Fabronia pusilla Raddi, Grasse, S. France, April 1926, C.H.E.

F. octoblepharis Schw., Vellan Gorge, Merano, N. Italy, May 1926, C.H.B.

Porotrichum alopecurum Mitt., Bradley Wood (54), Jan. 1919, c.fr., G.H.A.

Myurella julacea B. and S., St. Luc, Valais, Switz., July 1912, P.G.M.R. ; var. *scabrifolia* Lindb., Zillis, Graubünden, Switz., June 1925, P.W.M.R. "The margin in some of the leaves is rather more denticulate than usual, but otherwise it agrees with the type." D.A.J.

Leskea polycarpa Ehrh., Linton Lock (62), June 1920, H.S. "This is *Hypnum palustre*." D.A.J.

L. nervosa Myr., Gullakra, Västergötland, Sweden, Oct. 1925, C.S. ; Merano, N. Italy, June 1926, C.H.B. ; Chamonix, France, Aug. 1926, D.A.J.

Anomodon longifolius Hartm., Skatviken, Västmanland, Sweden, Aug. 1925., C.S. ; Montreux, Switz., May 1911, P.G.M.R.

A. attenuatus Hüb., Merano, N. Italy, May, 1926, C.H.B.

A. viticulosus H. and T., Payré-sur-Vendée, France, March 1924, c.fr., J.C.

A. rostratus Schp., Vellan Gorge, Merano, N. Italy (*locus classicus*), May 1926, C.H.B., det. H.N.D.

Heterocladium dimorphum B. and S., St. Luc, Valais, Switz., July 1912, P.G.M.R. ; Soprabolzano, N. Italy, June 1926, C.H.B. ; var. *compactum* Mol., Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

Pseudoleskea atrovirens B. and S., Merano, N. Italy, May 1926, C.H.B. ; (*P. filamentosa* (Dicks. Broth.), Djupvik, Sörfolden, Norway, July 1925, M.J.K. " *P. atrovirens*, var. *filamentosa* Boul." D.A.J.

P. catenulata B. and S., Bolzano, N. Italy, June 1926, C.H.B. ; Champéry, Valais, Switz., May 1911, P.G.M.R. ; (*Leskea catenulata* (Brid., Mitt.), Skatviken, Västmanland, Sweden, Aug. 1925, C.S.

Thuidium abietinum B. and S., Magilligan (I. 40), Aug. 1926, W.R.M.

T. hystricosum Mitt., Detling (16), Aug. 1926, L.I.S.

T. delicatulum Mitt., Easedale (69), Oct. 1926, C.H.B. ; Welton Wood (54), April 1926, G.H.A. "This agrees with *T. Philiberti*." D.A.J.

T. recognitum Lindb., Southerscales (64), May 1926, J.B.D. ; Orton Scar (69), Sept. and Oct. 1926, C.B.H.

T. Philiberti Limpr., Say-sur-Saône, France, June 1924, leg. V. Madiot, com., J.C. ; var. *pseudotamarisci* Ryan and Hag., St., Michel-le-Rancq., Vendée, France, April 1924, J.C.

Platygyrium repens B. and S., Merano, N. Italy, May 1926, C.H.B.

Cylindrothecium concinnum Schp., Malham (64), May 1926, J.R.L.

Entodon Schleicheri B. and S., Bolzano, N. Italy, June 1926, C.H.B.

Myurium hebridarum Schp., Tarbert, Harris (110), Aug. 1902, leg. W. West and A.W., com. A.W.

Pylaisia polyantha B. and S., Merano, N. Italy, May 1926, C.H.B.

Orthothecium rufescens B. and S., Ben Laoigh (88), July 1903, J.R.L. ; Penyghent (64), Aug. 1904, A.W. ; Djupvik, Sörfolden, Norway, July 1925, M.J.K.

O. intricatum B. and S., Karersee, Dolomites, N. Italy, June 1926, C.H.B.

O. Durieui (Mont.) Besch., Estérel (Var), France, July 1926, P.W.M.R. " This seems to be the plant described under this name, but it seems to me very doubtful whether it is properly referred to the genus *Orthothecium*. It might equally well belong to *Hypnum* (*Campylium*), or to *Eurhynchium* or *Brachythecium*. I could only find a few female flowers, and in the absence of fruit which has not, I believe, been found it is difficult to determine its exact systematic position." W.E.N

Camptothecium lutescens B. and S., Radersdorfer, Berlin, Feb. 1926, c.fr., L.L.

C. nitens Schp., Cartington (68), Nov. 1926, E.H.S.

Brachythecium plicatum B. and S., Chasseron, Jura, Switz., July 1920, P.G.M.R.

B. glareosum B. and S. Rothbury (68), Dec. 1926, E.H.S. ; King Stanley (34), Jan. 1907, c.fr., E.J.E.

B. erythrorrhizon B. and S., Suistamo, Karelia, Finland, Sept. 1926, M.J.K.

B. rivulare B. and S., Elham Valley, near Folkestone (15*), May 1926, St.J.M.

B. glaciale B. and S. The plant from Sörfolden, Norway, sent in last year by Dr. Kotilainen and referred to in last year's Report (p. 226) under this name has since been identified by Herr Loeske as *Hygrohypnum styriacum* (Limpr.) Broth., a plant new to Norway.

B. reflexum B. and S., Dent de Merdasson, Valais, Switz., July 1912, P.G.M.R.

B. velutinum B. and S., Askham Bog (64), June 1922, H.S.
B. curtum S. O. Lindb., Bredower Forst, Berlin, Germany, Sept. 1926, L.L.

B. plumosum B. and S., Rothbury (68), Oct. 1926, E.H.S.
B. caespitosum Dixon, Barcombe (14), Dec. 1925, c.fr., W.E.N.

B. illecebrum De Not., Lizard (1), Nov. 1924, leg. H.H.K. and W.E.N., com. W.E.N.

Hyocomium flagellare B. and S., Rothbury (68), Sept. 1926, E.H.S.; Worth Forest (14), Apr. 1926, E.C.W.

Eurhynchium cirrosum Jur., Karersee, Dolomites, N. Italy, June 1926, C.H.B.; (*Cirriphyllum cirrosum* (Schwaeg.) Grout, *Myurium herjedalicum*), Borselv in Finnmark, Norway, July 1894, leg. Ch. Kaurin, com. J.L.

E. crassinervium B. & S., Polehill (16), Dec. 1901, c.fr., leg. E. M. Holmes, com. H.A.H.; La Caillière, Vendée, France, Sept. 1913, J.C.; var., *turgescens* Mol., Ingleton (64), May 1926, J.B.D.

E. speciosum Schp., near Lewes (14), Nov. 1907, W.E.N.

E. praelongum Hobk., Formby (59), May 1908, leg. J.A. Wheldon, com. W.G.T.; var. *Stokesii* Brid. (*E. Stokesii* Turn. sensu Limpr.), Finkenkrug, Berlin, May 1926, L.L.; Elham Valley, Folkestone (15), May 1926, St.J.M. "Probably this may pass for the variety." D.A.J. "Yes." H.N.D.

E. Swartzii Hobk. (*Oxyrrhynchium Swartzii* (Turn. Warns), Redescesio, Milan, Italy, Jan. 1899, leg. A. Arteria, com. J.W. var. *rigidum* Boul., Grasse and Laveno, S. France, Apr. 1926, C.H.B.; Twizel (68), Apr. 1926, J.B.D.

E. abbreviatum Schp., Pen Wood near Stroud (34), March 1889, E.J.E.

E. Teesdalei Schp., Chapel-le-Dale (64), May 1926, J.R.L.

E. tenellum Milde, St. Issel's, near Tenby (45), Apr. 1925, c.fr., W.N.T.

E. myurum Dixon, Little Ludford (24), March 1920, leg. J. J. Marshall, com. G.H.A.; Nantcol, Llanbedr (49), Aug. 1925, leg. D.A.J. and P.G.M.R., com. P.G.M.R.

E. circinatum B. and S., Tenby and Manorbier Castle (45), Apr. 1925, W.N.T.; L'Ile d'Elle and Ile d'Yeu, Vendée, France, April and May 1909, J.C.; Benêt, Vendée, France, Apr. 1911, J.C.; Cap d'Antibes, S. France, Apr. 1926, D.A.J.

E. strigosum B. and S., Karersee, Dolomites, N. Italy, June 1926, c.fr., C.H.B.; var. *diversifolium* Lindb., St. Luc, Valais, Switz., June 1914, P.G.M.R.

E. meridionale De Not., Costabelle, Hyères, S. France, Feb. 1926, C.H.B.

E. striatulum B. and S., Brockley Combe (6), Nov. 1926, c.fr., leg. C.H.B. and I.M.R., com. I.M.R.; Grasse, S. France, Apr. 1926, C.H.B.

E. rusciforme Milde, var. *alopecuroides* Brid., Irfon, Aber-gwesyn (42), July 1926, W.E.N. and H.H.K.; var. *atlanticum* Brid., Ingleton (64), May 1926, W.B.

E. murale Milde, var. *julaceum* B. and S., Chalford, Stroud, (34), July 1907, E.J.E. "May be passed as this variety." J.B.D.

E. megalopolitanum Milde, Hyères and Pardigon, S. France, Feb. 1926, C.H.B.

Scorpiurium rivale Schp., La Bruffière-de-Montaigu, Vendée, France, Sept. 1913, J.C. "This is in a sense correctly named, but I much prefer to call this plant *Eurhynchium circinatum* B. & S., var. *deflexifolium* Boul. Many years ago in Majorca I had the opportunity of studying this plant where it grew freely. The upper part of a high wall was covered with typical *E. circinatum* which passed gradually into well-marked var. *deflexifolium* on the lower portion of the wall which was liable to frequent submergence in a stream, and the characterization of the variety was in exact proportion to the degree of submergence which the plant received. It seems unreasonable to place in a different genus a form of a well-known plant which is directly due to the circumstances under which it grows." W.E.N.

Sematophyllum micans Braithw., Cromaglow, Killarney, Ireland, Aug. 1905, leg. D.A.J. and J.B.D., com. H.N.D.; var. *badense* Hertzog, Nantcol Ravine (48), Aug. 1925, D.A.J.

Plagiothecium silesiacum B. and S., Soprabolzano, N. Italy, June 1926, c.fr., C.H.B.

P. Mühlenbeckii B. and S. (*P. striatellum* (Brid.) Lindb., Tanum, Bohuslän, Sweden, (no date), leg. H. Thadenius, com. V.F.B.

