

BRITISH BRYOLOGICAL SOCIETY

PRESIDENT: A. C. CRUNDWELL, Esq., B.A.

BULLETIN

No. 24. July, 1974

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1. MINUTES OF THE ANNUAL GENERAL MEETING, 1973

Minutes of the Annual General Meeting held at 4.45 pm on Saturday 20 October, 1973 in the Department of Biology, University of Keele, Staffordshire.

PRESENT: Mr E. C. Wallace (President - in the chair) and 48 other members

CONDOLENCES: Resolved:- That we learn with regret of the recent deaths of the following members of the Society: Dr A. Boros, Dr R. B. Cooke, Mr T. Laflin and Mr J. H. G. Peterken.

(1) APOLOGIES: Apologies for absence received from Mr Caulfeild-Browne, Dr Dalby, Mr Little and Dr Watson.

(2) MINUTES: The minutes of the Annual General Meeting held at Imperial College, London, on 28 October, 1972, were approved.

(3) MATTERS ARISING: None.

(4) (a) SECRETARY'S REPORT (J. Bryol. 7(3), 517, 1973): This was taken as read.

(b) TREASURER'S REPORT (Bulletin 22): This was taken as read.

(c) EDITOR'S REPORT: The Editor's report was received. Dr Whitehouse reported a 40% increase in size of the Journal last year, and a further 40% increase this year. Volume 7 part 4 (now in the Press) would close this volume; copies of its contents were circulated.

Considered:- That there were only 145 subscribers to the Journal outside the Society, and that advertizing (at the moment in Blackwell's hands) should be increased, especially in foreign journals.

Resolved:- That the Society should advertize in other journals, on an exchange basis if possible.

Reported:- That a new membership list was being prepared. That arrangements had been made to re-print volume 1 of the Transactions.

(d) LIBRARIAN'S REPORT: No report had been received from Mr Little who was resigning as Librarian.

(e) BIBLIOGRAPHER'S REPORT: The Bibliographer's report was received. Dr Duckett thanked those who had sent him reprints and urged people to get the abbreviations of journals correct.

(f) MEETING SECRETARY'S REPORT: The report of the Meetings Secretary was received. Dr Clarke outlined the meetings that had taken place in the last year. These were, as usual, attended by that hard core of members who form the basis of the Society, and by very few others. He noted that a number of SSSIs had been surveyed for the Nature Conservancy, and mentioned the forthcoming Easter 1974 meeting in the Alpes Maritimes, southern France, which is being organized by Mr Wanstall.

(g) REPORT OF THE RECORDER FOR MOSSES: The report of the Moss Recorder was received. Mr Crundwell noted a slight reduction in records in 1972 and a possible slight increase in 1973. There had been few records from Ireland. What is needed is more Irish meetings in connexion with the mapping scheme.

(h) **REPORT OF THE RECORDER FOR HEPATICS:** The report of the Hepatic Recorder was received. Mrs Paton noted a reduction in records in 1972 and thought that the 1973 records would total about the same as 1972. Records from Ireland were very few.

(i) **MAPPING SECRETARY'S REPORT:** The report of the Mapping Secretary was received. Dr Smith said that after a lull in numbers of mapping cards received in 1971-72 he was inundated in 1973. About 1800 squares in Great Britain have now been worked; these are mostly in England and Wales. Only about one third of Ireland has been worked. About nine distribution maps will appear in the next part of the Journal. The Biological Records Centre have offered to publish an atlas of 100 of the less common British bryophytes in about a year's time.

Considered:- Whether it was advisable to publish maps separately from the Journal.

Reported:- That the maps in the atlas were only provisional, and B.R.C. are paying for the blocks; that the atlas would cost only £1.00 and it would stimulate further recording.

Resolved:- That the Society asks B.R.C. to publish this atlas.

(j) **CURATOR'S REPORT:** The report of the Curator was received. Mr Harrison noted that 486 specimens had been received from the Recorders during the last year. One or two loans were still outstanding, one dating from April 1970. There had been six loans during the year.

(5) **ELECTION OF OFFICERS FOR 1974:**

(a) **VICE-PRESIDENT:**

Resolved:- That Mrs J. A. Paton be elected as Vice-President.

(b) **SECRETARY:**

Considered:- That Dr Dalby had already resigned as Secretary.

Resolved:- That Mr A. R. Perry be elected as Secretary.

(c) **LIBRARIAN:**

Considered:- That Mr E. R. B. Little has resigned as Librarian.

Resolved:- That Dr K. J. Adams be elected as Librarian.

(d) **OTHER OFFICERS:**

Resolved:- That all other Officers be re-elected.

(6) **ELECTION OF THREE COUNCIL MEMBERS:**

Considered:- That a vacancy for an Elected Member of Council has been caused by Dr Clarke's appointment as Meetings Secretary last autumn; and that Mrs Appleyard and Mr Gardiner retire at the end of 1973.

Resolved:- That the following be elected: Dr W. D. Foster and Dr E. W. Jones (each to serve for three years), and Mr M. O. Hill (to serve for one year).

Considered:- That elected members who have served the full term shall not be eligible for re-election for 2-3 years after their term of office, instead of 1 year as at present; this would entail a change in Rule 5(c).

(7) **ELECTION OF HONORARY MEMBERS:**

Resolved:- That the following Honorary Members be elected: Dr E. W. Jones, Miss E. M. Loble, Mrs L. I. Savicz-Ljubitskaja and Mrs Z. N. Smirnova.

