

BRITISH BRYOLOGICAL SOCIETY

PRESIDENT: DR M.C.F. PROCTOR



BULLETIN

No. 44. September, 1984

Edited by A.R. Perry

C O N T E N T S

Bankers orders for BBS subscriptions	1
Income and Expenditure Account for 1983	2
Reports of Officers for 1983	4
Help wanted for Publicity	12
Publication of Bryological Portraits	13
Minutes of the Annual General Meeting, London, 1983	14
Questionnaire on Members' Interests	16
Future Meetings of the Society	17
Other Bryological Meetings, 1985-87	19
B.B.S. Library Sales and Service 1984	21
British Bryological Library Catalogue Supplement 1984	22
NEW VICE-COUNTY RECORDS AND AMENDMENTS TO THE CENSUS CATALOGUES	
Hepaticae By M.F.V. CORLEY	23
Musci By M.O. HILL	25
A BRYOLOGIST IN ITALY. By F. RUMSEY	32
Letter to the Bulletin Editor	32
THE C.P. CASTELL BRYOPHYTE HERBARIUM OR WHERE HAVE ALL THE LOPHOCOLEAS GONE? By A. R. PERRY	33
Bryohistorical Project: progress report	34
BRYOLOGICAL JOURNALS IN PRINT. By B.J. O'SHEA	35
APPARENT INDUCTION OF THE MALE INFLORESCENCE OF <i>PHILONOTIS</i> <i>FONTANA</i> BY GREENHOUSE CULTURE. By J. H. FIELD	39
American Bryological & Lichenological Society	40
Request for living material	40

BANKERS ORDERS FOR BBS SUBSCRIPTIONS

Because we moved our bank account to a different branch last year, it is necessary for all those members who currently pay their subscription by banker's order to advise their bank of the change (unless they joined the BBS after March 1983). The new branch details are as follows:

National Westminster Bank plc, Warwick Gardens Branch, 361 Kensington High Street, LONDON W14 8QY

Sort code: 51-50-17 Account number: 07351429

You will find a sheet inserted in the Bulletin which you should sign and send to your bank.

Brian O'Shea, 58 Thornlaw Road, London SE27 0SA.

Tel. 01-670 7317 (home): 01-602 2212 (work)

British Bryological Society

STATEMENT OF AFFAIRS AS AT 31st DECEMBER 1983

<u>Liabilities</u>	<u>£</u>	<u>Assets</u>	<u>£</u>
Blackwell's 1983 a/c	2,909.45	NatWest-current a/c	762.57
outstanding		-deposit a/c	1236.48
Photo. comp o/s	98.00	National Savings Bank	
Jubilee meeting o/s	143.86	investment a/c	15,045.19
Capital a/c b/fwd	11,212.15	Jubilee Mtg. accrual	63.78
Subs. in advance	111.00		
Librarian's expenses	230.34		

	14,704.80		
plus excess of income	2,403.22		
over expenditure			

	17,108.02		-----
	=====		=====
			17,108.02

INCOME AND EXPENDITURE ACCOUNT, YEAR ENDED 31st DECEMBER 1983

Income

(1982)		1983
£		£
	<u>Publications</u>	
6,246	Blackwell's - subs. to J. Bryol	7,057.82
418	- sales of J. Bryol back issues	319.70
383	- sales of J. Bryol offprints	435.25
56	- advertising in J. Bryol.	-
-----		-----
7,103		7,812.77
829	Sales - through KJ Adams (BES Library)	914.66 *1
24	- through AJE Smith (Provisional atlas/ record cards)	32.44
410	- Census Catalogues	381.37
149	Royalties (from Bryophyte Systematics)	-
5	Advertising in Bulletin	-
-----		-----
8,520		9,141.24
	<u>General</u>	
4,583	Subscriptions from members	4,658.28
5	Reading Circle subscriptions	48.15
38	Postage	44.87
253	Legacies/donations	22.99
-	Grant from British Council for Jubilee mtg.	132.00
1,539	Interest from National Savings Bank a/c	1,493.21
24	Interest from Nat West deposit a/c	34.47
-----		-----
6,442(ST)		6,433.97 (ST)
-----		-----
14,962		15,575.21
=====		=====

Expenditure

(1982)		1983
£		£
	<u>Publications</u>	
6,784	Blackwell's - J. Bryol production costs	7,680.10
173	- general costs (reprints etc)	658.20
1,561	- 25% of subscription income	1,764.45
105	- 25% of sales of back issues	79.93
134	- 35% of sales of offprints	152.34
373	- servicing (postage etc)	387.20
-----		-----
9,130		10,722.22
682	Production of Bulletin (2 issues)	732.93
437	Other printing (eg Jubilee history)	119.00
-----		-----
10,249		11,574.15
	<u>General</u>	
45	Expenses - Field meetings/AGM	378.85 *2
111	- grants	-
91	Stationery, typing and telephone costs	58.06
289	Postage	298.01
39	Photocopying	67.19
321	Library purchases - books and journals	137.66
-	- for resale (lenses etc)	580.78
-	Reading Circle	12.29
15	Insurance of BBS Library and meetings	50.00
15	Subscription to Biological Council	15.00
-----		-----
926 (ST)		1,597.84 (ST)
-----		-----
11,175		13,171.99
3,787	Balance of income over expenditure	2,403.22
-----		-----
14,962		15,575.21
=====		=====

Notes

*1 Library	Bulletins	£ 30.71	*2 Field meetings:	
sales:	Back issues	358.90	Easter (Ilkley)	£ 7.02
	Euro. moss fl.	24.44	Autumn (London)	280.08
	Euro. hep. fl.	40.11	Photographic comp.	91.75
	Lenses/forceps	213.40	-----	
	Microscopes	222.86		378.85
	Photocopies/Misc	24.24		

		914.66		

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 1983.

(Date) 10.9.1984

(Signed) H.R. Feather BA

REPORTS OF OFFICERS FOR 1983

a) GENERAL SECRETARY'S REPORT

The year 1983 marked the 60th anniversary of the transition from the Moss Exchange Club, founded in 1896, to the British Bryological Society. It was therefore most appropriate that the programme represented a combination of traditional field meetings, more innovative workshops, and a Special meeting to celebrate the Society's Diamond Jubilee. A Jubilee issue of the Bulletin containing reminiscences of the early days by senior members also proved of great interest to many readers. Attendance at the spring and summer meetings, based in Ilkley and Kerry respectively, confirmed that demand for field meetings organized along familiar lines remains strong.

The autumn taxonomic workshop broke new ground: while of interest to current B.B.S. members, it was designed specifically to provide an introduction to mosses and liverworts for teachers in schools and colleges in the belief that it is through them that the stimulation of new recruits to bryology is most likely to arise. As a totally new venture, a training course in bryophyte taxonomy sponsored by the Systematics Association aimed to provide a broad introduction to traditional and experimental aspects of the subject to a mixed audience of amateur, student and professional botanists. As noted in the Membership Secretary's report, the success of these two meetings demonstrates a considerable potential for further initiatives in the educational field.

With over 100 members and guests in attendance, the Jubilee Meeting held at Bedford College, London in September was undoubtedly one of the most successful ever held by the Society. On the Saturday, papers were presented reviewing aspects of the history of bryology and of the Society, and discussing current and future developments. We were particularly pleased to welcome three overseas contributors, Dr Hélène Bischler from Paris, Dr S.R. Gradstein from Utrecht and Professor Rene Schumacker from Liege, whose participation was facilitated by financial support from the British Council. Among exhibits at the *Conversazione* on Saturday evening were entries in the Jubilee photographic competition, and it is a pleasure to congratulate Mr N. Bamforth of Manchester and Mr W.G. Stewart of St. Thomas, Ontario, who carried off first prizes for slides and prints respectively. The meeting concluded on Sunday with an excursion to Box Hill organized, as ably as ever, by Mr E.C. Wallace. One of the papers presented at the Jubilee Meeting, a history of the Society by Professor P.W. Richards, has already been distributed to members in printed form, its cover bearing our newly adopted logo (see page 15), and the Proceedings of the meeting will be published in full during the summer of 1984.

The Society's Policy Committee, chaired by Dr S.W. Greene, completed its two-year period of deliberations in 1983. The three reports presented to Council by the Committee include a number of far-reaching recommendations aimed at increasing the efficiency of the Society's operation and expanding and improving the range of services offered to members. Several recommendations have already been accepted and implemented by Council: other proposals formulated by the Policy Committee, or made during an open discussion on the future of the Society led by Dr Greene at the Jubilee Meeting, are under consideration. Already in effect are decisions that the Library should operate an active acquisitions policy (see Librarian's Report), and that a standing committee should be established to receive and review nominations for Honorary Membership (see Bulletin 43). Other recommendations have led to the election of a Publicity Officer, to the establishment of an ad hoc committee to stimulate the publication of introductory identification guides, keys to critical genera and other literature (see page 12), and to the distribution of a questionnaire seeking information on the bryological interests of members to assist Council in planning future activities. Plans are also afoot to include

series of first class drawings of British bryophytes and portraits of notable bryologists in Journal of Bryology, to collaborate with the National Museum of Wales in the publication of a bryological wall chart, and to introduce B.B.S. ties.

Finally, it is a pleasure on behalf of the Society to congratulate our members Dr D.H. Lewis (Sheffield) and Dr G.A.M. Scott (Monash) on their promotions to Professor and Reader respectively, and to thank all those who worked so hard to ensure the success of the Society's various activities during the past year. In particular, we are indebted to Mr S.G. Harrison of the National Museum of Wales who resigned at the end of 1983 as Curator of the B.B.S. Herbarium, a post he has filled most efficiently for the past fourteen years. The collection will remain at Cardiff, in the care of Mr A.R. Perry.

R.E. Longton

b) TREASURER'S REPORT (see pp. 2 - 3)

We are again in credit, and although certain bills have yet to be paid, including Blackwell's, the estimated figures are as follows:

Profit/Loss

	(1981)	(1982)	(1983)	1984*
Income	£13,052	£15,024	£15,562	-
Expenditure	£18,017	£11,238	£13,244	-
	-----	-----	-----	-----
Profit/(Loss)	(£ 4,965)	£ 3,786	£ 2,318	£805*

* The 1984 figures are based on preliminary budget figures.

Assets

	(1981)	(1982)	1983
Current account	£ 1118	£ 185	£ 355
Deposit account	£ 1187	£ 2	£ 1236
Nat. Sav. Bank	£ 10763	£13052	£15045
	-----	-----	-----
	£13068	£13239	£16636

The accounts continue to be active, thanks largely to the efforts of the Librarian, whose total of invoices issued only failed by two to reach the 1982 record of 115. This betokens a very lively interest in what the Society is offering. In general the costs were in line with 1982, only the Jubilee Year activities causing any significant increase in expenditure. The costs as ever go principally on the Journal (approx £6.50 per member). The emphasis in 1983 was not only in watching costs and maintaining a bank account - the following areas were also of concern:

1. VAT on J. Bryol. We received information during the year suggesting that VAT may be charged on the production of J. Bryol. This might have cost us something like an extra £1000 per year, which, because our turnover is not large enough for us to be registered for VAT, would need to have been found from our reserves, and eventually from increased subscriptions. Fortunately, after extended correspondence, the last word is that we are likely to escape this - if necessary by changing our agreement with Blackwell's.

2. Charitable Status. It became evident during the year that we were not fulfilling all our responsibilities as a charity, and a report was produced

giving the background to this. As a result, Council members must now regard themselves as trustees of the BBS charity. It will mean no other change to the way the Society is run.

3. Budget. It is no longer possible nor realistic to wait until the end of the year to gaze with surprise at the Society's profit (or loss); at a time when we are trying to increase the range of our activities, it is necessary to know well in advance how much money we have to spare, so we can plan how to use it. A budget for 1983 was thus drawn up during the year, and also a draft budget for 1984. It is now planned that these be updated and discussed at Council meetings, after being discussed with the appropriate Officers, and that the current year's budget be published along with the accounts in the July Bulletin. Such items as expanding the Library, reprinting back copies of journals or financing new publications or activities can then be planned in advance.

Brian O'Shea
March, 1984

c) JOURNAL EDITOR'S REPORT

As with 1982 more papers were received or held over from the previous year than could be accommodated in J. Bryol. 12(4) and 13(1) and some have had to be held over, this despite more rigorous refereeing. The proportion of non-taxonomic papers is also increasing thanks to the efforts of members of the editorial board and they have the effect of making the Journal attractive to a wider audience. Mr A.C. Crundwell very kindly prepared the index to volume 12 and I am again indebted to Dr E.W. Jones and Mr A.R. Perry for assistance in checking proofs.

A.J.E. Smith
February, 1984

d) BULLETIN EDITOR'S REPORT

Bulletin 41 was published at the end of February, and 42 in mid-July. Because I was abroad for the whole of the summer I had to ask contributors to 42, the Diamond Jubilee Issue, to observe a much earlier deadline than usual for the summer number so that I could prepare it well in advance of publication. I thank them all for their punctuality and also my colleagues, Mr Gwynn Ellis and Mrs Jean McKenzie, for seeing it through the press. It is opportune that I acknowledge the typing skills of Mrs McKenzie and Mrs Olive Evans who have for many years typed the Bulletin MSS for publication, sometimes from pretty rough copy.

A.R. Perry
April, 1984

e) REPORT OF THE RECORDER FOR MOSSES

If the activity of bryologists is judged solely by the number of vice-county records, then activity is now down to a level not seen since the 1940s. Considering how membership of the B.B.S. has increased since then, perhaps we ought to be doing better. However, we can flatter ourselves that there was more dull gap-filling in those days, and that what we are now finding is better. Indeed, at the scale of the vice-county, most parts of the British Isles are now well recorded; many of the new records of 'old' species are somewhat unexpected.

During the year, I rejected 33 specimens, only 16% of the total. The general standard of naming is to be commended. The pattern of accepted records is given in the table. An 'old' species is one included - at whatever rank - in Dixon's Handbook.

	Old spp.	New spp.	Vars.	Total
England	44	19	17	80
Wales	18	7	5	30
Scotland	20	16	2	38
Ireland	14	7	1	22
Total	96	49	25	170

In addition to records shown in the table, there were 104 records resulting from a revision of the Racomitrium ericoides complex.