P. denticulatum B. and S., Chantonay, Vendée, France, May 1914, J.C.

P. Roeseanum B. & S., Merano, N. Italy, May 1926, C.H.B.

P. silvaticum B. & S., Sandburn (62), Apr. 1920, H.S. "The leaves are glossy, capsule striate and plant monoicous. It is *P. denticulatum*." J.B.D.; var. *Sullivantiae* Spruce, Esschen, Belgium, Apr. 1923, J.H. "I cannot see any of the varietal characters. I would say it is type." J.B.D. "Yes, type. The var. *Sullivantiae* has the leaves very concave, not complanate, so that the branches are more or less catkin-like." H.N.D.

P. latebricola B. and S., Bredwardine (35), Aug. 1926, C.H.B.

Amblystegium Sprucei B. and S., Merano, N. Italy, May 1926, C.H.B.

A. compactum Aust., Berwick (68), Oct. 1926, J.B.D.; by R. Blackadder (81), Oct. 1926, leg. J.B.D. and W.C.M., com. W.C.M.

A. serpens B. and S., var. *salinum* Carr., Holy Island (68), June 1926, J.B.D.; Formby, (59), Dec. 1905, leg. J. A. Wheldon, det. & com. W.G.T., "This is *A. serpens*, but it does not appear to be the slender form described as var. *salinum*." J.B.D. "This is perhaps the same plant as that distributed in 1900 and discussed at length in Report for 1901, p. 102." H.N.D.

A. varium Lindb., Linton Lock (62), June 1920, H.S. "This is *A. fluviatile*, a plant of a very different habit." J.B.D.

A. irriguum B. and S., R. Eye, near Eyton (81), Nov. 1925, J.B.D.; Carshalton (17), Apr. 1926, E.C.W. "Leaves finely acuminate and nerve excurrent. This is certainly *A. filicinum*." J.B.D.

A. fluviatile B. and S., Shap Wells (69), Sept. 1926, C.H.B.

A. filicinum De Not., var. *Vallisclausae* Dixon, Clevedon (6), Sept. 1899, E.J.E. "This is type." J.B.D.; Sapperton, Stroud, (33), (no date), E.J.E. "Correct." J.B.D.; Kingsthorp (32), Apr. 1893, H.N.D.; Daneway, near Stroud (33), 1895, leg. E.J.E., com. H.N.D.; var. *trichodes* Brid., Eye-mouth (81), Apr. 1926, leg. J.B.D. and W.C.M., com. W.C.M.; Skelmorlie Glen (75), April 1926, leg. R. Grierson, com. J.R.L.; var. *gracilescens* Schp., North Berwick, July 1897, H.N.D.; Treshope Burn, Yorks, July 1898, leg. W. Ingham, com. H.N.D.; var. *Whiteheadii* Wheld., St. Anne's (60), June 1899, leg. J. A. Wheldon, com. H.N.D.

Hypnum riparium L. (*Amblystegium riparium* B. E.), var. *longifolium* Schp., Wittenberge, Brandenburg, Germany, April 1906, J.W.

H. elodes Spruce, Loch Duich (105), July 1883, H.N.D.; Malham Tarn (64), July 1896, H.N.D.; Caldecote Fen (28), April 1910, leg. W.H.B., com. H.N.D.; Magilligan Sandhills (I. 40), Aug. 1913, leg., J. A. Houston and C. H. Waddell, com. H.N.D.

H. polygamum Schp., Holy Island (68), July 1926, leg. J.B.D. and W.C.M., com. W.C.M.; Southport (59), March 1898, leg. J. A. Wheldon, com. H.N.D. "Small form growing in compact erect tufts." J.A.W.; Pondleigh, Cuckfield (13), May 1900, leg. W.E.N., com. H.N.D.; var. *stagnatum* Wils., Rainford Junc. (59), Aug. 1924, leg. J. A. Wheldon, com. W.G.T.; Southport (59), June 1883, leg. C. J. Wild,

ex herb. W. Boswell, com. H.N.D.; Skipwith Comm. (64), March 1897, leg. W. Ingham, com. H.N.D.; Ashdown Forest (14), July 1900, c.fr., leg. W.E.N. com. H.N.D.

H. stellatum Schreb., Clydach Valley (35), (no date), ex herb. W. Mitten, com. H.N.D.; Ben Ledi (88), July 1897, H.N.D.; Allt nan Uamh, Sutherland, July 1899, c.fr., leg. E. S. Salmon, H.N.D. and W.E.N., com. H.N.D., "Slender erect form." H.N.D.; var., *protensum* Röhl., Purfleet (18), April, 1926, St. J.M.

H. chrysophyllum Brid., Banstead Downs (17), Jan. 1926, leg. E.C.W. and D.G.C., com. D.G.C. X ✓

H. hispidulum Brid., var. *Sommerfeltii* Myr., Kingscliff (32), April 1897, H.N.D.; Brackley (32), Sept. 1899, c.fr., H.N.D.; Meran, N. Italy, May 1926, c.fr., C.H.B.

H. Halleri L. fil., Ben Lawers (88), July 1893, H.N.D.; Karersee, Dolomites, N. Italy, June 1926, C.H.B.

H. capillifolium Warnst., (*Drepanocladus capillifolius* Warnst.), var. *falcatus* Warnst., Grünhagen, Ostpreussen, Germany, Sept. 1912, leg. Dietzow, com. J.W.

H. aduncum Hedw., (*Drepanocladus aduncus*), Jerkin, Dovre, Norway, Aug. 1880, leg. O. L. Sillén, com. V.F.B.; Ainsdale (59), July 1924, leg. J. A. Wheldon, com. W.G.T. "This belongs to *Gr. typicum*." W.R.S.; *Gr. typicum* Ren., Saffron Walden (19), Spring 1926, St. J.M.; forme passant à la var. *Kneiffii* Schp., Merxem, Belgium, July 1918, J.H. "This belongs to the *Gr. typicum*." W.R.S.; *Gr. Kneiffii* Ren. (*Drepanocladus Kneiffii* Warnst.), Grünhagen, Ostpreussen, Germany, Sept. 1912, leg. Dietzow, com. J.W.; (*Drepanocladus tenue*, var. *falcatum* Warnst.), Samrodt, Ostpreussen, Germany, Sept. 1913, leg. Dietzow, com. J.W. "Yes, *H. aduncum*, v. *polycarpon*, f. *gracilescens*, s.f. *tenuis*, See Mönkemeyer, Die Süßwasserflora, Heft. 14. p. 134." W.R.S.; var. *polycarpon* Bland., Deurne, Belgium, Sept. 1919, J.H.; var. *intermedium* Schp., Whitmore Comm. (17), April 1926, D.G.C. "This is *H. fluitans*, a form near v. *submersum* Schp." W.R.S.; f. *penna* Sanio, Bois de Ranst, Belgium, Aug. 1923, J.H. "This belongs to *Gr. pseudofluitans*" W.R.S.; f. *subnitens* Wheld. MS., Holton (23), P.G.M.R., det. J. A. Wheldon. "I do not know Wheldon's f. *subnitens*." W.R.S.; var. *paternum* Sanio, Whitmore Comm. (17), April 1926, D.G.C. "This is *H. fluitans*, a form near v. *submersum* Schp." W.R.S.; (*Drepanocladus pseudofluitans* Warnst.), Grünhagen, Ostpreussen, June 1913, leg. Dietzow, com. J.W.; var. *flexile* Ren., Stabroek, (Anvers), Belgium, May 1926. "This is v. *intermedium*, near f. *laxifolium*." W.R.S.; var. *pseudosendtneri* R. and L., Braunton (4), June 1914, W.W.

H. Sendtneri Schp., f. *trivialis* Sanio, Oeleghem, Belgium, May 1925, J.H.

H. Wilsoni Schp., Ross Links (68), July 1926, J.B.D. and W.C.M.

H. lycopodioides Schwaeg., Formby (59), April 1907, leg. J. A. Wheldon, com. W.G.T.; Oeleghem, Belgium, May 1925, J.H.; Ainsdale Beach (59), April 1926, E.H.S.

H. fluitans L., forme intermediaire entre v. *Jeanbernati* Ren. et v. *gracile* Boul., Schilde, Belgium, Oct. 1925. "I should call this a form of v. *gracile* approaching f. *laxifolium*." W.R.S.; var. *Jeanbernati* Ren., Westmalle, Belgium, Oct. 1924, J.H. "This is *H. exannulatum*." W.R.S.; var. *gracilis* Boul., Belstone (4), July 1924, leg. W.R.S., det. J. A. Wheldon, com. E.E.; Freiwalde, Ostpreussen, Sept. 1913, leg. Dietzow, com. J.W.; Franche Heide, Capellen, Belgium, Dec. 1924, J.H. "Yes, near f. *laxifolium*." W.R.S.; var. *falcatum* Schp., Whitmore Comm. (17), April 1926. "This is Gr. *amphibium* near v. *Jeanbernati*." W.S.R.; var. *pseudogracile* Van den Broeck, Brecht (Anvers), Belgium, Feb. 1925, J.H.; (*Warnstorfia fluitans*, var. *pseudostraminea* Warnst.), Whitmore Comm. (17), April 1926, D.G.C. "This is *H. exannulatum*." W.R.S.

H. exannulatum Gämbl. (*Drepanocladus exannulatus*, Warnst.), Neukloster, Meckl. Schwerin, Germany, Dec. 1907 and May 1908, leg. Hahn, com. J.W. "The May gathering is near f. *stenophylloides*." W.R.S.; forma, Ben Nevis (97), July 1912, E.A.R. "A form growing on dry rocky ground near the summit. I have not seen a similar plant and do not know if it belongs to one of the named varieties, but it seems nearest to var. *brachydictyon*. Mr. Sherrin calls it a most unusual form." E.A.R.; Black Pond, Esher (17), Dec. 1926, D.G.C. "This is *H. fluitans*, a form near the var. *Jeanbernati*. It seems to be depressed, through drought." W.R.S.; (*H. Rota* De Not., var. *falcifolium* Ren.), Cappellen, Belgium, May 1926, J.H. "This may be correct, but it is difficult to say. The plant is badly affected by drought." W.R.S.; var. *pinnatum* Boul., Brecht (Anvers), Belgium, Dec. 1925, J.H.

H. uncinatum Hedw., Ben Lawers (88), July 1893, H.N.D.; Aira Force, Ullswater (70), July 1891, H.N.D.; (*Drepanocladus uncinatus* Warnst., var. *plumosum* Schp.), Neukloster, Meckl. Schwerin, Germany, July 1907, leg. Hahn, com. J.W.