(8) **PAPER-READING MEETING AND A.G.M., 1974:**

Considered:- That Dr Proctor had kindly invited the Society to Exeter for its Paper-reading Meeting and A.G.M. in 1974.

Resolved:- That Dr Proctor's offer be accepted.

(9) OTHER MEETINGS IN 1974 AND 1975:

(a) EASTER FIELD MEETING, 1974:

Reported:— That this was being arranged by Mr Wanstall in southern France, and that all intending to go should let Mr Wanstall know by December 1973.

(b) SUMMER FIELD MEETING, 1974:

Considered:— That the last week in August in Caithness, and the first week in September in Orkney, were suitable provided a local secretary could be arranged.

(c) EASTER FIELD MEETING, 1975:

Reported:— That Mr M. O. Hill had agreed to lead a meeting in Montgomeryshire.

(d) SUMMER FIELD MEETING, 1975:

Considered:— That this might be in Ireland, possibly Wicklow, but that a decision should await improved conditions.

Resolved:— That Mr D. M. Synnott would be asked by the Meetings Secretary if he might arrange an Irish meeting.

(10) ANY OTHER BUSINESS:

Reported:— That the following had now been published for the International Association of Bryologists: Gradstein, S. R. (1973). Directory of bryologists and bryological research. Regnum Vegetabile 88.

The meeting closed at 6.00 pm.

A. R. Perry,
Hon. Secretary,
October 24, 1973.

2. REPORTS OF OFFICERS FOR 1973

At previous Annual General Meetings it has been the practice of the Officers of the Society to read out their reports. In future these reports will be published before the A.G.M. at which they are to be considered. The following reports are for consideration at the A.G.M. at Exeter in October, 1974 (see pages 9-10 for details of this meeting) where, however, the President will move that the reports are taken as read; members will still have the opportunity to question the Officers on their work.

(a) SECRETARY'S REPORT

During 1973 there was an increase in membership of the Society of 21 over the total for 1972. The total is now 491 of which about one third are non-British members. It is with great regret that I have to report the death of Mr J. H. G. Peterken. He kindly bequeathed to the Society his valuable bryophyte herbarium of about 3,000 specimens, and about 500 35mm transparencies of bryophytes.

Field meetings organized were at Whalley Abbey and Ravenglass, and the A.G.M. and Paper-reading meeting were held in the University of Keele. The success of these meetings was due to the local organizers, Drs J. G. Duckett, A. D. Horrill and K. M. Goodway respectively, and to the work of the Meetings Secretary; we thank them for their efforts. It was a pleasure to welcome to the Keele meeting two of our foreign members, Dr S. R. Gradstein (Utrecht) and Prof A. Vaarama (Turku). Some of our members joined the Nordic Bryological Society on their meeting on the Faeroe Islands, and the first meeting of the I.A.B. in Boulder, Colorado. This international cooperation is being further extended by the

organization in the Alpes Maritimes in southern France of our Spring 1974 Field meeting, which is supported by the French Bryological Society. It is unfortunate that our meetings^{are} on the whole attended only by the same 30 or so members; at the moment the British membership of the Society is 300, so where are the other 270? The B.B.S. exists to serve its members, so it is surprising that the great majority of them are never seen and little heard of. I urge beginners especially to join our meetings; they will be given every encouragement and help, and I am sure will not be disappointed.

At the A.G.M. Dr D. H. Dalby and Mr E. R. B. Little relinquished their posts as Secretary and Librarian. For their hard work the Society gives them heartiest thanks.

We congratulate the Editors on maintaining the high standards of the Journal. Volume 7 closes with part 4 and thanks are due to Mr A. C. Crundwell for preparing the Index. I would particularly like to point out the paper by our member Dr Syed on Bryum capillare. His findings remind me of a saying that often springs to my mind. It is about there being three stages in the development of a field bryologist: (1) when he collects nothing but Hypnum cupressiforme; (2) when he never collects it; (3) when he starts collecting it again.

I would like to thank the Officers and Council Members, the Reading Circle Secretary and the Referees for making my job lighter, and especially for their efficiency in running the Society's affairs.

A. R. Perry,
March, 1974.

(b) TREASURER'S REPORT (Balance Sheet on page 6)

The year's accounts show an excess of expenditure over income of £1232 as compared with a net profit of £349 last year. Expenditure increased considerably to a total of some £4259. Printing costs of about £3721 were mainly responsible for this increase. In addition the cost of reprinting Vol. 1 of the Transactions (about £428) was met this year.

Subscription income increased from £1601 to £1708 and sales of the Journal and other literature amounted to about £1012 as compared with £833 for 1972.

Interest increased from £166 to £245 mainly due to the increase in interest rates paid on monies held in the Society's deposit account at the bank.

Apart from money held on deposit the Society's investments, in common with most shares, have suffered from the state of the market.

R. D. Fitzgerald,
April, 1974.

(c) EDITORS' REPORT

The Journal is now about double the size of the old Transactions. The introduction in 1972 of six-monthly publication, together with associate editors overseas and a new title, had two objectives: to attract more good papers, and to improve the circulation. These objectives should go hand-in-hand in the sense that more papers of quality ought to lead to more subscribers, which, in its turn, should bring more contributors. With the larger journal which we have now been able to produce without lowering our standards, it is very much hoped that an improved circulation will follow.

We hope the parts of volume 8 will have a more attractive cover. A few other changes have been made: authors' full postal addresses will now be given at the end of papers; the more customary abbreviation c. for circa will replace ca; and the instructions to contributors now make it clear that they need not be members of the B.B.S.

