

BRITISH LICHEN SOCIETY

BULLETIN

25 p

April 1973

No. 32

President: D. C. Smith, M.A., D.Phil.

Book on "Air Pollution and Lichens" out soon

The Athlone Press of the University of London is publishing a book of nearly 400 pages entitled Air Pollution and Lichens. The book is to be issued in late April and costs £6.25. It is edited by B.W. Ferry, M.S. Baddeley and D.L. Hawksworth, and is the first occasion on which a whole book has dealt exclusively with this important topic. The aims of the text are "to provide a reference volume covering all aspects of the subject of air pollution and lichens, and secondly, to encourage current and prospective investigators to relate their work to a broad basis of knowledge." The contributors to the 17 chapters are B. J. Coppins, J. F. Farrar, E. J. Finegan, O. L. Gilbert, F. N. Haynes, P. W. James, J. R. Laundon, J. Margot, D. I. Morgan-Huws, T. H. Nash, L. C. Pearson, K. J. Puckett, D. H. S. Richardson, F. Rose, P. J. W. Saunders, and C. M. Wood, in addition to the three editors. The book will prove most valuable to all persons interested in both lichens and their uses as indicators of environmental conditions.

A recent publication of importance for the identification of species is Macrolichens of Denmark, Finland, Norway and Sweden by E. Dahl and H. Krog. It is published by Universitetsforlaget, Oslo, price N.kr. 46 (about £3) and consists mainly of keys to the foliose and fruticose lichens of Scandinavia. As the Scandinavian lichen flora has much in common with that in Britain, the book should prove very useful to workers within the United Kingdom.

Annual subscriptions

Members are reminded that the following new subscription rates were effective from 1 January 1973:

Ordinary member £3.00.

Junior member (aged under 21, or under 25 if receiving full-time education) £2.00.

The subscription for family members remains at 25 p per annum, as does that for membership of the Reading Circle.

1973 subscriptions

Members who have not paid their subscription for the current year should send it immediately to the Treasurer, Mr S. A. Manning, 10 Alliance Court, Hills Road, Cambridge, CB1 4XE. Cheques and postal orders should be made payable to the British Lichen Society and crossed. Please do not send bank notes, coins or stamps. No covering letter is necessary where a member's name is printed on the front of a cheque, or written in capitals on the back of the cheque or postal order.

Resignations

Any member who wishes his name to be deleted from the membership list should please inform the Treasurer, address above, now.

Members joining late in the year

Members are reminded that subscription renewals are due on 1 January each year, regardless of the month in which a member joined the Society. This is stated on the form of application for membership. Those who joined late last year should have received the 1972 issue of The Lichenologist. Each copy of this double number cost the Society more than the ordinary membership subscription. Junior members therefore received the journal at only a fraction of its cost.

Day excursion to Kent, 1973

The tenth annual day excursion with the Kent Field Club led by Mr F.H. Brightman and Mr J.R. Laundon will be held on Sunday 29 April 1973. The object of the field meeting will be to study all groups of plants growing on rock outcrops and walls around Royal Tunbridge Wells, Kent. Meet at the car park of Tunbridge Wells Station at 10.35. Bring packed lunch. Train leaves Charing Cross, London, at 9.40, arriving Tunbridge Wells at 10.33.

Summer field meeting in Kintyre, 1973

See Bulletin 31 (1972) for details.

Autumn meeting at Chester, 1973

The autumn weekend meeting will be held at Chester from Friday evening 26 October until Sunday afternoon 28 October 1973. The programme will be as follows:

Friday 26 October 1973. An introduction to the area will be given by Mr Bruce Ing at the headquarters hotel.

Saturday 27 October 1973. Field excursion to the Loggerheads area (Flintshire-Denbighshire border). Meet at 9.30 at the headquarters hotel or at 10.30 at the Loggerheads Inn (map reference SJ 197625).

Sunday 28 October 1973. Lectures at Riverside Hotel (or Chester College if attendance is large) commencing at 10.00.