H. vernicosum Lindb. (*Drepanocladus vernicosus* Warnst.), Blae Loch (75), April 1926, J.R.L.; Neukloster, Meckl. Schwerin, Germany, Oct. 1907, leg. Hahn, com. J.W.

H. revolvens Swartz, Rothbury (67), Dec. 1926, E.H.S. "This is *H. falcatum*." W.R.S.

H. intermedium Lindb. (*Drepanocladus intermedium* Warnst.), Neukloster, Meckl. Schwerin, Germany, leg. Hahn, com. J.W.

H. commutatum Hedw., Lodore Falls (70), Aug. 1895, H.N.D.; Ingleton (64), Aug. 1896, H.N.D.; Ben Ledi (88), July 1897, H.N.D.; Roade (32), Sept, 1897, H.N.D.

H. falcatum Brid., Inchnadamph, Sutherland, July 1899, leg. E. S. Salmon, W.E.N. and H.N.D., com. H.N.D.; var. *virescens* Schp., Austwick (64), May 1926, W.B.; Malham (64) (no date), *ex herb* W. Mitten, com. H.N.D.

H. incurvatum Schrad., Merano and Bolzano, N. Italy, May and June 1926, C.H.B.

H. fastigiatum Hartm., Karersee, Dolomites, N. Italy, June 1926, C.H.B.

H. cupressiforme L., var. *filiforme* Brid., North Wood (81), Oct. 1926, J.B.D.; var. *minus* Wils. Watten (109), Oct 1906, leg. D.L., com. H.N.D.; var. *mamillatum* Brid., Killarney, June 1896, leg. C.H.B., com. H.N.D.; var. *elatum* B. and S., Totland Bay (10), Aug. 1899, H.N.D.; Kingsdown (15), July 1919, St. J.M.

H. imponens Hedw., Strensall Comm. (61), June 1897, leg. W. Ingham, com. H.N.D.; Corbet (I. 38), April 1907, leg. J. H. Davies, com. H.N.D.; New Forest (11), Aug. 1926, C.H.B.; Wisley Comm. (17), Sept. 1926, D.G.C. "The last has not the habit, colour, or distinctive paraphyllia of *H. imponens*. I should say it is *H. cupressiforme*, var. *ericetorum*." J.B.D. "Undoubtedly *H. cupr.* v. *ericetorum*, but it is one of the forms that indicate the doubtful value of *H. imponens* as a species." H.N.D.

H. Patientiae Lindb., Borrowdale (70), Aug. 1895, H.N.D.

H. revolutum Lindb., Vaarstien in Opdal, Dovre, Norway, July 1904, leg. E. Ryan, com. J.L. "Nerve short but stout at the base, auricles large and orange coloured. This is *H. sulcatum*." J.B.D.; Rittnerhorn, Bolzano, N. Italy, June 1926, C.H.B.

H. hamulosum B. and S., Queen's Drive, Braemar (92), June 1903, leg. E. M. Holmes, com. H.A.H. "The auricles cannot be said to be distinct, but the larger cell structure of the leaf and the long seta with arcuate capsule seem to indicate *H. callichroum*." J.B.D. "Undoubtedly *H. callichroum*." H.N.D.; Gudbrandsdalen, Norway, July 1880, leg. O. L. Sillén, com. V.F.B.

H. callichroum Brid., Craig Chailleach (88), July 1893, H.N.D.

H. Bambergeri Schp., Kongswold, Dovre, Norway, May 1868, leg. J. E. Zelterstadt, com. V.F.B. "Some of these packets contained an admixture of *Amblystegium filicinum*

or *H. revolvens*. In a few of the packets traces of *H. revolvens* may possibly still be found: it is not easy to separate." J.E.D.; Vaaretien in Opdal, Dovre, Norway, July 1903, leg. E. Ryan, com. J.L.

H. molluscum Hedw. (*Ctenidium molluscum* Mitt.), Westmeston (14), Feb. 1925, c.fr., W.E.N.; Bodo, Norway, July 1925, M.J.K.

H. crista-castrensis L., Airdvorlich, Loch Lomond (99), Apr. 1926, J.R.L.

H. palustre Huds., var. *hamulosm* B. and S., Yelvertoft (32), Oct. 1888, H.N.D.; var. *dolichoneuron* Ingham and Rhodes, Hermitage, (I. 8), July 1901, leg. E.A., com. H.N.D.

H. dilatatum Wils., near Sedburgh (65), June 1861, leg. J. Nowell, com. H.N.D.

H. arcticum Sommerf., Ben Lawers (88), July 1910, J.R.L.

H. alpinum Schp., (*Hygrohypnum alpinum* Loeske), Krimmler Ache, Salzburg, Germany, Aug. 1926, L.L.

H. eugyrium Schp., Nant Col, Llanbedr (48), Aug. 1925, leg. D.A.J. and P.G.M.R., com P.G.M.R.; var. *Mackayi* Schp., Henhole, Cheviot (68), July 1905, H.N.D.

H. ochraceum Turn., Ben Voirlich (88), July 1897, H.N.D.; Craig Chailleach (88), July 1893, H.N.D.; var. *flaccidum* Milde, Ilkley (64), July 1896, H.N.D.; Inchnadamph, Sutherland, July 1899, leg. E. S. Salmon, W.E.N. and H.N.D. com. H.N.D.; Greenfield (63), Dec. 1907, leg. W.W., com. H.N.D.

H. scorpioides L., forma, Raevens, Belgium, May, 1924, J.S.; Cartington (68), Dec. 1926, E.H.S.

H. stramineum Dicks., Neukloster, Meckl. Schwerin, Germany, Sept. 1907, leg. Hahn, com. J.W.; Knockewart Loch (75), June 1909, c.fr., J.R.L.; Calmpthout, Belgium Sept. 1920, J.H.; Burn Moor (64), July 1917, c.fr., A.W.

H. trifarium W. and M., Ben Lawers (88), July 1912, J.R.L.; Craig Chailleach (88), July 1912, E.A.R.; Meall Chuirm (88), July 1912, A.W.

H. turgescens Schp. (*Calliargon turgescens* Kindb.), Djupvik, Sörfolden, Norway, July 1925, M.J.K.

H. cordifolium Hedw., Abinger (17), April 1926, E.C.W.

H. giganteum Schp., Orton (69), Oct. 1926, C.H.B.; Strensall Comm. (62), July 1926, W.B.

H. sarmentosum Wahl., Crianlarich (88), July 1918, J.R.L.

H. cuspidatum L. (*Acrocladium cuspidatum* Lindb.), Neukloster, Meckl. Schwerin, Germany, May 1907, leg. Hahn, com. J.W.; forma, Ranst (Ahvers), Belgium, Aug. 1923, J.H.; Worth Forest (14), April 1926, c.fr., E.C.W.; Bressay (112), 1926, leg. G. Linklater, com. P.W.M.R.

Hylocomium umbratum B. and S., Karersee, Dolomites, N. Italy, June 1926, c.fr., C.H.B.; Cwm Bychan, Harlech (48), Jan. 1927, leg. P.G.M.R. and D.A.J., com. D.A.J.

H. pyrenaicum Lindb., Oulankajoki, Kuusamo, Finland, Feb. 1926, M.J.K.

H. brevirostre B. and S., Rossthwaite (70), July 1910, c.fr., A.W.

H. squarrosum B. and S., Garstang (60), Feb. 1909, c.fr., A.W.; Rodborough Comm. (34) (no date), c.fr., E.J.E.

H. triquetrum B. and S., Bressay (112), 1926, leg. G. Linklater, com. P.W.M.R.

H. rugicum De Not., Hastière (Namur), Belgium, June 1922, J.H.; Klobinstein, Bolzano, N. Italy, June, 1926, C.H.B.; Silverdale (60), Jan. 1906, leg. J. A. Wheldon, com. W.G.T.

NON-EUROPEAN MOSSES.

Polytrichum antarcticum Card., Admiralty Bay, S. Shetlands, 1926, leg. A. G. Bennett, com. H.N.D.

Dichodontium pellucidum Schp., New Denver, B.C., Canada, June 1926, F.A.McF.

D. flavescens Lindb., Silverton, B.C., Canada, June 1926, F.A.McF., det. A.M. Holzinger.

Dicranella crispa Schp., Silverton, B.C., Canada, July, 1926, F.A.McF.

D. Grevilleana Schp., Three Forks, B.C., Canada, May 1926, F.A.McF. "This plant is unusually tall for *D. Grevilleana*, and there are faint teeth on the leaves where the sheathing base contracts into the limb. It seems to show some approach to *D. Schreberi*. I think the name ought to be verified." G.B.S. "This actual gathering was distributed by Prof. Holzinger as No. 588 of his Musci Acrocarpi Bor. Americana &c., and may be relied on. The striated capsule is in favour of *D. Grevilleana*. This, with *D. Schreberi*, var. *occidentalis* Aust., certainly seems to form a link between the two species." H.N.D.

Blindia acuta B. and S., Silverton, B.C., Canada, June 1926, F.A.McF.; Ten-mile Creek, Slocan Lake, B.C., Oct. 1925, F.A.McF.

Campylopus canescens Schp., Port Stanley, Falkland Islands, 1922, leg. J. Hamilton, det. H.N.D., com. D.L.

Dicranum aciphyllum Hook. fil. and Wils., Weddell Island., Falkland Islands, 1923, leg. J. Hamilton, det. H.N.D., com. D.L.

Fissidens grandifrons Brid., Vanstone's Camp, B.C., Canada, June 1926, F.A.McF.

Scouleria marginata Britt., Ten-mile Creek, Slocan Lake, B.C., Canada, June 1926, F.A.McF., det. J. M. Holzinger.

Grimmia antarctica Card., Admiralty Bay, S. Shetlands, 1926, leg. A. G. Bennett, com. H.N.D.

Racomitrium canescens Brid., Wilson Creek, Rosebery, B.C., Canada, March 1926, F.A.McF.

Syrrhopodon mahensis Besch., Port Victoria, Mahé, Seychelle Islands, March 1926, leg. U. Anderson, com. M.J.K., det. H.N.D.

Hyophila Potierii Besch., Port Victoria, Mahé, Seychelle Islands, March 1926, leg. U. Anderson, com. M.J.K., det. V.F.B.

Tortula grossiretis Card., Admiralty Bay, S. Shetlands, 1926, leg. A. G. Bennett, com. H.N.D.

Encalypta ciliata Hoffm., Goat Mt., and Mill Creek, New Denver, B.C., Canada, April and June 1926, F.A.McF.