INCOME AND EXPENDITURE ACCOUNT

INCOME

To Subscriptions	
Sales of Journal	808.04
" " Census Catalogues	13.29
" " Maps and Cards	14.79
" " Separates	
Interest 3% Savings Bonds	27.00
" 7% " "	8.40
" Save and Prosper Units	24.16
" Omnium Units	32.39
" Lloyds 3rd Unit Trust	33.89
" Added for Deposit a/c	
Donations to Library Fund	
Income Tax Refund	
Postages	
Sundries	

Excess of Expenditure over Income

BALANCE SHEET

LIABILITIES

Subscriptions received in advance	
Sundry Creditors	
Library Fund	43.49
General Fund	3289.86
	<u>3333.35</u>
Deduct Loss	1232.80
	<u>2100.55</u>

Idylwild, Hexham,
Northumberland

R.D. Fitzgerald
Hon. Treasurer

YEAR ENDED 31st DECEMBER 1973

EXPENDITURE

By Printing Journal Vol 8 Pts 3 & 4 including separates	£1708.57	£3721.87
Reprinting Vol 1 of Transactions		428.35
Stationery and Circulars	836.12	19.46
Library Expenses	176.47	11.62
Postages		33.30
Subs. overpaid		15.75
Paper meeting		7.36
Travelling expenses		4.00
Sundries		18.00

4259.71

31st DECEMBER 1973

ASSETS

Cash at Bank	903.79
Dep. a/c at Bank plus Interest	1612.22
£120 - 7% Savings Bonds at Cost	120.00
£900 - 3% " " "	654.39
500 Omnium Deferred Units at Cost	459.37
1600 Save and Prosper Units at Cost	530.00
1350 Lloyds 3rd Units at Cost	1071.90

£5351.67

/2(c) Editors' Report (continued from p. 5)

We apologise to Dr E. W. Jones for the omission of his name from the list of elected members of Council for 1974 on the cover of volume 7, part 4.

H. L. K. Whitehouse,
H. J. B. Birks;
March, 1974.

(d) REPORT OF THE RECORDER FOR MOSSES

There are rather more records than last year because of a substantial increase in the number from Ireland. Over fifty members contributed.

A. C. Crundwell,
February, 1974.

(e) REPORT OF THE RECORDER FOR HEPATICS

One hundred and twenty eight new records were received. The number of contributors was 30.

It is a great help if contributors complete and include with each voucher a 5" x 3" filing card. This should be typed or clearly handwritten with only the data that will be printed in the N.C.R. list: authorities, full details of habitat and grid references, although wanted on the voucher packets, are not required on the cards. Blank cards are available from the Recorder. I am most grateful to all those who have filled in cards in the past.

Jean A. Paton,
February, 1974.

(f) LIBRARIAN'S REPORT

The Library was transferred to the new Librarian, Dr K. J. Adams, in November. The sales and loans records compiled include data from the previous Librarian:

<u>Sales:</u>	Census Catalogues	: 41
	B.B.S. Transactions	: 30
	M.E.C./B.B.S. Reports:	7

<u>Loans:</u>	16 loans of books/separates, 1 loan of slides.
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On receipt of the Library in November 73 items of books/separates were on record as still out on loan; 53 of these, including several rare and valuable books, have been on continuous loan for 10 years or more. Two loan copies of the Library Catalogue have been held by individual members for 7 and 9 years respectively.

K. J. Adams,
February, 1974.

(g) BIBLIOGRAPHER'S REPORT

My thanks are due to those who drew my attention to titles in local publications not normally accessible in Bangor, and especially to Dr G. C. S. Clarke and the British Antarctic Survey, Birmingham, for substantial contributions from eastern Europe and polar literature respectively.

Although shorter than in 1973, the 1974 Bibliography includes many titles from journals not previously listed. In this context papers concerned with pollution and bryophytes are particularly noteworthy.

Jeffrey G. Duckett,
March, 1974.

(h) CURATOR'S REPORT

There have been four loans since the last report (October, 1973). The J. H. G. Peterken Collection of c. 2930 specimens (1749 mosses, 546 hepatics and 634 unsorted) has now been moved to Cardiff.

S. G. Harrison,
March, 1974.

(i) MAPPING SECRETARY'S REPORT

A considerable number of record cards were received. There are now records from 1755 squares in Britain (c. 68% of total) and from 287 in Ireland (c. 31 %). About 750 are reasonably well-worked.

Work is now proceeding on the production of a provisional atlas of 100 of the less common bryophytes. It is hoped to send all the data collected for the atlas to the Biological Records Centre in July, 1974, but it is uncertain when the atlas will appear.

A. J. E. Smith.
December, 1973.

(j) MEETINGS SECRETARY'S REPORT

Arrangements are now in hand for the summer fortnight in Thurso and Orkney, and the A.G.M. and Paper-reading meeting at Exeter in 1974, and for the 1975 Easter meeting in Montgomeryshire.

G. C. S. Clarke,
March, 1974.

3. NOTICE OF PROPOSAL TO INCREASE SUBSCRIPTION RATES

As will be seen in the Treasurer's report for 1973 (page 6) the Society's assets were heavily depleted during the year, there being an excess of expenditure over income of £1232. Admittedly £428 of this amount was the cost of reprinting volume 1 of the Transactions, but the remainder (£804) represents an actual loss. The reason for this over-expenditure is the phenomenal increase in the cost of producing the Journal. There are further substantial increases in production and paper costs anticipated this year and next, so clearly something has to be done if the Society is to remain solvent.

Council recommend an increase in subscription rates.