I am grateful to several correspondents for corrections of errors and for pointing out omissions. It is a particular pleasure to thank Mr Crundwell for advice on some difficult determinations.

M.O. Hill
January, 1984

f) REPORT OF RECORDER FOR HEPATICS

The number of new records for 1983 is 95, 20 more than in 1982. However, 17 of the records were of Lophozia ventricosa varieties collected over a long period by one member, but only recently available to be submitted as vouchers. The number of new records for England, Wales, Scotland and Ireland are 38, 12, 20 and 23 respectively. The English and Welsh records are similar in numbers to those for 1982, whilst the numbers of Scottish and Irish records are greater, largely from L. ventricosa records.

M.F.V. Corley
January, 1984

g) LIBRARIAN'S REPORT

Sales:	Census Catalogues (old)	5
	Distribution of Bryophytes	43
	Mosses of Europe & the Azores	12
	Hepatics of Europe & the Azores	23
	Transactions (parts)	81
	Journal of Bryology (parts)	40
	Bulletins	33
	German-English Glossary	3
	Library Catalogue	3
	x20 lenses	18
	stainless-steel forceps	21
	L201 microscopes	3
Loans:	17 items of books/journals/separates	
	5 loans of slides	
	1 loan of micrometer-slide	
	61 xerox copies	

In accordance with the new policy adopted by the B.B.S. Council for acquisition of bryological books and journals, the following items were purchased out of the library fund during the year:

- Crum, H.A. & Anderson, L.E. (1981). Mosses of Eastern North America, Vol. 1 & 2. Columbia University Press.
- Richardson, D.H.S. (1981). The Biology of Mosses. Blackwell.
- Sayre, G. Cryptogamae Exsiccatae - An Annotated bibliography of Exsiccatae of Algae, Lichens, Hepaticae and Musci. Memoirs of the New York Botanic Garden. Vol. 19.
- | | |
|--|--------|
| No 1. part 1 General Cryptogams, part 2 Algae, part 3 Lichens. | (1969) |
| No 2. part 4 Bryophyta | (1971) |
| No.3. part 5 Unpublished Exsiccatae. 1. Collectors | (1975) |

The outstanding parts of the Illustrated Moss Flora of Fennoscandia by Elsa Nyholm were also purchased, and the library now subscribes to the new bryological journal BRYOLOGISCHE BEITRAEGE edit. R. Duell, Duisburg, W. Germany; and receives in exchange for the B.B.S. Bulletin the new publication MUSCILLANEA (Werkgroep Bryologie) from W. Van Kompu, Belsele, Belgium.

The library has received the collection of books belonging to the late A.J. Pettifer, from his family, and the first batches of archival material have been received from Roy Perry. A second B.B.S. library catalogue supplement will appear in the 1984 Autumn Bulletin.

Kenneth J. Adams
January, 1984

h) BIBLIOGRAPHER'S REPORT

This has been another year in which the number of bryological publications that have appeared has kept to its usual surprisingly high level. Indeed, the consistency in the rate of publication on bryophytes is one of the most noticeable features of the list of recent literature. As was reported for 1982, the range of topics covered has been very broad, with no obvious bias towards one aspect of the subject.

It is still true that most work on bryophytes is carried out by people who would not consider themselves to be bryologists. This is healthy in some ways, but it is increasingly important for specialists who have detailed data on bryophytes to find the time and energy needed to publish their results.

G.C.S. Clarke
January, 1984

i) CURATOR'S REPORT

185 Moss and 68 Hepatic Vouchers were added and 12 members used the loan scheme, borrowing 204 specimens.

S.G. Harrison
February, 1984

j) MAPPING SECRETARY'S REPORT

During the first three months of 1983 there was a considerable influx of record cards which somewhat delayed the production of a final report on the first phase of the mapping scheme. All records have now gone to the Biological Records Centre. It is proposed that once records have been tabulated on species and vice-comital bases an attempt should be made to ensure that as many of the records as possible in the Census Catalogues (1981) should appear in the final bryophyte atlas. To this end the aid of B.B.S. members is being sought.

From correspondence and personal experience on B.B.S. excursions it is evident that field recording is continuing unabated and this is to be applauded.

A.J.E. Smith
February, 1984

k) MEETINGS SECRETARY'S REPORT

During its sixty years' existence, the Society has developed a strong tradition of field meetings. This was continued during the diamond jubilee year with meetings in Ilkley and Kerry. It is fitting that both were well attended, as just reward for capable and willing organization by Mr Tom Blockeel and Dr Donal Synnott.

The annual paper-reading meeting has more recent origins. Held in London this year, it constituted the Jubilee meeting under the efficient and inspired planning of Mr Peter Wanstall and his Jubilee Committee. Well over a hundred members and friends gathered to review the Society's achievements and to assess its future. No-one could fail to have been impressed by the careful preparation, by organizers, speakers and excursion leaders alike, which ensured the meeting's success.

Although tuition has always been provided, often informally, by B.B.S. members, the Society made a special effort in this direction during 1983. With the financial help of the Systematics Association, a training course in bryophyte taxonomy was organized by Dr Sean Edwards and me and was held in Manchester. Much of its success depended on Dr Mark Hill and Dr Tony Smith but special thanks are due to two members of the Manchester Museum who gave of their time and knowledge willingly despite the fact that neither is a B.B.S. member. They were Mr C.V. Horie, Keeper of Conservation, and Mr C.W. Pettitt, Controller of Computer Cataloguing. The emphasis on teaching was maintained later in the year by Miss Jennifer Ide, who volunteered to design a taxonomic workshop that would introduce bryology to biology teachers in schools and colleges. The Society is indebted to her for her skill and initiative. Indeed, the response to these two meetings establishes the need for more ventures of this kind.

Plans for the meetings of 1984 and for the spring and summer of 1985 are now well in hand. Their success or otherwise will determine in large part the future of the Society. Not only must the venue be popular but arrangements must be made well in advance. For that reason, I should welcome your ideas about possible venues and local organizers for the taxonomic workshop of 1985, as well as for the spring and summer field meetings of 1986. The Society has received an invitation to hold the paper-reading meeting in Cardiff in 1985 and, according to precedent, the taxonomic workshop of that year should be in London or elsewhere in the SE of England. The possibility of a Scottish meeting in the summer of 1986 has also been mooted. In making this plea for ideas, perhaps I may also thank those of you who have already offered very helpful advice in this direction.

Finally, attention must be drawn to another aspect of B.B.S. meetings; that of safety. During the year, a provisional safety code has been drawn up for use during meetings. Although members are ultimately responsible for their own safety, the Society appreciates the need to do all in its power to protect its members and officers. It is therefore hoped that everyone will read the code, a copy of which will be held by every local secretary, and bear it in mind when attending the Society's meetings.

M.E. Newton
December, 1983

1) MEMBERSHIP SECRETARY'S REPORT

At the date of the 1983 AGM, after the deduction of 30 members still in arrears with 1983 subscription and "stopped" from receipt of the Journal of Bryology, there were 464 fully paid members, including 25 new members who had joined by that date. 12 new members since that date, plus 13 arrears received make the count of members receiving the Journal at December 1983 total 489.

G.G. Geyman
February, 1984

m) CONSERVATION OFFICER'S REPORT

Work has continued on the accumulation of records of rare species. The Recorder for Mosses has been particularly helpful in providing data resulting from revisions of vice-comital distribution. I have drawn up a preliminary list of species which might be included in a 'Red Data Book' of bryophytes. It will only be possible to produce a more definitive list once the BBS Mapping Scheme data have been processed.

One member, Ken Adams, has begun a detailed study of Zygodon forsteri (see Bull. B.B.S. no 43, pp 26-27). This provides an example of the valuable contribution which members can make to our knowledge of rare species, and I hope it will encourage others to follow his example.

A proposed coastal development in Northern Ireland threatens the only Irish site for Rhytidium rugosum. I have expressed concern on behalf of the Society: the outcome of the proposal is uncertain.

C.D. Preston
March, 1984

n) PUBLICITY OFFICER'S REPORT

A discussion document was presented to council, to determine the feeling towards various suggestions for publicity. It was agreed that the purpose of publicity should be primarily to encourage greater public awareness of bryophytes, and then to a lesser extent to publicise (and recruit for) the society; fund raising was thought to be a minor purpose.

Publications of a more 'educational' nature are the concern of the newly formed Publications Committee, but some suggestions for more publicity-oriented printed matter were costed and considered. Calendars (either B.B.S. only, or in conjunction with other cryptogamic societies) were rejected as being too expensive, bearing in mind the large minimum run needed to make full colour separation economic; unsold stock would be a problem, and anyway the quality of the samples seen was hardly stunning. Car stickers and Christmas cards were also, at least for the time, rejected.

It was decided that the society should not publish bryophyte post cards, at least until we have tried to encourage museums etc. to include such cards in their own available stock, at their own expense. However, the idea of notelets found approval. Also, discussion was held on producing articles for colour supplements and other, more nature-oriented periodicals.

The major decision was for the society to invest in a travelling exhibition of eight 6ft x 4ft panels, publicising bryophytes, and the society; it would be professionally produced by the Museum and Art Gallery Service for Yorkshire and Humberside. This Service also provides very considerable funding, as well as not charging for design and technical services, etc.. Construction would start

in April 1986, and the exhibition should be touring by that summer. We are also negotiating for ten small, identical panels (possibly incorporating the wall-chart), to be permanently mounted at various sites such as Field Studies Centres.

The officer was also to ensure that the B.B.S. was on the file of various media, such as television companies, so that they could always turn to us for information or advice. Educational companies were also to be approached (tactfully), as it was felt that material (e.g. slide-tape or video) now available to schools did little to encourage an interest in bryophytes.

A note appears elsewhere (p.12) in this Bulletin, concerning these matters, and also on ways in which members might help recruitment for the B.B.S.

S.R. Edwards,
April, 1984

o) READING CIRCLE - SECRETARY'S REPORT

During 1983 membership increased by one to twenty three, there being two resignations and three new members. In general the Reading Circle has continued to run as last year, no major problems were encountered and the cost of photocopying has been maintained at three pence per copy. In all 218 contents lists of 15 journals were distributed and ten members requested copies of 38 papers totalling 408 pages.

The circulation of contents is currently as follows:

Annales Bot. Fenn.	13 members	6 members sub. to 5 journals
Bryologist	16 "	4 " " 4 "
Cryptogamie	13 "	8 " " 3 "
Lindbergia	16 "	1 " " 2 "
Journ. Hatt. Bot. Lab.	18 "	4 " " 1 "

FINANCIAL STATEMENT 1983

Income

Members credit at 1.1.83	£62. 09
Income during year (cheques)	£31. 15
Income during year (cash)	<u>£ 5. 00</u>
	£98. 24

Expenditure

Internal running costs (postage, photocopying, etc.)	£29. 71½
Administrative costs	<u>£ 6. 49</u>
	£36. 20½

<u>Excess of income over expenditure</u>	£62. 03½
Less members credit at 31.12.83	£56. 90

<u>Balance of income over expenditure</u>	<u>£5.13½</u>
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R.J. Fisk
February, 1984



HELP WANTED FOR PUBLICITY

The Brecon Council Meeting marked a radical change in direction for the B.B.S., in as much as we are now adopting a positive policy for 'publicising' both bryophytes and the society (see the Publicity Officer's Report, p.10). But whether good intentions, decisions, and promises will have any effect, depends largely on the response of the membership. There are five specific items for which I should like to request both material and other cooperation.

1) Post Cards. If anyone has graphic material suitable for printing on the front of a post card, please contact me. Such material is most likely to be in the form of a 35mm colour transparency, but original (or out-of-copyright) artwork (etc.?) might be more suitable. Remember that post cards are small, and need a fairly simple impact to sell.

2) Notelets. I should be very pleased to see any designs to grace B.B.S. notelets. There are no rules, except that the final size will be A6. Black line is cheaper than colour, two colours are more expensive than one, and half-tone is more expensive still. So two colour or half-tone designs will have to be very good to stand a chance. I imagine a tracery of Thuidium down one side, with the logo at the bottom with brief society data, but try anything. How about designs based on old (out-of-copyright) drawings, as on recent Bulletin covers? A set of several designs might be feasible.

3) Articles. What we need here, at the moment, are outline suggestions with first class visual material, organised with a particular public in mind (e.g. colour supplements, 'Living World', etc.). There is little point in presenting a completed article at this stage, since it is bound to get re-written before it is published. Topics most likely to succeed might include the gardening angle ("if you can't beat them, join them"). Evolution and 'new evidence' type articles also seem to be popular, as well as the human point of view (use of bryophytes), and of course the "did you know...(surprise fact)?" angle. Think of how other such natural history articles have been presented. Simply suggestions or references to source material would be welcome. Can anyone produce false-colour images from S.E.M.s?

4) Travelling exhibition. This will consist of eight 6ft x 4ft panels, each dealing with a separate topic; suggestions include:

- i) the society; archive material, early and recent field meetings; how to join.
 - ii) structure of mosses (and liverworts).
 - iii) economic uses.
 - iv) ethnographic bryology, man and mosses around the world; nappy-liners, Polytrichum-brooms, etc., etc..
 - v) ecology (draining of bogs, etc.).
 - vi) pollution; indicators.
 - vii) biology; poikilohydry (under any other name); success of bryophytes.
 - viii) lawn and urban bryophytes.
 - etc.) collecting; amateur and professional herbaria; collector's codes; folklore; possibly separate panels on liverworts or hornworts.
- but not) classification (though possibly evolution); not other groups such as lichens, algae.

Please send any suggestions, material, or references to me. The final text will be written according to fairly strict rules, in conjunction with the Area Service, so please expect any carefully written essays to be cut, dismembered, cannibalised or otherwise brutalised. But don't let this put you off; we shall be very thankful for anything. A snappy title, which will not only attract the public, but also encourage museums, etc. to borrow the exhibition in preference to many others on their lists, is absolutely essential. We also

need 3-D (i.e. real) material, especially any moss 'products', such as Polytrichum brooms or baskets, Sphagnum dressings or nappy-liners (unused), Hypnum pillows, Fontinalis kiln-liners, etc.. Craftsmen able to reconstruct from old designs would be welcome, as the material will not be returned (for a very long time), and is likely to degrade or be otherwise damaged.

