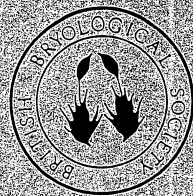


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BULLETIN  
OF THE  
BRITISH BRYOLOGICAL  
SOCIETY

*Edited by* A. R. Perry



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CARDIFF

# BRITISH BRYOLOGICAL SOCIETY



PRESIDENT: DR M.C.F. PROCTOR

## BULLETIN

No. 46. July, 1985

Edited by A.R. Perry

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#### **Sending money to the BBS from abroad**

Some non-UK resident members don't realise the cost to the BBS of cashing non-Sterling cheques. Typically this will be £2 to £3 on top of the conversion cost, which is why all the BBS invoices ask for payment in Sterling. Because we despatch goods before payment, we are dependent on members' good faith to pay the cost to the Society, and although the Sterling charge may seem a high overhead for a low cost invoice, it is the member's duty to pay it.

I have had great difficulty in getting some members who have underpaid in this way to make up the difference, which means not only expensive correspondence, but that they are being subsidised by this amount by the Society.

Could I please appeal to all members in non-Sterling areas who do not already do so, to send any remittance in Sterling. I will investigate separately whether it is possible to set up any local 'collection points', such as is done for US membership fees.

B.J. O'Shea, Hon. Treasurer, 131 Norwood Road, London SE24 9AF, United Kingdom.

# **British Bryological Society**

## STATEMENT OF AFFAIRS AS AT 31st DECEMBER 1984

<u>Liabilities</u>	<u>£</u>	<u>Assets</u>	<u>£</u>
Blackwell's 1984 a/c	2,931.33	NatWest-current a/c	1,830.00
outstanding		-deposit a/c	1,317.05
Members' credit	5.00	National Savings Bank	
Subs. in advance	110.00	investment a/c	16,667.56
Capital a/c b/fwd	13,615.37		
	-----		
	16,661.70		
<u>plus</u> excess of income	3,152.91		
over expenditure			
	-----		-----
	19,814.61		19,814.61
	=====		=====

## INCOME AND EXPENDITURE ACCOUNT, YEAR ENDED 31st DECEMBER 1984

### Income

(1983)		1984
<u>£</u>		<u>£</u>
	<u>Publications</u>	
7,058	Blackwell's - subs. to <u>J. Bryol</u> (220)	7,568.40
320	- sales of <u>J. Bryol</u> back issues	255.75
435	- sales of <u>J. Bryol</u> offprints	142.25
-	- advertising	56.00
-----		-----
7,813		8,022.40
915	Sales - through KJ Adams (BBS Library)	871.68 *1
32	- through AJE Smith (Provisional atlas/ record cards)	7.00
381	- Census Catalogues	211.00
-----		-----
9,141		9,112.08
	<u>General</u>	
4,658	Subscriptions from members	4,902.74
48	Reading Circle subscriptions	42.00
45	Postage	57.05
23	Legacies/donations	-
-	Miscellaneous	21.00
132	Grant-in-aid towards publication of <u>J. Bryol</u>	-
1,493	Interest from National Savings Bank a/c	1,622.37
35	Interest from Nat West deposit a/c	80.57
-----		-----
6,434 (ST)		6,725.73 (ST)
-----		-----
15,575		15,837.81
=====		=====

## Expenditure

(1983)		1984
£		£
	<u>Publications</u>	
7,680	Blackwell's - J. Bryol production costs	7,876.60
658	- general costs (reprints etc)	670.50
1,765	- 25% of subscription income	1,892.10
80	- 25% of sales of back issues	63.94
152	- 35% of sales of offprints	49.79
387	- servicing (postage etc)	400.80
-----		-----
10,722		10,953.73
733	Production of <u>Bulletin</u> (2 issues)	702.00
119	Printing of Jubilee history	-
-----		-----
11,574		11,655.73
	<u>General</u>	
379	Expenses - Field meetings/AGM	111.90 *2
58	Stationery, typing and telephone costs	34.38
298	Postage	171.14
67	Photocopying	6.74
138	Library purchases - books and journals	264.25
581	- for resale (lenses etc)	328.81
12	Reading Circle	50.00
50	Insurance of BBS Library	50.00
15	Subscription to Biological Council	-
-	Projects	6.95
-	Miscellaneous	5.00
-----		-----
1,598 (ST)		1,029.17 (ST)
-----		-----
13,172		12,684.90
2,403	Balance of income over expenditure	3,152.91
-----		-----
15,575		15,837.81
=====		=====

### Notes

*1 Library	Bulletins	£ 14.40	*2 Field meetings:	
sales:	Back issues	555.31	Easter (Brecon)	£ 26.94
	Euro. moss fl.	31.51	Autumn (B'ham)	84.96
	Euro. hep. fl.	46.50	-----	
	Lenses/forceps	201.00		111.90
	Photocopies/Misc	22.96		
		-----		
		871.68		

### CERTIFICATE

I hereby certify that the Income and Expenditure Account and Statement of Affairs have been prepared from the books and statements presented to me by B.J. O'Shea, Hon. Treasurer, and to the best of my knowledge and belief show a true statement of the affairs of the Society as at 31st December 1984.

Date: 11th April 1985

Signed:

H.R. Feather BA

# BBS BUDGET - 1985

## Income

	1981	1982	1983	1984	Est. 1985	Notes
<u>Publications</u>						
Sales - library	379	829	334	543	550	*1
- mapping/atlas	172	25	32	7	4	*2
- Census catalogue	710	410	381	211	100	
Royalties	372	149			25	

## General

Subscriptions from members	2828	4583	4658	4902	4920	*3
Legacies/Donations		253	23			
Grants/misc.	500		132	16		
Interest from NSB & NatWest	1944	1563	1528	1703	1850	

## Expenditure

### Publications

Blackwell's (net)	5442	2027	2909	2931	4100	*4
Bulletin	703	677	733	702	850	*5
Other printing	5016	437	119		906	*6

### General

Publicity					275	*7
Cost of meetings	111	45	379	112	120	*8
Mapping	136					
Grants given	55	111		7	122	*9
Stationery/typing/ telephone/post/copying	347	377	342	163	230	*10
Library purchases	25	321	138	264	250	*11
Insurance	15	15	50	50	50	*12
Sub. to Biological Council	18	15	15		30	

### Total

	(4963)	3787	2403	3153	516	
Number of members	481	466	489	508	510	

\*1. The amount reflects the total sales, less expenses of buying items for sale (lenses, forceps, microscopes). It does not include expenses on postage, which are included in the general overall totals of such expenses. Similarly costs of reprinting back issues would not be included here (although resulting sales would). Because stock may be purchased in one year and sold in the next, this figure is likely to fluctuate from year to year. In particular it has been assumed that a stock of microscopes will be purchased in 1985, not all of which will be sold in that year.

\*2. With a new atlas due, only very limited sales of the provisional atlas are assumed in 1985. Mapping cards may be reprinted during the year with updated nomenclature, but costs will be met by Biological Records Centre.

\*3. A more or less stable membership has been assumed.

\*4. Net cost of Journal production (= income from Blackwell's sales, less expenses, and cost of printing.) This is the amount by which we subsidise the Journal. The 1985 figure is as estimated by Blackwells, and does not take into account any reduction from changed printing methods.

\*5. Bulletin costs for 1985 are assumed to be 100 pages at £8.50 per page.

\*6. Jubilee proceedings are estimated at £600, and the reprint of Trans BBS Vol 4 Pt 4 for 1985 at £306. Any possible Publications Committee offerings are not included, and thus no 1985 budget has been assumed for this.

\*7. The expenditure for 1985 is estimated by the Publicity Officer at £50 (for notelets). The £1000 for the display boards is due in 1986, together with an extra £100 for smaller boards and posters.

Also included here are costs associated with the BBS tie. Stocks of the tie should be available in 1985, and an initial cost of £450 has been assumed for the 100 ties. 50 sales at £4.50 have been assumed.

\*8. Many Universities are now finding it necessary to charge realistic rates for conference rooms etc used for BBS meetings. We must expect this to continue.

\*9. The 1984 grant of £100 to the bryo-history project was not paid until 1985, and so is included here; £7 is assumed for the reproductive biology project. The bryohistory project has a budget of £125 for 1985, but it has been assumed that this will be paid in arrears, and will appear in the 1986 budget. A once off payment of £15 to the proposed botanical societies conservation association is included here. No additional grants have been assumed for 1985.

\*10. Much of our 'stationery' cost does not fall to the BBS budget, and this figure is thus artificially low. For 1985, an increase has been assumed.

\*11. Library purchases are currently set at a maximum of £225 per year, but are dependant on the availability of second-hand books, and the publication of new books, and are thus erratic, and unaligned with financial years. A flexible policy of expenditure is thus assumed: under-expenditure one year to be compensated for by over-expenditure the next, and vice versa.

\*12. Insurance now covers both Library and field meetings, for the same amount.

B.J. O'Shea

# REPORTS OF OFFICERS FOR 1984

## a) GENERAL SECRETARY'S REPORT

After the successful Diamond Jubilee celebrations in 1983, the year 1984 proved a relatively quiet one in the life of the Society. The spring field meeting at Brecon and the autumn paper-reading meeting in Birmingham were both enjoyable and well-attended, but, as noted in the Meetings Secretary's report, the summer field meeting at Wooler attracted only a small number of genuine enthusiasts. Even more regrettably, it proved necessary to cancel the Taxonomic Workshop through lack of support. In other respects, however, the Society appears to be in good shape. Membership remains constant at around 500 and the Treasurer reports a healthy operating profit during 1984 so that there is no immediate pressure for an increase in subscriptions. Moreover, much was going on behind the scenes in 1984 to ensure that the Society continues to function vigorously in coming years.

One initiative taken during the year was to arrange for the Society to sponsor a symposium on "Bryophyte Phylogeny: Origin and Relationships of the Major Groups" at the Third International Congress of Systematic and Evolutionary Biology to be held at the University of Sussex, Brighton, in July 1985. The symposium papers will appear in Journal of Bryology. A Publication Committee, under the able chairmanship of Miss Jennifer Ide, has been working to stimulate the production of material aimed at increasing interest in Bryology among naturalists and others as well as catering to the already committed. It is encouraging to be able to report that a "Key for Beginners", a field guide to "Mosses of the Garden", and techniques handbooks on bryological illustration and on the use of bryophytes by teachers in schools are already in preparation. Work of editing the Proceedings of the Diamond Jubilee Meeting continued in 1984 prior to publication during 1985. A discount for BBS members was successfully negotiated with Academic Press in respect of their recent "The Experimental Biology of Bryophytes" (ed. A.F. Dyer and J.G. Duckett), and it is hoped that similar arrangements can be made for future bryological books. On the conservation front, the Society agreed to collaborate with the Nature Conservancy Council in the preparation of a Site Register detailing sites of special bryological significance. Following a pilot scheme to be undertaken early in 1985, it is anticipated that the membership of the Society will be encouraged to submit relevant information from throughout the country.