Thus, in accordance with Rule 8, notice is given that at the Annual General Meeting to be held at Exeter on 19 October, 1974, it will be proposed that the annual subscription for Ordinary members be increased to not less than £5.00 and not more than £6.00, and the annual subscription for Junior members be increased to not less than £2.50 and not more than £3.00, both increases to take effect on 1 January, 1975.

4. NOMINATIONS FOR COUNCIL MEMBERS

Two vacancies on Council will occur at the end of 1974 with the retirement of Mr M. O. Hill and Dr E. V. Watson. Nominations for Council Members to fill these vacancies should be sent to the Secretary before 21 September, 1974. No person may be nominated without their consent. Elections will take place

at the Annual General Meeting, 1974. Council has made the following nominations:
Dr M. C. F. Proctor and Mrs A. G. Side.

5. FUTURE MEETINGS OF THE SOCIETY

(a) Summer Field Meeting, 1974:

Thurso, Caithness, 24 - 31 August. Local Secretary: Mr K. Butler,
33 Pennyland Drive, Thurso, Caithness.
Orkney, 31 August - 7 September. Local Secretary: Mrs A. Thomson,
Craigiefield, St Ola, Orkney, KW15 1TB

If you are planning to go on this meeting, please contact both local secretaries as there will be separate programmes for each week. Details of accommodation and transport are given in Bulletin 23.

(b) A. G. M. and Paper-Reading Meeting, 1974: Exeter, 19 - 20 October.

Local Secretary: Dr M. C. F. Proctor, Department of Biological Sciences,
Hatherly Laboratories, Prince of Wales Road, Exeter, EX4 4PS

This year we have taken a theme for the papers at the autumn meeting and have asked the speakers to talk about their work in the field of water relations in bryophytes, taking the topic at its broadest and including both ecological and physiological aspects. The provisional programme is as follows:

Dr D. J. READ (Sheffield): 'Physiological aspects of drought resistance in bryophytes'.

Mr J. W. BATES (Bristol): 'Sodium uptake and loss in halophytic and glycophytic mosses'.

Dr G. R. STEWART and Dr J. A. LEE (Manchester): 'The effects of water stress on membrane properties'.

Mrs G. MORTON (Royal Holloway College): 'The spatial arrangement of chalk grassland bryophytes with respect to their water relations'.

Mr T. J. K. DILKS (Exeter): 'Aspects of water availability and metabolism in bryophytes'.

It is expected that the Annual General Meeting will take place immediately following the last lecture on 19 October. The Conversazione will be later in the evening, and it is hoped that as many people as possible will bring exhibits on any bryological topic to put on display.

For details of accommodation in Exeter and the final programme, which will include a field trip in the Exeter area, please contact the local secretary.

ANNUAL GENERAL MEETING, EXETER, 1974

AGENDA

1. Apologies for absence
2. Minutes of the last Annual General Meeting, Keele, 1973 (see pp. 2-4 of this Bulletin)
3. Matters arising
4. Officers' Reports for 1973 (see pp. 4-8 of this Bulletin)
 - (a) Secretary
 - (b) Treasurer
 - (c) Editor
 - (d) Recorder for Mosses
 - (e) Recorder for Hepatics
 - (f) Librarian
 - (g) Bibliographer
 - (h) Curator
 - (i) Mapping Secretary
 - (j) Meetings Secretary
5. Election of two members of Council, 1975-77 (Mr M. O. Hill and Dr E. V. Watson retire at the end of 1974)
6. Election of Honorary Member
7. Subscription Rates (see p. 8 of this Bulletin)
8. Place and date of Annual General Meeting, 1975
9. Other meetings in 1975 and 1976
10. Any other business

(c) Taxonomic Teach-In: Thames Polytechnic, London, 16 - 17 November, 1974.

Local Secretary: Dr P. D. Coker, School of Biological Sciences, Thames Polytechnic, Wellington Street, London, SE18 6PF

A lot of members have asked for a means of learning about the practical side of naming bryophytes in the field and under the microscope. At this meeting a range of experts will talk about and demonstrate some of the characters they have found useful in some of the 'difficult' genera. This meeting is specifically intended to help beginners and other members who feel they lack confidence when it comes to identification. The first day of the weekend will be spent indoors.

On the Sunday Mr E. C. Wallace has kindly invited us to join him on a London Natural History Society excursion he is leading to Combe Bottom, Shere, Surrey. Thus it is hoped that some of the hints of the previous day may be put into practice. For those members travelling by train, meet at Dorking Station at 10.38 am. (train leaves Victoria at 10.02) where they will be met and transported if Dr Coker is asked well in advance. Those travelling by car should meet at 11.00 am. at Combe Bottom (G.R. 51/069492). Please bring packed lunches.

Members intending participating in all or part of this meeting should inform Dr Coker, who will provide them with more information.

(d) Easter Field Meeting, 1975: Newtown, Montgomeryshire, 1 - 7 April.
Local Secretary: Mr M. O. Hill, Institute of Terrestrial Ecology, Penrhos
Road, Bangor, Caerns., LL57 2LQ

Please note the change of date for this meeting which will be based on the University of Wales Residential Centre, Gregynog, Newtown. Complete details for this meeting will be published in the next Bulletin.

(e) Summer Field Meeting, 1975: Wicklow and Wexford, Ireland, late August.
Local Secretary: Dr D. Synnott, National Botanic Gardens, Glasnevin,
Dublin 9, Irish Republic.

If anyone has any suggestions about sites for future meetings or any other aspect of the Society's meetings the Meetings Secretary would be very glad to hear from them.