5) Recruiting. A number of suggestions were discussed, whereby members could help to increase (or at least maintain) B.B.S. membership. Here are three:

- i) members should offer to lead bryophyte forays or give free lectures to local natural history groups; approach local secretaries (libraries usually have lists).
- ii) join your family as family members; it doesn't cost much (if the Bulletin Editor is told that no extra Bulletins etc. are needed), it brings in a few extra pounds, and swells the membership even if they don't participate.
- iii) all members who work in an appropriate institution (e.g.) polytechnic or university) that does not take the Journal, should press unceasingly until it does. If the institution does take the Journal, members should use it, and make sure that it does not get deleted.

6) Etc. I should also be pleased for any other ideas. Rejected or shelved schemes (such as car stickers, Christmas cards or T-shirt designs) might well be reconsidered in the light of an attractive design.

Sean R. Edwards,
The Museum, The University, Manchester M13 9PL
Tel: 061 273-3333 ext. 3319

PUBLICATION OF BRYOLOGICAL PORTRAITS

As pointed out by Greene and Ellis in Bulletin 43 (p.29) there is a great deal of interest among members in the biography of our bryological predecessors. Some members know of or possess information which is unpublished or not easily accessible. One aspect which is of interest to myself and undoubtedly to many others concerns photographs and portraits of our early bryologists. Such portraits may be found for example in private collections, local archives and obscure publications. With the approval of the Editor and Council, it is proposed to publish in the Journal of Bryology a series of these portraits, both for their intrinsic value and to ensure their preservation. The following qualifications are envisaged:

1. British or foreign bryologists, especially those of the nineteenth century, who made substantial contributions to the knowledge of bryophytes (this will include anatomists, morphologists and others, as well as taxonomists).
2. Bryologists for whom no portrait has recently been published.

The portraits would be accompanied by a short explanatory text (no longer than would form a legend to the plate), including the source of the portrait and outlining the subject's life and major works.

If you know of any suitable material for inclusion in the series, please write to me in the first place so that I can assess the viability of the project. With your help we can put a face to the faceless but familiar individuals of our bryological past.

T.L. Blockeel, 20 Heathfield Close, Bingley, W. Yorks., BD16 4EQ
Tel: Bradford 567093

MINUTES OF THE ANNUAL GENERAL MEETING, LONDON, 1983

Minutes of the Annual General Meeting, held at Bedford College, London, on 17 September, 1983 at 5.15 p.m.

PRESENT: Dr H.L.K. Whitehouse (in the Chair) and 67 other members.

(1) APOLOGIES: Apologies were received from Mr S.G. Harrison, Mrs A.G. Side, Dr A.J.E. Smith and Mr M. Walpole.

(2) MINUTES: Minutes of the last Annual General Meeting held on 25 September, 1982, in Nottingham, were approved and signed as a correct record.

(3) MATTERS ARISING: There were none.

(4) OFFICERS' REPORTS FOR 1982:

(a) GENERAL SECRETARY: The General Secretary drew attention to the deaths of an Honorary Member, Mrs E.A. Hodgson (New Zealand) and of Mr A.J. Luitingh (Holland), which were noted with regret.

(g) LIBRARIAN: The Librarian drew attention to the increasing cost of postage and suggested that, where possible, members should make arrangements to collect purchases and loans directly from him at meetings, etc. He noted that a reasonably priced microscope was being added to list of items available for sale.

There were no other comments on the Officers' Reports. Adoption of the reports was moved by Dr S.W. Greene, seconded by Mr A.C. Crundwell, and carried unanimously.

(5) PROPOSALS FOR NEW OFFICERS ON COUNCIL: The President explained that Council had recommended the appointment of a Publicity Officer as a member of Council, and that the Reading Circle Secretary should, in future, be a member of Council. That this recommendation be accepted was moved by Dr S.W. Greene, seconded by Dr G.C.S. Clarke, and carried unanimously.

(6) ELECTION OF OFFICERS: The President noted that, in accordance with the Rules, he would be succeeded by Dr M.C.F. Proctor, currently Vice-President, on 1 January 1984, that Mr B.J. O'Shea had been coopted by Council to serve as Treasurer during 1983 following Mr Pearman's resignation on grounds of ill health, and that Mr S.G. Harrison had indicated his wish to resign as Curator effective 31 December 1983.

The President reported that Council had nominated the following for election to the vacant offices:

Vice-President:	Mr G. Bloom
Treasurer:	Mr B.J. O'Shea
Secretary of the	
Reading Circle:	Mr R.J. Fisk
Publicity Officer:	Dr S.R. Edwards
Curator:	Mr A.R. Perry

The President reported that all other officers had indicated a willingness to serve for a further 2-year term from 1 January 1984 and that they had been nominated by Council.

The President reported that Dr M.A.S. Burton, Professor D. H. Lewis and Mr P.J.

Port had been nominated by Council as elected members of Council for a 2-year period from 1 January 1984.

The Secretary reported that other nominations of officers and elected members of Council had been invited in the July issue of the Bulletin: none had been received.

Election of Council nominees to serve as officers and elected members of Council was proposed by Dr M.E. Newton, seconded by Mrs J.A. Paton, and carried unanimously.

(7) HONORARY MEMBERSHIP: The President reported that Council had set up a standing committee comprising the President, General Secretary and the two most recent Past Presidents to advise Council on nominations for Honorary Membership. Members wishing to suggest nominations should write to the General Secretary.

(8) BBS LOGO: Mr Perry reported that Council had agreed that the Society should adopt a logo. Based on a design submitted by Mrs E.J. McDonnell, the logo showed two fruiting plants of Pottia bryoides surrounded by the words British Bryological Society within two concentric circles.

Mr Perry also reported that ties bearing a simplified version of this design were to be ordered for sale at cost to members. The price would be between £3.50 and £4.00. Professor Richards questioned the value of having ties if they were not sold at a profit, and several members expressed the view that it would be reasonable to make a small profit. It was also suggested that a choice of colours should be available if this could be achieved without significantly increasing the price. Mr Stevenson cautioned that another society to which he belonged had ordered ties but sold very few. Mr Perry reported that it was intended to assess demand by inviting provisional orders at the *Conversazione* later that day.

(9) DATE AND PLACE OF THE NEXT ANNUAL GENERAL MEETING: The Meetings Secretary announced that the next Autumn Paper-Reading Meeting and Annual General Meeting would probably be held in Warwick in September 1984.

(10) OTHER FUTURE MEETINGS: The Membership Secretary reviewed plans for the Taxonomic Workshop 1983, and for the Spring and Summer Field Meetings 1984, as announced in the July 1983 Bulletin. She suggested that the Taxonomic Workshop 1984 be held at the University of Keele, and the Spring Field Meeting 1985 at Chichester, West Sussex, under the leadership of Mr R.C. Stern. These proposals met with approval.

Dr Newton then reported that Dr R. Düll had offered to organize a field meeting for c. 20 BBS members in Germany some time during the next few years. Appreciation was expressed by several members, who suggested that the invitation should be taken up for the Summer Field Meeting 1985. Noting that a BBS meeting in Germany might clash with international bryological meetings to be held in Hungary during 1985, several members suggested that it might be more appropriate for the BBS to meet in Scotland during 1985 and in Germany subsequently. A straw vote suggested that opinion was equally divided on this issue. Dr Newton agreed to explore the various possibilities for a meeting in Germany.

(11) ANY OTHER BUSINESS: The President reported that the Society had received greetings on the occasion of its Diamond Jubilee from the American Bryological and Lichenological Society and the British Lichen Society. The meeting expressed its appreciation.

Dr Newton noted that accidental damage to persons or property occurring during BBS meetings might result in legal proceedings being taken against the Society or individual members. Council had therefore decided that insurance covering 3rd party and person to person risks should be taken out by the Society. Dr Newton also stressed the importance of Council's being seen to take all reasonable steps to inform local secretaries and participants of any dangers, although each individual is ultimately responsible for his own conduct. Accordingly, a BBS Safety Code was in preparation. She noted that the BSBI, the London Science Centre and the Seldon Society had been consulted and that legal advice would be taken on wording of the code. It was agreed that a note should appear in the Bulletin emphasizing the need for care during Society meetings.

Dr Edwards reported that the Systematics Association course on Bryophyte Taxonomy, organized by the BBS in Manchester, had attracted 22 participants. It appeared to have been successful, a view endorsed by several members who had attended. A sincere vote of thanks was given to those who had taught during the course, Dr S.R. Edwards, Dr M.O. Hill, Mr C.V. Horie, Dr M.E. Newton, Mr C.W. Pettitt and Dr A.J.E. Smith, on the suggestion of Mr Carpenter, and it was agreed that letters of thanks should be sent on behalf of the Society.

Mr Hill spoke of the fine work done by Mr S.G. Harrison during his tenure as Curator, and it was agreed that a letter of thanks should be sent.

Dr M.C.F. Proctor reported that 17 slides and 6 prints had been received as entries in the Photographic Competition. The winners would be announced at the Conversazione.

The President suggested that a letter be sent to Mr Pearman expressing the Society's gratitude for his conscientious and efficient work as Treasurer.

On the suggestion of the President, a warm vote of thanks was given to Professor Chaloner, the authorities at Bedford College and Mr Wanstall for their admirable arrangements for the Jubilee Meeting.

The Meeting adjourned at 6.30 p.m.

R.E. Longton,
Hon. General Secretary

QUESTIONNAIRE ON MEMBERS' INTERESTS

Membership of the British Bryological Society currently stands at about 500. Although unified by a common interest in mosses and liverworts it is nevertheless a somewhat disparate group of British and overseas botanists, amateur and professional, experts and beginners, whose principal bryological interests span the range from floristics to physiology and fine structure. This diversity is undoubtedly one of the strengths of the Society, and Council has traditionally tried to offer a broad spectrum of activities in an attempt to fulfil the expectations of all members. To assist in achieving this objective as effectively as possible, a brief questionnaire is being circulated with this issue of the Bulletin seeking information on members' interests and activities. All members are urged to spend the few minutes necessary to complete the questionnaire, and return it to the Membership Secretary. If there is anything you feel the Society could do to facilitate your personal bryological pursuits here is an opportunity to say so!

FUTURE MEETINGS OF THE SOCIETY

ANNUAL GENERAL MEETING AND PAPER-READING MEETING, 1984, Birmingham University, 15 - 16 September.

Local Secretary: Dr D.C. Lindsay, 177 Grove Road, Sparkhill, Birmingham, B11 4DD.

Accommodation has been reserved at the Manor House Hall of Residence, Northfield, where the lectures and conversazione will be held. The cost of full board will be £15.75 (+V.A.T.) per day, but costs will as usual be itemised for the convenience of members who require only meals. Bookings, including those for meals and tea or coffee, should be made before July 31.

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

- Mr A.C. Crundwell (Headley Down, Hampshire). The introduced bryophytes of the British Isles.
- Dr J. Doonhan (John Innes Institute, Norwich). The microtubule cytoskeleton of Physcomitrella patens as revealed by immunofluorescence techniques.
- Dr E.W. Jones (Oxford) & Dr A.J. Harrington (British Museum, Nat. Hist.). African Hepatics.
- Mr A.R. Perry (National Museum of Wales). Incursions into the American bryoflora.
- Mr K. Pocock & Professor J.G. Duckett (Queen Mary College, London). The alternative to mycorrhizas: fungi in hepatics.
- Dr M.C. Press (University of Manchester). Acidic deposition and the southern Pennine blanket bogs.
- Dr & Mrs H.L.K. Whitehouse (University of Cambridge). Stereoscopic photography of bryophytes.

During the Saturday evening conversazione, facilities for posters and demonstrations will be available. Offers to put out demonstrations have already been received and more would be welcomed. The Sunday field excursion, kindly arranged by Mr and Mrs P. Thomson, will provide an opportunity to examine local bryophyte habitats.

TAXONOMIC WORKSHOP, 1984, Keele University, 17 - 18 November

Local Secretary: Dr R. Murphy, 73 St. Christopher Avenue, Penkhull, Stoke-on-Trent, ST4 5NA.

This meeting, to be in the Department of Biological Sciences by kind permission of Professor C. Arme, will present an unequalled opportunity to develop skills in identifying liverworts with bi-lobed leaves and in dealing with Drepanocladus. The weekend will be devoted to field as well as laboratory work under the expert guidance of Mr M.F.V. Corley (Recorder for hepatics) and Dr M.O. Hill (Recorder for mosses). Full details of the programme can be obtained from the local secretary, who is also able to offer information about local accommodation additional to that available in the University itself. The latter has been advertized in Bulletin 43.

SPRING FIELD MEETING, 1985, Chichester, West Sussex, 17 - 24 April.

Organizer & Local Secretary: Mr R.C. Stern, Botany Bay, Main Road, Fishbourne, Chichester, West Sussex PO18 8AX
Headquarters: Bishop Otter College.

Bookings: All bookings at the College should be made not later than January 31 through the local secretary, who will supply forms on request for the purpose. The cost of full board is £14. 00 (+service charge & V.A.T.) per day, but has been broken down and itemised for the convenience of members attending for only part of the time.

West Sussex is an attractive county for its variety of landscapes and bryophytes. The chalk of the South Downs, the heaths and woods of the Lower Greensand and the fertile oakwoods of the Weald Clay provide contrasting habitats of great interest. The county is relatively pollution free so that epiphytes are often luxuriant. The coastal areas are also worth visiting.

It is proposed to reserve accommodation and, it is hoped, laboratory facilities at Bishop Otter College and to include some of the "classic" sites in the itinerary, sites such as Northpark Copse with six species of Dicranum and both species of Leucobryum c.fr.

Wives/husbands and families of members may like to note that Chichester is a most interesting and attractive city steeped in history, possessing the Festival Theatre as well as the Cathedral. Several south coast resorts and Portsmouth (H.M.S. Victory and the Mary Rose) are within easy reach by road or rail.

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

Organizer & Local Secretary: Prof. Dr. R. Düll, Lehrstuhl f. Biologie (Botanik), D. Pädagog, Hochschule, 4100 Duisburg 1, Lotharstrasse 65, West Germany.