Finally, it will have been noted that publication of the 1984 "July" Bulletin was unavoidably delayed for several months. Any resultant inconvenience to members is sincerely regretted.

R.E. Longton

## b) TREASURER'S REPORT (see pp. 2-5)

Following the earlier than usual receipt of Blackwell's bill, it is clear that we shall be in profit again this year, although the accounts have yet to be audited:

<u>Profit/Loss</u>	(1982)	(1983)	1984	1985*
Income	£15,024	£15,562	£15,707	-
Expenditure	£11,238	£13,244	£12,645	-
	-----	-----	-----	-----
Profit	£ 3,786	£ 2,318	£ 3,062	£ 571*

\*The 1985 figures are based on preliminary budget figures.

<u>Assets</u>	(1982)	(1983)	1984
Current account £	185	£ 355	£ 1,786
Deposit account £	2	£ 1,236	£ 1,317
Nat. Sav. Bank	£13,052	£15,045	£16,668
	-----	-----	-----
	£13,239	£16,636	£19,771

The reason for this surprisingly large profit (£2337 more than expected) came from several different areas, but the single largest element (£906) was the late appearance of the Jubilee publication. This will now appear in the 1985 accounts. Other significant elements were the reduced Journal size (£570), increased Library sales (£240) and new membership subscriptions (£220). These factors have been reflected where relevant in the 1985 budget.

Looking ahead, we have already committed ourselves to expenditure in 1986, and it may be that we will need to think of increasing subscriptions at that time, although we still have very healthy reserves and it may be more appropriate to reduce these a little before subscriptions are raised.

The most straightforward part of the Hon. Treasurer's job is the handling through the year of the income and expenditure, which in 1984 consisted of about 115 cheques to deposit and 32 cheques to write. Beyond this, the commitment is to prepare the statement for the auditor, produce the budget, participate as a member of the Council Executive and to advise on (and become involved in) general financial matters - which can be a wide-ranging brief. Personal commitments have severely inhibited this involvement in 1984, and this will continue through much of 1985.

Brian O'Shea  
March, 1985

#### c) JOURNAL EDITOR'S REPORT

Thanks to efforts of members of the editorial board papers submitted to Journal of Bryology covered a wide range of topics and were of excellent quality.

As from 1986 Journal of Bryology will be printed on art paper by offset lithography. This will produce a higher quality finish and a saving of about £80 per photographic plate (this would have meant a saving of about £1600 on J. Bryol. for 1984).

A.J.E. Smith  
March, 1985

#### d) BULLETIN EDITOR'S REPORT

Bulletin 43 was published at the end of January together with a separate, The British Bryological Society 1923-1983, by P.W. Richards. Bulletin 44 was published in early November. In recent years a print-run of 750 copies has been ordered on the assumption that subscribers to the Journal will be given, or persuaded to buy, copies. However the putting into practice of this assumption has not come about. Holdings of more recent numbers of the Bulletin are as follows:

23	36	28	5
24	23	29	3 + 1 in xerox
25	23	30	22
26	1 + 8 in xerox	31	83
27	30	32	254

33	179	39	134
34	180	40	201
35	160	41	102
36	81	42	164
37	139	43	113
38	128	44	148
		45	144

At the request of Council Dr K.J. Adams and I have discussed the matter and agreed that the BBS should retain perhaps 20 sets of the Bulletin and dispose of the rest. However, the stocks of some are very low. It has been agreed that I send subscribers a flier offering them a set of bulletin numbers 31-45 for the cost of postage and packing.

A.R. Perry  
March, 1985

e) REPORT OF THE RECORDER FOR MOSSES

During 1984, records came in steadily, at a rate similar to that in 1983. There has been little new work in Ireland; but the overall total is slightly up on that for 1983. The table shows the pattern of records. An 'old' species is one included - at whatever rank - in Dixon's Handbook.

	Old spp.	New spp.	Vars.	Total
England	51	32	15	98
Wales	12	11	8	31
Scotland	28	20	2	50
Ireland	2	2	-	4
Total	93	65	25	183

There were 36 deletions, most of them due to Crundwell and Whitehouse's revision of Gymnostomum calcareum. I rejected 56 specimens, of which 50 were based on misidentification.

I am grateful to several correspondents for drawing my attention to errors and omissions. In particular, I should like to thank Messrs Corley, Graham and Whitehouse for information about Fissidens viridulus agg., v.-c. 66, and Gymnostomum calcareum respectively.

M.O. Hill  
January, 1985

f) REPORT OF RECORDER FOR HEPATICS

There were 61 new records for 1984, fewer even than in 1982, which had the previous lowest number. The numbers of new records for England, Wales, Scotland and Ireland are 28, 10, 20 and 3 respectively. I am extremely grateful to Jean Paton for confirming a number of specimens.

M.F.V. Corley  
January, 1985

g) LIBRARIAN'S REPORT

Summary of items ordered from the Librarian between 1 January and 31 December 1984:

Sales:	Census Catalogues (old)	7
	Distribution of Bryophytes	37
	Mosses of Europe & the Azores	13
	Hepatics of Europe & the Azores	17
	Transactions (parts)	114
	Journal of Bryology (parts)	50
	BBS Bulletins	9
	German-English Glossary	9
	Library Catalogue	10
	x20 lenses	24
	stainless-steel forceps	32
Loans:	19 items of books/journals/separates	
	6 loans of slide sets	
	254 xerox copies	

Purchases:

- Ireland, R.R. (1982) Moss Flora of the Maritime Province. 738pp.  
National Museum of Natural Sciences. Publications in Botany No. 13.  
National Museums of Canada, Ottawa.
- Schuster, R.M. (ed). New Manual of Bryology. Volume 1 (1983) p 1-626.  
Volume 2 (1984) p 627-1295. Hattori Botanical Laboratory.  
Nichinan.

Although there were somewhat fewer orders in 1984 (80) than in the previous two years the numbers of items bought have increased. They suggest that sales of the Distribution of Bryophytes is settling down to c. 40 per year and that demand for the Moss and Hepatics lists will level at about 15 per year. Demand for the Transactions back numbers is still high and lenses and forceps continue to sell well. Apart from new Journal parts loaned to the reading circle however, only a handful of items is borrowed from the library collection each year. Although several L201 microscopes were ordered during the year, clients had to be disappointed as the slump in the microscope trade has resulted in them no longer being available.

Kenneth J. Adams  
January, 1985

h) BIBLIOGRAPHER'S REPORT

Two lists have again been produced this year, giving rise to a total number of references that is consistent with the figures for the past several years.

An interesting discussion was started about the relationship between the lists of current literature produced by different bryological journals and about the part that computerization might play in the production of lists. This discussion continues, but it seems a healthy move that traditional systems should be examined from time to time in the interests of efficiency and ability to provide the service that working bryologists need.

Currently, the on-line computer searching facility for recent publications provided by the library at the British Museum (Natural History) is giving access to a wider range of literature than has previously been possible. But experience has shown that this system has still to be supplemented by manual checking of references against original sources to ensure accuracy.

G.C.S. Clarke  
February, 1985

i) CURATOR'S REPORT

Voucher specimens received from the Recorders were 89 liverworts and 185 mosses. These have been incorporated in BBSUK as have 2430 liverwort packets from the Castell herbarium in the National Museum of Wales. This latter operation has been reported on more fully in Bulletin 44, 33-34 (1984).

Perhaps the largest number of specimens in any one year were sent out on loan during 1984, namely 607 specimens to 17 borrowers, this reflecting the importance of BBSUK, at least at a national level. It might be noted here that recently two specimens (both *Plagiochilas*) on two separate occasions have been received that had suffered complete destruction in the post after having been dispatched in plain envelopes without internal protection. Borrowers returning material to BBSUK must ensure it is thoroughly protected.

Would members find a use for a vice-comital catalogue of BBS voucher specimens? If so, it is possible that during 1985 such a catalogue might be produced.

A.R. Perry  
March, 1985

j) MAPPING SECRETARY'S REPORT

Biological Records Centre are still processing the field record cards submitted to them in 1983 and no information is available about the production of a bryophyte distribution atlas. It is hoped during the summer to update the nomenclature of field record cards and new cards will be produced by B.R.C. in due course. It is hoped, as happened last year, that members will continue with field recording.

A.J.E. Smith  
March, 1985

k) MEETINGS SECRETARY'S REPORT

Without exception, our local secretaries have proved themselves to be both enthusiastic and capable in laying the foundations for an attractive programme of meetings. In return, Mr John Port and Mr Ray Woods received strong support in the form of a good attendance at Brecon in the spring. Dr Dennis Lindsay, who acted as local secretary for the paper-reading meeting in Birmingham, was also rewarded by a large number of participants. That he had to work so hard on our behalf, however, is a matter for very great regret; that he did so with such good humour is of immense credit to himself. As a result, and with the generous help of his wife in preparing packed lunches, and of Mr Peter Thomson in leading the field excursion, the meeting proved enjoyable and worthwhile despite initial problems with an unprecedented number of late bookings.

Neither of the other two meetings of the year received the support it deserved. The programme arranged by Dr Philip Lightowlers for the Wooler meeting must have appealed to many more members than those few who attended. Indeed, it provided an excellent opportunity to explore a wide variety of bryophyte communities and was much appreciated by those who were able to take part. The taxonomic workshop, on the other hand, was cancelled at Keele when Dr Ruth Murphy had received scarcely any enquiries a week before it was due to be held. Nevertheless, all this year's local secretaries deserve our gratitude, particularly in that they were working under difficulties. I am also most grateful to Mr Martin Corley and Dr Mark Hill, who kindly and readily agreed to act as tutors at the taxonomic workshop; and to Professor C. Arme, of Keele University, who has generously invited the Society to arrange another meeting in the Biological Sciences Department.