G. C. S. CLARKE.

MEMBERS WHO HAVE CONTACT WITH LOCAL NATURAL HISTORY SOCIETIES OR NATURALISTS' TRUSTS, ETC. ARE ENCOURAGED TO ARRANGE JOINT FIELD EXCURSIONS WITH THEM. THESE EXCURSIONS NEED NOT BE LONGER THAN HALF A DAY, BUT SHOULD BE AIMED AT ATTRACTING LOCAL NATURALISTS WHO MAY BE POTENTIAL NEW B.B.S. MEMBERS, OR MEMBERS LIVING LOCALLY WHO FIND IT DIFFICULT OR IMPOSSIBLE TO TAKE PART IN THE MORE 'FORMAL' B.B.S. FIELD MEETINGS. PLEASE SEND DETAILS OF ALL LOCAL MEETINGS YOU ARRANGE TO THE SECRETARY FOR INCLUSION IN FUTURE BULLETINS.

6. REPRESENTATIVE ON CONSERVATION

In February the Conservation Committee of the British Lichen Society kindly invited the British Bryological Society to appoint a representative on the committee.

The representative appointed by Council is Dr P. D. Coker, School of Biological Sciences, Thames Polytechnic, Wellington Street, London, SE18 6PF

7. LIBRARY - SALES AND SERVICE

Members wishing to borrow papers from the Library should indicate when a xerox copy would do instead of the original. With bound journals this would save enormously on postage and also reduce postal damage. The cost of xerox copies is now 5p per page.

Would any member wishing to consult the Library in person please write to the Librarian, or phone (01-508-7863) at least three days in advance.

(1) For loan:

(a) A large selection of bryological books and reprints. Library catalogue may be borrowed from the Librarian (return postage).

(b) Transparency collection, list available (s.a.e.). 624 slides in the collection. Loan charge 25p plus return postage. Only 50 slides may be borrowed at once to minimise possible loss.

(2) For sale:

Moss Exchange Club Reports: 1902 (5p)

British Bryological Society Reports: 1927, 1928, 1934, 1935 (13p each)
1944/5 (25p)

British Bryological Society Transactions - annual parts:

Vol. 1 parts 1 - 5 (£1.60 to members, £2.00 to non-members (each), reprint)

Vol. 2 parts 1 - 3 (90p each, limited stock)
part 4 (£1.50, limited stock)

Vol. 3 part 1 (£1.50, limited stock of originals)
parts 1 - 5 (£3.00 each, reprints)

Vol. 4 part 1 (£3.00, reprint)
part 2 (£1.50)
parts 3 - 5 (£2.00 each)

Vol. 5 part 1 (£2.00)
parts 2 - 4 (£3.00 each)

Vol. 6 parts 1 & 2 (£3.00 each)

Vol. 7 parts 1 - 4 (£2.50 each)

Note: Volume 6 part 2 completes the series of B.B.S. Transactions. Vol. 7 part 1 (1972) continues the series but is renamed Journal of Bryology.

Postage and packing is extra on all orders. Standard packing charge 7p per one to five parts for Jiffy bag.

Duncan, J. B. (1926). Census Catalogue of British Mosses, 2nd ed.
(13p plain, 18p interleaved, limited stock)

Sherrin, W. R. (1946). Census Catalogue of British Sphagna. (5p)

Paton, J. A. (1965). Census Catalogue of British Hepatics, 4th ed.
(38p plain, 43p interleaved)

Warburg, E. F. (1963). Census Catalogue of British Mosses, 3rd ed.
(38p plain, 43p interleaved)

Postage extra. If including cash with order please allow sufficient for P. & P.

All the above items are available from the B.B.S. Librarian: Dr K. J. Adams,
63 Wroths Path, Baldwins Hill, Loughton, Essex, IG10 1SH

8. REFEREES (July 1974)

Specimens sent to the referees should have a 4- or 6-figure grid reference in addition to the locality description, and should be accompanied by a s.a.e. for the return of the material. In the following list the numbers refer to genera in the current editions of the Census Catalogues. Material belonging to genera not listed below or material of which the genus is not known should be sent, until further notice, to the Secretary.

HEPATICS:

- 1-9, 14-19, 21-30, 66, 67, 76-82: Dr J. G. Duckett, School of Plant Biology, University College of North Wales, Bangor, Caerns., LL57 2UW
- 10, 11, 20, 31-33, 45-47, 71-74: Mrs J. A. Paton, Trekewny, 31 Dobbs Lane, Truro, Cornwall, TR1 3NB
- 34-44: M. F. V. Corley, Pucketty Farm Cottage, Faringdon, Berks., SN7 8JP
- 75: M. O. Hill, Institute of Terrestrial Ecology, Penrhos Road, Bangor, Caerns., LL57 2LQ

MOSESSES:

- 1: M. O. Hill, address above; A. Eddy, Department of Botany, British Museum (Natural History), Cromwell Road, London, SW7 5BD; Dr H. J. B. Birks, Botany School, Downing Street, Cambridge, CB2 3EA
- 2-7: M. O. Hill, address above.
- 8-9: Dr A. J. E. Smith, School of Plant Biology, University College of North Wales, Bangor, Caerns., LL57 2UW; A. H. Norkett, Department of Botany, British Museum (Natural History), Cromwell Road, London, SW7 5BD
- 10-33: M. F. V. Corley, address above.
- 34, 57-69, 80-89, 91-97, 100-124: E. C. Wallace, 2 Strathearn Road, Sutton, Surrey.
- 35-51, 53: Dr D. F. Chamberlain, Department of Botany, Royal Botanic Garden, Edinburgh, EH3 5LR
- 52: A. C. Crundwell, Department of Botany, The University, Glasgow, G12 8QQ

54-56: Dr A. J. E. Smith, address above.