Five to six hundred species of bryophytes are known in the part of the Bavarian Alps between Lenggries and Garmisch on which this meeting will be concentrated initially. Then, towards the end of the week, it is intended to spend two days in the Berchtesgaden area. Travelling by 'bus from Köln or Duisburg, the cost of transport and accommodation is expected to be in the region of £120 per person. Full details are available from the local secretary, to whom bookings should be sent not later than April, 1985. Further details will appear in the next Bulletin.

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

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

It is proposed to reserve accommodation in one of the University halls of residence, and to hold the paper-reading, AGM and conversazione in the Museum itself. An unusual and welcome feature of the meeting is an invitation to see the bryophyte collections among which are, of course, the B.B.S. herbarium. Further details will be given in the next Bulletin.

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.

The Museum's curator, Dr Chatfield, has kindly invited the Society to hold this meeting in Selborne, where advantage can be taken of the wide variety of nearby woodlands. Instead of concentrating on a taxonomic group of bryophytes, it has been suggested that the theme of the meeting should be woodland bryophytes. With this in mind, Mr A.C. Crundwell, Dr F. Rose and Mr R.C. Stern have

generously agreed to act as leaders and tutors. Further details will appear in the next Bulletin.

SPRING FIELD MEETING, 1986, Norfolk.

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

Initial plans for this meeting are kindly being made by Mr Stevenson and Mr R.P. Libbey, who are considering the possibility of a central location to allow access to as much as possible of this large and interesting county.

SUMMER FIELD MEETING, 1986, Scotland.

Local Secretaries: Mr D.G. Long, Royal Botanic Garden, Edinburgh, EH3 5LR, and Mr G.P. Rothero, Benmore Centre, By Dunoon, Argyll, Scotland.

In kindly agreeing to organize this meeting, Mr Long and Mr Rothero have suggested that the first week of the fortnight might be spent in Fort William and the second further north.

ANNUAL GENERAL MEETING AND PAPER-READING MEETING, 1986.

Having met in Cardiff in 1985, it would be appropriate to hold this meeting in northern England. The meetings secretary would be pleased to know if you have any ideas for venues.

TAXONOMIC WORKSHOP, 1986.

It has been proposed that this might be held at Reading or Cambridge Universities, concentrating on techniques used in bryophyte culture. Your views would be welcomed by the meetings secretary.

OTHER BRYOLOGICAL MEETINGS, 1985-87

4 - 10 July, 1985: Third International Congress of Systematic and Evolutionary Biology, University of Sussex, Brighton. It will include a symposium on Bryophyte Phylogeny: the Origins and Relationships of the Major Groups, which is being organized by R.E. Longton on behalf of the British Bryological Society. Speakers will include Y. Asakawa (Tokushima Bunri University, Japan), Z.B. Carothers (University of Illinois, USA), J.G. Duckett (University of London, UK), M.E. Newton (Manchester University, UK) and B. Crandall-Stotler (Southern Illinois University, USA). It is planned that a session of contributed papers relevant to the theme of the symposium will also be arranged. Offers of posters or contributed papers, and requests for programmes and other information, should be sent to the ICSEB Congress Office, 130 Queens Road, Brighton, BN1 3WE, Sussex, UK.

5 - 10 August, 1985: I.A.B. Conference of Bryoecology, Vácrátót and Budapest, Hungary. Details from Dr T. Pócs, Research Institute for Botany, Hungarian Academy of Sciences, H-2163 Vácrátót, Hungary.

The conference, under the chairmanship of Prof. P.W. Richards, is intended to cover all fields of bryophyte ecology. The six sessions will be convened by, respectively, Dr M.C.F. Proctor, Drs H.J. During, Prof. N.G. Slack, Dr R. Wyatt, Dr R.E. Longton and Dr J. Sarosiek. There will also be field excursions to sand and alkaline steppes and to xeric bryophyte communities on dolomite and volcanic rocks.

12 - 14 August, 1985: 4th meeting of Central and East European Bryologists, Eger, Hungary. Details from Dr S. Orban, Botanical Department of the Ho Si Minh Teachers' College, Eger, Pf. 43, H-3301, Hungary.

Lectures during the first two days will cover all aspects of bryology and participants from all countries are welcome. An excursion will also be organized to the Zemplen Mountains, the richest bryological area in Hungary.

IAB BRYOLOGICAL METHODS WORKSHOP, MAINZ, 1987

The World Conference in Tokyo clearly indicated that bryologists now have interests in many non-taxonomical fields in addition to characters and geographic distribution. New methods and approaches to the study of bryophytes have rapidly emerged, and we feel there is a need to share not only the results of these studies, but also the methodology.

In the framework of the bryological program for the XIV I.B.C. (International Botanical Congress) in Berlin, 1987, the IAB is planning a bryological workshop in Mainz, Germany. The workshop will be held just prior to or following the actual congress (not to conflict with a field trip) and will provide hands-on experience in bryological methods. We hope that actual experiments can be performed by participants and that techniques in physiology, cytology, experimental ecology, and other aspects can be tried, with guidance by bryological experts. We are anticipating a workshop lasting 3 to 7 days to be held at the University of Mainz (local organiser: Dr E. Hartmann), where good laboratory facilities are available. We already have instructors for sterilization and culture techniques, chromosome counts and C-banding techniques, pigment extraction, protein analysis, pigment identification, and phytochrome experiments. Participants are encouraged to demonstrate techniques and equipment they have developed.

Each workshop instructor will be asked to provide each participant with a printed copy of detailed techniques, source of supplies and equipment and approximate cost in U.S. dollars or German marks, plus a bibliography of alternative methods and a rationale for the method chosen. We are investigating the possibility of publishing a bryological methods manual based on these workshops. Since most bryologists work in isolation and their students often wish to try different techniques, we hope that this will provide a service to students and researchers by providing more detailed information than is possible in published articles.

We hope to limit participation to about 50 in order to provide actual experience. Costs will be kept as low as possible. We would like a preliminary indication of interest to aid us in planning. An interest form is available from Dr Janice Glime. Please mail it as soon as possible to Dr Janice M. Glime if you wish to be on the mailing list. Only those persons responding will receive future correspondence. Organizing committee for this workshop: Dr Janice Glime, Dept. Biol. Sci., Michigan Technological University, Houghton, MI 49931, USA

Dr Elmar Hartmann, Inst. für Allgemeine Botanik der Universität,
Saarstrasse 21, 6500 Mainz, West Germany

Dr Hans Rudolph, Botanisches Institute, Universität Kiel, Olhausenstr.
40, Biologiezentrum, 2300 Kiel, West Germany

Dr Zen Iwatsuki, Botanical Institute, Faculty of Science, Hiroshima
University, Higashi-senda-machi, Hiroshima 730, Japan

B.B.S. LIBRARY SALES AND SERVICE 1984

FOR LOAN:

Members wishing to borrow books or papers are advised to consider whether a xerox copy of the appropriate pages would suffice instead of the original in view of current postal rates. The current charge is 10p per exposure.

(a) Approximately 220 bryological books, journals and several thousand offprints of individual papers. A catalogue of the books and journals is available from the librarian, price £1.00.

(b) Transparency collection, list available (S.A.E.). 630 slides in the collection. Loan charge (to cover breakage) 50p plus return postage. Only 50 slides may be borrowed at a time to minimise possible loss or damage.

(c) Microscope stage-micrometer slide for calibration of eyepiece graticules. 10µm divisions. Loan deposit £15.

FOR SALE:

British Bryological Society Bulletins: Back numbers from No 23 @ 60p each.

Transactions of the British Bryological Society / Journal of Bryology:

Vol. 1	parts 1-5	(£2.40 each)	£12	
Vol. 2	parts 1-4	(£3.00 each)	£12	
Vol. 3	parts 1-5	(£2.40 each)	£12	
Vol. 4	parts 1-5	(£2.40 each)	£12	
Vol. 5	parts 1-4	(£3.00 each)	£12	
Vol. 6	parts 1-2	(£6.00 each)	£12	ends the series of <u>Transactions</u>
Vol. 7	parts 1-4	(£5.00 each)	£20	renamed <u>Journal of Bryology</u>
Vol. 8	parts 1-4	(£5.00 each)	£20	
Vol. 9	parts 1-4	(£5.00 each)	£20	
Vol. 10	parts 1-4	(£8.00 each)	£32	
Vol. 11	parts 1-4	(£10.00 each)	£40	
Vol. 12	parts 1-4	(£11.50 each)	£46	
Vol. 13	part 1	(£15.00)		(Revised prices 1984)

Census Catalogues:

Duncan, J.B.	Census Catalogue of British Mosses, 2nd edition	1926	(20p)
Sherrin, W.R.	Census Catalogue of British Sphagna.	1946	(20p)
Paton, J.A.	Census Catalogue of British Hepatics, 4th edition	1966	(20p)
Warburg, E.F.	Census Catalogue of British Mosses, 3rd edition	1963	(20p)
Corley, M.F.V.	Distribution of Bryophytes in the British Isles	1981	
& Hill, M.O.	(A Census Catalogue of their Occurrence in Vice-counties)		
	Price incl. P. & P. Non-members	(£6.00)	Members (£5.00)

Other items:

Corley et al.	Mosses of Europe and the Azores. An Annotated List of Species, with Synonyms. Price including P. & P.	1981	(£2.50)
Grolle, R.	Hepatics of Europe and the Azores. An Annotated List of Species, with Synonyms. Price including P. & P.	1983	(£2.50)
Pearman, M.A.	A Short German-English Bryological Glossary.	1979	(50p)
Swift	x20 Handlens and Leather Case		(£7.00)
Idealteck	No 3 Stainless Steel Forceps		(£3.00)

PLEASE DO NOT INCLUDE CASH WITH U.K. ORDERS. CUSTOMERS WILL BE INVOICED FOR THE CORRECT AMOUNT INCLUDING P. & P. (POSTAGE & PACKING EXTRA UNLESS STATED)
All the above items available from the B.B.S. Librarian.

Dr Kenneth J Adams, 63 Wroths Path, Baldwins Hill, Loughton, Essex. IG10 1SH.

BRITISH BRYOLOGICAL SOCIETY LIBRARY CATALOGUE

Recent Additions Supplement: 1984

Ken Adams

- Bagnall J E (1896) *The Young Collector: Handbook of Mosses*. 4th edition. 98pp. Swan Sonnenschein & Co.*
- Bischler H (1977) *Index Hepaticarum*. Pars 7a Supplementum A-C. p741-907.*
- Bonner C E B (1962) " " Pars 2 Achiton-Balantiopsis. p1-320.*
- (1963) " " Pars 3 Barbilophozia-Ceranthus. p321-635.*
- (1963) " " Pars 4 Ceratolejeunia-Cystolejeunia.*
p637-926.
- (1965) " " Pars 5 Delavayella-Geothallus. p1-480.*
- (1966) " " Pars 6 Goebeliella-Jubula. p481-739.*
- (1976) " " Pars 8 Jungermannia. p1-414.*
- All parts published by J. Cramer.
- Catcheside D G (1980) *Mosses of South Australia*. 364pp. D J Woodman. Government printer. Issued by Handbooks Committee for S. Austral. Governmt.
- Clarke G S & Duckett J G edits. (1979) *Bryophyte Systematics*. xii + 582pp. Systematics Association. Special Volume no.14. Academic Press.
- Crum H A & Anderson L E (1981) *Mosses of Eastern North America*. Vol.1. 663pp. Vol.2. p664-1328. Columbia University Press.*
- Dixon H N (1954) *The Students Handbook of British Mosses*. 3rd edit. reprint. xlv + 592pp. Sumfield & Day. Eastbourne.*
- Gams H. (1950) *Kleine Kryptogamenflora von Mitteleuropa*. Band 1. Die Moos und Farnpflanzen. 186pp. Gustav Fischer. Jena.*
- Hobkirk C P (1884) *A Synopsis of British Mosses*. 2nd edit. viii + 240pp. L. Reeve & co. London.*
- MacVicar S M (1926) *The Students Handbook of British Hepatics*. 2nd edition. xxix + 464 + viii pp. Sumfield. Eastbourne.*
- Richardson D H S (1981) *The Biology of Mosses*. xii + 220pp. Blackwell.*
- Sayre G (1969) *Cryptogamae Exsiccatae - An Annotated Bibliography of Exsiccatae of Algae, Lichens, Hepaticae and Musci*. *Memoirs of the New York Botanic Garden*. Vol.19. No.1. part 1. General Cryptogams, part 2. Algae, part 3. Lichens. p1-107.*
- (1971) Ditto. Vol.19. No.2. part 4. Bryophyta. p175-276.*
- (1975) Ditto. Vol.19. No.3. part 5. Unpublished Exsiccatae.*
Collectors. p277-423. All published by the New York Botanic Garden.
- Steere W C & Crum H A (1977) *New Combinations and New Taxa of Mosses Proposed by Nils Conrad Kindberg*. *Memoirs of the New York Botanic Garden*. Vol.28. No.2. 220pp. The New York Botanic Garden.
- Szweykowski J (1981) *New Perspectives in Bryotaxonomy and Bryogeography*. 164pp. Adam Mickiewicz University. Poznan.
- Whitehouse H L K (1983) *Bryophytes: in A Checklist of the Flora of Cambridge-shire*, by G. Crompton and H. L. K. Whitehouse p65-79. University Printing Services. Cambridge.
- Woods R G (1983) *Red Data Book of Brecknock Plants*. Part 1: Mosses and Liverworts. Xerox typescript. Nature Conservancy Council.
- (* from the collection of the late A. J. Pettifer, * library purchases).