I think there can be no doubt that the Society should be deeply concerned by the events of this year, for it is on the success of its meetings that its well-being depends. Taxonomic workshops held elsewhere than in the SE of England are under continual threat from low attendances and so, too, are some of the summer meetings. Since it suggests that such meetings may not satisfy the needs of the Society, I should welcome members' views.

M.E. Newton  
January, 1985

1) MEMBERSHIP SECRETARY'S REPORT

A physical check of record cards against Blackwell's computer print-out of members as of January 1985 showed Ordinary members 488, plus Hon. members 12, totalling 500. In addition there are 20 family members not receiving Journal of Bryology.

George G. Geyman  
March, 1985

m) CONSERVATION OFFICER'S REPORT

In 1984 we were approached by the Nature Conservancy Council who asked for help in identifying sites of bryological interest. As a result of these discussions Miss A.E. Newton was employed by NCC in January 1985 to work with BBS members on a three-month pilot scheme to identify sites of interest in selected counties. The data processed for each county will also be available for use in the preparation of the Bryophyte Atlas.

The demands which have been placed on most organizations concerned wholly or in part with the conservation of the British flora have increased dramatically in recent years. The part-time officers of the botanical societies have found it increasingly difficult to find time to meet these demands. The BSBI recently proposed that the botanical societies form an association which would seek funds to employ a full-time Conservation Officer. This Officer would then co-ordinate their activities and present the case for botanical conservation. This proposal will be presented to Council in 1985.

C.D. Preston  
February, 1985

n) PUBLICITY OFFICER'S REPORT

Following my request for help for publicity (Bulletin 44), I have received only two letters from members; both put forward comments and suggestions: i) the Countryman for articles, ii) bryophyte course tutors should push the B.B.S. more, iii) bryophyte postage stamps. But no material help (e.g. articles, notelet designs, material or script for the exhibition) has been volunteered at all.

Exhibition: Prof. D.H.S. Richardson says that we are welcome to draw liberally from his Biology of Mosses, and he will be able to offer help with text later in the year. Dr John Edmondson (Liverpool) thinks that he can help with ethnographic material. Dr Sinske Hattori (Japan) is making enquiries about Japanese moss gardens. I am accumulating a small file on possible material for the exhibition, but all responses so far have resulted from personal approaches.

The Visitor Centre at Ness Gardens, and the Gilbert White Museum at Selborne are both already interested in having the exhibition when it tours. Manchester

Museum would also be very interested.

Articles: I approached Dr June Chatfield (Selborne), and received an excellent response. She offered to write (and has now already done so) an article on mosses, which she is submitting (first of all) to the Natural World magazine; she publishes regularly in the semi-popular field, and may also try BBC Wildlife and some camera magazines with which she has contacts. She will mention the BBS. She did not feel that the Countryman was suitable at the moment.

Television companies: I have written individually to the Director of Documentaries (Natural History) of all fifteen Independent Television companies, plus the Head of the BBC Natural History Unit, suggesting that the B.B.S. be put on file so that we may be contacted if necessary on any matters bryological. I received enthusiastic and positive responses from Granada and the BBC: I did not expect much response from the others, except perhaps Anglia.

Lecturers: We have had a request (from Tayside) for a list of people who are prepared to give lectures. I should like to assemble a list of members who have, or are prepared to, lecture on bryophytes.

Videos and film strips: I have seen a good educational slide-package on bryophytes, prepared by Focal Point Audio-visual (Portsmouth).

S.R. Edwards  
March, 1985

#### o) READING CIRCLE SECRETARY'S REPORT

At the end of the year membership was twenty four, an increase of one. Three new members joined during 1984 but two others have failed to renew their 'subscriptions', despite reminders, and must be considered to have resigned. A total of 188 contents lists were distributed and 323 photocopy pages sent to 11 members.

<u>Income</u>			
	Members credit at 1.1.84	£56.90	
	Income cheques	£61.00	
	Total	£117.90	
<u>Expenditure</u>			
	Internal costs (postage etc.)	£27.23	
	Administration costs	£4.72	
	Total	£31.95	
<u>Excess income over expenditure</u>			£85.95
	Less members credit at 31.12.84		£85.54
<u>Balance of income over expenditure</u>			.41

R.J. Fisk  
March, 1985

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#### Sending cash abroad

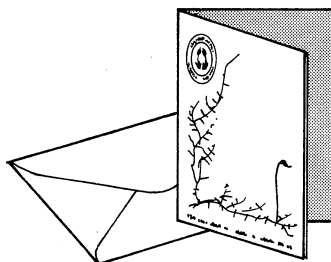
The cost of sending cheques in foreign currencies is quite high - about £3 per cheque. A cheaper alternative is to send cash by registered mail. Those able to get foreign exchange from organisations like Thomas Cook's will normally be charged about 50p for the exchange, and must then pay the £1 for PO registration. (A tough PO registered envelope costs 10p extra.) Amounts of cash up to £10 are insured for loss by this service.

B.J. O'SHEA

# COMPETITION

## ➤ Design a Notelet for the BBS

- \* final size will be A6 (folded from A4)
- \* — remember, most drawings improve if reduced, so draw on A5
- \* Black & White is cheaper than colour; one colour is cheaper than two; and half-tone is more expensive still



## ➤ Panel bashing

for the BBS travelling exhibition. We need any interesting material, text, anecdotes, historical or ethnographic material or information, etc., to fill eight 6ft x 4ft panels. Eye-catching or unusual photographs will be most welcome, and will be treated with the greatest care.

TIME IS GETTING SHORT for the launch of this major exhibition next year

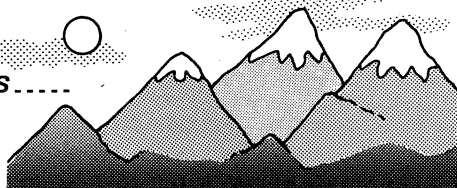
## Prizes:

### *A Holiday for Two in the ANDES.....*

... is unfortunately beyond our means. We are thinking more in terms of a few free packets of your own notelet design, or a BBS tie or two. But we have to catch your eye — the last request for help (Bulletin 44) raised only two replies, neither with any material contributions.

**Please** contribute your skills, knowledge, and time; for fuller details see BBS Bulletin 44 pp. 12-13. Write to: S.R. Edwards, BBS Publicity Officer,

The Museum,  
The University,  
MANCHESTER M13 9PL



MINUTES OF THE ANNUAL GENERAL MEETING, BIRMINGHAM, 1984

Minutes of the Annual General Meeting, held at the Manor House, Birmingham University, at 4.50 p.m. on 15 September, 1984.

PRESENT: M.C.F. Proctor (in the Chair) and 37 other members.

(1) APOLOGIES FOR ABSENCE: Apologies were received from S.R. Edwards, J.C. Gardiner and E.V. Watson.

(2) MINUTES: The minutes of the last AGM, held at Bedford College, London, on 17 September, 1983, were approved with minor corrections.

(3) MATTERS ARISING: There was none.

(4) OFFICERS REPORTS FOR 1983:

(a) GENERAL SECRETARY: The General Secretary reported with regret the death of an Honorary Member, Dr L.I. Savicz-Ljubitzkaja of Leningrad. The meeting stood in silence as a mark of respect.

(b) TREASURER: The Treasurer reported that the price of back issues of the Transactions and the Journal has been increased. Details would be given in a forthcoming issue of the Bulletin.

(c) MAPPING SECRETARY: In response to a question from the President, the Mapping Secretary said it was not clear when the Atlas would be published. Much would depend on the speed at which data was input at the Biological Records Centre.

(d) CONSERVATION: The Conservation Officer reported that the Society had been approached by the Nature Conservancy Council with a view to producing a Bryophyte Site Register for England, and eventually for Great Britain. The Society had responded positively to this request and had appointed a Working Group to coordinate the work. Its members were H.L.K. Whitehouse (Chairman), C.D. Preston and R.E. Longton. It was proposed to undertake a pilot scheme covering two counties by the end of March 1985, and to begin collecting data more widely. The Nature Conservancy Council was to employ a person to undertake the pilot scheme. Details would be given in the January, 1985 Bulletin.

(e) READING CIRCLE SECRETARY: S.W. Greene asked whether the Reading Circle was at present operating within the law governing copyright. The Reading Circle Secretary agreed to investigate the position and to keep abreast of future developments.

(f) MEMBERSHIP SECRETARY: It was reported that membership currently stands at 508.

There were no comments on the other officers' reports. Acceptance of the reports was moved by H.L.K. Whitehouse, seconded by S.W. Greene, and carried unanimously.

(5) PUBLICITY: The General Secretary noted that the Publicity Officer, S.R. Edwards, had taken office at the beginning of 1984. He had made many suggestions for stimulating a wider interest in Bryology and several of these had been implemented by Council. For example, a professionally produced travelling exhibit was to be constructed in conjunction with the Museum and Art Gallery Service for Yorkshire and Humberside. A note will appear shortly in the Bulletin seeking appropriate designs for BBS notelets.

(6) REPORT FROM COUNCIL: The General Secretary reported that Council had decided that a Council Newsletter should appear regularly in the Bulletin as a means of improving communication between Council and other members. It will review the principal decisions made by Council and comment on matters under consideration. The views of members on these and other topics will be invited and it is hoped that a lively dialogue will result.

(7) ELECTION OF COUNCIL MEMBERS: The General Secretary noted three Council Members should be elected for two-year terms from 1 January, 1985, replacing E.C. Wallace and P.J. Wanstall who were retiring and S.R. Edwards who had become Publicity Officer. Council had nominated Jennifer Ide, J.G. Duckett and P.J. Lightowlers, and no other nominations had been received. It was proposed by T. Blockeel and seconded by P.J. Wanstall that Miss Ide, Professor Duckett and Mr Lightowlers be elected; this was carried unanimously.

(8) DATE AND PLACE OF THE NEXT AGM: The Membership Secretary outlined her plans as follows, and these were approved:

Taxonomic Workshop, 1984: 17-18.11.84, University of Keele, local organizer Ruth Murphy.

Spring Meeting, 1985: 17-24.4.85, Chichester, Sussex, R.C. Stern.

Summer Meeting, 1985: 28.7-3.8.85, Bavaria Alps, R. Duell.

Autumn Meeting, 1985: National Museum of Wales, Cardiff, A.R. Perry.

Taxonomic Workshop, 1985: Gilbert White Museum, Selborne, June Chatfield.

Spring Meeting, 1986: Norfolk, R. Stevenson and R.P. Libby.

Summer Meeting, 1986: Fort William and Isle of Mull, D.G. Long and G.P.