Lecturers are required and prospective speakers are invited to complete the form at the end of this Bulletin. Mr Ing is leader. Ordnance Survey maps 108 and 109 will be useful. Members interested in attending should complete the form at the end of this Bulletin so that full details can be sent to them at a later date. The headquarters hotel overlooks the River Dee in Chester. Members must book their own accommodation, stating that they are members of the Society. Headquarters:

Riverside Hotel, 22 City Walls, Chester (off Lower Bridge Street; car park off Duke Street) (telephone: Chester 26580). Bed & breakfast £2.00 per person for - double room; £2.75 for single room. Evening meal £1. Service 5%. Prices include V.A.T.

Other accommodation:

The Grotto Hotel, Bridge Street (telephone: 24921). Bed & breakfast £2.00.

Ye Old King's Head Hotel, Lower Bridge Street (telephone: 24855). Bed & breakfast £2.75.

Mrs H. Croston, Bridgegate, 79 Bridge Place, Lower Bridge Street (telephone: 22576). Bed & breakfast £1.50.

Mrs S. J. Thompson, Lime Tree Guest House, 1 Bridge Place, Lower Bridge Street (telephone 25892). Bed & breakfast £1.50.

Meetings 1974

Provisional arrangements for the Society's meetings in 1974 include the annual general, lecture and exhibition meeting at Imperial College, London, on 5 January, the spring meeting in conjunction with the Systematics Association, and the summer meeting in Banff and Elgin in August. Full details will appear later.

Death of Mr F. A. Sowter

Mr Frederick Archibald Sowter died suddenly on 16 November 1972 at his home in Leicester after being ill for many years with emphysema. Mr Sowter joined the Society at its formation in February 1958. In 1971 he was elected an honorary member in recognition of his services to British lichenology in keeping it alive in the years prior to the formation of the British Lichen Society, when lichenology was in the doldrums.

Fred Sowter was born on 30 August 1899 at Leicester. He spent most of his life working for Courtaulds Ltd., the giant rayon and textile manufacturers, in which he reached the position of Assistant Sales Manager at the Leicester Office. Unfortunately this career was not entirely of his own choosing, and he always regretted that he had not been able to follow his own choice and work in a museum. His early interest in botany was greatly stimulated by the late A.R. Horwood of Leicester Museums, who he greatly assisted in the preparation of The Flora of Leicestershire and Rutland (1933). It was of some compensation to him that he was appointed to the Museums and Libraries Committee for Leicester, and was frequently consulted by the former director, Mr T. A. Walden, as well as other members of the staff, on a wide variety of both scientific and managerial matters.

Mr Sowter's primary interest was in bryophytes, but his deep interest in lichens came a close second. On both subjects he amassed an extensive library, one of the most valuable in private hands. The lichen works in this library have been left to the British Lichen Society. His herbarium has been bequeathed to Leicester Museums. His own most important botanical publications were two volumes on The Cryptogamic Flora of Leicestershire and Rutland, the first (1941) on Bryophytes and the second (1950) on Lichenes. His other papers dealt chiefly with collections he had been sent for naming, and changes and additions to the Leicestershire flora.

Mr Sowter's disposition to emphysema prevented him playing an active role in the affairs of the British Lichen Society, because his illness was so severe that for some fifteen years it prevented him walking more than a few yards without resting. Fortunately he was well enough to found the Lichen Study Group in 1953, which circulated parcels of named lichens to some fifteen members over several years. As Mr G. Salisbury replied to Mr Sowter regarding the formation of the Group on 24 February 1953: "Before I received your letter it seemed to me that the study of the lichens in Britain was almost dead." Were it not for the activities of this group in maintaining an interest in lichenology, it is doubtful if Dr Swinscow's efforts to start the present Society would have met with any success.

Mr Sowter was most kind, gentle, modest and helpful in every way. Callers were made to feel very much at home when they visited his house. He will be most missed for his unsurpassed knowledge of the flora of Leicestershire and Rutland. He is survived by his second wife, Marion, who gave him every support and encouragement.