70-78, 90: Dr E. V. Watson, Department of Botany, The University,
Reading, Berks.

125-130, 132-161: Mrs J. Appleyard, Sunnyside, West Horrington, Wells,
Somerset, BA5 3ED

9. REQUEST FOR RECORDS FOR DISTRIBUTION MAPS

Distribution maps of the species listed below are in process of preparation. The Mapping Secretary (Dr A. J. E. Smith, School of Plant Biology, University College of North Wales, Bangor, Caerns., LL57 2UW) would be grateful for any records of these.

Acrocladium sarmentosum
Atrichum angustatum
A. tenellum
Dicranum scottianum
Buxbaumia aphylla
Leucodon sciuroides
Timmia austriaca
T. norvegica

Tortella densa
Trichostomum hibernicum

Calypogeia sphagnicola
Gongylanthus ericetorum
Ricciocarpus natans
Southbya nigrella
S. tophacea

10. BRYOPHYTE FLORA OF NORTH WALES

There is now available a large amount of data on the bryophytes of Anglesey, Caernarvonshire, Denbighshire, Flintshire, Merionethshire and Montgomery and it has been decided to use this as the basis for a bryophyte flora. The flora will be prepared by Mr P. Benoit, Dr J. G. Duckett, Mr M. O. Hill and Dr A. J. E. Smith and it is hoped to have the manuscript completed by the end of 1976. Field work will be carried out to ensure even coverage of the area and any records of lists of bryophytes made by members visiting North Wales, especially if post-1950, will be very welcome. These should be sent to Mr M. O. Hill, Institute of Terrestrial Ecology, Penrhos Road, Bangor, Caerns., LL57 2LQ, who will also be prepared to examine bryophytes from North Wales the identity of which is uncertain.

11. MEMBERS' HERBARIA

Members are reminded that their herbaria, though probably not of significant commercial value, are of immense academic importance. Members are there-

fore urged to ensure that their collections are Willed to an institution where they will be conserved for the future. The Society's Curator, Mr S. G. Harrison, Department of Botany, National Museum of Wales, Cardiff, CF1 3NP, may be asked for advice on this.

12. WARBURG MEMORIAL FUND

An award of up to £150 will be made in 1975. Botanists under the age of 21 wishing to be considered for the award should write to the address given below with the following information:-

1. Full name and address of applicant
2. Date of birth
3. Education and examination record to date
4. Proposed further education
5. Short details of project involving travel, including an estimate of expenses and information relating to candidate's experience and other qualifications for carrying out the proposed work
6. Name and address of two referees to whom Trustees can refer if necessary.

Successful applicants will be requested to submit a report on the work they have carried out as a result of the scholarship.

Applications must be lodged not later than 31 December, 1974, and should be addressed to:-

The Secretaries,
Warburg Memorial Fund,
Botanical Society of the British Isles,
Department of Botany,
British Museum (Natural History),
Cromwell Road,
London, SW7 5BD

PLEASE DISPLAY THE ENCLOSED NOTICE

13. WORLD INDEX OF BRYOPHYTES IN AXENIC CULTURE

The International Association of Bryologists in the interest of stimulating international cooperation in bryological research is undertaking to publish a World Index of Bryophytes in Axenic Culture. Anyone maintaining bryophytes

in axenic culture and willing to participate in the exchange of cultures and/or of information pertaining to the axenic culture of bryophytes, please contact:

Dominick V. Basile,
Department of Biological Sciences,
Herbert H. Lehman College,
City University of New York,
Bronx, New York 10468, U. S. A.

14. GUIDE TO THE CONTENTS OF COLLECTIONS OF LIVE BRYOPHYTES

By M. V. FLETCHER

Introduction

Names can only be given as noted on labels or supplied by correspondents.

The existence of a plant does not necessarily imply that material is at present available in sufficient quantity to allow exchanges or donations. It is to be hoped that unique or valuable cultures will be propagated or distributed wherever possible.

Enquiries, requests for plants, or for further information about them should be addressed to their owners wherever possible.

Additional entries, corrections or further information will be gratefully received by M. V. Fletcher for incorporation in any future guide.

Contents

M. V. FLETCHER, 70 South Street, Reading, Berkshire, England.

General collection. About 600 British spp., but many in small amounts. Fuller details on the status of particular species or genera on request. Non-British spp. at present in reasonable quantity include:

(from Florida, U. S. A.) - *Leucobryum albidum*, *Octoblepharum albidum*, *Rhizogonium spiniforme*, *Schlotheimia rugifolia*, *Thelia asprella*, *Entodon seductrix*, *Taxithelium planum*.

(from Tasmania) - *Tayloria gunnii*, *Pleurophascum grandiglobum*, *Sphagnum antarcticum*(det. A. Eddy), *S. falciculatum*(det. Eddy), *Campylopus arboricola*,

(from New Zealand) - *Plagiochasma australe*, *Bryum blandum*, *Philonotis tenuis*, *Echinodium umbrosum*, *Catagonium politum*, *Rhynchostegium* spp., also duplicates of most cultures held by van Zanten, including hepatics from New Zealand and New Guinea, at present largely unnamed, or only to genus.

(from Japan) - *Haplomitrium mnioides*.

HELGA DIETRICH & RICLEF GROLLE, Schiller-Universität, Jena 3, D.D.R.