NEW VICE-COUNTY RECORDS AND AMENDMENTS TO THE CENSUS CATALOGUES

All undated records are based on specimens collected in 1983. 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

- 3.1 Sphaerocarpos michelii, exposed clay bank, nr Barling Hall (18), J.F. Skinner, 1977.
- 9.2 Marchantia alpestris, gravel drive, Oxshott (17), N.S. & Mrs L. Downes; roadside, nr Tarporley (58), Fisk, 1982; flower pots, University Botanical Garden, Cottingham, Hull (61), Fisk, 1982; edge of pavement outside parish church, Bingley (63), Blockeel.
- 11.1 Ricciocarpos natans, floating on pool, Hatfield Forest Marsh N.R. (19), J.L. Fielding, 1982.
- 12.9 Riccia crozalsii, Fairlight Cliffs ((14)), W.E. Nicholson, 1910 (CGE); rocks, nr Monmouth ((35)), W. Joshua, 1877 (MANCH); delete 42, no specimen traced. All from Paton, (1980).
- 13.1 Metzgeria fruticulosa, Tinkers Hollow, Shanklin (10), Snow; elder bushes at 975 ft. alt., near the railway viaduct, Batty Moss, Ribbleshead (64), Blockeel.
- 13.2 M. temperata, branch of Sambucus nigra, woodland nr Warmington (38), Wigginton, 1982; elder beside old railway, now road, Llanstephan (43), Woods; shaded tree trunk in garden, Larachmor Garden nr Arisaig (97), Long.
- 17.3 Riccardia incurvata, sandy soil in marsh behind shore, L. Leane, NW of Tomies Wood (H.1), Paton.
- 17.5 R. latifrons, on Sphagnum in bog, Wolmer Forest, W of Queen's Road (12), Rose.
- 18.2 Pellia neesiana, woodland ride, Pond path, Monks Wood, Abbots Ripton (31), Preston & R. Schumacker.
- 20.1 Moerckia hibernica, bank of small stream, Ballaghbeana Gap, Mullachanattin Mt. (H.1), Schaepe.
- 21.1 Blasia pusilla, delete H. 22, record not traced (Synnott, 1982).
- 22.8 Fossombronina incurva, damp sandy track between dunes and estuary, Rossbehy, nr Glenbeigh (H.1.), Paton.
- 23.1 Petalophyllum ralfsii, thin soil over limestone, Walls Hill Downs, Torquay (3), Pool
- 24.1 Haplomitrium hookeri, peaty detritus amongst stones on lake shore, E bank of Coomacullen L., nr Coomasaharn (H.1), Long; with Pellia on wet shady soil by lake, S end of L. Garagarry, Mangerton Mtn. (H.2), Long.
- 26.3 Barbilophozia floerkei, mossy turf amongst sandstone blocks on exposed ridge, O'Loughnan's Castle, Galty Mts. (H.7), Long.
- 26.5 B. attenuata, exposed tree root in woodland, Stockgrove County Park (30), Yeo.
- 26.6 B. hatcheri, thin soil on vertical face of W-facing cliffs of Pen-y-Ghent (54), Newton.
- 28.1 Lophozia ventricosa a var. ventricosa, old gravel workings nr Headley, S of Newbury (12), Brough; shaded sandstone, Sweeny Mtn., SW of Oswestry (40), Paton, 1975; silty trunk of tree by river, Rhayader, W of R. Wye (43), Orange; unshaded acid soil bank, Llangurig, W side of R. Wye (47), Orange; stone wall on hillside, Bickerton (58), Fisk; sandstone boulder, East Arncliffe Wood, Egton (62), Paton, 1967; moist bank, Henhole, Cheviot (68), Paton, 1963; submontane heathy bank, nr Eaglesham (77), Wigginton; small birchwood below Craig Maud, Glen Doll (90), Paton & U.K. Duncan, 1963; peaty bank, Mountshade, 8 miles N of Fettercairn (91), Paton & U.K. Duncan, 1963; soil on bank overlying rocks, Glen Gairn, nr Ballater (92), Corley; peat on edge of small

- pool, nr Creag Ealraich, S of Lochindorb (95), Paton; sand on base of upturned Betula, nr Insh, Strathspey (96), Paton; boulders in wood, below Loch an Dromaa, W. of Contin (106), Paton, 1968; peaty bank, Evra Houll, West Yell (112), Paton, 1974; heathy bank nr road onto Rossmore Island, W of Kenmare (H.1), Paton; streambank, Knockastakeen, Galtee Mts. (H.7), Paton, 1966; peaty bank nr Shandangan L., NE of Corrofin (H.9), Paton, 1968; heathy banks W of Cloroge, Mt. Leinster (H.12), Paton, 1975; peaty bank near summit, Ben Bulbin (H.28), Paton, 1970; cutover bog, W of Carricknagower L., SE of Belleek (H.33), Paton, 1969: b var. silvicola, peaty bank on rocky N-facing slope, Plynlimon Fawr (46), Paton, 1972; creeping over surface of Leucobryum cushion in damp flush near the coast, W of Trefri, Bodorgan (52), Blackstock; blanket mire, Brennand Hill, Bowland (60), Wigginton; wet heath N of Osmotherley (62), Paton, 1967; peat on rock, nr Bizzle Burn, Cheviot (68), Paton, 1963; montane rock crevice, Laird's Seat (77), Wigginton; peaty ditch, White Moss, S of West Linton (78), Paton, 1971; birchwood, Lair, Glenshee (89), Paton & U.K. Duncan, 1963; on Leucobryum, Millers Bog, nr Glendye, 8 miles N of Fettercairn (91), Paton & U. K. Duncan, 1963; sand on base of upturned Betula, nr Insh, Strathspey (96), Paton: c var. longiflora, delete 39, specimen (NMW) is var. ventricosa or var. silvicola (comm. A.J.E. Smith).
- 28.4 L. sudetica, base of millstone grit rock in roadside quarry, Wildboardclough, nr Macclesfield (58), Paton, 1966.
- 28.8 L. incisa, on Sphagna in damp flush near the coast, SW of Trefri, Bodorgan (52), Blackstock.
- 29.4 Leiocolea alpestris, in short vegetation of calcareous marsh, Frilford Golf Course, nr Abingdon (22), Rose et al.
- 38.10 Jungermannia caespiticia, moist gritty soil on bank by moorland stream, Upper Skell Gill, between Pateley Bridge and Ripon (64), Blockeel.
- 38.11 J. hyalina, stream above L. Managh, Horse's Glen, Mangerton Mtn. (H2), Paton.
- 38.14 J. subelliptica, damp limestone rock crevices at side of river in ravine, Water of Ailnack, Tomintoul (94), Corley.
- 40.1 Marsupella emarginata b var. aquatica, boulders in stream, West Okement R., nr Okehampton (4), Corley, 1982; wet rock by stream, nr Pontrhydfendigaid, Afon Teifi below Llyn Teifi (46), Orange, 1981.
- 40.4 M. sprucei, outcrop of slate in pasture, E of Wharfe village, nr Austwick (64), Blockeel, 1982.
- 41.1 Gymnomitrium concinnatum, W side of Skelfhill Pen (80), Corner, 1973.
- 46.4 Plagiochila britannica, boulder in limestone woodland, Oxwich Bay, Gower (41), Blockeel; limestone rocks in wooded gorge, by the Afon Meirchion, Coed Carreg-wen, nr Henllan (50), Blackstock et al; shaded limestone near pool, old copper mines, Ross Island, Killarney (H.2), Paton.
- 46.5 P. atlantica, base of Ilex in shady woodland on river bank, Galway's R. above Galway's Bridge, Killarney (H.2), Long.
- 49.2 Chiloscyphus pallescens, grassy basic flush on N-facing slope, Galtybeg, Galty Mts. (H.7), Long.
- 55.3 Scapania cuspiduligera, damp limestone rock crevices at side of river in ravine, Water of Ailnack, Tomintoul (94), Corley.
- 55.4 S. scandica, nearly vertical peaty exposure on bank of upland beck, Winfold Fell (60), Wigginton; earthy slope on S side of L. Erhogh, Horse's Glen, Mangerton Mtn. (H.2), Paton.
- 55.5 S. curta, sand bank in Betula wood, near Insh, Strathspey (96), Paton new to Scotland.
- 55.16 S. undulata, delete H.22, H.23, no records traced (Synnott, 1982).
- 55.20 S. aspera, exposed limestone rocks, E of Doo L., Muckcross Park, Killarney (H.2), Long.
- 58.3 Cephaloziella rubella, amongst Campylopus pyriformis on rotten wood, heath NW of Holmsley Inclosure, New Forest (11), Paton, 1954; on

- Leucobryum in damp slack on dunes by golf-course, Isle of Iona (103), U.K. Duncan, 1970 (Herb. Paton).
- 58.6 C. divarica, peat on lake margin, Holme Fen (31), Sargent.
- 58.7 C. stellulifera, friable copper-bearing rocks on steep slope, gully above Coommacronia L., SW of Glenbeigh (H.1), Paton.
- 59.4 Cephalozia loitlesbergeri, among Sphagnum in blanket mire, Glac na Criche, Islay (102), E.M. Signal, 1981 (Lindsay et al., 1983).
- 59.8 C. catenulata, peaty bank S of L. Ille Mohr, S. of Lochindorb (95), Paton.
- 61.1 Cladopodiella francisci, peaty soil on sandy heath, Skipwith Common, nr Selby (61), Blockeel.
- 64.2 Anthelia juratzkana, edge of snowpatch, Coire Raibeirt, Cairngorm (94), Paton; soil on N side of Beinn na Sreine, Ardmeanach, Mull (103), Corner.
- 66.2 Kurzia trichoclados, peat on edge of small pool, nr Creag Ealraich, S of Lochindorb (95), Paton.
- 67.1 Lepidozia reptans, decaying tree stump by woodland ride, S part of Gransden Wood, Great Gransden (31), Preston & Whitehouse.
- 67.2 L. pearsonii, mossy turf among sandstone blocks on exposed ridge, O'Loughnan's Castle, Galty Mts. (H.7), Long.
- 69.3 Calypogeia muellerana, peaty hollow in boggy ground, Skipwith Common, nr Selby (61), Blockeel.
- 72.2 Ptilidium pulcherrimum, on elder, Rowborough Bottom, Brighstone Forest (10), Stern; rocks beside Afon Elan nr Elan village (43), Woods.
- 75.2 Radula lindenbergiana, moist rock face in sheltered ravine, Twistleton Glen, Ingleton (64), Blockeel.
- 77.5 Porella pinnata, rocks in R. Wye below the old railway bridge, Boughrood (43), Woods.
- 78.5 Frullania dilatata, sloping limestone capping of brick churchyard wall facing north, Eastwood Church (18), T. Pyner, 1982; on Salix, Ruislip Local N.R. (21), Duckett & Gardiner.
- 83.8 Lejeunea ulicina, on Alnus, Muir Burn, Tinnis, Newcastleton (80), Corner.

MUSCI
M.O. Hill

- 1.1 Sphagnum imbricatum, edges of calcareous flushes, E side of Raechester Burn, Ottercops, between Otterburn and Kirkwhelpington (67), A.J. Richards & H.A.P. Ingram.
- 1.2 S. papillosum, boggy ground by small stream, Patmore Heath, Albury (20), Bentley.
- 1.4 S. magellanicum, valley-bog, Landford Common (8), Rose & Brough.
- 1.8 S. girgensohnii, ravine of Hermanlaw Burn, Yarrow (79), Corner, 1976.
- 1.9 S. russowii, acid pool in woodland, the Rough, North Ascot (22), Bates; amongst rushes beneath birches, Flitwick Moor (30), Yeo; Gameshope Linn, Ettrick (79), Corner, 1976.
- 1.11 S. warnstorffii, base-rich fen, Docker Bog (60), Wigginton, 1978.
- 1.13 S. fuscum, Cores Bog, W side of Mangerton Mt (H.2), Synnott.
- 1.15 S. molle, damp heath, NW side of valley bog, Wellington College, nr Crowthorne (22), Bates.
- 1.18 S. platyphyllum, rich fen, Errisbeg (H.16), A. Moen, 1980 (Moen & Synnott, 1983).
- 1.27 S. recurvum a var. amblyphyllum, hollow in mixed woodland, Widdenton Park Wood, High Wycombe (24), Jean Buchanan; in bog, Corngafallt, nr Llanwrthwl (42), Orange; moorland bog nr Pont ar Elan, nr Rhayader (43), Gardiner & Milnes-Smith: b var. tenue, on marshy ground with Juncus spp., Burley Wood, c. 2.5 km E of Oakham (55), Jackson; flush beside stream, 480 m alt., NW of Aonach Mor, nr Ben Nevis (97), E.L. Birse: c var. mucronatum, boggy ground by spring in woodland, W of

- Kenwood House (21), Milnes-Smith & Gardiner.
- 2.4 Andreaea rothii a ssp. rothii, rock-face, E-facing slope of Red Daren (36), Side.
- 14.8 Ditrichum plumbicola, on lead-mine spoil, hillside above Bron Rhedyn, NE of Betws-y-Coed (50), N.A. Sanderson.
- 17.1 Brachydontium trichodes, on vertical face of damp, rather shaded sandstone rock above stream, Stockgrove County Park (30), Yeo.
- 18.5 Seligeria paucifolia, on loose calcareous stones in shallow hollow, Wakerly Great Wood, nr King's Cliffe (30), Gardiner & Milnes-Smith.
- 18.8 S. recurvata, on boulder beside river in open ravine, Water of Ailnack, Tomintoul (94), Corley.
- 23.3 Rhabdoweisia crenulata, crevices of rocks on steep N-facing slope, S slope above Lough Erhogh, Mangerton Mt (H.2), Long; sandstone ledges on exposed ridge, O'Loughnan's Castle, Galtey Mts (H.7), Long.
- 28.4 Dicranella crispa, on wet shaded vertical rock-face, western side of Tilton cutting, Tilton (55), I. Evans; wet vertical bank of Cheesden Brook, N of Heywood (59), Newton, 1977.
- 28.9 D. cerviculata, in clay pit nr Manea (29), Hill & Whitehouse, 1966.
- 32.12 Dicranum montanum, decaying log nr Tymawr Mill, Llanfihangel Brynpabuan (42), Woods; on rotting log, oak-ash woodland, Hamilton (77), Wigginton.
- 32.13 D. flagellare, rotting stump in woodland, nr Tycwtta, Llanwrthwl, nr Newbridge-on-Wye (42), Orange - new to Wales.
- 32.14 D. tauricum, on bark of crab apple tree, Sea Wood, Bardsea (69), Walker, 1982.
- 34.5 Campylopus pyriiformis b var. azoricus, abundant on dead Molinia tussocks, boggy area to S of Horne Row, Danbury Common (18), Adams, 1981, conf. Corley.
- 34.11 C. introflexus, Handwick Wood, nr Stroud (33), Mrs A. Kelham.
- 36.2 Leucobryum juniperoideum, on rotting log, nr Danebridge (58), R. Vince, 1975 (BBSUK), conf. Crundwell; delete 59, recorded in error for v.-c. 58; on a dead rotten tree stump by Artle Beck, in gorge 400 m up from Wolf Bridge, Caton (60), Walker; grit rock, E bank of R. Wharfe, nr the Strid, Bolton Woods (64), Blockeel & Hill; on banks in scrubby oak woodland, W bank of Blackwater River, above Blackwater Bridge, Kenmare River (H.1), Long.
- 37.2 Fissidens viridulus, soil bank by R. Wye, Hay-on-Wye (42), Orange.
- 37/2A F. pusillus a var. pusillus, delete 29, specimen (BBSUK) lacks capsules and cannot be assigned with certainty to this variety: b var. tenuifolius, shaded stonework of tombstone, Harefield Parish Church (21), Gardiner.
- 37/2B F. limbatus, steep bank in limestone wood, Coed Carreg-wen, nr Henllan (50), Hill & Yeo; on earth, Ross Island, 3 km SW of Killarney (H.2), Bloom.
- 37.6 F. rivularis, damp shady limestone rocks under trees on lake shore of Lough Leane, nr Ross Castle (H.2), Long - new to Ireland.
- 37.8 F. crassipes, stonework of bridge at water level, Derwent Bridge, Bubwith (61), Blockeel.
- 37.12 F. celticus, on sandy loam exposure on river bank, nr R. Lune, Melling (60), Wigginton; sand soil on bank of stream in sheltered ravine, Twistleton Glen, Ingleton (64), Blockeel; woodland bank above stream below Torc Cascade, Killarney (H.2), Paton; rut in woodland ride, 9 km S of Cork Airport (H.4), Bloom.
- 38.1 Octodiceras fontanum, submerged on concrete embankment of the Western Cleddau, under road bridge, Haverfordwest (45), Blockeel.
- 40.5 Tortula virescens, on sycamore in village green, Linton, nr Grassington (64), Miss A.E. Newton & O'Shea; on ash trunk in park, Craigievar Castle, S of Alford (92), Corley.
- 40.8 T. muralis b var. aestiva, base of damp wall, parish churchyard, Pentney (28), Stevenson.