Lichenologist published

Parts 3 and 4 of volume 5 of The Lichenologist was published as a single issue on 8 December 1972. Any member who paid a subscription for 1972 and who did not receive a copy should inform the Treasurer, Mr S. A. Manning, 10 Alliance Court, Hills Road, Cambridge, CB2 4XE.

First International Congress of Ecology

The First International Congress of Ecology will be held in Den Haag, Netherlands, from 8 - 14 September 1974 under the title "structure, function and management of ecosystems." The ecology of man is to be emphasised in the themes of the Congress.

Mycological nomenclature

Mycologists and lichenologists should note that a standing Nomenclature Committee has been established by the International Mycological Association to study specific problems in the application of the Code of Nomenclature to fungi (including lichen-forming species), and to propose changes in the Code at the 1975 Botanical Congress. Actively interested persons are encouraged to serve on one or more Special Committees, each devoted to the study of a specific problem. Five areas of concern have already been identified at the First International Mycological Congress in Exeter in 1971; these Special Committees are being organised now, and mycologists willing to serve on these Committees should notify the Nomenclature Secretariat as soon as possible so that they may be appointed as members: (1) Revision of Art. 59 on pleomorphic fungi; (2) Designation of living materials as types in fungi; (3) Registry of new names and of proposals for conservation; (4) Unification of starting-point dates and problems of overlap of groups with different starting dates; (5) Provision for handling infraspecific taxa not now covered by the Code. Other problems that deserve study should be brought to the attention of the Secretariat, which may then establish additional Committees to study such problems.

Mycologists may correspond with any member of the Secretariat for further information, or to contribute opinions on any problems of nomenclature. Those desiring to propose their names for membership on Special Committees should notify the Chairman of the Secretariat, R. P. Korf, Plant Pathology Herbarium, Cornell University, Ithaca, N.Y. 14850, U.S.A. Other members of the International Mycological Association Nomenclature Committee Secretariat are D. L. Hawksworth (United Kingdom), G. L. Hennebert (Belgium), Z. Pouzar (Czechoslovakia), D. P. Rogers (U.S.A.) and L.K. Weresub (Canada).

Maps Scheme: areas requiring attention

Lichen records from the following major areas (counties and islands) are required for the Society's distribution maps scheme so that a complete coverage of the distribution of species is obtained:

Aberdeenshire, Ayrshire, Banffshire, Bedfordshire, Caithness, Cambridgeshire, Cheshire, Clyde Isles, Cumberland, Denbighshire, Dunfriesshire, Dunbartonshire, Durham, Essex, Flintshire, Glamorgan, Gloucestershire, Herefordshire, Huntingdonshire, Inverness-shire, Ireland (mainly north-west, central, east, south-east and south), Kirkcudbrightshire, Lancashire, Lothians, Montgomeryshire, Morayshire, Northamptonshire, Nottinghamshire, Outer Hebrides (mainly Lewis), Peebleshire, Renfrewshire, Roxburghshire, Selkirkshire, Shropshire, Somerset, Staffordshire, Sutherland, Warwickshire, Wigtownshire, Worcestershire and Yorkshire (mainly north-east).

M. R. D. SEAWARD

Individual maps scheme

The following additions to the list of individual mappers should be noted:

Ochrolechia tartarea

M.R.D. Seaward, Department of Biology,
Trinity & All Saints' Colleges,
Brownberrie Lane, Horsforth, Leeds,
LS18 5HD.

Toninia coeruleonigricans

P. Lambley, Castle Museum, Norwich,
NOR 65B.

T. lobulata

P. Lambley

Xanthoria spp.