Rothero.

Autumn Meeting, 1986: possibly Leeds.

Taxonomic Workshop, 1986: a workshop on culture techniques at Cambridge or Reading is being considered.

Martha Newton then suggested the possibility of a winter meeting in the Mediterranean region. A.C. Crundwell recommended consulting the bryophyte working group of OPTIMA who might suggest a location that could usefully be worked. He said that February or March would be the best time in the Mediterranean region and that early December would be favourable in the Canary Islands. K.J. Adams noted that assistance might be given with the European Mapping Scheme. The President supported the idea of a southern winter meeting but asked whether it should replace or be additional to the normal meetings. Several members noted that it would be difficult for many people to arrange leave from work during the periods suggested, but on a show of hands 18 members indicated that they would consider participating.

The Meetings Secretary also noted that Workshops on special topics such as bryophyte cytology or photography were under consideration. G.G. Geyman suggested that they might be combined with the Autumn meetings.

(10) ANY OTHER BUSINESS: There being no other business the President thanked the officers for their efforts during the year and D.C. Lindsay for his enthusiastic work as local secretary in making arrangements at the Manor House.

The meeting adjourned at 6.10 p.m.

## FUTURE MEETINGS OF THE SOCIETY

Members are recommended to read the B.B.S. Provisional Safety Code, published in Bulletin 43 and available from local secretaries for inspection during B.B.S. meetings.

### SUMMER FIELD MEETING, 1985, Bavarian Alps, 28 July - 3 August.

Organizer & Local Secretary: Prof. Dr R. Duell. Lehrstuhl f. Biologie (Botanik), Padagog, Hochschule, 4100 Duisburg 1, Lotharstrasse 65, West Germany. Mr A.R. Perry, Department of Botany, National Museum of Wales, Cardiff, CF1 3NP, has agreed to co-ordinate bookings from members in Britain. Full details of arrangements were published in Bulletin 45.

### ANNUAL GENERAL MEETING AND PAPER-READING MEETING, 1985, National Museum of Wales, Cardiff, 21 - 22 September.

Local Secretary: Mr A.R. Perry, Department of Botany, National Museum of Wales, Cardiff, CF1 3NP. (Tel. Cardiff (0222) 397951 ext. 267 (work); (0222) 515531 (home)).

Accommodation has been reserved in one of the University halls of residence, and all bookings should be made through the local secretary before 19 AUGUST. The cost of full board per day will be £15.80 (+ V.A.T.) and of bed and breakfast, £9.50 (+ V.A.T.). Full details, itemised for the convenience of members wishing to attend only part of the meeting, are available from the local secretary.

Speakers who have kindly agreed to contribute to the meeting include the following:

Professor R.S. Clymo & Professor J.G. Duckett (Queen Mary College, London).  
Regeneration of Sphagnum.

Mr M.F.V. Corley (Faringdon, Oxfordshire). The bryophyte flora of the British Isles during and after the Ice Age.

Dr J.A. Lee (University of Manchester). Nitrogen as a factor in bryophyte ecology.

Dr P.J. Lightowlers (Institute of Terrestrial Ecology, Penicuik). The systematics of austral Tortula: unravelling southern hemisphere taxa of a temperate genus.

Dr C.D. Preston (Monks Wood, Huntingdon). The Greek bryoflora: an English view.

Dr M.C.F. Proctor (University of Exeter). Amateurs, professionals and the study of bryophyte distribution.

Dr P.E. Stanley (Cambridge). The life of W.E. Nicholson.

The ANNUAL GENERAL MEETING will be held on Saturday 21 September in the National Museum of Wales at 4.50 pm following the paper-reading.

In the evening, by kind permission of the Director, Dr D.A. Bassett, the Museum will give a buffet supper in the Department of Botany. Members will there have an opportunity of consulting its bryological library and bryophyte collections (60,000 specimens) and seeing the Herbarium of the British Bryological Society (30,000). Offers of posters and demonstrations would be welcome.

On Sunday 22 September a field excursion will be arranged in Glamorgan.

### TAXONOMIC WORKSHOP, 1985, Gilbert White Museum, Selborne, 2 - 3 November.

Local Secretary: Dr J.E. Chatfield, The Gilbert White Museum, "The Wakes", Selborne, Alton, Hants, GU34 3JH. (Tel. Selborne (042050) 275, work; Alton

(0420) 82214, home).

It is proposed to concentrate on the larger, common bryophytes of woodlands, with particular attention being given to the guidance of beginners. Mr A.C. Crundwell, Dr F. Rose and Mr R.C. Stern have kindly agreed to act as leaders and tutors. Full details of the programme and of accommodation and transport facilities in the vicinity can be obtained from the local secretary. Please send a stamped, addressed envelope.

SPRING FIELD MEETING, 1986, East Dereham, Norfolk, 2 - 9 April

Local Secretary: Mr R. Stevenson, 111 Wootton Road, King's Lynn, PE30 4DJ.

In addition to a full and varied programme of field excursions during the week, Mr Stevenson and Mr R.P. Libbey are attempting to arrange a day's formal tuition, with laboratory facilities, on April 2. It is hoped that beginners, including non-members, who take advantage of this will also take part in the main part of the programme and enjoy the informal tuition which is usual to such meetings.

The headquarters will be the King's Head Hotel, but details of other accommodation in the area and of the programme itself will be available from the local secretary.

SUMMER FIELD MEETING, 1986, Fort William, 23 - 29 July, and Gairloch, Wester Ross, 30 July - 5 August.

Local Secretaries: Mr G.P. Rothero (for Fort William), Benmore Centre, by Dunoon, Argyll, Scotland; Mr D.G. Long (for Gairloch), Royal Botanic Garden, Edinburgh, EH3 5LR.

Full details will be published in the next Bulletin.

ANNUAL GENERAL MEETING AND PAPER READING MEETING, 1986, University of Leeds.

Local Secretary: Professor D.J. Cove, Department of Genetics, University of Leeds, LS2 9JT.

It is intended to reserve accommodation in a University hall of residence. Full details, including the programme of speakers, will be included in a later Bulletin.

TAXONOMIC WORKSHOP, 1986, University of Reading.

It is hoped that this meeting, under the guidance of Dr R.E. Longton and Dr H.L.K. Whitehouse, will provide an opportunity to gain experience of culture techniques which have proved successful for bryophytes. Further information will be available in a later Bulletin.

SPRING FIELD MEETING, 1987, Achill Island, Co. Mayo, and Westport.

Dr D. Synnott has kindly offered to organize a fortnight's meeting that, in the first week, will offer the opportunity to prepare a bryophyte flora for publication. In advance of the meeting, Dr Synnott would obtain all pertinent information about Achill Island and make it available to participants. It is proposed that all members would visit bryologically rich areas for the purpose of recording but that smaller groups would work in the potentially less rich sites. In addition to this combined effort in recording, it is hoped that the writing of the flora will also be shared.

The second half of the meeting will provide an opportunity to explore the area

around Westport. Further details will be published in a later Bulletin.

PAPER-READING MEETING AND ANNUAL GENERAL MEETING, 1987.

According to precedent, this should be arranged for the southern part of England or Wales.

TAXONOMIC WORKSHOP, 1987.

Following our usual pattern, this is due to be held in northern England.

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OTHER BRYOLOGICAL MEETINGS

- 5 - 10 August, 1985: I.A.B. Conference of Bryoecology, Vacratot and Budapest, Hungary. Details are available in Bulletin 44.
- 9 - 16 August, 1985: Mosses and Liverworts. Dr M.E. Newton, Preston Montford Field Centre, Montford Bridge, Shrewsbury, SY4 1DX. Details from the Warden, Mr J.A. Bayley at the above address.
- 12 - 14 August, 1985: 4th Meeting of Central and East European Bryologists, Eger, Hungary. Details are available in Bulletin 43.
- 27 September - 4 October, 1985: Bryophytes. A course on Mosses and Liverworts for beginners based at Glenshieling Guest House, Blairgowrie, Perthshire. Cost £170. This course is run by our member Brian Brookes through whom bookings should be made at his address - Woodend, Enochdhu, Blairgowrie, Perthshire, PH10 7PW. See "New Field Courses in the Highlands", below.
- 5 - 7 February, 1986: Conference in Bryology, Panjab University, Chandigarh, India. Details are available from Professor S.S. Kumar, Panjab University, Botany Department, Chandigarh 160 014, India.
- July or August, 1987: I.A.B. Bryological Methods Workshop, Mainz, Germany.

Details are available in Bulletin 44.

NEW FIELD COURSES IN THE HIGHLANDS

After many years as Warden of Kindrogan Field Centre in Perthshire, Brian Brookes is offering a programme of courses of his own at various places in the Highlands of Scotland from Skye and Morvern to Perthshire, during the summer. These are mostly of general interest and they will appeal to beginners and specialists alike.

His move means that he will not be running the bryophyte week at Kindrogan in September which was intimated in the February Bulletin. Instead he is offering a similar course based at a Guest House in Blairgowrie from September 27th - October 4th.

Brian will be pleased to provide further information on this course and his full programme. He can be contacted (s.a.e. appreciated) at Highland Field Studies, Woodend, Enochdhu, Blairgowrie, Perthshire, PH10 7PW. Telephone Strathardle (025081) 375.

### Proposed changes in the Rules of the Society

A number of changes in the Rules of the Society will be proposed by Council at the Annual General Meeting to be held at the National Museum of Wales, Cardiff, on 21 September 1985. The main objective of these changes is to bring the Rules in line with current practice, for example by dropping the requirement that prospective members be nominated by an existing member, and by referring to the Bulletin as an official organ of the annual subscription should no longer be part of the rules, as an administrative convenience, although the procedures to be adopted by Council in seeking approval of the membership for a change in the subscriptions would remain unaltered. A copy of the proposed new Rules is being circulated to members with this issue of the Bulletin. Any member wishing to consult a copy of the current rules should write to the General Secretary.

### Nomination of Officers and Elected Members of Council

Mr G. Bloom, currently Vice-President, will succeed Dr M.C.F. Proctor as President of the Society on 1 January 1986 for a two year term. The terms of all other officers expire at the end of 1985, and nominations are invited. Present officers are eligible for re-election but our Membership Secretary, Mr G.G. Geyman, and Recorder for Mosses, Dr M.O. Hill, wish to resign. Three elected members of Council, Dr M.A.S. Burton, Professor D.H. Lewis and Mr P.J. Port also retire at the end of 1985. They are not eligible for re-election until two years have elapsed and nominations for their replacement are invited. Nominations for officers and elected members should be sent to the General Secretary, Dr R.E. Longton, Department of Botany, The University, Reading, RG6 2AS by 24 August 1985. Nominations must not be made without the consent of the person concerned. If elections are necessary they will be held at the AGM at the National Museum of Wales, Cardiff, on 21 September 1985.