- 40.9A T. solmsii (Schimp.) Limpr., 1,3 (Long & Hill, 1982).
- 40.12 T. latifolia, on tree boles in flood zone, beside A. Teifi, just N of Abercych (45), Blockeel.
- 40.13 T. vahliana, place 3 in (), recent records refer to T. solmsii, but the following is correctly named - Anstey's Cove, nr Torquay (3 in ()), W.E. Nicholson, 1913 (CGE).
- 41.2 Aloina rigida, limestone 'mud' in quarry, Leadenham (53), Wigginton, 1982.
- 45.2 Pottia starkeana c ssp. conica, fallow field nr Waltham Abbey (18), Adams, 1967: d ssp. minutula, chalk turf, Sheephouse Copse, Well, nr Bentley (12), Crundwell.
- 45.6 P. lanceolata, on soil of Old Red Sandstone rocks in gully, W end of Pen Rhos Dirion, Black Mountains (42), Woods.
- 48.1 Hyophila stanfordensis, collectors of specimen from v.-c. 24 (Bull. B.B.S. 42, 51, 1983) were Miss J.J. Dennis & Whitehouse, not Davis & Whitehouse as published; by tree roots on shaded path nr left bank of R. Tweed, about 0.2 km E of bridge over the river, SE of Fairnilee (79), Whitehouse; on path under trees, right bank of R. Tweed, 2 km NE of St. Boswells (80), Whitehouse; on trampled ground under trees above flood level, on N bank of R. Tweed, by lay-by SW of Birgham (81), Whitehouse.
- 49.1 Barbula convoluta b var. commutata, church wall, Bromham (30), Yeo; on mortar in stone wall at edge of wood, Coed Môr, nr Llanfairpwllgwyngyll (52), Yeo.
- 49.3 B. hornschurchiana, stony soil, old railway nr Newbridge-on-Wye (42), Orange.
- 49.4 B. revoluta, limestone rocks, 600 m alt., Craig Leek, Braemar (92), Corley.
- 49.6 B. icmadophila, mixed with Schistidium apocarpum, Benbulbin (H.28 in ()), D. McArdle, 1880 (DBN), comm. Synnott, conf. Crundwell - new to Ireland.
- 49.16 B. trifaria, on stone edge of drive, Diss Cemetery (27), Smith; on concrete embankment of stream, Great Cumbrae (100), Cocking.
- 49.22 B. ferruginascens, bare soil among outcrops of Coniston Grit, on bank of stream, Ease Gill, Leck (60), Blockeel.
- 49.23 Bryoerythrophyllum caledonicum Long, 88,98,104 (Long, 1982).
- 50.3 Gymnostomum recurvirostrum, abundant in basic flush, Langtae Sike, Billhope Burn, Hermitage (80), Corner.
- 51.1 Gyroweisia tenuis, on mortar of damp brickwork, wall of church, Dunton (30), Yeo; on mortar in stone wall, Deiniol Street, Bangor (49), Yeo.
- 52.2 Anoetangium warburgii, sandy limestone on bank of R. Dee, above Blackhall Castle, nr Banchory (91 in ()), J. Sim, 1871 (BM) - earliest known record, comm. Whitehouse, conf. Hill.
- 57.1 Tortella fragilis, soil among limestone rocks in ravine, Water of Ailnack, Tomintoul (94), Corley.
- 57.4 T. inclinata, Shacklewell Hollow, Rutland (55), Rose, 1948 (BBSK), conf. Crundwell - record accidentally omitted from final draft of 1963 Census Catalogue, specimen also confirmed by Hill, 1983.
- 57.7 T. inflexa, chalk lump in chalk grassland, Horse Dale, nr Fridaythorpe (61), Wigginton, 1982.
- 59.1 Trichostomopsis umbrosa, on brick, base of greenhouse, nr R. Cherwell, botanical gardens, Oxford (23), Bloom; damp shaded brick wall, Podington church (30), Yeo.
- 60.1 Leptodontium flexifolium, detritus on rock, Nant Irfon, Abergwesyn (42), Woods.
- 62.1 Coscinodon cribrosus, open slate rock-face, Twistleton Glen, Ingleton (64), Blockeel & Ormand.
- 63.6 Schistidium strictum, delete 60, specimens (NMW, YRK) are S. apocarpum, det. Wigginton, conf. Hill.
- 64.17 Grimmia trichophylla b var. subsquarrosa, on sloping rock by track,

- Ashwick Grove, nr Shepton Mallet (6), Appleyard.
- 65.1 Dryptodon patens, boulders on lake shore, N end of Lough Managh, Mangerton Mt (H.2), Long.
- 66.1 Racomitrium ellipticum, rock on N shore of L. Managh, Horse's Glen, Mangerton Mt (H.2), Paton.
- 66.6 R. affine, rock in NW corrie, Mullaghanattin, NW of Kenmare (H.1), Paton.
- 66.9 R. canescens a var. canescens, Minehead (5 in ()), Gillford, 1872 (OXF) (Frisvoll, 1983); delete 9, specimen (herb. E.W. Jones) is R. ericoides; mixed with R. ericoides in ballast pit, Holt (27 in ()), W.H. Burrell, 1902 (NMW); dunes, Eskmeals Nature Reserve, S of Ravenglass (70), Seaward; stony soil over basic rocks, Water of Ailnack, Tomintoul (94), Corley; sandy soil beside track, old gravel pits, Kingston (95), Paton; Kilmory, Isle of Rhum (104), Dennis, 1961 (BM) (Frisvoll, 1983): b var. ericoides, delete entry and replace by the following two.
- 66.10 R. ericoides (Brid.) Brid., 2-6,9,(19,27),29,33-35,37,38,40-49,52,57,59,60,64-67,69,70,72,73,79-83,85,87,88,90,92,94-98,100,104-106,108. H1-3,5,12,13,15,16,18-21,25,27-33,35,38,39,(Hill, 1984); and add - Risby Warren (54 in ()), W. Fowler, 1878 (herb. M.R.D. Seaward); on soil at side of footpath, Mugdock, nr Milngavie (86), Crundwell, 1954; sand dunes, Glenbatrick, Isle of Jura (102), Crundwell, 1953.
- 66.11 R. elongatum Frisvoll, 3,4,(9),11,12,(20),40,42,43,46-49,52,68,70,81,85,88,90,92,96,105. H20,39 (Hill, 1984); and add - roadside nr Strathblane (86), Crundwell, 1950; Meall Vaine, Glenshee (89), R.H. Wright, 1925.
- 70.1 Discellium nudum, damp clay bank beside trunk road nr Esgair Draenllwyn Bridge, Llanbadar Fynydd (43), Woods.
- 73.1 Physcomitrella patens, dried up floor of Tarleton's Lake, Bayhurst Wood, nr Ruislip (21), Gardiner & Milnes-Smith; bare mud beside flooded pit, disused gravel pits nr Odell (30), Yeo.
- 75.5 Ephemerum serratum c var. minutissimum, arable field, Riseley (30), Yeo & Outen.
- 78.1 Tetraplodon angustatus, with T. mnioides on dung beside path in western valley, Eag Mhor, Braes of Abernethy (95), Paton.
- 81.1 Schistostega pennata, on sandstone in quarry by Mellow Farm, Heath Hill, Headley Parish (12), Wallace, 1982.
- 85.6 Pohlia drummondii, damp mud by lake, W shore of Coomasaharn Lake, below Coomreagh (H.1), Long.
- 85.11 P. camptotrachela, damp ruts in old pasture, W. bank of Blackwater River, above Blackwater Bridge, Kenmare River (H.1), Long.
- 85.12 P. muyldermansii, earthy slope on S side of Lough Erhogh, Horses Glen, Mangerton Mt (H.2), Paton.
- 85.14 P. lutescens, laneside, Penmynydd, nr Menai Bridge (52), Hill & Yeo; bank of ditch, Craigievar Castle, S of Alford (92), Corley.
- 85.15 P. lescuriana, sandy loamy roadside bank, Llangoed (52), Hill.
- 85.16 P. carnea, shady soil over limestone in woodland, E of Doo Lough, Muckross Park, Killarney (H.2), Long.
- 85.17 P. wahlenbergii a var. wahlenbergii, disturbed clay soil of woodland ride, Mear Ride, Waresley Wood (31), Preston & Whitehouse.
- 86.1 Epipterygium tozeri, on sandy lane bank, N of Mellow Farm, Headley (12), Rose & Brough.
- 88.1 Anomobryum filiforme b var. concinnum, crevice of limestone rock, beside river, Ease Gill, Leck (60), Wigginton.
- 89.1 Bryum marratii, damp hollow on fixed dunes, W side of Rossbehy Creek, Glenbeigh (H.1), Long. conf. Crundwell.
- 89.16 B. inclinatum, in soil-filled cracks, kerb of shore road, Great Cumbræ (100), Cocking.
- 89.17 B. knowltonii, damp hollows, NW of Pennington Flash, nr Leigh (59), Newton, 1977.

- 89.23 B. flaccidum, on wych-elm by river, Water of Ailnack at Delnabo, Tomintoul (94), Corley.
- 89.24 B. torquescens, limestone bank, Great Orme (49), Hill et al., 1973.
- 89.26 B. creberrimum, on stony basic ground in a clearing, Asham Wood, nr Frome (6), Appleyard.
- 89.38 B. gemmiferum, Rewell gravel pit, nr Arundel (13), Stern, 1976.
- 89.40 B. dunense, clayey margin of pond, edge of Bayhurst Wood (21), Gardiner & Milnes-Smith; sandy soil, arable field near Hamilton (77), Wigginton.
- 89.42 B. radiculosum, on old wall by road, nr bridge leading to Rossmore Island, Kenmare River (H.1), Long.
- 89.44 B. violaceum, kitchen garden, Glebe House, Dervaig, Mull (103), Whitehouse.
- 89.45 B. klinggraeffii, kitchen garden, Glebe House, Dervaig, Mull (103), Whitehouse.
- 89.48 B. microerythrocarpum, on soil of old railway bank, SE of old Erwood station (43), Woods.
- 91.2 Mnium thomsonii, delete 60, specimens (NMW,YRK) are M. marginatum, det. Wigginton, conf. Hill.
- 94.2 Plagiomnium affine, in turf, gardens of Syon House (21), Milnes-Smith & Gardiner, 1982; in churchyard, Wortham, SW of Diss (25), Smith; under trees, Diss Cemetery (27), Smith; soil in woodland nr stream, Ty'n-y-coed, Llysdinam, nr Newbridge-on-Wye (42), Orange, 1982; in turf in birch wood, Glen Gairn, nr Ballater (92), Corley.
- 94.3 P. elatum, base-rich marsh under trees, Ffrwd, nr Caergwrle (51), Hill, 1973.
- 105.3 Philonotis arnellii, sandy-clay soil exposure by upland gill, c.350 m alt, Mallowdale Fell (60), Wigginton.
- 109.3 Zygodon conoideus, on elder at base of Leete Wood, Barton (30), Yeo.
- 110.7 Orthotrichum rupestre, S-facing shale rocks, old quarry beside road, S of Bryngwyn, nr Rhosgoch (43), Woods.
- 110.9 O. sprucei, on sycamore bole in flood zone, beside A. Teifi, just N of Abercych (45), Blockeel.
- 110.14 O. stramineum, on sycamore trunk, beside R. Wharfe, Hubberholme, upper Wharfedale (64), Blockeel.
- 110.15 O. pallens, wych-elm by river, Water of Ailnack, Tomintoul (94), Corley.
- 111.2 Ulotia drummondii, N side of Afon Clywedog, below Llyn Clywedog (47), C.A. Chadwell, 1982, comm. Orange.
- 111.3 U. crispa b var. norvegica, dead elm, Green Hill, Gayton (28), Stevenson.
- 111.6 U. phyllantha, epiphytic, Green Hill, 2.5 km NE of Gayton (28), Stevenson; on willow by R. Ribble, West Bradford, N of Clitheroe (64), Blockeel.
- 112.1 Hedwigia ciliata, ramp covered with tarred chippings, in quarry, Blackborough End, King's Lynn (28), Stevenson.
- 113.1 Fontinalis antipyretica b var. gracilis, swift-flowing montane stream, Laird's Seat (77), Wigginton: c var. gigantea, on sandstone rocks in R. Ribble, Preston (60), Wigginton; NE shore, Coomnacronia Lake, SW of Glenbeigh (H.1), Paton.
- 115.1 Cryphaea heteromalla, on old elder, Priory Park, Hitchin (20), Bentley.
- 115.2 C. lamyana, on sycamore bole in flood zone, beside Afon Teifi, just N of Abercych (45), Blockeel.
- 117.1 Antitrichia curtipendula, epiphytic on sycamore, playing field by Clyde, Abington (77), Stevenson.
- 129.1 Myrinia pulvinata, tree boles in flood zone of R. Esk, Danby (62), J. Robertson.
- 131.2 Pseudoleskeella nervosa, basic schist rocks in block scree, below E cliffs of Meall nan Tarmachan (88), Long & Murray, 1982.
- 132.1 Leskea polycarpa, base of poplar, Woodhouse Copse, nr Wootton (10), Stern.