P. D. Crittenden, Department of Botany, The
University, Sheffield S10 2TN.

Report on lecture and exhibition meeting, 1973

Forty-nine persons attended the lecture and exhibition meeting, held in conjunction with the Annual General Meeting, on 6 January 1973 at the Department of Botany, Imperial College, London SW7. The following exhibits were displayed:

COPPINS, B. J. The genus Gyalideopsis in Britain.
EARLAND-BENNETT, P. M. Observations on Lecidella scabra (T. Tayl.) Hert. & Leuck. in the Halifax area.
FLETCHER, M. V. Lichens for the amateur gardener.
HAWKSWORTH, D. L. Index of Fungi Supplement: Lichens 1961-1969.
HITCH, C. J. B. Some lichens of Canada.
LAUNDON, J. R. Two lichens new to Britain.
LLOYD, A. O. Roccella phycopsis (Ach.) Ach.
PENTECOST, A. Ruwenzori: the approximate zones of some lichens.
SEAWARD, M. R. D. The British Lichen Society Mapping Scheme.
TOPHAM, P. B. Some books on Knapdale and Kintyre.

In the afternoon, Dr T. D. V. Swinscow spoke on "lichens in tropical Africa - systematics and ethics", in which he compared the lichen flora of Uganda with that in the British Isles, before going into details regarding the different habitats in Uganda. The Ericaceae zone was found to contain the most species. Dr Swinscow said that the ethics of collecting in the developing countries was of the utmost importance; he mentioned that one should respect the inhabitants of the country, engage them in what one is doing, deposit duplicate material in their herbaria, deposit literature in their libraries and publish one's results in their journals. All too often collectors ignored these moral obligations.

The second lecture was by Dr D. Jackson-Hill on "the biology of tropical Basidiolichens" in which he dealt chiefly with Cora and Dictyonema. Following the tea interval Dr Pauline B. Topham discussed and illustrated the lichen habitats near Mestersvig, north-east Greenland, and Mr A. Pentecost discussed the altitudinal zonation of the vegetation and lichen flora on Ruwenzori. At the close the President, Dr D. C. Smith, thanked the speakers for providing a very enjoyable and interesting afternoon.

Recording in Wales

The Working Group for Biological Recording in Wales, formed following a Biological Recording Conference held in the National Museum of Wales in May 1971, is sponsoring field meetings to encourage more vigorous efforts in recording the flora and fauna of the less well-covered areas of Wales. So far two weekend meetings have been held, in Radnorshire and Denbighshire, in which were recorded vascular plants, fungi, lichens and bryophytes, as well as vertebrates and invertebrates. A future meeting in June 1973 is planned for Montgomeryshire. It is hoped that these meetings will be supported by natural history societies, naturalists' trusts, and national societies. Members of the British Lichen Society are invited to attend these meetings, and it is emphasised that enthusiastic amateurs are welcome.

The Departments of Botany and Zoology at the National Museum of Wales are compiling an index of biological recorders in Wales. It is hoped to include not only the official recorders of the various specialist societies but also anyone actively engaged or interested in recording who would be willing to help the recorders, assist visiting botanists, suggest localities for field meetings, etc. Anyone able and willing to have their names included in this index, or who requires further information about the field meetings, is requested to contact the Keeper of Botany, National Museum of Wales, Cardiff, CF1 3NP.

New members

The following new members joined the Society between October 1972 and March 1973.
F.M. = family member.