Zygodon lapponicus B. and S., (*Amphidium lapponicum* (Hedw., Schp.), Lake O'Hara, B.C., Canada, July 1925. F.A.McF.

Voitiz nivalis Hornsch., Arabel, ad fontes fl. Naryu, Alatau, Terskei, Turkestan, No. 104, Aug. 1896, V.F.B.

Paludella squarrosa Brid., Jonquin Valley, Jasper Park., Alta, Canada, July 1926, F.A.McF.

Bartramia Oederi Swartz, Wilson Creek, Rosebery, B.C., Canada, April 1926, F.A.McF. ; Slocan Lake, New Denver, B.C., Sept. 1926, F.A.McF.

Breutelia sclerodictya Card. and La Varde, Shembaganur, Indes Anglaises, June 1912, leg. Rev. Père Foreau, com. J.C.

Haplodontium Notarisii (Mitt.) Broth., near Santa Brigida, Monte, Grand Canary, 1500 ft., March 1925, E.A., det. W.E.N. " I have carefully compared your fruiting specimens with your barren plants Nos. 165 and 166, and have no hesitation in saying that they both belong to this species. There are slight differences, as the leaves in the sterile plants are relatively rather broader with slightly broader and laxer cells, but these differences are only such as might be expected in sterile plants growing, presumably, under conditions which unduly favour vegetative growth. The stout, percurrent or slightly excurrent nerve is very characteristic, both in the fruiting and sterile specimens." W.E.N. in litt., Aug. 1926. " The fruiting specimens, distributed last year, were found in the mountains, at 4000 ft." E.A.

Webera pulchella Schp., Silvertown, B.C., Canada, April 1926, F.A.McF., det. J. M. Holzinger. " From the red nerve this would appear to be *W. Columbica* Kindb., rather than *W. pulchella*. Some capsules, however, are quite exannulate, as in *W. carnea*, and it does not apparently agree exactly with any of these." H.N.D.

Leucolepis acanthoneura (Schwaeg.), Lindb. (*Mnium Menziesii* (Hook.) C.M.), Howe Sound, Vancouver, B.C., Canada, April 1926, leg. G. A. Potter, com. F.A.McF. ; Gambier Isl., Vancouver, Aug. 1926, F.A.McF., det. J. U. Bailey.

Fontinalis Kindbergii Can. Musc. (R. and C. recte), Victoria, B.C., Canada, Aug. 1926, F.A.McF., det. J. U. Bailey. " *F. Kindbergii* is an unsatisfactory plant. Cardot treats it as a subspecies of *F. antipyretica* only. Barnes and Heald in their Keys to the N. Amer. Mosses, and Theriot and Monguillon, in Bull. Soc. Agric. Sci. et Arts de la Sarthe, 1899, give as its main or sole character the dimorphism of the stem and branch leaves. Cardot in Rev. Bryol. does the same, and

adds in the Key that the stem leaves are closely set and rather longly narrowed and acuminate. The stem leaves here are distant and usually very obtuse. The stems are almost unbranched, though the few branches present show leaves much narrower than the stem leaves. The stem leaves have very distinct brown auricles. (I do not know *F. columbica* Card., which is said to possess these and also has the stem leaves distant and widely spreading). It appears to me not to agree well enough with the description of *F. Kindbergii*, and to be very probably *F. columbica* Card., which came from Br. Columbia." H.N.D.

F. neo-mexicana Sull and Lesq., Bonanza Creek, New Denver, B.C. Canada, April 1926, F.A.McF., det. J. U. Bailey.

Pterobryopsis denudata Dixon and La Varde, Pulney Hills, Shola Tiger, Indes Anglaises, May 1925, leg. Rev. Père, Foreau, com. J.C.

Barbella pendula (Sull.) Fleisch., Pulney Hills, Indes Anglaises, May 1912, leg. Rev. Père Foreau, com. J.C.

B. Determesii (R. and C.) Fleisch., Pulney Hills, Indes Anglaises, May 1912, leg. Rev. Père Foreau, com. J.C. "This was, I believe, determined by R. de la Varde, and I have no doubt is correct, though I have not seen the original (Himalayan) plant." H.N.D.

Neckera Douglasii Hook., Gambier Island, Vancouver, B.C. Canada, Aug. 1926, F.A.McF.

Meteoropsis squarrosa (Hook.) Fleisch., Pulney Hills, Indes Anglaises, May 1912, leg. Rev. Père Foreau, com. J.C.

Homalia pygmæa (R. and C.), Broth. Perumal, Indes Anglaises, Apr. 1923, leg. Rev. Père Foreau, com. J.C.

H. Targioniana Gough, Pulney Hills, Indes Anglaises, May 1925, leg. Rev. Père Foreau, com. J.C.

Callicostella seychelliensis (Besch.) Broth., Mahé, Seychelle Islands, March 1926, leg. U. Anderson, com. M.J.K., det. V.F.B.

Antitrichia californica Sull., Slocan Lake, New Denver, B.C. Canada, April 1926, F.A.McF., det. H. Dupret.

A. curtispindula Brid., var. *gigantea* Sull. and Lesq., Victoria, B.C. Canada, Aug. 1926, F.A.McF., det. J. U. Bailey. "This has not the habit of var. *gigantea* as I have it. I should refer it to the type." H.N.D.

Ptychomnium aciculare (Brid.) Mitt., near New Plymouth, New Zealand, 1923, c.fr., misit Mrs. J. Meiklejohn, com. D.L.

Weymouthia cochlearifolia (Schwaeg), Dixon, var. *Billardierii* (Hampe) Dixon, Greymouth, New Zealand, 1925, misit Mrs. J. Meiklejohn, det. H.N.D., com. D.L.

Porotrichum Bigelovii Sull. (*Porothamnium Bigelovii* Fleisch.), Victoria, B.C. Canada, July 1926, F.A.Mc.F., det. J. U. Bailey. "I only know this from the scanty description in Lesq. and James' Manual, so cannot form an opinion on it." H.N.D.

Acrocladium auriculatum (Mont.) Mitt., Otaio Riv., Hunter Mts., S. Canterbury, New Zealand, 1926, misit Mrs. J. Meiklejohn, com. D. L., det. H.N.D.

Echinodium hispidum (Hook. fil. and Wils.) Jaeg., Grey-mouth, New Zealand, 1925, misit Mrs. J. Meiklejoin, com. D.L., det., H.N.D.

Camptochzete angustata (Mitt.) Jaeg., Otaio Riv., Hunter Mts., S. Canterbury, New Zealand, 1926, misit Mrs. J. Meiklejohn, com. D.L., det. H.N.D.

Pterygynandrum filiforme Hedw., Evans Creek, Slocan Lake, B.C. Canada, June 1926, F.A.Mc.F.

Heterocladium procurrans Lesq. and James, Ten-mile Creek and Wilson Creek, New Denver, B.C. Canada, Oct. 1925 and April 1926, F.A.McF. "These cannot be *H. procurrans* (though they have the habit), since *H. procurrans* has smooth cells, and here they are sharply spiculose in the branch leaves. I cannot separate these plants in any way from forms of *H. heteropterum* we have here in shady places, with large, longly-pointed, spreading or decurved leaves. The apical cells of the branch leaves also are exactly as in the above forms of our species (oval, hyaline, single-pointed), not as Best describes them for *H. Macounii* and *H. heteropteroides*. These plants are nearest to *H. Macounii* Best, of all the American species. Both gatherings are mixed with a species of *Claopodium*." H.N.D.

Thuidium Blandovii B. and S., Biglow Bay, New Denver, B.C. Canada, Sept. 1926, F.A.McF.

T. delicatulum Mitt., Bristol, Maine, U.S.A., Aug. 1921, leg. E. B. Chamberlain, com. J.M.

T. recognitum Lindb., Union, Maine, U.S.A., Aug. 1921, leg. E. B. Chamberlain, com. J.M.

T. sparsum (Hook. fil. and Wils.) Jaeg., Otaio Riv., Hunter Mts., S. Canterbury, New Zealand, 1926, misit Mrs. J. Meiklejohn, com. D.L., det. H.N.D.

Climacium Americanum Brid., Bonanza Creek, New Denver, B.C., Canada, June 1926, F.A.McF., det. P.G.M.R. "This is surely *C. dendroides*. The cells are extremely narrow and elongate; the leaves not broadened at the base; and the capsule, while narrow, is not more so than in European specimens. *C. Americanum* constantly, if not

always, has the branches narrow, straight and more tapering." H.N.D.

Entodon plicatus C.M., Perumal, Indes Anglaises, 1912, leg. Rev. Père Foreau, com. J.C.

Brachythecium lamprochryseum C.M. and Kindb., New Denver, B.C., Canada, March 1926, F.A.McF., det. A. J. Grout.

Eurhynchium oreganum Sull., Victoria, B.C., Canada, Aug. 1926, F.A.McF., det. J.U. Bailey; Vanstone's Camp, Slocan Lake, B.C. Canada, Nov. 1925, F.A.McF., det. H. Dupret. "I do not think the Vanstone's Camp gathering is sufficiently robust for *E. oreganum*, which has a very marked habit. I should call it a very marked form of *E. praelongum* (L.), i.e. *E. Stokesii* (Turn.). The true *E. oreganum* is seen in the specimen from Victoria." H.N.D.

E. fallax (R. and C.) Grout (*E. strigosum*, var. *fallax* Ren. and Card.), New Denver, B.C., Canada, June 1926, F.A.McF.

E. stoloniferum (Hook.) Jaeg., Gambier Island, Vancouver, B.C., Canada, Aug. 1926, F.A.McF., det. J. U. Bailey.

Sciaromium tenue Dixon, Weddell and Qualler Islands, Falkland Islands, 1925, leg. J. Hamilton, det. H.N.D. (sp. nov.).

Amblystegium Sprucei B. and S. (*Amblystegiella Sprucei* (Bruch.) Loeske), Ten-Mile Creek, New Denver, B.C., Canada, F.A.McF.

A. Juratzkanum Schp., Slocan Lake, New Denver, B.C. Canada, June 1926, F.A.McF., det. A. J. Grout. "Mixed with *Brachythecium velutinum*. Possibly correct, but I am not sure there is anything to distinguish it from *A. serpens*." J.B.D. "I should have called it a rather strong form of *A. serpens*. The supra-alar cells are mostly quadrate." H.N.D.

A. filicinum De Not. (*Cratoneuron filicinum* (L. Roth), New Denver, B.C., Canada, June and July 1926, F.A.McF., det. A. J. Grout.