- 137.4 Thuidium philibertii, on lime-kiln waste in old quarry, Pant' y llyn, Milo, Llandybie (44), Woods; in turf among limestone rocks, Craig Leek, Braemar (92), Corley.
- 140.3 Campylium polygamum, wet clay bank subject to sea spray, S end of Mill Bay, Stronsay (111), Lewis Smith, 1972.
- 141.2 Amblystegium fluviatile, on wooden weir in stream, Great Cumbrae (100), Cocking.
- 143.4 Drepanocladus fluitans b var. falcatus, submerged in pool with sphagnum, Hertford Heath, nr Hertford (20), Yeo.
- 143.5 D. exannulatus b var. rotae, Olchon Brook, Llanveynoe (36), Barfield, 1982; flush, Allt Dderw, Bryngwyn (43), Port.
- 143.8 D. uncinatus, place 19 in (), no record since 1860, comm. Adams.
- 146.4 Calliergon giganteum, basic flush on mountain slope, Nant Nodwydd, Llangadfan (47), Benoit.
- 150.4 Brachythecium salebrosum, disused railway sidings, nr Baynards Station (17), Gardiner & Milnes-Smith.
- 150.5 B. mildeanum, rabbit-grazed dune-slack, Bay of Holland, Stronsay (111), Lewis Smith, 1976.
- 150.12 B. populeum, on stony ground, Harefield Place Nature Reserve (21), Milnes-Smith & Gardiner.
- 152.1 Scleropodium cespitans, roots of large ash tree by river, Inverawe, Loch Etive (98), G. Rotheroe.
- 153.3 Cirriphyllum crassinervium, on roots on wych-elm by Water of Ailnack, Delnabo, Tomintoul (94), Corley.
- 155.5 Eurhynchium praelongum b var. stokesii, on stony ridge, Box Hill (17), Appleyard & Bloom.
- 155.6 E. swartzii b var. rigidum, on strongly calcareous clay, Stockton (38), Wigginton; limestone grassland by Ais Gill, Garsdale (69), Wigginton, 1977.
- 159.3 Plagiothecium denticulatum a var. denticulatum, base of tree, Park Wood, Ruislip (21), Gardiner; stream bank, woodland N of Belgooly, nr Kinsale (H.4), Stern.
- 159.6 P. laetum, ash-oak wood in glen, Dyfnant, Cwm Nant y Meichiaid, between Llanfylllyn and Pontrobert (47), Benoit.
- 159.10 P. nemorale, stream-bank, woodland N of Belgooly, nr Kinsale (H.4), Stern.
- 165.1 Pylaisia polyantha, on elder nr limestone quarry, Dolyhir Bridge (43), Woods.
- 168.4 Hypnum mammillatum, on elder, beside stream at base of Leete Wood, Barton (30), Yeo; on bole of tree, Tunneley Wood, nr Exton, E of Oakham (55), Jackson, 1982.
- 171.1 Hycomium armoricum, Olchon Brook, Llanveynoe (36), Barfield, 1982; sandstone rock by beck nr Laird's Seat (77), Wigginton.

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Contributors of records, 1983

K.J. Adams, Mrs. J. Appleyard, T. Barfield, J.W. Bates, P.M. Benoit, F. Bentley, T. Blackstock, T.L. Blockeel, G. Bloom, P. Brough, Mrs. K.M. Cocking, M.F.V. Corley, R.W.M. Corner, A.C. Crundwell, J.G. Duckett, R.J. Fisk, J.C. Gardiner, M.O. Hill, P.E. Jackson, R.I. Lewis Smith, D.G. Long, Mrs. M. Milnes-Smith, Mrs. B.M. Murray, Dr. Martha E. Newton, A. Orange, E. Ormand, B.J. O'Shea, A. Outen, Mrs. J.A. Paton, M. Pool, P.J. Port, C.D. Preston, F. Rose, Dr. C. Sargent, Miss A. Schaepe, M.R.D. Seaward, Mrs. A.G. Side, A.C. Smith, Mrs. L. Snow, R.C. Stern, C.R. Stevenson, D.M. Synnott, R. Walker, E.C. Wallace, H.L.K. Whitehouse, M.J. Wigginton, R.G. Woods, M. Yeo.

A BRYOLOGIST IN ITALY

In the summer of 1983 I accompanied Drs J.R. Akeroyd, S.L. Jury and Mr C.J. Miles, from the Botany Department, University of Reading, on a plant collecting expedition to Italy and Sicily, during the period 30 June to 9 August. My participation was facilitated by a Warburg Award from the British Bryological Society and the Botanical Society of the British Isles, and my principal responsibility was the collection of bryophytes. This brief report gives my initial impressions of the flora encountered.

The expedition was my first trip abroad as a botanist. I was therefore anxious to spot the first non-British plant, so that I would truly know this was no longer home! This, Stachys recta, was duly located on waste ground by an N route service station in northern France. Also present in some abundance were the British rarities Herniaria glabra and Teucrium botrys.

Waste ground by French major roads continued to produce plants which in Britain are very rare or local, Melampyrum arvense and Rhinanthus serotinus particularly sticking in the mind. The former was locally abundant, at one site growing under apple on a weedy hillside with Lathyrus aphaca and a single plant of Ophrys fuciflora, and at another being almost overshadowed by the spectacular Trifolium rubens.

I was not fully prepared for the uniform brownness which characterises the Mediterranean region in late July, or the, at times, unbearable heat. Searching for bryophytes in such conditions proved 'entertaining'. The abundance of Targionia hypophylla and Pleurochaete squarrosa in dry stony areas was matched by the rich epiphyte communities. Almost every oak examined had Leucodon sciuroides often associated with Leptodon smithii, the latter causing some puzzlement in the field by resembling a rolled up Thuidium when dry! In the higher wooded areas of Calabria and the Gargano peninsula the increased moisture allows the survival of a rich bryophyte and vascular plant flora. Flowers of Limodorum abortivum were just over, as were those of the abundant Orthilia secunda, but mosses such as Antitrichia curtipendula and Dicranum tauricum were at their best.

The high spots of Sicily (literally!) were the Madonie Mountains and the then erupting Mt. Etna. Both were not only remarkable for their breathtaking scenery but for the high degree of endemism. Thus Mt. Etna boasted the attractive Genista aetnensis, seen earlier as an introduced plant on Vesuvius, as well as the interesting Senecio aetnensis, a close relative of the now ubiquitous S. squalidus. The taxonomic status of many of the claimed Madonie

endemics was debated as we enjoyed the scenery and paid homage to two of the 23 surviving individuals of Abies nebrodensis, a delightful fir confined to a single upland valley in these mountains. In the same range is to be found a flush containing Sphagnum spp., Osmunda regalis and Laurentia gasparrinii, a delicate relative of Lobelia, all amongst low scrub holly. This community is unusual in the Mediterranean region.

The most promising area visited on our return to Italy was the Monte Pollino massif at the northern end of Calabria. This had been recommended by Arthur Chater at the BM, and was hence known as "Arthur's Mountain", and it proved exceptional. It was a southern stronghold for many alpine plants encountered on our way out, e.g. Gentiana lutea and Rumex alpinus. Also present was Saelania glaucescens, an unmistakable bryophyte encountered later in the Abruzzi Mountains. To my delight we also found eight species of Orobanchae, another of my responsibilities, including the rare British natives O. caryophyllacea and O. reticulata. There was an abundance of orchids, many of course by this time with dead flowers. Orchis simia, Cephalanthera rubra, Himantoglossum hircinum var. caprinum and a profusion of epipactis were amongst those noted. Epipactis atrorubens was almost dominant on one rocky slope, whilst the fascinating E. microphylla accompanied C. rubra in the beech wood shade. It was interesting to note the native Laburnum in the woods, and the fishy smelling Chenopodium vulvaria on the roadside. All were present in an area which looked down on much of Southern Italy and is still comparatively unspoilt and little visited!

In all some 1,650 numbers were collected. Many of these specimens are already proving useful in the revision of Flora Europaea Vol. 1, and will undoubtedly continue to provide important taxonomic material for students of the Mediterranean flora for years to come. Often neglected groups such as Umbelliferae, Polygonaceae and Orobanchaceae were concentrated on, as was the confusing Anthyllis vulneraria complex and many under-represented Mediterranean weeds. In this way we combined an expedition of scientific worth with an opportunity to study many 'pretties', a fusion which I think worked well. The serious and tiring business of collecting and pressing during the mid-day heatwave was offset by the exquisite, if somewhat limited, Italian cuisine, consumed slowly by night!

I should like to thank the BBS and BSBI for granting me the award and thus allowing me to see all these marvellous plants and places.

Fred Rumsey, Department of Botany, University of Reading

LETTER TO THE BULLETIN EDITOR

13 April 1984

In a letter to the Bulletin (B.B.S. Bulletin 40, p.32, 1982) I raised the question of the definition of cell width. A year later, a full and erudite article, 'Cell Measurement' appeared, by Dr M.E. Newton (B.B.S. Bulletin 42, p.59, 1983). Dr Newton underlined the chaos that exists and seems to have been quite overlooked, on this fundamental point and made a plea for consistency to be sought on this matter.

Numerous bryologists have written to me or discussed it with me since.

Could we request, through the pages of this Bulletin, that the B.B.S. Council should consider the matter and publish a consensus opinion? Yours etc.,

Dr P.E. Jackson, Griffons, North Street, Stamford, Lincs. PE9 1AA

THE C.P. CASTELL BRYOPHYTE HERBARIUM
or
WHERE HAVE ALL THE LOPHOCOLEAS GONE?

Early in 1974 Miss Christine Taylor, for the London Natural History Society, wrote to Mr S. G. Harrison who was then Curator of the BBS Herbarium (BBSUK) in Cardiff asking if the BBS would be interested in having the bryophyte collection of about 6,000 specimens that had been bequeathed to them by Cyril Philip Castell (1907-1972). Because the Castell herbarium was said to be both British and foreign, and the BBS herbarium had in recent years disposed of most of its holdings of foreign specimens, Mr Harrison sought the views of Council members. The majority of replies received were against accepting the Castell collection for BBSUK which, it was generally agreed, should be kept for its specific purpose of vice-county recording. Accordingly the LNHS was asked to consider donating the collection to the National Museum of Wales instead. This was agreed to and in May 1974 the National Museum of Wales took delivery of 9 egg-boxes and 2 tea chests containing the Castell bryophytes.

The collection was in two parts. The first part, a curator's nightmare, consists of perhaps 3,000 specimens collected by Castell, localized and dated, but mostly un-named or having only provisional names. Perhaps all never will be named, for the material does not have the appearance of being critically collected and is not likely to be of any great taxonomic importance. However, as a source of records of commoner species it may prove of historic value for there are large numbers of specimens from many of the well-known Surrey localities such as Box Hill, Kanmore, Norbury Park and Bookham, Chobham, Wimbledon and Ockham Commons. Already nearly 500 specimens from Bookham Common have been borrowed for the Bookham Common Survey by the British Museum (Nat. Hist.).

The second part consists of named packets of mosses and liverworts in systematic order in clearly labelled boxes. Of the 2750 mosses only about 3% were collected by Castell. The names of W.E. Nicholson, F.E. Milsom, A. Boros, C.H. Binstead, A.M. Irwin, F. Rilstone, A. Wilson, D. Lillie and A.B. Jackson figure prominently, with much of the material originating from the annual distribution of mosses 1945-1947 when Castell himself was Moss Distributor. The hepatics in Castell's named herbarium numbered 3,060 and again very few were his own gatherings. The majority, however, were in packets written by Castell and were obviously taken from packets made by someone else. Most are labelled "BBS" and these have been identified as being from hepatic vouchers sent to Castell as new county records (NCRs) when he was the BBS Hepatic Recorder from 1948 to 1960 or taken from specimens that were already present in BBSUK. These packets have now been stamped "Ex Herb. C.P. Castell" and have been placed within the original packets in BBSUK. The reason for keeping these Castell specimens distinct from the original ones is to prevent the introduction of any mistakes Castell may have made when he carried out the transfer, and borrowers of hepatic vouchers from BBSUK should observe this. In some cases Castell had removed - one presumes in error - more than one klepto-voucher for himself (the record was three!), thereby considerably depleting those BBS specimens. Several packets of hepatics that were written by the collector but on which Castell had commented "Not NCR" were also present. These had obviously been sent in as new county records, but for one reason or another were not, and should perhaps have been returned by Castell to the sender. They also have now been placed in BBSUK and make a total of 2430 specimens returned to that herbarium.

One cannot help wondering why Castell wanted the specimens, especially since it is not apparent from his own collections that he ever examined any bryophyte critically; if he had there might have been some justification in his wanting 24 BBS specimens of Marchantia polymorpha. Perhaps he intended getting down to

naming some of his collections after he retired (in 1967) and was building up a reference collection in order to do this. Certainly, just before his death he had started work on a list of bryophytes of Bookham Common. Or perhaps he was simply acquisitive, regarding the samples he removed from the BBS vouchers as just reward for the work he did for the Society; this might account for the 20 BBS specimens of Lepidozia reptans he had.