- Blakley, Miss B. B., Box 190, RADIUM HOT SPRINGS, British Columbia, Canada.
Broad, K., 3 Forest Houses, Prosper Lane, Coalway, COLEFORD, Gloucestershire.
Da Silva Martins, J. M., R. de Dona Estefania, 121-40 Dtº, LISBOA-1, PORTUGAL.
Galloway, Dr D. J., Department of Botany, British Museum (Natural History),
Cromwell Road, LONDON SW7 5BD.
Iles, I. S., 5 Lapwing Close, HORSHAM, Sussex.
Loader, R. J., 31 Knowle Road, Knowle, BRISTOL 4.
Maggs, G. H., 54 Sunbury Avenue, NEWCASTLE-UPON-TYNE NE2 3HE.
Mangan, Miss A., 4 Waltham Terrace, BLACKROCK, Co. Dublin, Irish Republic.
Meltzer, J.A., Rode Kruislaan 909, DIEMEN, Netherlands.
Menlove, Miss J. E., Department of Botany, British Museum (Natural History),
Cromwell Road, LONDON SW7 5BD.
Myall, J., Rogerscale, The Hill, MILLOM, Cumberland.
Myall, Mrs. J., Rogerscale, The Hill, MILLOM, Cumberland. (F.M.)
O'Hare, G. P., Biological Sciences Department, Derby College of Technology, DERBY.
Ponting, G. H., 19 Falmouth Close, Kesgrave, IPSWICH, Suffolk, IP5 7LX.
Ponting, Mrs. M.R., 19 Falmouth Close, Kesgrave, IPSWICH, Suffolk, IP5 7LX. (F.M.)
Richards, G. N., B.Sc. Agr., 30 Railway Parade, ANNANDALE, N.S.W. 2038, Australia.
Skorepa, A. C., Department of Botany, University of Tennessee, KNOXVILLE,
Tennessee 37916, U.S.A.
Stanton, C. M. K., Bryn Awel, Llangaffo, GAERWEN, Anglesey.
Starkey, B. J., 3A Loxton Road, Forest Hill, LONDON SE23 2ET.
Takala, K., Sammakolammentie 3A13, 70200 KUOPIO 20, Finland.
Vitikainen, O., Botanical Museum, University of Helsinki, Unionink.44, SF-00170
HELSINKI, Finland.
Walker, Miss B., 65 Heathfield Road, Wavertree, LIVERPOOL L15 9EY.
Warren, W. E., B.Sc., C.Eng., M.I.E.E., Selborne, Horsell Rise, WOKING, Surrey.
Webb, Miss J. B., 12 Woodcliff Road, WESTON-SUPER-MARE, Somerset.
Widgery, J. P., 21 Field View Road, POTTERS BAR, Hertfordshire, EN6 2NA.
Williams, M. L., 4 Deane Road, Kensington, LIVERPOOL 7.
Wills, Mrs. A., 21 Heathpark Drive, WINDLESHAM, Surrey.
Wills, Miss E. A., 21 Heathpark Drive, WINDLESHAM, Surrey. (F.M.)

Lichen flora of the Halifax area

Mr. P. M. Earland-Bennett, Bankfield Museum, Halifax HX3 6HG, is preparing a booklet on the lichen flora of the Halifax area and would appreciate receiving records from 10 km grid squares 34/10, 34/20, 34/30, 44/01, 44/02, 44/03, 44/11, 44/12 and 44/13 which have not already been put on to cards and sent to Dr Seaward. The whereabouts of specimens collected by W. E. L. Wattam is also requested: a loan to any Wattam material would be appreciated.

Translations of papers

The library of the British Lichen Society now has English translations of several papers, and the Librarian, Dr D. H. Brown, Department of Botany, The University, Woodland Road, Bristol BS8 1UG, would be grateful if members could contribute copies of translated foreign papers so that a reference collection can be built up. In this way it is hoped to make the library invaluable to members not versed in foreign languages.

Uses of lichens

"As to the lichens or liverworts, they are not of less use; for many of them afford a beautiful dye. e.g. the roccella yield a most valuable red color, Act. Soc. reg. Scien. 1742. p. 21. to which purpose the lichen tartareus serves as a succedaneum. The lichenes stygius, onuphalodes, &c. afford also a red dye, and the lichenes croceus, vulpinus a good yellow. There is no doubt, but that many colors in process of time may be obtained from this kind of plants.

"If we consider the virtues of the lichenes or liverworts upon animate bodies taken internally, they are not inconsiderable. The lichen vulpinus is a deadly poison to wolves. It. Scan. p.40. The lichen pyxidatus, or cup-moss, is efficacious in the whooping cough. The lichen jubatus, or rock-hair in exulcerations of the skin. The lichen omphalodes in stopping haemorrhages. The lichen apthosus in thrushes, and against worms. The lichen caninus or ash colored ground liverwort, in the hydrophia and madness. The lichen pulmonarius, or lungwort, is found to be good in consumptions. The oeconomic use of the lichens is of no small consequence. e.g. the lichen rangiferinus affords the most delicious pasture to the rein-deer. Upon this the whole oeconomy of the Laplander turns, and by the help of this, many millions of men are supported. This lichen is also given to other cattle by the people of Norland. Act. Soc. reg. 1742 p.153. Some of the kinds of lichens are the delight of goats. The most barren woods, where no other plants grow, afford us the lichen islandicus, which in times of scarcity serves instead of bread. Act. Soc. reg. Sc. 1742: p. 154.