Platyhypnidium Mülleri (Br. Jav.) (*Hypnum Mülleri*, Bry. Jav.; *Rhynchostegium Mülleri* Jaeg.; *Oxyrrhynchium Mülleri* Broth.), Kodai Kanal, Indes Anglaises, May 1912, leg. Rev. Père Foreau, com. J.C.

Drepanocladus brachiatus (Mitt.) Dixon, Weddell Island, Falkland Islands, 1923, leg. J. Hamilton, det. H.N.D., com. D.L.

Hypnum pratense Koch., New Denver, B.C., Canada, Sept. 1926, F.A.McF.

H. lychnites Mitt. (*Ctenidium lychnites* Broth.), Kodai Kanal, Indes Anglaises, May 1925, leg. Rev. Père Foreau, com. J.C.

H. crista-castrensis L. (*Ptilium crista-castrensis* De Not.),
Montgomery, Vermont, U.S.A., July 1922, leg. E. B. Chamberlain, com. J.M.

H. turgescens Schp., Amabel Township, Ontario, Canada,
June 1926, leg. E. A. Moxley, com. H.N.D.

Ectropothecium drepanocladoides Broth. and La Varde,
Perumal, Indes Anglaises, May 1923, leg. Rev. Père Foreau,
det. De La Varde, com. J.C.

Vesicularia subsphaerica (C.M.) Broth. Port Victoria,
Seychelle Islands, March 1926, leg. U. Anderson, det. V.F.B.,
com. M.J.K.

HEPATICS (European).

Riccia Michellii Raddi, Vallueris, Riviera, France, March 1926, D.A.J.

R. sorocarpha Bisch., Stubble field, Ardingly (14), June 1926, D.G.C. "Perhaps a mixture, but there was no *R. sorocarpha* in the portions I examined." H.H.K.

R. nigrella D.C., Vendée, France, Nov. 1913, J.C.

R. crystallina L., Braunton Burrows (4), Sept. 1903, E.M.H. (Ex. National Museum Wales); Berrow (6*), Oct. 1926, W.W.; var. *angustior* Nees, Berrow (6*), Oct. 1926, W.W.

R. fluitans L., dans une fontaine, Loire Inferieure, France, April 1915, J.C.; on mud amongst *Acorus*, Frensham Gt. Pond (17), August 1926, D.G.C.

Ricciocarpus natans L., near York (62), Sept. 1879, W. West, *Marchantia polymorpha* L., Peat bogs, Cannock Chase (39), June 1926, P.G.M.R.

Grimaldia dichotoma Raddi., Vineyard Walls at 300 metres, Monte di Trinita, Locarno, Feb. 1923, P.G.M.R.

Aneura palmata (Hedw.), Dum., (with *Scapania umbrosa* Dum.), decaying wood, Killin (88), Aug. 1908, W.G.T.

Metzgeria conjugata Dum., Vendée, France, May 1914, J.C.

M. hamata Lindb., Maentwrog (48), May 1914, D.A.J.; Brown Hill, Langdale (69), May 1908, A.W.

M. pubescens (Schrank) Raddi, Braemar (92), Sept. 1903, E.M.H. (Ex. National Museum Wales). "Most of these are correct, but three packets contain only *M. conjugata*." H.H.K.

Fossombronia pusilla (L.) Dum., on damp clayey soil. Aylesbury (24*) (no date), G.H.A.

F. Loitlesbergeri Schiffn., Lizard Down (1), April 1926, H.H.K. and W.E.N.

Gymnomitrium concinnatum (Lightf.) Corda, Earth at 2500 metres, Grand St. Bernard, Canton Valais, July 1922, P.G.M.R.

G. corallioides Nees, Storlien, Jamtland, Sweden, July 1922, leg. S. Medelius, com. E.A.R. "This is mixed with *G. concinnatum*. The dark colour of the plant is unusual, and is apparently due to the brown hyphae of a fungus which has penetrated the hyaline cells of the margin of the leaves." H.H.K.

G. crenulatum (Gottsche), Rocks on Tal-y-Fan (49), Aug. 1926, A.W.

G. alpinum (Gottsche) Schiffn., Wasdale Crag (69), May 1909, A.W.

Marsupella aquatica (Lindb.), Schiffn., Crinkle Crag, 2500 ft, (70), June 1916, A.W.

Aplozia caespiticia (Lindb.), Dum., Leckhampton (33), Nov. 1918, H.H.K.

A. riparia, var. *rivularis* Bernet, Cader Idris (48), Sept. 1926, D.A.J.; Kingsdale Beck, Ingleton (64*), May 1926, E.A.

Gongylanthus ericetorum (Raddi) Nees, Valluaris, Riveira, France, May 1926, D.A.J.

Gymnocolea acutiloba (Kaal.) K. Müll, Bwlch Tuthiad, Harlech (48), June 1919, D.A.J.

Lophozia turbinata (Raddi) Steph., Chalkpit, Box Hill (17), June 1926, D.G.C.

L. excisa (Dicks.) Dum., Woodchurch (58), May 1926, W.G.T. "This is dioicous, and belongs to the *ventricosa* group. I have named it *L. ventricosa*, but taking the character of the mouth of the perianth only, it would go best under *L. porphyroleuca*." H.H.K.

L. lycopodioides Cogn., Shady boulders on Chasseron, Swiss Jura Mts., July 1920, P.G.M.R.; Chamonix, France, Aug. 1926, D.A.J.

L. Hatcheri (Evans) Steph., Chamonix, France, Aug. 1926, D.A.J.

L. Floerkii (Web. et Mohr.) Schiffn., Steddfa Gyryg (46), July 1926, R.J.; var. *Naumanniana*, Nees, Berwig (50), Aug. 1914, D.A.J. and E.A.R.

Sphenolobus minutus (Crantz) Steph., Rocks by Sefinen, Nütschina, near Mürren, Bernese Oberland, July 1913, P.G.M.R.; Puy-de-Dôme, France, July 1926, P.W.M.R.

S. Pearsoni (Spruce) Steph., Bwlch Tuthiad, Harlech (48), and Rhinog Fach (48), May 1911, H.H.K.

Plagiochila asplenoides (L.), Dum., var. *major* Nees, Balcombe (14), Jan. 1926, D.G.C.; var. *minor* Lindb., Gordale Scar (64), May 1926, E.A.

P. spinulosa (Dicks.) Dum., Brecon Beacons (42), July 1926, W.E.N. and E.A. "A slender form." E.A.; Horner Wood, Porlock (5), Aug. 1925, D.G.C.

Leptoscyphus Taylora (Hook.) Mitt., River Conway, (50*), Yspyty Ifon, Aug. 1926, A.W.

Lophocolea minor Nees, Côté de la Pylaz, Posieux, Canton Fribourg, Nov. 1921, T. Aebische, det. P.G.M.R.

Chiloscyphus polyanthus, var. *rivularis* (Schrad.) Nees, Brecon Beacons (42*), July 1926, E.A.

Cephalozia bicuspidata (L.) Dum., Kirkby Moss (59),

July 1926, W.G.T.; var. *grandiflora* Spruce, Stream on Simraside (67*), Aug. 1926, J.B.D.

C. macrostachya Kaal., Ambersham Common (13), Dec. 1910, W.E.N.

C. serriflora Lindb. = *C. catenulata* (Hubn.) Spr., by River Hespte, Brecon (42), July 1926, W.E.N. and H.H.K.

Nowellia curvifolia (Dicks.) Mitt., Rotten tree trunks, North Wood (81), Feb. 1926, J.B.D.

Cephaloziella Nicholsoni Douin, Wall, Carbis Bay (1), Nov. 1919, H.H.K. and W.E.N.

Cephaloziella Massalongi Spr., Moist earth, Carbis Bay (1), April 1923, H.H.K. and W.E.N.

C. dentata (Raddi) K. Müll, Lizard Down (1), April 1926, H.H.K. and W.E.N. "New to the British Isles." ; Valluaris, Riviera, France, April 1926, D.A.J.

Odontoschisma sphagni (Dicks.) Dum., In sphagnum, Greenham Common, Newbury (22), Aug. 1926, E.A., det. W.E.N. "A lax form." W.E.N. "This is only the second record for Berks, Mr. Monckton found it at Easthampstead in 1919." E.A.

Calypogeia Trichomanis Corda, Haute Loire, France, April 1925, K.M., per J.C.

C. Neesiana (Car. et Mass.), Mass., Ardingly Rocks (14), Feb. 1926, J. A. Nix and W.E.N.

Bazzania tricrenata (Wahl.) Pears., Lac Pavin, Auvergne, France, July 1926, P.W.M.R. "This is var. *implexa* Nees of continental authors. It is one of the forms included under *B. triangularis* in the Handbook." H.H.K.

B. Pearsoni (Steph.) Pears., Mangerton (I. 2), July 1925, H.H.K. and J.B.D.

Lepidozia pinnata (Hook.) Dum., rocks by Old Weir Bridge, Killarney (I. 2), Aug. 1924, P.G.M.R.

L. reptans (L.) Dum., var. *julacea* Nees, Dale Beck Glen, Ingleton (64*), May 1926, E.A.; tree trunks, Beezley Glen, Ingleton (64*), May 1926, J.B.D.; var. *tenera* (Hübner) Nees, Dale Beck Glen, Ingleton (64*), May 1926, E.A.

Chandonanthus setiformis, var., *alpinus* (Hook.) Kaal., Cheviot (68), July 1926, J.B.D.

Anthelia Juratzkana (Limpr.) Trev., Earth, Grand St. Bernard, 2500 metres, Cant. Valais, July 1922, P.G.M.R.

Herberta Hutchinsiae Evans, Cwm Bychan, Harlech (48), Sept. 1911, W.G.T.

Mastigophora Woodsii (Hook.) Nees, Mangerton (I.2), July 1925, J.B.D.

Ptilidium pulcherrimum (Web.) Hampe, c.fr., Chamonix, France, Aug. 1926, D.A.J.; on birch trees, Green Wood,

Berwick (81), Jan. 1926, W.C.M. and J.B.D. ; also, under beech, Greenfield (81), Jan. 1926, J.B.D.

Scapania gracilis (Lindb.) Kaal., Crunwere (45), Oct. 1926, R.J.

S. aspera Bernet, Downs near Lewes (14), Dec. 1907, W.E.N.

S. dentata Dum., Auvergne, France, July 1926, P.W.M.R. ; var. *ambigua* De Not., Torrent, Cwm du'r Arddu, Snowdon (49), Aug. 1919, D.A.J., J.A.W., P.G.M.R. ; also, Cwm Dyli, Snowdon (49), Sept. 1924, D.G.C. "Is *S. uliginosa*, margin of leaves entire, and both lobes decurrent." H.H.K.