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### RESULTS OF BBS PHOTOGRAPHIC COMPETITION 1983

#### Slides:

- |   |  |  |
|---|--|--|
| 1 | <u>Polytrichum commune</u>             | N. Bamforth, Manchester                            |
| 2 | <u>Orthothecium rufescens</u>          | R. Walker, Kendal                                  |
| 3 | <u>Daltonia angustifolia</u> on weevil | F. Verdonk, sent in by<br>Dr R. Gradstein, Utrecht |

#### Prints:

- |   |                                |   |
|---|--------------------------------|---|
| 1 | <u>Buxbaumia aphylla</u>       | William G. Stewart, St Thomas,<br>Ontario.        |
| 2 | <u>Polytrichum juniperinum</u> | T.H. Shepherd, Oxford.                            |
| 3 | Fossil hepatics in amber       | Dr L. Lepper, sent in by<br>Prof. R. Grolle, Jena |

# NEW VICE-COUNTY RECORDS AND AMENDMENTS TO THE CENSUS CATALOGUES

All undated records are based on specimens collected in 1984. The names and numbers follow Corley & Hill, Distribution of bryophytes in the British Isles: a census catalogue of their occurrence in vice-counties (1981).

## HEPATICAE

M.F.V. CORLEY

- 2.1 Phaeoceros laevis, a ssp. laevis, deep cleft on sea cliff, Seana Chamas, nr Melvaig, Gairloch (105), Long.
- 9.2 Marchantia alpestris, gaps between paving slabs, Burnside Crescent, Chelmsford (19), A.D. Boniface; path by main road, near bridge over R. Wye, Ross-on-Wye (36), Stern.
- 12.1 Riccia cavernosa, exposed mud at margin of lake, Stackpole, Bosherton (45), Orange; exposed mud, More Hall Reservoir, Ewden, NW of Sheffield (63), Blockeel; mud, Cameron Reservoir, St Andrews (85), Hill (existing record, Trans. Br. bryol. Soc. 6, 186, 1970, is unlocalised; partially dried-out river backwater, bank of R. Tay nr Delvine (89), Stirling.
- 12.4 R. fluitans, stagnant ditch, Coed Talon Banks, nr Treuddyn (51), G. Wynne & Mrs J.A. Green.
- 12.5 R. rhenana, floating in shallows, The Warren Pond, opposite Queen Elizabeth's Hunting Lodge, Epping Forest (18), Adams.
- 13.2 Metzgeria temperata, on Salix in damp wooded valley below Corglass, Glencar Lough (H.29), Long.
- 13.5 M. leptoneura, delete 64, specimen (BBSUK) is M. conjugata, comm. Blockeel.
- 17.4 Riccardia palmata, delete 63, specimen (CMM) is not this species, comm. Blockeel.
- 18.2 Pellia neesiana, flush by right bank of main stream in Callow Hollow, Long Mynd (40), Newton.
- 22.9 Fossombronina fimbriata, damp soil by burn, Bizzle Burn above Dunsdale, Cheviot (68), Long, new to England; damp gravel on river bank, Corriemulzie River SW of Corriemulzie Lodge (106), Long et al.
- 24.1 Haplomitrium hookeri, amongst Pellia neesiana on damp soil by burn, Bizzle Burn above Dunsdale, Cheviot (68), Long.
- 25.1 Chandonanthus setiformis, block scree near summit of Sron na Creise, Glen Etive (98), Rothero.
- 26.2 Barbilophozia kunzeana, with other bryophytes under Calluna in damp moorland, Moel Dywyll, SW of Cilcain (51), Blackstock et al., new to Wales.
- 26.6 B. hatcheri, delete 54, see below; delete 59, 60, specimens (NMW) are B. floerkei comm. Wigginton; 64, record in Bull. Br. bryol. Soc. 44, 1984, misprinted as 54.
- 26.8 B. barbata, scattered stems in acidic grassland, Moel Dywyll, SW of Cilcain (51), Blackstock et al.
- 28.1 Lophozia ventricosa a var. ventricosa, among boulders in scree, Cadha Dhearg, W side of Seana Bhraigh (105), Corley; c var. longiflora, wet shale on bank of stream, Coldstone Beck, Burley Moor, nr Ilkley (64), Blockeel.
- 28.3 L. wenzelii, flush below snow patch, N side of Beinn Dearg (105), Corley et al.
- 28.10 L. bicrenata, roadside bank, Nant-y-Moch Reservoir, W of Plynlimon (46), Paton; soil on centre of track, Kinloch, Rhum (104), Pitkin & Corley.
- 29.3 Leiocolea heterocolpos, shady cleft on basic cliff, Bizzle Crag, Cheviot (68), Long.
- 31.1 Sphenolobopsis pearsonii, damp rock-face in N-facing gully, NW end of ridge N of Creag an Duine, Seana Bhraigh (106), Long et al.
- 35.4 Tritomaria polita, damp flushes on basic rock outcrops, SE end of Loch

- Luchd Coire, Seana Bhraigh (106), Long.
- 36.1 Jamesoniella autumnalis, almost prostrate trunk of Sorbus torminalis, beside stream below Lord's Yard, Wyre Forest (37), Paton.
- 38.14 Jungermannia subelliptica, thin soil on slaty scar by beck, Croasdale, nr Slaidburn (64), Wigginton.
- 40.3 Marsupella funckii, peaty soil overlying rocks in open ravine, stream below Loch Luchd, Seana Bhraigh (106), Corley.
- 40.10 M. brevissima, boulder near summit of Hallival, Rhum (104), Corley & M.D. Vickers.
- 42.1 Acrobolbus wilsonii, basic schist in deep ravine, Allt na Cubhaige, Garrachra, Glenmassan, Cowal (98), Rothero.
- 46.1 Plagiochila carringtonii, in bryophyte turf amongst boulders on exposed hillside, N ridge of Benbaun, Twelve Bens (H.16), Long.
- 46.4 P. britannica, limestone boulder, disused limestone quarry in wood by Menai Straits, Bangor (49), Yeo & A.J.E. Smith.
- 46.8 P. punctata, rocks on NE-facing cliff below Loch Luchd Coire, Seana Bhraigh (106), Corley et al.; delete H.28, specimen (BBSUK) is P. spinulosa, comm. A.J.E. Smith.
- 54.3 Diplophyllum obtusifolium, clay underhang on steep bank by forestry track at Ae Village (72), Corner.
- 55.4 Scapania scandica, soil on schist rocks by stream, W slope of Ben Vorlich above L. Sloy, Arrochar (99), Long.
- 55.5 S. curta, sandy-peat soil, bank in lowland pasture, Whitewell (60), Wigginton, 1983.
- 55.6 S. lingulata, rotten log on hillside beneath scattered trees, wood above Pyrgad, northern end of Dyffryn Cwannon (42), Yeo; on dead stem of Sedum roseum on cliff ledge, SE end of Loch Luchd Coire, Seana Bhraigh (106), Long.
- 55.18 S. paludosa, rocks in snow melt stream, N slope of Beinn Dearg, Inverlael Forest (105), Chamberlain & Long.
- 55.19 S. aequiloba, shady cleft on basic cliff, Bizzle Crag, Cheviot (68), Long; limestone crags, Peakadaw, Glenade (H.29), Paton, 1969.
- 56.1 Adelanthus decipiens, damp shaded vertical rock-face, Baysbrown Wood, Langdale (69), Wigginton.
- 57.4 Odontoschisma macounii, damp basic rock ledges in steep gully, W slope of Creag an Duine, Seana Bhraigh (106), Long & Rothero.
- 58.1 Cephalozia elachista, amongst Odontoschisma, raised mire, Walton Moss, nr Brampton (70), Wigginton; Dogden Moss, NW of Greenlaw (81), Paton, 1976; delete H.20, no specimen traced, comm. Paton.
- 58.2 C. subdentata, peat on Calluna hummock, Tarn Moor, S of Askham (69), Paton, 1982; amongst Sphagnum, raised mire, Walton Moss, nr Brampton (70), Wigginton; delete 3, none present in packet (BBSUK); delete 5, specimen (BBSUK) is C. rubella; delete 24, specimen indeterminate (CGE); delete 48, specimen (BBSUK and others) is C. rubella; delete 108, specimen (CGE) is indeterminate; delete H.29, specimen (BBSUK) is indeterminate; delete H.34, H.35, vouchers mislaid, all comm. Paton.
- 58.3 C. rubella, sandy peat among heather, Knettishall Heath, near Diss (26), A.C. Smith.
- 58.8 C. massalongi, Paton (1984) has revised the distribution as follows: 1-3, 48, (49), 52. H.3, H.6.
- 58.8A C. nicholsonii, Paton (1984) has reinstated this as a species and has given the following distribution: 1-4, 48.
- 59.4 Cephalozia loitlesbergeri, amongst Sphagnum on raised mire, Walton Moss, Brampton (70), Wigginton.
- 61.2 Cladopodiella fluitans, amongst Sphagnum in bog, Snelmore Common, nr Newbury (22), Brough.
- 65.3 Kurzia sylvatica, shaded damp rock ledge in sandstone crags, Callaly Crag, nr Whittingham (68), Yeo.
- 69.1 Calyptogeia neesiana, peat surface in eroding blanket mire, near S end of Llyn Anafon, W of Drum (49), Blackstock.

- 69.4 C. trichomanis, acid sandstone rocks, Sweeney Mountain, SSW of Oswestry (40), Benoit.
- 71.1 Trichocolea tomentella, Redhill Wood, nr Newbury (22), R. Hornby.
- 72.2 Ptilidium pulcherrimum, trunk of tree, western side of Hatfield Forest (19), Wallace.
- 77.1 Porella arboris-vitae, ground flora, woodland fringe by R. Camel, Colquite Wood, Hellandbridge, nr Bodmin (2), Murphy; chalky soil around damp burrow entrances in scarp beech wood, Quarry Wood, Bisham (22), Bates.
- 77.4 P. cordaeana a var. cordaeana, rocks at edge of loch at head of Glen Sguaib, Beinn Dearg (105), Corley et al.
- 77.5 P. pinnata, downstream side of large rock in R. Wye below Erwood (42), Woods.
- 78.2 Frullania tamarisci, on fallen tree, Hatfield Forest (19), Wallace.
- 83.8 Lejeunea ulicina, bark of old oak tree in wood on shore of Caban Coch Reservoir, Llansantffraed Cwmdeuddwr (43), Woods.
- 85.1 Cololejeunea calcarea, basic cliff ledges, N end of Bizzle Crag, Cheviot (68), Long.