"The lichen prunastri, or plumb-liverwort, is ground to powder for the hair.

"The lichen pustulatus may be converted into a very black pigment. The very small lichens, called leprosus, cover barren rocks, and makes them look pleasant; it gives birth to black mould, and consequently affords the first degree of vegetative power. After all this can any one justly say that the knowledge of these plants is useless?"

(Gedner, C. in STILLINGFLEET, B. 1759. Miscellaneous Tracts relating to Natural History, Husbandry, and Physick: 144 - 146. London. (From D. J. HILL))

Literature on lichens - 20

An asterisk (*) denotes that a reprint is available in the Society's library.

ANON. 1972. Control of lichens, moulds, and similar growths. Masperpainter and Decorator 43 (6): 9 - 12, 17. (Means of encouraging and destroying lichens on the external surfaces of buildings.)

BOWLER, P. A. 1972. The distribution of four chemical races of *Cladonia chlorophaea* in North America. Bryologist 75: 350 - 354.

DAHL, E. & KROG, H. 1973. Macrolichens of Denmark, Finland, Norway and Sweden. Universitetsforlaget, Oslo. (N. kr. 46 (about £3). Book of keys, together with introductory chapters.)

FISCUS, S. A. 1972. A survey of the chemistry of the *Usnea florida* group in North America. Bryologist 75: 299 - 304. (Sixteen chemical constituents in 43 different combinations.)

FOLLMANN, G. & HUNECK, S. 1972. Mitteilungen über Flechteninhaltsstoffe LXXXVI. Zur Phytochemie und Chemotaxonomie der Krustenflechten-Gattung *Rhizocarpon*. Nova Hedwigia 22: 621 - 639.

GIMMINGHAM, C. H. 1972. Ecology of Heathlands. Chapman & Hall, London. (£4.75. Many references to lichens.)

- HARRIS, R. C. 1973. The corticolous pyrenolichens of the Great Lakes Region. Mich. Bot. 12 (1). (Detailed taxonomic study.)
- KALLIO, P., SUHONEN, S. & KALLIO, H. 1972. The ecology of nitrogen fixation in *Nephroma arcticum* and *Solorina crocea*. Report Kevo Subarctic Research Station 9: 7 - 14.
- LEUCKERT, C., ZIEGLER, H.G. & POELT, J. 1972. Zur Kenntnis der *Cladonia chlorophaea*-Gruppe und ihrer Problematik in Mitteleuropa. Nova Hedwigia 22: 503 - 534.
- NASH, T. H. 1972. Simplification of the Blue Mountain lichen communities near a zinc factory. Bryologist 75: 315 - 324.
- PALENI, A. & CURRI, S. (Undated) L'ambiente ecologico e le opere d'arte. Milano. (Lichens etc. on works of art.)
- PUCKETT, K. J., NIEBOER, E. FLORA, W. P. & RICHARDSON, D.H.S. 1973. Sulphur dioxide: its effect on photosynthetic ¹⁴C fixation in lichens and suggested mechanisms of phytotoxicity. New Phytol. 72: 141-154. (Rapid accumulation of sulphur dioxide by lichens, and the breaking down of the pigments of *Trebouxia*, may explain their sensitivity to air pollution.)
- PULLUM, P. A. & ERBISCH, F. H. 1972. Effects of gamma radiation on the lichen *Cladonia verticillata* (Hoffm.) Schaer. Bryologist 75: 48 - 53.
- RITCHIE, C. A., RITCHIE, J. C. & PLUMMER, G. L. 1971. Distribution of fallout cesium - 137 in *Cladonia* mounds in Georgia. Bryologist 74: 359 - 362.
- SALISBURY, G. 1971. The Thelotre mata of Angola and Mocambique. Revta Biol., Lisb. 7: 271 - 280. (Eight species.)
- SALISBURY, G. 1972. Thelotrema sect. Thelotrema. 2. The T. playrcarpum group. Revue bryol. lichen. II, 38: 281 - 290. (Taxonomic account of 10 species.)
- SEAWARD, M. R. D. 1972. William Johnson's lichen collection. Naturalist, Hull 920: 13 - 14. (1,614 gatherings at Leeds; genera and county coverage.)
- * SEAWARD, M. R. D. 1972. A Lichen Check-list of the West Riding Conurbation. Trinity & All Saints' Colleges, Horsforth, Leeds. (Historical introduction followed by list with localities.)
- SEAWARD, M. R. D. 1973. F.A. Lees' botanical collections: part 4. Naturalist, Hull 924: 35 - 36. (Lichens.)
- SHIMWELL, D. W. 1971. The Description and Classification of Vegetation. Sidgwick & Jackson, London. (Review of methods; some references to lichens.)