S. paludosa, var. *vogesiaca* K. Müll., Combe des Morts, Grand St. Bernard, Cant. Valais, 2230 metres, July 1921, P.G.M.R.

S. Degenii (Schiffn. M.S.) K. Müll., Creag am Lochain, Lairig (88), 1700ft, July 1923, H.H.K., W.E.N.

Radula Carringtoni Jack, Eagle's Nest, Killarney (I.1), July 1925, J.B.D., H.H.K., W.E.N.

Pleurozia purpurea (Lightf.) Lindb., In sphagnetum over terminal moraine, L., Garrygarry, Killarney, Aug. 1924, P.G.M.R.

Madotheca laevigata Dum., Vendée, France, May 1914, J.C.

M. Thuja (Dicks.) Dum., rocks, Harlech Castle (48), Nov. 1926, D.A.J.

M. rivularis Nees, Dowland Burn, Berwick (81), Feb. 1926, J.B.D. ; Puy de-Dôme, July 1926, P.W.M.R.

M. Porella Nees, stream, Bleiddian-bwll, Harlech (48), Apr. 1915, D.A.J. and P.G.M.R. ; Vendée, France, Sept. 1926, J.C.

Cololejeunea Rossettiana (Massal.) Schiffn., Vendée, France, May 1925, J.C.

C. minutissima Spruce, Vendée, France, Apr. 1925, J.C.

Lejeunea Holtii Spr., Torc Mt., Killarney (I.1), June 1925, J.B.D., H.H.K., W.E.N.

Frullania Tamarisci (L.) Dum., Chantonay, France, May 1925, J.C. ; var. *robusta* Lindb., Craig Cerig Gleisiad (42*), July 1926, E.A. "Forming dense patches, loosely attached to the rock, with short dense branchlets." E.A.

Anthoceros crispulus (Mont.) Douin, Stubble field, Ardingly (14), Jan. 1926, D.G.C.

REPORT OF THE ANNUAL MEETING, 1926.

ELEONORA ARMITAGE.

(Extracted from *The Journal of Botany*, August 1926, p. 223.)

The British Bryological Society held its Annual Meeting and Excursion at Ingleton, Yorkshire, at Whitsuntide. Mr. H. N. Dixon, M.A., F.L.S., was elected to the Chair, in the absence of the President. In spite of transport restrictions, about thirty members were present. Ingleborough, with the Limestone Pavements, and the two glens close by, were studied under the expert guidance of local bryologists, and many interesting mosses and hepatics were found. Further afield, Crummack Dale, Moughton and Malham were visited with good results. Some of the more important plants met with were:—Mosses—*Dicranodontium longirostre* var. *alpinum*, *Trichostomum crispulum* var. *nigro-viride*, *T. mutabile* var. *cophocarpum*, *Zygodon gracilis*, *Splachnum sphaericum*, *Philonotis capillaris*, *Cinclidium stygium*, two or three species of *Thuidium*, *Cylindrothecium concinnum*, *Orthothecium intricatum* and *rufescens*, *Pylaisia polyantha*, *Hypnum falcatum* var. *irescens* and *H. vincurvatum*. Hepatics—*Riccia Lescuriana*, *Metzgeria pubescens*, *Haplozia riparia* var. *rivularis**, *Lophozia badensis**, *L. bicrenata**, *Anastrepta orcadensis*, *Leptoscyphus Taylori*, *Cephaloziella myriantha**, *Bazzania trilobata*, *Lepidozia reptans* vars. *julacea** and *tenera**, *Blepharostoma trichophyllum*, *Scapania Bartlingii**, *Lejeunea patens*, *Cololejeunea calcarea* and *C. Rossiettiana*. Those new to V.C. 64 are starred.

At the Annual Meeting it was reported that the new edition of the *Moss Census Catalogue* would soon be ready, and that the second edition of Macvicar's *Students' Handbook of Hepatics* should be out before the end of the year. The next meeting will be held at Brecon, Aug. 12—19, 1927, under the Presidency of the Rev. C. H. Binstead, M.A., F.L.S.

BRYOLOGICAL PUBLICATIONS IN 1926.

(The following list also contains some works published in 1925). An Asterisk* denotes that a copy of the work has been presented to the Library.

MOSSES.

- AMANN, J. *Mnium arizonicum* sp. nov. *Rev. Bryol.* 1925, pp. 23—5. Une mousse européenne à peu près inconnue. *Ibid.* p. 25. *Fissidens monguilloni*. (Étude bryométrique). *Ibid.* p. 50. La réaction du substrat des mousses et l'évaluation microchimique. *Ibid.* p. 49.
- ANDREWS, A. Le R. *Hymenostylium longopulvinatum*. *Bryologist* XXIX, 1926, p. 69—70.
- ARNAONDOFF, N. Ueber Transplantieren von Moosembryonen. *Flora* CXVIII—CIX, 1925, pp. 17—26, figs. 1—4.
- *ARNELL, H. W. Les publications de M. Hjalmar Möller sur la distribution des mousses en Suède. *Rev. Bryol.* 1926, pp. 5—8.
Per Dusen : a biographical sketch. *Bryologist*, 1926, p. 57—8.
- ARNELL, H. W. och JENSEN, C. Moss-studier i Nordingrömsområdet (Angermanland). *Svensk Bot. Tidskr.* Vol. 20, 1926, pp. 456—469.
- BAILEY, J. W. *Philonotis calcarea* Schimp. in Western Washington. *Bryologist*, XXIX, 1926, p. 5—6.
- *BARTRAM, E. B. *Tortula fragilis* Tayl. and *Tortula Bogotensis* (Hpe.) Mitt. *Bryologist*, XXIX, 1926, p. 53—4. Notes on the genus *Husnotiella* Cardot. *Ibid.* pp. 44—6. *Mnium arizonicum* Amann. *Ibid.* p. 30—1. fig. 1. A short list of Panama mosses. *Ibid.* p. 67—8. *Ptychomitrium serratum* Schmp. in Western Texas. *Ibid.* p. 71. Review. *Musci Acrocarpi* Bor. Amer. et Europ. Fasc. 23, Nr. 551—575, Prof. Holzinger. *Ibid.* p. 31—2.
- BAUER, R. *Musci Europaei Exsiccati*. Schedae u. Bemerkungen zur 32—37. Serie 1551a—1850b. 1924—5.
- BEALS, A. T. Proposed plans for a preliminary Sullivant Moss Society Check List of the mosses of North America. *Bryologist*, XXIX, 1926, p. 29.

- BINSTEAD, Rev. C. H. An autumn in the English Lakes. B.B.S. Report for 1925, pp. 114—117. Note on *Helicodontium pulvinatum* Lindb. B.B.S. Report for 1926, p. 200.
- *BRADSHAW, R.V. The Mosses of Stanford University and vicinity. *Bryologist* XXIX, 1926, pp. 33—6.
- BRITTON, E. G. *Orthotrichum stellatum* Brid. *Bryologist*, XXVIII, 1925, p. 71—2.
- BROTHERUS, V. F. Musci novi japonici. *Rev. Bryol.* 1926, pp. 1—5. (12 spp. nov.).
- *CASARES-GIL, A. Sobre el sentido de la torsion de los pedicelos y peristomas del esporogonio de los musgos. *Bol. Real Sociedad Española de Historia Natural*, Tomo XXVI, 1926, pp. 181—4.
- COOPER, C. A. A short ramble in the Pyrenees. *Bryologist*, XXIX, 1926, pp. 65—7.
- *CULMANN, P. F. *Grimmia Cardoti* x *anodon*. *Rev. Bryol.* 1926, pp. 8—10.
- DISMIER, M. G. *Orthotrichum Shawii* Wils. *Rev. Bryol.* 1925, pp. 33—5.
- DIXON, H. N. Dr. H. O. Forbes' Malayan Plants. Musci. *Jour. Bot.* LXIII, 1926, p. 137—8. (Java, Timor, Sumatra).
- *DUNCAN, J. B. A Census Catalogue of British Mosses, 2nd. Edn. 1926, pp. 1—65. Berwick-on-Tweed. (Includes *Sphagna*, by W. R. Sherrin).
- *FUCHSIG, H. Vergleichende anatomisch-physiologische Untersuchungen an Formen von *Fontinalis antipyretica*. Sondera. aus der Oesterreichischen bot. Zeitsch, 1926, Nr. 4—6, pp. 114—121.
Biologicshe Wechselbeziehungen zwischen Moospflanze und Standortfaktoren. *Ibid*, pp. 282—295. (Contains long bibliography.)
- FÜRST, P. Ueber das Sammeln und Bestimmen von Moosen. *Die Natur*, I. 1925, pp. 74—8.
- GARDET, G. *Schistostega osmundacea*; *Conomitrium Julianum*. *Rev. Bryol.* 1925, p. 36.
- GREGUSS, P. Die Sporenverschiedenheit der Musci. *Bot. Archiv.* XII. 1925, pp. 473—80.
- GROUT, A. J. Review. Holzinger's Musci Acroc. *Bor. Amer. et Europ.* *Bryologist*, XXIX, 1926, p. 63.
- HENDERSON, N. F. Ohio mosses, Polytrichales. *Ohio Jour. Sci.*, 1925, XXV, pp. 177—182.