#### MUSCI

#### M.O. HILL

- 1.15 Sphagnum molle, delete 63, specimen (BBSUK) is S. subnitens.
- 1.17 S. compactum, near pond in wood, Bencroft Wood, near Hoddesdon (20), Yeo & S. Ford.
- 1.19 S. auriculatum a var. auriculatum, flush by Feithe Buidhe, above Loch Avon, Cairngorms (94), Yeo: b var. inundatum, west side of Girnwood Loch, 13 km S of Ettrickbridge (79), Corner, 1976.
- 1.26 S. pulchrum, bog W of Crask Inn, 10 km SSW of Altnaharra (107), Ms E. Charter.
- 1.27 S. recurvum a var. amblyphyllum, side of main waterfall pool in shaded ravine, lower Cwm Bryn Moel, Dylife (47), Bates, 1983; marsh beside reservoir, 1 km N of Moel Famau, Clwydian Hills (51), Hill & Yeo.
- 5.2 Polytrichum longisetum, exposed eroded peat slope, N ridge of Seana Bhraigh (106), Long & Rothero.
- 14.5 Ditrichum zonatum a var. zonatum, in flush below snow patch, N side of Beinn Dhearg (105), Corley et al.; in late snow area in gulley, N slope of Bidean an Eoin Deirg, West Monar Forest (106), Long, 1983.
- 18.5 Seligeria paucifolia, record published last year should read v.-c. 32, not 30 as published.
- 18.8 S. recurvata, on flint in scrubby woodland, Hillhampton Down, Butser (11), Crundwell.
- 21.1 Ceratodon purpureus b ssp. conicus, delete 63, specimen (CMM) is Desmatodon cernuus, det. & comm. Blockeel.
- 23.1 Rhabdoweisia fugax, dry crevice in slate rocks, above Afon Twymyn, nr Pennant Falls, Dylife (47), Bates.
- 24.3 Cynodontium jenneri, delete 66, not traced, comm. Graham.
- 26.1 Dichodontium pellucidum, on brick submerged in small stream in wood, between Holliday's Plain and Standinghill Woods, Windsor Forest (22), Bates.
- 28.5 Dicranella subulata, moist peaty clay by upland flush, Croasdale, nr Slaidburn (64), Wigginton.
- 28.8 D. staphylina, bare soil beside powerhouse, Kinloch, Rhum (104), Corley.
- 31.2 Kiaeria blyttii, delete 66, not traced, comm. Graham.
- 32.1 Dicranum glaciale, among boulders below snow patch, N side of Beinn Dearg (105), Corley et al.

- 32.4 D. leioneuron, sparsely, among Pohlia nutans, Traeth Mawr, nr Libanus (42), Appleyard.
- 32.9 D. fuscescens b var. congestum, among Empetrum etc., on summit ridge, Seana Bhraigh (106), Corley.
- 32.12 D. montanum, on old pollarded oak, damp woodland N of Bailey-Bevan, Llanfihangel Helygen (43), Woods.
- 32.14 D. tauricum, on oaks, Vale of Whitmoor, nr Grayshott (12), Crundwell; old elders in wood, Whitehill Farm, 2 km N of Stopsley, nr Luton (30), Outen, 1973; base of old oak, oak-ash woodland on boulder clay, Aversley Wood (31), Hodgetts; trunk of mature oak at base of hillside woodland, Coed Talon, SE of Mold (51), Blackstock & A.J. Deadman.
- 34.11 Campylopus introflexus, on hummocks in wet birch-conifer woodland, Stapleford Moor (53), Hodgetts, 1983; sand dunes, Holy Island (68), Lightowlers, 1983.
- 36.2 Leucobryum juniperoideum, College Wood, nr Woodcote (23), Bloom; ground beneath oaks, Stockgrove Country Park, nr Leighton Buzzard (30), Yeo; on trunk of old oak, Dynevor Deer Park, Llandeilo (44), Orange.
- 37.2 Fissidens viridulus, earthy bank at back of shore, Watermill Cove, St Mary's, Isles of Scilly (1), Paton & Long; soil on bank beneath grassy slope, Porth Wen, nr Amlwch (52), Yeo & Hill; delete H.15, specimen (cited below) is F. limbatus.
- 37.2A F. pusillus b var. tenuifolius, vertical face of limestone boulder in disused quarry, beside Menai Straits nr Bangor (49), Yeo.
- 37.2B F. limbatus, side of pit in woodland, Panshanger, nr Welwyn Garden City (20), Bloom, 1977; soil on south bank above river, the Punchbowl, Gort (H.15), Paton, 1968, conf. Corley.
- 37.3 F. incurvus, on soil in shaded crevice of limestone cliff, Craig y Cilau, Llangattock (42), Corley.
- 37.7 F. monguillonii, slightly shaded silt-covered rock, beside A. Tywi, nr Llwyn-maen-du-isaf, nr Llandeilo (44), Orange.
- 37.9 F. rufulus, on rocks by river, Great Wood, near Eggleston, Teesdale (66) Lightowlers, 1980; on rocks at river edge, Lin Bridge, River Coquet (68), P. Martin.
- 37.11 F. exilis, soil on side of ditch, wood N of Reffley Springs, King's Lynn (28), Stevenson, 1983; bank in field by Porth Wen, W of Amlwch (52), Hill & Yeo.
- 37.12 F. celticus, friable soil in pasture in sheltered gill, Hebblethwaite Gill, nr Sedbergh (65), Blockeel.
- 40.1 Tortula ruralis b ssp. ruraliformis, on low concrete wall in pasture, nr Overthorpe (32), Wigginton.
- 40.5 T. virescens, wet concrete path by church, Clifton parish churchyard (30), Outen, 1983; tarmac path in churchyard, Buckden (31), Yeo.
- 40.6 T. laevipila b var. laevipiliformis, on bole of oak in pasture, Nether Barrow (60), Wigginton.
- 40.9 T. marginata, old brick wall, Higher Berry End, nr Woburn (30), Yeo & Outen, 1983.
- 40.13 T. vahliana, bare soil at foot of limestone rocks, Chudleigh (3), Crundwell, 1974.
- 40.17 T. rhizophylla, gravelly soil derived from granite, vertical banks at the back of the shore, NE coast of St Mary's, Isles of Scilly (1), Paton & Long.
- 41.3 Aloina aloides a var. aloides, ride, Stubb's Copse, North Waltham (12), Crundwell; on stonework of ruined mine building, copper mines above Allihies (H.3), Long: b var. ambigua, on mound of sandy soil at edge of arable field, Wilbury Hill, near Letchworth (30), Yeo, 1983.
- 45.2 Pottia starckeana b var. brachyodus, soil on stony bank beside track, Great Ormes Head (49), Yeo: d ssp. minutula, grass field at edge of Hinderclay Fen, near Diss (26), A.C. Smith.

- 45.3 P. commutata, wet clay by road, Langdon Beck, Teesdale (66), Eddy, 1961, comm. Graham.
- 45.10 P. bryoides, gravel path in churchyard, North Waltham (12), Crundwell; soil in garden, Eyeworth (30), Yeo.
- 46.1 Phascum cuspidatum c var. schreberanum, arable field, Potton (30), Yeo, 1983.
- 48.1 Hyophila stanfordensis, W bank of R. Dee, Eccleston (58), Fisk: soil crevice in exposed tree root, Museum Gardens, York (62), Preston.
- 49.8 Barbula reflexa, machair, Kilmory, Rhum (104), Corley & Pitkin.
- 49.15 B. nicholsonii, on concrete beside stream flowing out of river, R. Ivel Navigation, nr Shefford (30), Yeo, 1983; embedded in sand on boulder, by R. Lune, Kirkby Lonsdale (69), Blockeel.
- 50.1 Gymnostomum calcareum, delete 1,2,4,9,44,45,49,H4,H5,H6,H11,H14, specimens are G. luisieri, det. Crundwell & Whitehouse; delete 5,12,62,66,95,108,112, specimens (BBSUK) are Gyroweisia tenuis, det. Whitehouse & Crundwell; delete 6, specimens (herb. Appleyard) are variously G. luisieri, Leptobarbula berica or Oxystegus sinuosus, det. Whitehouse; delete 8, specimen (BBSUK) is Leptobarbula berica, det. Whitehouse, conf. Hill; delete 10, no specimen traced, comm. Whitehouse; delete 15, specimen (BM) is Oxystegus sinuosus; delete 33,40,65, specimens (BBSUK) are Oxystegus sinuosus, det. Whitehouse, conf. Hill; delete 105, specimen (GL) is G. aeruginosum, det. Crundwell, comm. Whitehouse; delete H8, specimen (BBSUK) has recurved leaf-margins, it is not G. calcareum but its identity is unknown; delete H38, specimen (BM-Dixon) is Gyroweisia tenuis, det. Whitehouse; and add - clefts in low-altitude limestone between road and Loch Tay, 3 km E of Killin (88), Kenneth, c. 1980, det. Whitehouse; limestone rocks, Glen Dubh, Inchnadamph (108), H.N. Dixon et al., 1899 (CGE), comm. & det. Whitehouse; on mortar of wall, foot of Torc Cascade, Killarney (H.2), P.R. Bell & Jones, 1951 (herb. E.W. Jones), conf. Whitehouse & Hill: revised distribution is:- 3,34-37,41,42,50,57,63,64,69,73,88,97,98,101,102,104,108. H2, 9,16,28,29,33-36.
- 51.1 Gyroweisia tenuis, ledge on edge of old oolite quarry, SE of Clipsham (55), Paton, 1977; on mica-schist by Loch of Cliff, Unst (112), Hill, 1974 (BBSUK), det. Whitehouse & Crundwell.
- 54.1 Weissia controversa b var. crispata, on sandy bank, Lizard point (1), Paton & van Melick, 1983.
- 54.12 W. longifolia a var. longifolia, side of ditch beside road to farm, near Home Willow-Farm, between Milton Bryan and Toddington (30), Yeo & Outen: b var. angustifolia limestone soil, Rhyd y Foel, S of Llanddulas (50), Blackstock & Yeo.
- 55.1 Oxystegus sinuosus, on brickwork beside weir, River Great Ouse, Offord Cluny (31), Yeo.
- 57.3 Tortella flavovirens a var. flavovirens, rock crevice by sea, head of L. Scresort, Rhum (104), Corley & Pitkin.
- 57.6 T. densa, grassy flush over limestone, E of Beinn nan Stac, Rhum (104), Corley.
- 63.2 Schistidium alpicola a var. alpicola, delete 98, specimen (BBSUK) is var. rivulare.
- 63.3 S. agassizii, wet rock on edge of stream, R. South Esk at Braedownie, Glen Clova (90), Corley, 1967.
- 64.17 Grimmia trichophylla a var. trichophylla, gritstone wall on lower slopes of Pendle Hill (59), Ormand, 1983; d var. tenuis, on grit boulder by Ease Gill, Leck (60), Wigginton, 1982.
- 66.1 Racomitrium ellipticum, rocks by upland stream, E bank of North Rotten Burn, 10 km S of Greenock (76), Stirling, 1983.
- 66.3 R. aquaticum, rock-face by stream, Feithe Buidhe, above Loch Avon, Cairngorms (94), Yeo.
- 66.5 R. heterostichum, on sarsen stone, Overton Down NNR, Avebury (7), Stern.