Aneuraceae: *Aneura pinguis*

Aytoniaceae: *Asterella africana* (Corsica), *A. cf. abyssinica* (Sierra Leone),

A. blumeana, *A. drummondii* (Australia), *A. gracilis* (Sweden, USSR),
A. linearis (Tanzania), *A. lindenbergiana* (Sweden), *A. marginata* (S. Africa),
A. pringlei, *A. saccata* (USSR), *A. sanguinea* (China), *A. syngenesica*
(Mauritius), *A. tenera* (New Zealand), *A. venosa* (Brazil), *Mannia cf.*

fragrans (Afghanistan, USSR), Mannia spp. (Hungary, Bulgaria, Afghanistan, Tanzania), Plagiochasma australe (Australia), Plagiochasma cf. crenulatum, P. rupestre, Reboulia hemisphaerica.

Blasiaceae: Blasia pusilla

Codoniaceae: Fossombronia pusilla, F. angulosa

Conocephalaceae: Conocephalum conicum, C. supradecompositum

Corsiniaceae: Corsinia coriandrina

Lophocoleaceae: Chiloscyphus pallescens (DDR: Jena)

Lunulariaceae: Lunularia cruciata

Marchantiaceae: Dumortiera hirsuta, D. velutina, Marchantia alpestris,

M. berteriana, M. calcarea, M. cataractarum, M. cataractarum var.

luzonica, M. nitida, M. palmatoides, M. planiloba, M. polymorpha,

M. stenolepida, Preissia quadrata, Weisnerella denudata

Monocleaceae: Monoclea forsteri

Pelliaceae: Pellia endiviifolia, P. epiphylla

Oxymitraceae: Oxymitra paleacea

Ricciaceae: Riccia beyrichiana, R. ciliifera, R. crozalsii, R. fluitans,

R. gangetica, R. gougetiana (Bulgaria), R. rhenana, Ricciocarpos natans

Targioniaceae: Targionia hypophylla

Treubiaceae: Treubia tasmanica

Hypnaceae: Vesicularia dubyana

Dr S. W. GREENE, Botanical Section, British Antarctic Survey, Research
Gardens Winterbourne, University of Birmingham, P.O. Box 363,
Birmingham, B15 2TT, England.

Material of Sub-Antarctic origin:-

Bartramia patens

Brachythecium spp.

Breutelia integrifolia

Calliargus sarmentosum

Chorisodontium aciphyllum

Conostomum pentastichum

Dicranoweisia spp.

Drepanocladus uncinatus

Polytrichum spp.

Racomitrium crispulum var.
crispulum

R. lanuginosum

R. striatipilum

R. willii

Tortula spp.

D. M. J. MUELLER, Department of Biology, Texas A. & M. University,
College Station, Texas 77843, U. S. A.

Plants largely from the collection of the late J. Proskauer.

Geothallus

Haplomitrium

Notothylas

Petalophyllum

Phaeoceros

Symphyogyna

Diphyscium

Fissidens spp.

Physcomitrium

Schistostega

Sphagnum

Tetraphis

A. OUTEN, 55 Arundel Road, Luton, Bedfordshire, LU4 8DY, England.

A general collection of about 100 British mosses and hepatics.

Prof. V. PROCTOR, Department of Botany, Texas University, Box 419,
Lubbock, Texas, U. S. A.

Riella affinis and other Riella clones from a number of countries.

Dr W. SCHULTZE-MOTEL, Botanischer Garten und Museum, Berlin-Dahlem
D-1000, Königin-Luise Strasse 6-8, Germany.

Chiloscyphus polyanthos	Marchantia nitida
Conocephalum conicum	M. paleacea
C. supradecompositum	M. planiloba
Corsinia coriandrina	M. polymorpha
C. marchantioides	M. polymorpha var. aquatica
Dumortiera hirsuta	M. polymorpha mut. crispa
D. velutina	M. stenolepida
Fossombronia pusilla	Pellia endiviifolia
F. caespitiformis	Plagiochasma rupestre
Lunularia cruciata	Preissia quadrata
Marchantia berteriana	Reboulia hemisphaerica
M. cataractarum var. luzonica	Ricciocarpos natans
M. multiradiata	Targionia hypophylla

Dr T. SWAIN, Royal Botanic Gardens, Kew, Richmond, Surrey, England.

Anthoceros husnotii	Oxymitra paleacea
Corsinia coriandrina	Preissia quadrata
Marchantia berteriana	Reboulia hemisphaerica
M. chenopoda	
M. domigensis	Dendroligotrichum dendroides (N. Z.)
M. paleacea	Dawsonia superba (N. Z.)
M. planiloba	
M. spp. (Borneo and New Guinea)	

Dr D. A. J. VOGELPOEL, Institute of Systematic Botany, Transitorium II,
Heidelberglaan 2, Utrecht, Netherlands.

About 100 collections of Lophocolea spp., with some gatherings of
Chiloscyphus, Saccogyna, and Calypogeia from all countries of western Europe.
Septic and aseptical cultures in growth cabinets.

Dr E. V. WATSON, Department of Botany, The University, London Road,
Reading, Berkshire, England.