- HENNEN, J. Obituary. Henry Van den Broeck. B.B.S. Report for 1926, p. 254.
- HENRY, R. Procédé pour l'obtention rapide de coupes de tiges et de feuilles de mousses. Rev. Bryol. 1925, Nr. 2, p. 26—7.
- HOLZINGER, J. M. Musci Acrocarpi Bor. Amer. et Europ. Fasc. 24, 1926.
Ditto, Fasc. 23, 1926, Nr. 551—575.
- HOLZINGER, J. M. and BAILEY, J. W.
Webera erecta (Lindb.) Limpr. in North America. Bryologist, XXIX, 1926, p. 23—4, Pl. II.
- JOHNSON, D. S. A maritime station for Schistostega osmundacea. Bryologist, XXIX, 1926, pp. 17—19, figs. 2.
- KOPPE, F. Myurella julacea (Vill.) Br. eur., ein neues Moos der norddeutschen Tiefebene. Allg. Bot. Zeitschr. XXVIII/IX, 1925, Karlsruhe, p. 40 (96).
- *KUJALA, V. Untersuchungen über die Waldvegetation in süd-und Mittelfinnland. I. Zur Kenntnis des ökologisch-biologischen Characters der Waldpflanzenarten unter spezieller Berücksichtigung der Bildung von Pflanzenvereinen. B. Laubmoose. Sonderab. aus den Communicationes vex Inst. Quaestionum Forestalium Finlandiae Editae 10. Helsinki, 1926, pp. 1—59, figs. 16. Pl. I.
- LOWE, R. L. A second trip to Mt. Katahdin, Maine. Bryologist, XXIX, 1926, p. 70.
- LUNDEQUIST, O. F. E. Anteckningar till grennatraktens flora : Kärlkryptogamer och mossor. Botaniska Notiser, 1926, pp. 39—44.
- MACFADDEN, F. A. A trip to the New Denver Glacier. Bryologist, XXIX, 1926, pp. 40—42.
- MAYER, A. and PLANTEFOL, L.
Influence des électrolytes du milieu sur les échanges gazeux des mousses. Compt. Rend. Acad. Sci. Paris, T. CLXXXI, 1925, pp. 1094—5.
- MEDELIUS, S. Moosvegetationen i Storlien med omnejd. Arkiv för Bot Bd. XX, No. 10, 1926, pp. 1—77.
Bidrag till kännedomen om Blekinges Mossflora. Bot. Not. 1926, pp. 1—33.
- *MEGAW, Rev. W. R. Irish Moss Records. The Irish Naturalists' Jour. March, 1926, p. 77.
- *MEYLAN, Ch. Notes sur quelques espèces de mousses.

- Rev. Bryol. 1925, pp. 52—4. (*Dicranum Bonjeani*, *Orthotrichum Shawii*).
- *MOLLER, Hj. Lövmossornas utbredning i Sverige. X. Mniaceae. Repr. from Arkiv f. Bot. XXI, A. N: o 1, 1926, pp. 1—196, figs. 50.
- MOTTE, J. Sur l'évolution cytologique de l'antheridie des mousses. Compt. Rend. Acad. Sci. Paris, CLXXXI, 1925, pp. 803—5, figs. 2.
Sur la cytologie des mousses. Ibid, pp. 618—19.
- MOXLEY, E. A. The moss in the crevice. Bryologist, 1926, XXIX, p. 60—1.
- MURRAY, J. Mounting mosses as microscope slides. Bryologist, XXIX, 1926, pp. 55—7.
- PLANTEFOL, L. Sur les formes de croissance de l'*Hypnum triquetrum* L. Compt. Rend. Acad. Sci. Paris T. CLXXXI, 1925, pp. 929—31.
- POTIER de la VARDE.
A propos de l'*Ectropothecium mayumbense*. Rev. Bryol. 1925, p. 43.
Fissidens Monguilloni Ther.; nouvelles observations. Ibid, pp. 17—20.
Racomitrium mollissimum Philib. en Auvergne. Ibid, p. 21.
Review. Engler's "Die natürlichen Pflanzenfamilien" Ed. 2. Ibid, p. 27—8.
Nouvelles herborisations dans le Sud de l'Inde. Ibid, pp. 37—43. (Pl. spp. nov. et vars. nov.).
- RAUP, L. C. Hunting for and collecting mosses. (Trans. of Loeske's paper (listed in 1925 bibliography)). Bryologist, XXIX, 1926, p. 73—4.
- REIMERS, H. Nachtrag zur Revision der Pterobryaceen-Gattungen *Renauldia* und *Hildebrandtiella*. Notizbl. Bot. Gart u. Mus. Berlin-Dahlen IX, 1925, pp. 448—451.
- RHODES, Rev. P. G. M.
Obituary. J. C. Wilson. B.B.S. Report for 1926, p. 255.
European varieties of *Zygodon viridissimus*. B.B.S. Report for 1926, pp. 200—202. Abstract from N. Malta (listed in 1925 bibliography)
- SAVICZ, L. Review. Brotherus' Flora of Asiatic Russia, Andreaeales, Bryales, Fasc 4 and 13. Bryologist, XXIX, 1926, p. 72.
**Phascum curvicollum* Ehrh, in Russland. (Reference in Russian characters; German summary in 6 lines) 1926.

- SCHERRER, M. Vegetationsstudien im Limmattal. Geobot. Inst. Rübel Zürich 2 Hft. 1925, pp. 115. (Contains notes of some mosses).
- SVIHLA, R. D. and A.
Notes on *Buxbaumia aphylla* Haller. Bryologist, XXIX, 1926, p. 36—7.
- WHELDON, J. A. and RHODES, Rev. P. G. M.
Two new European varieties of *Cratoneuron*. B. B.S. Report for 1925, p. 177.
- WILLIAMS, R. S. Peruvian mosses. Bryologist, XXIX, 1926, pp. 37—9, Pl. I. (1 sp. nov. *Hygrodicranum Herrerae*).
Isothecium occidentale (Sull. and Lesq.) comb. nov. Ibid, p. 48.
Orthotrichum Bartrami sp. nov. Ibid, XXVIII, 1925, p. 76—7. Pl. IX.

HEPATICS.

- CAMPBELL, D. H. The relationships of the Anthocerotaceae. Flora, CXVIII—CXIX, 1925, pp. 62—74, figs. 1—5.
- EVANS, A. H. Hepáticas in Standley and Calderon: La Lista preliminar de las plantas de El Salvador. San Salvador 1925, p. 18.
- GARDET, G. *Pleuroschisma trilobatum*. Rev. Bryol. 1925, p. 35.
Cololejeunea calcarea. Ibid.
- GEPP, A. Dr. H. O. Forbes' Malayan Plants. Hepaticae. Jour. Bot. LXIII, 1926, p. 138.
- JENSEN, C. *Riccia islandica* sp. nov. Svensk Bot. Tidskr. 1926, p. 67—8.
- KALIS, E. Notulae: *Ricciocarpus natans* (L) Corda bei Riga. Acta Hotri Bot. Univ. Latviensis, Riga I, No. 1, Riga 1926, p. 65—6. (In Lettish; German summary).
- *MEYLAN, C. Note sur une espèce nouvelle de *Scapania*. (*S. praetervisa*). Separat. erweiterten Jahresber. d. Naturf. Ges. Graubündens zur Feier des 100 jähr. Bestandes. Neue Folge. LXIV, Bd. Verj. 1925/6, pp. 363—6, fig. 1.
- NICHOLSON, W. E. New British Hepatics. B.B.S. Report for 1925, p. 112—3. *Cephaloziella dentata* (Raddi) K. Müll. in Britain. Jour. Bot. LXIV, 1926, p. 201—2, Pl. 1.

- POTIER de la VARDE et MESLIN, R.
 Une Marchantiacée nouvelle pour la Manche. Bull. Soc. Linn. de Normandie, 1925, pp. 90—2. (*Preissia commutata*).
- REIMERS, H. Hepaticae novae chilenses. Fedde ; Repertorium XXI, 1925, p. 264—5.
- STEPHANI, F. Species Hepaticarum, Vol. VI, pp. 545—763, 1924—5.
- STRAUTMANIS, J. Notulae : Madotheca Cordaeana (Hüb.) Dum. (*M. rivularis* Nees) in Lettland. Acta Horti Bot. Univ. Latv., Riga I, No. 1, 1926, p. 64—5. (In Lettish ; German summary).

SPHAGNA.

- ALLORGE, P. Variations du pH dans quelques tourbières à Sphaignes du centre et de l'ouest de la France. Compt. Rend. Acad. Sci. Paris T. CLXXXI, 1925, pp. 1154—6.
- GROUT, A. J. Spore dispersal in sphagnum. Bryologist, XXIX, 1926, p. 55.
- *v. POST, L. Einige Aufgaben der regionalen Moorforschung. Sveriges Geolog. Undersökning, Ser. C.N. : o 337, Stockholm, 1926 ; pp. 41, figs 15.
- v. POST, L. och GRANDLUND, E. Södra Sveriges torvtillgångar, I. Ibid. No. 335, 1926.
- Du RIETZ, G. E. Några anmärkningsvärda fynd af Sphagnum Wulfianum. Bot. Notiser, 1926, pp. 34—8.
- ROELL, J. Torfmoose der Umgebung von Dredsen. Hedwigia, LXVI, Hft. 6, 1926, pp. 321—330.
- RIGG, G.B. Some sphagnum bogs of the North Pacific coast of America. Ecology VI, 1925, pp. 260—278, Pl. IV. The utilisation of sphagnum bogs on the West coast Jour. Am. Peat Soc. XVIII, 1925, pp. 9—12.
- SHERRIN, W. R. vide Duncan, J. B. (Census Catalogue).
- *WARREN, H. Untersuchungen über sphagnumreiche Pflanzengesellschaften der Moore Finnlands. Acta Soc. pro Fa. et Fl. fennica. 55, N : o 8, Helsingforsiae 1926, pp. 1—133, Pls. 9. (Includes long bibliography).
- *Untersuchungen über die botanische Entwicklung der Moore mit Berücksichtigung der chemischen Zusammensetzung des Torfes. Finska Mosskulturföreningen Vetenskapliga Skrifter N:o 5, 1924, Helsingki, pp. 1—95. (Includes long bibliography).

BRYOPHYTES.

ARMITAGE, Miss E.

*Notes on Canary Islands Bryophytes. *Bryologist*, XXIX, 1926, pp. 49—53. (Hepatics and mosses).

*The British Bryological Society (Ingleton Meeting, Yorks. May 1926). *Ibid*, p. 62.

Ditto, *Jour. Bot.* LXIV, Aug. 1926, p. 223—4.

BURRELL, W. H. British Bryologists at Ingleton (Yorks), *Naturalist*, 1926, p. 286—7 (Includes list of mosses and hepatics found.)

CARBONEL. *Geographie bot. de la Commune de Théron-dels (Aveyron) ; muscinées.* *Rev. Bryol.* 1925, pp. 54—62. (Includes mosses, hepatics and sphagna).

CHURCH, A. H. Reproductive mechanism in land flora. IV, Sporogonia. *Jour. Bot.* LXIV, 1926, pp. 99—103, 132—136, 234—240 and 307—310.

*DUNCAN, J. B. The mosses and hepatics of Berwickshire and North Northumberland. Some further additions, with notes on a visit to the Cheviots. *Berwicksh. Nat. Hist. Club*, XXV, 1926, pp. 451—455.

HERZOG, Th. Bryophyten der weiteron Indomalaya. *Hedwigia*, Bd. LXVI, Hft. 6. 1926, pp. 337—358, Pls. 2, (7 spp. nov. and 1 var. nov. hepatics ; 2 gen nov., 23 spp. nov. and 1 var. nov. mosses).