- 66.6 R. affine, on boulder, NE side of Hallival, Rhum (104), Corley.
- 66.7 R. microcarpon, boulders on exposed summit, Creag an Duine, Seana Bhraigh (106), Long & Rothero (E).
- 66.10 R. ericoides, on gravelly track, Lizard Point (1), Paton & van Melick, 1983; imported rocks on road embankment, nr Hockliffe (30), Outen, 1972; on stony, grassy bank, by Jubilee Tower, Moel Famau, NE of Ruthin (50), Yeo & Hill; stony ground beside look-out tower, Moel Famau, Clwydian Hills (51), Hill & Yeo; on slag drainage area, disused railway cutting Scalford, 5 km N of Melton Mowbray (55), I.M. Evans, 1981; on dry stony hillside, Inveruglas, Loch Lomond (99), Long; N end of Danna (101), Kenneth; in heathy turf on serpentine, Stackaberg, Fetlar (112), Bates, 1972.
- 66.11 R. elongatum, heathy dry sandy corner of Shalford Common (17), Gardiner, 1980; grassy breckland heath, Icklingham (26), Gardiner & Milnes-Smith, 1975; stabilized shingle beside A. Tywi, above Rhandirmwyn (44), Orange; low limestone scar in pasture, Cold Wells, nr Arnside (60), Wigginton, 1978; Widdybank Fell, Upper Teesdale (66), Gardiner, 1965; acidic dune-heath, Torr's Warren (74), Wigginton, 1979; Coire a' Gabhalach, Beinn an Dothaidh, nr Bridge of Orchy (98), Kenneth, 1980; scree slope below basalt cliffs, Maoladh Mor, Quirang (104), Long; summit corrie, Beinn Dearg (106), Kenneth.
- 70.1 Discelium nudum, reservoir mud beside inflow of Afon Brenig, Llyn Brenig, 12 km SW of Denbigh (50), Hill & Yeo.
- 71.2 Funaria muhlenbergii, Harlech (48 in ()), D.A. Jones, 1904 (NMW), conf. Crundwell - record accidentally omitted when compiling new Census Catalogue; rocky limestone slope, about 0.5 km SE of lighthouse, Ormeshead (49), Hill & Yeo.
- 72.1 Physcomitrium pyriforme, margin of R. Usk, near Sennybridge (42), Appleyard.
- 73.1 Physcomitrella patens, mud, Cameron Reservoir, St Andrews (85), Hill.
- 75.2 Ephemerum sessile, exposed mud on margin of reservoir, Damflask Reservoir, NW of Sheffield (63), Blockeel.
- 75.4 E. stellatum, damp ride, Cheriton Wood, 12 km E of Winchester (12), Stern.
- 75.5 E. serratum a var. serratum, exposed mud, Llyn Clywedog Reservoir, NW of Llanidloes (47), Paton; on reservoir mud, beside small inflow stream, Llyn Celyn (48), Hill & Yeo; b var. minutissimum, earthy bank in rough meadow, Glandyfi Castle, SW of Machynlleth (46), Paton; fallow field, Durham (66), Eddy, 1962.
- 83.1 Orthodontium lineare, rotten stump in beechwood, Countesswells House (92), Birse.
- 85.6 Pohlia drummondii, sloping rockface at foot of cliff, Bealach an Oir, Glen Harris, Rhum (104), Corley.
- 85.6A P. scotica, damp stony ground by loch, N end of Loch a'Choire Mhoir, Strath Mulzie (106), Long & Corley.
- 85.10 P. prolifera (= P. annotina sensu A.J. Shaw), sandy side of track, Blackborough End gravel pit (28), Stevenson.
- 85.11 P. campotrachela, on wet clay by stream, Hornton (23), Campbell; damp soil bordering reservoir, Combs (57), Cocking.
- 85.12 P. muyldermansii, damp cliff face, mixed with Amphidium mougeotii, above waterfalls on R. Twymyn, Dylife (47), Bates, 1983; damp gravelly cliff ledge, S side of Toll Lochan, Freewater Forest (106), Long.
- 85.14 P. lutescens, on sandy soil, vertical erosion-bank of beck, nr Copley (66), Wigginton, 1983.
- 85.15 P. lescuriana, ride in woodland, 9 km S of Cork Airport (H.4), Bloom, 1983.
- 86.1 Epipterygium tozeri, under bushes, vertical bank of R. Roach, N edge of New England Wood, Rayleigh (18), Whitehouse.

- 88.1 Anomobryum filiforme b var. concinnum, damp soil on low cliff ledge, Bizzle Craggs, below West Hill, Cheviot (68), Long.
- I: 89.17 Bryum knowltonii, sandy hollow in infilled quarry, Bawsey, nr King's Lynn (28), Libbey.
- 89.23 B. flaccidum, old elder at edge of spinney, between Souldrop and Sharnbrook (30), Outen, 1973; on elder, Leinthall Earls (36), Perry, 1979.
- 89.27 B. pallescens, wall near Catholic church, Porthaethwy (52), Hill.
- 89.36 B. dixonii, damp rocks in flush at foot of low cliff, W slope of Creag an Duine, Seana Bhraigh (106), Long (E).
- 89.38 B. gemmiferum, mud, Cameron Reservoir, St Andrews (85), Hill.
- 89.40 B. dunense, partially fixed dunes, Kilmory, Rhum (104), Corley & Pitkin.
- 89.42 B. radiculosum, mortar of small bridge over stream, between Upper Stondon and Holwell (30), Outen, 1983; on brick wall by gas distribution station, nr entrance to Port Holme, Huntingdon (31), Preston.
- 89.43 B. ruderale, garden path, Ceres, near Cupar (85), Hill.
- 89.45 B. klinggraeffii, bare soil in arable field, Marston Moretaine (30), Outen, 1973; mud, Cameron Reservoir, St Andrews (85), Hill.
- 89.46 B. sauteri, damp clay ditchbank by road nr Cheriton Farm, Farley Hill (22), Bates, 1983.
- 89.48 B. microerythrocarpum, sandy soil on roadside verge, Beadlow (30), Outen, 1983.
- 89.50 B. rubens, garden bordering northern margin of Roydon Fen, Diss (27), A.C. Smith.
- 91.4 Mnium marginatum b var. dioicum, sandy soil on shaded bank of R. Aire, Bingley (63), Blockeel.
- 92.1 Cinclidium stygium, voucher specimen from Blackpool Moss is Plagiomnium ellipticum, det. Corner, conf. Hill: replace by - basic hill spring, 250 m alt., Woo Burn (80), H. Milne-Redhead, 1960 (BBSUK).
- 93.2 Rhizomnium magnifolium, damp hollow under dripping cliff, N-facing cliffs at head of Gleann na Sguaib, Inverlael Forest (105), Long & Rothero; on wet rocks at foot of cliff, Loch Luchd Coire, Seana Bhraigh (106), Corley.
- 93.3 R. pseudopunctatum, moss at Brownmoor Heights, 4 km S of Selkirk (79), Corner, 1983.
- 94.4 Plagiomnium medium, turf basic ledge on low cliff, W slope of Creag an Duine, Seana Bhraigh (106), Long & Rothero.
- 105.4 Philonotis caespitosa, stony ground beside lake, Longa Water, S of Baltasound, Unst (112), Hill & Paton, 1974.
- 105.5 P. fontana, side of chalky ditch by stream, Cowbridge Farm, nr Toddington (30), Outen.
- 107.2 Timmia norvegica, stony soil on basic rock ledge beside flushed rocky gully, Coire Garblach, Glen Feshie (96), Yeo.
- 109.2 Zygodon baumgartneri, on oak in valley E of Great Bingham, Cranborne Chase (8), Rose & Wallace, 1976; on ancient oaks, Buckhurst Park, Withyham (14), Rose, 1968; on old oak, Brampton Bryan Park (36), Rose, 1969; on old oak, Hafod Park (46), Rose, 1977.
- 109.3 Z. conoideus, on ash, Thirlestane Burn, Ettrick (79), Corner.
- 110.2 Orthotrichum obtusifolium, delete 66, locality (Egglesstone Abbey) is in v.-c. 65, comm. Graham.
- 110.3 O. striatum, on trees, Blanchland (66 in ()), A.J. Campbell, c. 1908, comm. Graham.
- 110.8 O. rivulare, base of tree beside R. Aire, Low Holden, between Keighley and Steeton (63), Blockeel.
- 110.18 O. pulchellum, on elder, wood on Knettishall Heath, near Diss (26), A.C. Smith.