Conocephalum conicum (various British forms)	Neohodgsonia mirabilis
C. supradecompositum	Oxymitra paleacea
Corsinia coriandrina	Pellia endiviifolia
Dumortiera hirsuta	Plagiochasma rupestre
Fimbriaria stahlii	Preissia quadrata
Fossombronia angulosa	Reboulia hemisphaerica
F. pusilla	Riccardia sinuata
Marchantia alpestris	Riccia beyrichiana
M. berteriana	R. crozalsii
M. calcarea	R. fluitans
M. cataractarum var. luzonica	R. gangetica
M. palmatoides	R. glauca
M. cf. planiloba	Sphaerocarpos michelii
M. polymorpha	Targionia hypophylla
M. stenolepida	Treubia tasmanica
Monoclea forsteri (New Zealand)	Weisneriella denudata

Dr H. L. K. WHITEHOUSE, Botany School, Downing Street, Cambridge, CB2 3EA, England.

Acrocarpous mosses in sterile culture.

<i>Aulacomnium androgynum</i>	<i>Funaria curviseta</i>
<i>Barbula fallax</i>	<i>Hyophila tortula</i>
<i>B. tophacea</i>	<i>Phascum cuspidatum</i> var. <i>bivalens</i>
<i>B. trifaria</i>	<i>Physcomitrella patens</i>
<i>B. unguiculata</i>	<i>Pohlia annotina</i>
<i>Bryum bicolor</i>	<i>P. cruda</i>
<i>B. bornholmense</i>	<i>P. delicatula</i>
<i>B. dixonii</i>	<i>P. drummondii</i>
<i>B. gemmiparum</i>	<i>P. gracilis</i>
<i>B. klinggraeffii</i>	<i>P. lutescens</i>
<i>B. micro-erythrocarpum</i>	<i>P. nutans</i>
<i>B. miniatum</i>	<i>P. pulchella</i>
<i>B. riparium</i>	<i>P. wahlenbergii</i>
<i>B. rubens</i>	<i>Pterygoneurum ovatum</i>
<i>B. violaceum</i>	<i>Tortula amplexa</i>
<i>Dicranella jamesonii</i>	<i>T. freibergii</i>
<i>D. rigida</i>	<i>T. latifolia</i>
<i>D. staphylina</i>	<i>T. stanfordensis</i>
<i>Ditrichum cylindricum</i>	<i>Trichostomum tenuirostre</i>
<i>D. flexicaule</i>	<i>Weissia longifolia</i>
<i>D. pusillum</i>	<i>W. multicapsularis</i>
<i>Epipterygium tozeri</i>	<i>W. rostellata</i>
<i>Fissidens taxifolius</i>	

Various unidentified species (*Bryum*, *Dicranella*, *Ditrichum*) with tubers.

Dr B. O. VAN ZANTEN, Biologisch Centrum, Rijksuniversiteit Groningen, Kerklaan 30, Postbus 14, Haren, Netherlands.

Material from New Zealand and New Guinea, collected between January and April 1974. Names in general as given in "A Handbook of New Zealand Mosses" by G. L. K. Sainsbury.

<i>Acanthocladium extenuatum</i>	<i>Fissidens rigidulus</i>
<i>Acrocladium auriculatum</i>	<i>Glyphtothecium sciuroides</i>
<i>Brachythecium</i> cf. <i>salebrosum</i>	<i>Hampeella alaris</i>
<i>Bryoerythrophyllum binsii</i>	<i>Hypnodendron colensoi</i>
<i>Bryum blandum</i>	<i>H. menziesii</i>
<i>B. curvicolium</i>	<i>H. spininervum</i>
<i>B. truncorum</i>	<i>Hypopterygium setigerum</i>
<i>B. sp.</i> , nos. 429, 469	<i>H. novae-seelandiae</i>
<i>Calomnium laetum</i>	<i>Lembophyllum clandestinum</i>
<i>Campylopodium euphrocladium</i>	<i>Leptostomum inclinans</i>
<i>Campylopus capillaceus</i>	<i>L. macrocarpum</i>
<i>C. introflexus</i>	<i>Lepyrodon australis</i>
<i>Cyathophorum bulbosum</i>	<i>Leucobryum candidum</i>
<i>Cyrtopis setosus</i>	<i>Lopidium concinnum</i>
<i>Dawsonia superba</i>	<i>Macromitrium erosulum</i>
<i>Dendroligotrichum dendroides</i>	<i>M. gracile</i> var. <i>proboscoideum</i>
<i>Dicnemon calycinum</i>	<i>Mielichhoferia australis</i>
<i>Dicranoloma cylindropyxis</i>	<i>Neckera pennata</i>
<i>D. dicarpum</i>	<i>Papillaria crocea</i>
<i>D. menziesii</i>	<i>P. flexicaulis</i>
<i>Distichophyllum pulchellum</i>	<i>Plagiothecium denticulatum</i>
<i>Ditrichum difficile</i>	<i>Polytrichadelphus magellanicus</i>
<i>Eroiopus brownii</i>	<i>Psilopilum australe</i>

Ptychomnion aciculare
Racopilum robustum
R. strumiferum
Rhacocarpus humboldtii
Rhaphidorrhynchium amoenum
Rhizogonium bifarium
R. distichum
R. mnioides

Tetraphidopsis pusilla
Thuidium furfurosus
Tortula petriei
Trachyloma planifolium
Trematodon suberectus
Tridontium tasmanicum
Weymouthia mollis

15. DEATHS

It is with great regret that we have to report the deaths of Dr H. Milne-Redhead (Mainsriddle, Dumfries) and E. Williams (Killiney, Co. Dublin).

CONTRIBUTIONS FOR THE NEXT BULLETIN
SHOULD REACH THE SECRETARY BY NOVEMBER
1st, 1974.

A. R. Perry, Hon. Secretary, Department of Botany, National Museum of Wales,
Cardiff, CF1 3NP