JAGGLI, M. I muschi e le epatiche del Colle di Sasso Corbaro presso Bellinzona. *Boll. Soc. Ticin. sc. nat.* 1925, pp. 31, map 1.

KOPPE, F. Zur Flora von Feldberg i Mecklenburg. *Allg. bot. Zeitsch.* XXVIII/XXIX, Karlsruhe, 1925, p. 29 (85)—33 (89). (Moosflora).

Die niedere Flora, insbesondere die Moosflora geschützter und schützenswerter Gebiete in der Grenzmark, Posen-Westpreussen, *Schneidemühl II*, 1926, pp. 45—55.

KUMMEL, J F. Relative water-holding capacity of sphagnum and tree-moss. *Jour. For.* XXIII, 1925, p. 181—2.

LATZEL, A. Beitrag zur kärntischen Moosflora, vornehmlich des Lavantgebietes. *Hedwigia*, Bd. LXVI, Hft. 2, 1926, pp. 127—156. (Hepatics, sphagna and mosses. Pl. var. nov.).

MESLIN, R. Quelques raretés bryologiques des landes de Lessay (Manche). *Bull. Soc. Linnéenne de Normandie*, 1925, pp. 14—25.

- *MEYLAN, C. Bryophyta. Separat. Ber. Schw. Bot. Gesells. XXXIV., 1925, pp. 54—7.
- *La flora bryologique et lichénologique du bloc erratique de la Grange-de-la-Côte. Bull. Soc. Vaud. des Sciences Naturelles, 1926, Vol. 56, No. 217, pp. 165—172. Lausanne.
- MURR, J. Aus Innsbrucks Pflanzenleben. 37. Eine bryologische Wallfahrt zum Höttinger Bild. Tiroler Anzeiger No. 263, v. 17, 11, 1925, p. 4—5.
- NICHOLLS, G. E. The bryophytes of Michigan, with particular reference to the Douglas Lake Region II. Bryologist XXVIII, 1925, pp. 73—5.
- *PAPP, C. Contribution à la flore bryologique de la Moldavie. Annales Scientifiques de l'Univ. de Jassy, Tom. XIV, 1925, pp. 155—162.
- *Contributiuni la studiul Bryophytelor din Moldova. 1926, Jassy. pp. 1—45, figs. 36. Thesis (in Roumanian).
- *Contribution à l'étude des Bryophytes de la Moldavie. Extr. des Annales scientifiques de l'Univ. de Jassy, T. XIV, fasc. 3—4, pp. 374—9. Jassy, 1926.
- REIMERS, H. Beiträge zur Bryophytenflora Südamerikas. I. Die von Pater A. Hollermayer in Chile 1918/23 gesammelten Leber- u. Laubmoose. II. Die von G. Tessmann im ostperuanischen Urwaldgebiet im Jahre 1923 gesammelten Leber- u. Laubmoose. Hedwigia LXVI, Hft. 1, 1926, pp. 27—78, figs. 1—6 (3 spp. nov. hepat. ; 1 var. nov. moss.).
- RILSTONE, F. Cornish mosses and hepatics. Jour. Bot. 1926, pp. 178—183.
- SEBILLE, R. Contribution à la flore muscinale du Brazil. Rev. Bryol. 1925, p. 22.
- THUNMARK, S. Bidrag till kännedomen om recenta kalktuffer. Geolog. Föreningens i Stockholm förhandlingar 1926, pp. 541—583.
- TRAVIS, W. G. Obituary. James Alfred Wheldon 1862—1924. Rev. Bryol. 1926, pp. 10—13.

I would supplement the remarks I made at the foot of the list in the last B.B.S. Report by saying that the Card-index has already proved of some use to a few bryologists. It is hoped that more will avail themselves of it either by writing to me for information or by consulting it themselves at Brecon next August. There is still a fair volume of classical bryological literature to be included, but I hope to remedy the defect before next year ; a good deal of this is contained in

the earlier numbers of *Revue Bryologique*, an index of which (published in that periodical in 1890) M. Culmann has been very kindly trying to obtain for me.

May I again ask all bryologists at home and abroad to send me detailed references of their works as soon as they appear in print so that the Card-index may be kept up to date?

In conclusion I would thank on behalf of the B.B.S. all those who have so generously presented copies of their works to the Library, and all who have assisted in the compilation of the Card-index.

Feb. 28th. 1927.

LESLIE B. C. TROTTER.

MOSS CENSUS CATALOGUE (Ed. II).

CORRECTIONS.

- P. 11.—1 *S. cymbifolium* Ehrh.—V.C. Nos. should read 1—6, 8—19, 21—28, etc.
- P. 15.—30b *laxum* Braithw.—delete V.C. No. 60.
- P. 16.—49 *D. tenuifolium* Lindb.—delete 34, add 33.
- P. 18.—80 *flavescens* Lindb.—delete (33).
- P. 30.—249 *glauca* Dixon—add 13.
- P. 32.—280 *flavo-virens* Bruch—delete (33).
- P. 39.—354 *squarrosa* Brid—bracket |70|.
- P. 40.—365 *pomiformis* Hedw.—delete (33).
- P. 40.—369 *fontana* Brid—remove brackets V.C. 33.
- P. 62.—Transpose the first and second lines.

OBITUARIES.

JOSEPH HENNEN.

Inspecteur honoraire des Ecoles Communales de la Ville d'Anvers.

Conseiller de la Soc. Royale de Botanique de Belgique.

Décoré de la Croix Civique de Première Classe.

Décoré de la Médaille Commémorative du règne de sa Majesté Léopold II, et des Palmes d'or de la Couronne. Membre correspondant de la Bryological Society d'Angleterre et de plusieurs autres Sociétés savantes.

Né à Cappellen (Anvers) le 19 Mars 1852 et y décédé, après une courte et pénible maladie, le 5 Janvier 1927.

Il n'est pas facile de séparer la carrière botanique de J. Hennen de celle de son grand ami Van den Broeck, qui l'a précédé de huit mois à peine. A eux deux ils ont exploré, pendant plus d'un demi, siècle les tréfonds de la bruyère Anversoise et Limbourgeoise. Nous n'exagérons pas en disant qu'au point de vue bryologique, ils ont découvert la Campine. Van den Broeck était le Chef d'expédition; Hennen était le fureteur sagace et patient; toujours à la recherche des Sphaignes rares et des formes douteuses. Tout en étant célibataires tous les deux, ils avaient pourtant le caractère diamétralement opposé. Van den Broeck, austère et timide, et Hennen, spiritual, le pince sans rire des Botanistes de la Belgique.

Leurs silhouettes de géants, à la boîte verte—ensemble ils mesureraient plus des 3,80 m.—n'exciteront plus désormais la curiosité des braves campagnards.

Van den Broeck et Hennen ont fait des herbiers quasi identiques. Le premier se trouve actuellement au Jardin Botanique de Bruxelles, et J. Hennen a légué le sien au Musée scientifique de sa bonne Ville d'Anvers.

J. Hennen a peu ou pas publié au point de vue bryologique, mais il a écrit, en flamand un mémoire très original sur les principales aventures de sa vie de botaniste, aussi bien dans son pays de tourbires qu'à l'étranger. Le manuscrit fait avec un soin inouï se trouve ici devant moi et c'est avec une réelle pitié que nous commencerons sous peu la publication de ces belles pages qui ne serviront pas seulement de souvenir à ses quelques intimes, mais apprendront aux jeunes les plaisirs et le bonheur ignorés, de celui qui a su conduire ses jours dans le dédale féérique de la nature.

Et maintenant que je contemple la tranquille poésie de nos dunes désertes et de nos marécages mélancoliques, je sens

qu'après la disparition de ces deux grands amis et confrères, la Campine elle-même est en train de mourir. Dans quelques années le Moloch industriel aura fait disparaître le dernier coin de bruyère et il ne restera plus rien que quelques vieilles plantes dans de vieux herbiers, maniées pieusement par de vieilles mains, comme des reliques sauvées d'un sanctuaire détruit par les barbares.

R. NAVEAU.

Musée Scientifique "Henri van Heurck,"
Anvers, le 7me Avril, 1927.

EDWARD ALFRED RICHARDS.

Born October 22nd. 1880, he was the second son of the late Edward T. Richards, second master of Winwick Grammar School, Lancashire. At the age of 15 he entered the Offices of the Liverpool Corn Trade Association where he remained for five years. He subsequently became salesman to Messrs. Thomas Rigby & Co., Flour Millers, Liverpool, where he remained till the time of his death.

He was an ardent naturalist, taking interest in phanerogams and mosses especially, the whole of his leisure time being devoted to those studies. He had travelled extensively all over the British Isles and many parts of the Continent in pursuit of his favourite study. He was a good linguist. He was greatly interested in our Society and had contributed many valuable and interesting specimens of mosses from time to time. He had faithfully sent his quota to this year's distribution and it is sad to think that this is his last effort. The writer had the pleasure of his company in many expeditions. He was a keen enthusiastic field botanist and one could not fail to notice the delight he manifested on the discovery of a moss new to him. His unassuming and genial manner appealed to his friends who could ill-afford to lose the companionship of an esteemed colleague and the Society the usefulness of such a faithful member.

On January 28th, 1927, he was taken suddenly ill with pneumonia and passed away on February 1st, at the age of 46.

LOUIS WELLESLEY HEMINGTON PEGLER, M.D.

He was the youngest son of Daniel Pegler of Colchester, and was born in that town November 18th, 1852. For many years he practiced in Harley Street, London, as Ear, Nose and Throat Specialist, and became Senior Surgeon at the

Fitzroy Square Hospital for diseases of those organs. He loved his work and was a skilful and conscientious operator, ever ready to help those in straitened circumstances, needing surgical treatment otherwise beyond their means.

A very keen botanist from the early age of about seven, he was later equally keen in Geology, Music, Archaeology and also Prehistoric Studies, having at one time one of the finest private collections of Prehistoric Stones in England.

After his retirement from active practice he became more and more interested in Bryological Research, and it was a keen delight to him to take excursions to different parts of the country where he would find profitable study and material for his herbarium. In spite of indifferent health his love for field-botany continued to the end. He will be greatly missed by all his colleagues, especially at the Annual Meeting which he and his devoted wife, with whom we deeply sympathize, attended regularly. His wonderful conversational powers and strong sense of humour added to the charms of his personality.

He passed away on Saturday, February 26th, 1927, having borne much suffering with great patience.



This title page is set here as in its normal position
would have upset page number synchronisation.

The British Bryological Society



REPORT for 1926-7

VOL I.

PART 5.