- 111.3 Ulota crispa b var. norvegica, on Salix stems near ground level in fen carr, nr brickpits, Wicken Fen (29), Preston.
- 111.6 Ulota phyllantha, on elder beside stream among gravel pits, nr Hardwick, S of Witney (23), Campbell; lower part of ash trunk, beside R. Aire, Low Holden, between Keighley and Steeton (63), Blockeel.
- 115.1 Cryphaea heteromalla, on N-facing wall of steps, All Saints' churchyard, Leighton Buzzard (30), Jury; on elder, Winterburn Valley, Winterburn, NW of Skipton (64), Blockeel.
- 116.1 Leucodon sciuroides a var. sciuroides, on tree trunk, Langdon Beck, Teesdale (66 in ()), A.J. Campbell, 1908, comm. Graham.
- 124.1 Hookeria lucens, Snelmore Common, 3 km N of Newbury (22), Brough.
- 130.1 Habrodon perpusillus, on bole of Quercus robur, Nether Barrow (60), Wigginton.
- 133.1 Lescuraea patens, on underside of boulder half-buried in turf, Cadha Dearg, W side of Seana Bhaigh (105), Corley & Chamberlain.
- 135.1 Heterocladium heteropterum b var. flaccidum, on flints on the ground, Combe Wood, by Linkenholt, N of Hurstbourne Tarrant (12), Brough.
- 139.2 Cratoneuron commutatum a var. commutatum, calcareous flushes from springs, Bishop's Waltham Moors (11), Rose.
- 140.4 Campylium elodes, basic flushes, E end of Akermoor Loch, 10 km SW of Selkirk (79), Corner, 1983.
- 141.3 Amblystegium tenax, streamside, Walker Dam, Aberdeen (92), Birse.
- 141.5 A. humile, muddy ground beneath willows, beside flooded gravel pits, Odell (30), Yeo, 1983.
- 141.8 A. compactum, delete 60, specimen (NMW) is A. serpens, comm. Wigginton, conf. Appleyard & Hill.
- 143.5 Drepanocladus exannulatus a var. exannulatus, in mire, Traeth Mawr, Libanus (42), Port: b var. rotae, marshy ground, Colhook Common, Northchapel (13), Stern.
- 144.3 Hygrohypnum luridum a var. luridum, grave in churchyard, Offord Cluny (31), Yeo.
- 144.7 H. dilatatum, rock by stream, College Burn, Hen Hole, Cheviot (68), Stevenson.
- 148.1 Scorpiurium circinatum, old stone seat, Cliveden House, near Bourne End, S of Beaconsfield (24), Libbey.
- 149.3 Homalothecium nitens, basic flush, Akermoor Loch, 10 km SW of Selkirk (79), Corner, 1983.
- 150.4 Brachythecium salebrosum, wet Molinia-dominated grassland, Baildon Moor (64), E. Newton & L. Warburton, 1983; Stockton (66 in ()), A.J. Campbell, 1908 (SUN), comm. Wigginton, conf. Hill.
- 150.5 B. mildeanum, wet places at edge of pond, Neasham brick works, SE of Darlington (66), Wigginton, 1977.
- 154.2 Rhynchostegium lusitanicum, on rocks in the Afon Pysgotwr, Allt Rhyd y Groes NNR, nr Rhandyrmwyn (44), Woods.
- 155.3 Eurhynchium pulchellum a var. pulchellum, limestone rocks, 400 m alt., head of Dyffryn Crawnon, nr Talybont Reservoir (42), Crundwell - this being the same taxon, very likely not truly var. pulchellum, as reported in Bull. B.B.S. 42, p. 56 (1983), from v.-c.'s 69 and 108.
- 155.5 E. praelongum b var. stokesii, grassy bank beside road, Long Lane, Tingrith (30), Yeo & Outen.
- 155.6 E. swartzii b var. rigidum, base of tree, Boot Wood, nr Plaxtol (16), Side; soil-covered tree roots, on roadside hedgebank, Long Lane, Tingrith (30), Outen.
- 158.1 Entodon concinnus, basic turf, Akermoor Loch, 10 km SW of Selkirk (79), Corner, 1983.
- 159.6 Plagiothecium laetum, on trunk of old oak in woodland, Hundred House, near Builth Wells (43), Orange.

- 159.8 P. cavifolium, moderately basic rocks near stream, N side of Breidden Hill, nr Criggion (47), Benoit.  
 159.9 P. succulentum, Holme Fen (31), F. Hans.  
 168.4 Hypnum mammillatum, old hornbeam bough, wood nr Bethersden (15), Side; inclined face of millstone grit boulder, bank of the Hebden Water, Hardcastle Crag, Hebden Bridge (63), Blockeel; trunk of beech tree, Roddam Dene, near Wooler (68), Yeo.  
 173.4 Rhytidiadelphus loreus, on large rotting tree bole, beside the Hebden Water, Hardcastle Crag, Hebden Bridge (63), Blockeel.  
 175.3 Hylocomium umbratum, in wooded ravine, 350 m alt., Thirlestane Burn, Ettrick (79), Corner.

#### REFERENCE

- Paton, J.A. (1984). Cephaloziella nicholsoni Douin & Schiffn. distinguished from C. massalongi (Spruce) K. Muell. J. Bryol. 13, 1-8.

#### Contributors of records, 1984

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#### B.B.S. MAPPING SCHEME

Because of financial constraints the preparation of distribution maps from B.B.S. records by the Biological Records Centre is proceeding more slowly than had originally been anticipated. For this reason, further records for inclusion in the first phase of the mapping scheme will be accepted up to the end of 1985. If you have records will you please let me have them on field record cards (supplies of which are obtainable, free of charge, either from me or from Biological Records Centre, Monks Wood Experimental Station, Abbots Ripton, Huntingdon).

A.J.E. Smith, School of Plant Biology, University College of North Wales, Memorial Buildings, Bangor, Gwynedd, LL57 2UW.

BRYOHISTORICAL PROJECT : PROGRESS REPORT 1984/85

The Bryohistorical Project, announced in Bulletin 43, 29-32 and reported on in Bulletin 44, 34, now has 11 active collaborators and 3 additional members who have contributed information.

Progress is being made on 3 broad fronts:

- (i) the preparation of an index of collectors with information on the whereabouts of their collections. The index now contains over 700 entries, each being supported by documentary evidence.
- (ii) the compilation of a bibliography of publications. This is being assembled on an opportunistic basis, i.e. references are being added as they are located, no systematic search having yet been started.
- (iii) the bringing together of biographical data about collectors and authors. In this connection, Dr P.E. Stanley of Cambridge has announced (Bulletin 45, 28) that he is writing a profile of William Edward Nicholson (1866-1945) and has asked for help in establishing which herbaria have substantial collections of Nicholson material.

To keep participants in touch with each other's progress an informal newsletter has been started. Numbers 1 (September 1984) and 2 (April 1985) of the Bryohistorical Newsletter have been issued and copies are freely available, as long as stocks last, to anyone sending a self-addressed, stamped envelope (at least 9" x 6½") to Mr Len T. Ellis, Department of Botany, British Museum (Natural History), Cromwell Road, London SW7 5BD. Copies are only being distributed on a regular basis to registered members of the project.

The immediate aims of the project remain the preparation and publication of an annotated alphabetical index of the names of all who have collected and/or published on the bryophytes of Great Britain and Ireland (including the Channel Islands), as stated in Objectives 1 & 2 of the original announcement (see Bulletin 43, 30). Since completeness is a virtually unattainable goal, the question arises when will the list be complete enough to publish? Several answers are possible, depending upon the criteria used during data collection. In the author's opinion a reasonably representative list of names will be available when adequate sampling of National and major regional herbaria has been carried out and the results integrated with data obtained from all other sources. At the present rate of progress another 1-2 years data collecting seems necessary before such a level of sampling will have been attained.

Participation by more members in the work of the project (in however small a way) would be most welcome. Ways in which the project could be advanced include:-

- (i) the provision of details of bryophyte collections in city and county herbaria.
- (ii) the provision of comparable details for personally-owned herbaria.
- (iii) the abstraction of names of people who have collected and/or published on a vice-comital basis.
- (iv) the submission of lists of publications dealing with the British and Irish bryofloras. Such lists might be an enumeration of member's own publications or titles abstracted from a Natural History Society journal.

Finally, suggestions and information relevant to the project, particularly of worthwhile sources of data, will be gratefully received.

S.W. Greene, Department of Botany, The University, London Road, Reading, Berkshire, RG1 5AQ.

## REQUEST FOR LIVING MATERIAL

If anyone would be good enough to send me samples of any of the following liverwort species, I should be very grateful indeed. The material, for chromosome studies, is required from as many parts of the country and from as many different habitats as possible. It need not be fertile but should amount to enough to fill either the side of an horizontally placed pound jam jar or the base of a vertical one. This will, of course, depend on the size of individual plants. The former would be appropriate for species of *Pellia*, for instance, and the latter for such as *Gymnocolea inflata*. Packed in polythene bags, with habitat details and a six-figure grid reference, the specimens should reach me in good condition and I should be happy to refund postage. (Dr.M.E. Newton, Department of Botany, University of Manchester, Manchester, M13 9PL.)

<i>Pellia endiviifolia</i>	<i>Frullania dilatata</i>
<i>P. epiphylla</i>	<i>F. tamarisci</i>
<i>P. neesiana</i>	<i>Barbilophozia floerkei</i>
<i>Moerckia hibernica</i>	<i>Gymnocolea inflata</i>
<i>Plagiochila asplenoides</i>	<i>Ptilidium ciliare</i>
( <i>P. asplenoides</i> var. <i>major</i> )	<i>Pleurozia purpurea</i>
<i>P. porelloides</i>	<i>Odontoschisma denudatum</i>
( <i>P. asplenoides</i> )	<i>O. sphagni</i>
<i>Chiloscyphus pallescens</i>	<i>Mylia anomala</i>
<i>C. polyanthos</i>	<i>M. taylorii</i>

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## Appeal for bryophyte specimens

The South London Botanical Institute has a herbarium of some 12 - 15,000 bryophytes, many of them accumulated during the tenure of Sherrin as its director, but little has been added to it during the last forty years. It has been re-organised recently to the new Census Catalogue order, and is currently the subject of investigation as part of the BBS Bryohistory project. It forms a very good reference collection of most of the British (and European) mosses and liverworts, but lacks all taxa described since the early 1940's. In addition, the Institute has an excellent bryophyte library, from the major Nineteenth Century works all the way through to Smith.

This note is an appeal for named material of any new taxa, particularly of erythrocarpous bryums, bulbiferous pohlins and the like. Any specimens of any taxon would be welcome, and would considerably enhance the value of the herbarium.

Any specimens should be directed to F.H. Brightman, The South London Botanical Institute, 323 Norwood Road, London SE24. Visitors to the Institute are always welcome, but should confirm with Frank Brightman that the Institute will be open at the time they want to arrive.

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