Whatever the explanation we must, oddly, be grateful Castell took the specimens: for with the passage of time some of the vouchers in BBSUK have disappeared without trace and many of his specimens have provided replacements for them. The most significant disappearance brought to light by the incorporation of Castell's specimens was in the species Lophocolea cuspidata and L. bidentata: all of the 27 packets of L. cuspidata and 15 of L. bidentata returned to BBSUK from Castell's herbarium were replacement specimens. Reference to a count of hepatic vouchers in BBSUK made by Mrs J.A. Paton in 1960 and recorded in a copy of the Annotated List reveals that there were at that time 26 packets of L. cuspidata and 17 of L. bidentata. From various evidence these all disappeared between 1960 and 1962/3 when the herbarium was housed in BM. They are still missing. Does anyone know where they are?

A.R. Perry, National Museum of Wales, Cardiff, CF1 3NP

BRYOHISTORICAL PROJECT : PROGRESS REPORT

The Bryohistorical Project, announced in Bulletin 43, 29-32 has been registered as a Society Project and a small financial grant approved for its use by Council. Steady progress is being made by several members of the Society who are actively involved in the collection of biographical data on British and Irish bryologists. Notable among these is Mrs Monica Milnes-Smith who is extracting information on collectors from the bryophyte herbarium in the British Museum (Natural History). Other collaborators are researching bryologists who collected in their local areas (e.g. Isle of Wight and Lincolnshire), or are compiling short biographical profiles of interesting bryologists of the past.

Information from journals and local floras, etc. continues to be extracted and forms a large part of the data so far accumulated. However, the bulk of the botanical literature remains to be searched. It is hoped that, shortly, data resulting from these efforts will be computerised to effect easy and efficient processing.

To advance the project as speedily as possible from this promising beginning, participation by more members (in however small a way) would be most welcome.

Registration forms and data sheets are available from either of the undersigned.

L.T. Ellis, Department of Botany, British Museum (Natural History), Cromwell Road, London, SW7 5BD.

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

BRYOLOGICAL JOURNALS IN PRINT

by B.J. O'Shea

This list is intended to be complete, but obviously will not be so. I would be grateful for any additions, corrections or comments (however slight) to any section. Amendments to the list will be published.

NB Journals are in English unless otherwise stated.

Section 1:

Journals devoted specifically to bryophytes (sometimes also including lichens).

Full title: Advances in Bryology

Abbr. title: Advances in Bryology

First year: 1981

Publisher: International Association of
Bryologists

Periodicity: 1-2 yrs

Contact: Dr W. Schultze-Motel, Botanisches Museum Berlin-Dahlem, Konigin-Luise-Strasse 6-8, Berlin 33, W. Germany.

Description: 'It has as its aim, the presentation of authoritative and up-to-date reviews, essays and surveys of the different fields of bryology, written by established authors, many of whom are leaders in their fields.'

Full title: Australasian Bryological Newsletter

Abbr. title: Australasian Bryol. Newsletter

First year: 1979

Publisher: ?

Periodicity: 2/yr

Contact: Dr H.P. Ramsay, Dept. of Botany, University of New South Wales, PO Box 1, Kensington, NSW, Australia.

Description: An informal newsletter.

Full title: Briolatina

Abbr. title: Briolatina

First year: 1983

Publisher: ?

Periodicity: 1/yr

Contact: ? (South America)

Description: ?

Full title: The Bryological Times

Abbr. title: Bryol. Times

First year: 1980

Publisher: International Association of
Bryologists

Periodicity: 6/yr

Contact: Dr S.W. Greene, Dept. of Botany, The University of Reading, London Road, Reading, RG1 5AQ, U.K.

Description: Newsletter of the IAB - intended to 'keep people up-to-date with bryological activities in all parts of the world, and to provide a means of seeking help with everyday bryological problems.'

Full title: Bryologische Beiträe

Abbr. title: Bryologische Beiträe

First year: 1982

Publisher: (Duisburg, West Germany)

Periodicity: 1/yr

Contact: I. Düll, Hochend 62a, D-4137 Rheurdt, W. Germany.

Description: Original papers in German or English, plus literature list. Beihefte also published.

- Full title: The Bryologist
 Abbr. title: Bryologist First year: 1898
 Publisher: American Bryological and Lichenological Society Periodicity: 4/yr
 Contact: The Bryologist, Department of Botany, Southern Illinois University, Carbondale, IL 62901, USA
 Description: Something up to a quarter of each issue devoted to lichens. Many local US bryophyte lists, but principal outlet for American bryologists.
- Full title: Bryomania
 Abbr. title: Bryomania First year: 1980
 Publisher: ? Periodicity: irreg.
 Contact: Guy Brassard/Rene Belland, Department of Biology, Memorial University, St Johns, Newfoundland, Canada.
 Description: 'An irregular journal of the irreverant.'
- Full title: Bulletin of the British Bryological Society
 Abbr. title: Bull. Br. bryol. Soc First year: 1963
 Publisher: British Bryological Society Periodicity: 2/yr
 Contact: A.R. Perry, Department of Botany, National Museum of Wales, Cardiff, CF1 3NP, UK.
 Description: Proceedings and newsletter of the BBS, also containing short articles of general interest and amendments to the bryophyte distribution census catalogue.
- Full title: Buxbaumiella
 Abbr. title: Buxbaumiella First year: 1972
 Publisher: Koninklijke Nederlandse Natuurhistorische Vereniging Periodicity: 1/yr
 Contact: Huub van Melick, Secretary, Bryological and Lichenological Study Group, v. Papenbroekstraat 9, Eindhoven, 5624 EJ, Netherlands.
 Description: Consists largely of reports of excursions in the Netherlands, giving phytosociological description and recent history of the areas visited, together with species lists and habitat details. Literature reviews and short items also included
- Full title: Cryptogamie, Bryologie-Lichénologie
 Abbr. title: Cryptogamie Bryol.Lichén. First year: 1980
 Publisher: Centre National de la Recherche Scientifique Periodicity: 4/yr
 Contact: Laboratoire de Cryptogamie, Museum National d'Histoire Naturelle, 12 Rue de Buffon, 75005 Paris, France.
 Description: Written mainly in French, with perhaps more than half the papers being on lichens. Wide spread of topics.
- Full title: Herzogia
 Abbr. title: Herzogia First year: 1968
 Publisher: Bryologische-Lichenologische Arbeitsgemeinschaft für Mitteleuropa Periodicity: 2/yr
 Contact: Dr G. Phillipi, Landessammlungen für Naturkunde, Erbprinzenstrasse 13, D-7500 Karlsruhe 1, W. Germany
 Description: In German, with English summaries. A general journal of bryology and lichenology, mainly ecology and distribution.

Full title: Journal of Bryology

Abbr. title: J. Bryol.

First year: 1972

Publisher: British Bryological Society

Periodicity: 2/yr

Contact: Dr A.J.E. Smith, School of Plant Biology, University College of North Wales, Bangor, Gwynedd, LL57 2UW, UK

Description: A general bryological journal, including book reviews and literature lists.

Full title: Journal of the Hattori Botanical Laboratory

Abbr. title: J. Hattori bot. Lab.

First year: 1947

Publisher: Hattori Botanical Laboratory

Periodicity: 2/yr

Contact: Dr S. Hattori, Hattori Botanical Laboratory, Nichinan, Miyazaki, Japan.

Description: A luxuriously produced hardback. Occasional papers on lichens, otherwise purely bryological. Specialises in longer papers of high standard. Asiatic and Pacific studies are well represented.

Full title: Lindbergia

Abbr. title: Lindbergia

First year: 1971

Publisher: Nordic & Dutch Bryological Soc's

Periodicity: 4/yr

Contact: H. During, Institute of Systematic Botany, Transitorium II, De Uithof, Utrecht, Netherlands.

Description: A general bryological journal of original research papers, written largely in English, but with some native language contributions. Particularly strong on taxonomy.

Full title: Muscillanea

Abbr. title: Muscillanea

First year: 1981

Publisher: Werkgroep Bryologie

Periodicity: irreg.

Contact: Willy van Kompu, Bostraat 86, B-9180 Belsele, Belgium.

Description: Floristics of Belgian bryophytes; excursion reports and short articles on general bryological topics. One issue only so far.

Full title: Proceedings of the Bryological Society of Japan

Abbr. title: Proc. bryol. Soc. Japan

First year: 1972

Publisher: Bryological Society of Japan

Periodicity: 3-4/yr

Contact: Dr H. Inoue, National Science Museum, Tokyo, Japan

Description: Papers are in Japanese, with an English title, and sometimes an English summary. Mostly original contributions, but not of nomenclatural significance.

Section 2:

Journals with a regular bryological content.

There is a very large number of journals publishing occasional bryological articles - probably approaching 200 in the World List of Scientific Periodicals - so this list includes only the most prominent that regularly include bryology. There is a strong European bias to the list, but some important journals (e.g. Willdenowia of the Berlin Botanic Garden) have still been excluded where the bryological content is not sufficiently high.

Full title: Annales Botanici Fennici

Abbr. title: Annls bot. fenn.

First year: 1964

Publisher: Finnish Botanical Publishing Board, for four societies

Periodicity: 4/yr

Contact: Pentti Sorsa, Department of Botany, University of Helsinki, Unioninkatu 44, SF-00170 Helsinki 17, Finland

Description: A general botanical journal, in English. Strong on ecology. Usually one or two bryological papers per issue, especially Koponen.

Full title: Dumortiera
 Abbr. title: Dumortiera First year: 1975
 Publisher: Jardin Botanique National de Belgique (Nationale Plantentuin van België) Periodicity: 3/yr
 Contact: R. Fabri, Jardin Botanique National de Belgique, Domaine de Bouchout, B-1860 Meise, Belgium.
 Description: In French and Flemish. A general botanical journal covering Belgium and Luxembourg. Most issues contain papers or notes on bryophytes, usually with an English summary.

Full title: Hikobia
 Abbr. title: Hikobia First year: 1950
 Publisher: Hiroshima Botanical Club Periodicity: 1/yr
 Contact: Botanical Institute, Hiroshima University, Higashisenda, Hiroshima 730, Japan.
 Description: Mainly concerned with lower plants, with a significant bryological content. Papers include nomenclatural works; they are in English or Japanese, with English title and summary.

Full title: Lejeunia
 Abbr. title: Lejeunia First year: 1938
 Publisher: Societe Botanique de Liège, et al. Periodicity: 2-4/yr
 Contact: Prof. J. Lambinon, Departement de Botanique, Sart Tilman, B-4000 Liège, Belgium.
 Description: In French. Journal of three Belgian/Luxembourgian natural history societies, each issue being one paper, with an English summary. Some are bryological.

Full title: Nova Hedwigia
 Abbr. title: Nova Hedwigia First year: 1959
 Publisher: J. Cramer Periodicity: 4/yr
 Contact: Verlag Von J. Cramer, Braunschweig, W. Germany.
 Description: Only occasional bryological articles now published. 'Beihefte' also produced, including recent bryological volume.

Full title: Novitates systematicae plantarum non vascularium (Novosti Sistematiki Nizshikh Rastemii)
 Abbr. title: Nov. Sist. Nizsh. Rast. First year: 1964
 Publisher: Academy of Sciences of the USSR Periodicity: 1/yr
 Contact: Drs A. Abramova and I. Abramov, Dept. of Cryptogams, Komarov Botanical Institute of the Academy of Sciences of the USSR, Prof. Popov St, 2, Leningrad P-22, USSR.
 Description: In Russian. Some bryological papers.

Full title: Rickia
 Abbr. title: Rickia First year: 1962
 Publisher: Coordenadoria da Pesquisa de Recursos Naturais Periodicity: 1-2 yrs
 Contact: M.C. Marino, Instituto de Botânica, Caixa Postal 4005, 01000 - São Paulo - SP - Brasil.
 Description: In Spanish. A general cryptogamic journal, usually with one or two bryological papers. Also publishes supplements.

Section 3:

Extinct bryological journals

Journal	Country	From	To
Annales Botanici Societatis Zoologicae-Botanicae Fennicae Vanamo (---> Annls bot. fenn.)	Finland	1931	1964
Annales Bryologici	Netherlands	1928	1939
Annales de Cryptogamie Exotique	France	1928	1936
Bryologische Zeitschrift	Germany	1916	-
Bulletin of Bryology (---> The Bryological Times)	Netherlands	1972	1981
Buxbaumia (---> Lindbergia)	Netherlands	1947	1969
Hedwigia (---> Nova Hedwigia)	Germany	1852	1944
Miscellanea Bryologica et Lichenologica	Japan	1955	1983
Moss Exchange Club Report	UK	1896	1910
Report of British Bryological Society (---> Trans. Br. bryol. Soc.)	UK	1923	1945
Revue Bryologique (---> Revue bryol. lichén.)	France	1874	1912
Revue Bryologique et Lichénologique (---> Cryptogamie)	France	1928	1979
Transactions of the British Bryological Society (---> J. Bryol.)	UK	1947	1971

Apparent Induction of the Male Inflorescences of *Philonotis fontana* by Greenhouse Culture.

After 25 years of observations on the four *Philonotis* mosses in Sutton Park, Warwickshire, I do not recall seeing male inflorescences on any of them.

Twelve months ago, as part of a continuing research programme, I placed small samples of *Philonotis fontana* from the Park in an open plastic trough containing soaked garden soil to imitate bog conditions. The trough was left and kept watered in an unheated greenhouse.

The material has grown well and I have recently been very interested to see that a number of the shoots have developed normal sized male inflorescences. Since the latter have not been found in Sutton Park it is likely that the congenial conditions of the greenhouse and garden soil have stimulated their initiation.

J.H. Field

AMERICAN BRYOLOGICAL & LICHENOLOGICAL SOCIETY

Members of the ABLs resident in Great Britain and Northern Ireland may now pay their annual subscriptions as well as purchase back numbers of The Bryologist and Society reprints in sterling, if they wish to, through the undersigned.

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

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 a 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.)

Pellia endiviifolia
P. epiphylla
P. neesiana
Plagiochila asplenioides
(P. asplenioides var. major)
P. porelloides
(P. asplenioides)
Chiloscyphus pallescens
C. polyanthos
Frullania dilatata

Frullania tamarisci
Barbilophozia floerkei
Gymnocolea inflata
Ptilidium ciliare
Pleurozia purpurea
Odontoschisma denudatum
O. sphagni
Mylia anomala
M. taylorii

EDITED BY

A. R. Perry, National Museum of Wales, Cardiff, CF1 3NP, United Kingdom.