Secretary's report for 1972

The membership of the Society on 31 December 1972 was 480, an increase of 13 over the total for 1971. The number of new members joining the Society during 1972 was 48, a decrease of eight on the new members for 1971. It is with very great regret that I have to report the death of two of our most prominent members: Mr Fred A. Sowter and Miss Nancy Wallace; both will be greatly missed. Mr Sowter has kindly bequeathed part of his valuable library to the Society and Miss Wallace has kindly left us her herbarium and a sum of money. The death of Professor Tavares, a distinguished foreign member, is also reported.

The Society's meetings were well attended. A maps meeting was held on 7 January, the annual general, lecture and exhibition meeting on 8 January, the spring field meeting in Cornwall from 29 March - 5 April, the day walk tour with the Kent Field Club to Sevenoaks on 7 May and the autumn meeting at Halifax on 27 - 29 October.

The summer meeting in Ireland was cancelled because of the hostilities, and the replacement meeting in Hereford was cancelled for a second time because of insufficient support. The Society is grateful to Mr. F. H. Brightman, Mr. P. M. Earland-Bennett, Mr J. D. Guiterman and Dr M. R. D. Seaward for arranging and leading these meetings.

The Society held meetings with both the Central Unit on Environmental Pollution and the Nature Conservancy, and already these encounters have yielded some important results.

A combined number of parts 3 & 4 of volume 5 of The Lichenologist was published on 8 December 1972 and was of the usual high standard; we thank the Editor Mr James and the Assistant Editor Dr Hawksworth for maintaining this standard. Two numbers of the Bulletin were issued, and some changes, including the sale of copies, printed headings, inclusion of photographs and library additions, were carried out in order to make the publication more interesting and attractive.

I would like to thank the officers, council members, referees and members for their great help in the smooth running of the affairs of the Society.

J. R. LAUNDON
Honorary Secretary

(This report was presented at the Annual General Meeting on 6 January 1973.)

Treasurer's report for 1972

The final accounts for the year ended 31 December 1972 show an excess of expenditure over income of £495.11. Clearly this is an unsatisfactory state of affairs and one that must not be allowed to continue.

The main item of expenditure concerned the publication of The Lichenologist, and Council will obviously have to examine the whole question of the costing of the journal at an early date.

At the time of writing (7 March 1973) I cannot say whether the increase in annual subscription rates, which took effect from 1 January 1973, will help to strengthen the Society's financial position in any really effective way, as so many members have yet to meet their dues. Less than fifty per cent. of junior members have responded to reminders and we still have members whose out-of-date banker's orders have resulted in the Society receiving £1.50 or £2.00 instead of the full amount of £3.00.

Finally, may I thank those members who do co-operate with us, and appeal to the others to help the Society by paying subscriptions promptly and thus saving the cost of repeated reminders.

S. A. MANNING
Honorary Treasurer

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BRITISH LICHEN SOCIETY

YEAR ENDED 31 DECEMBER 1972

THE LICHENOLOGIST: PUBLICATION ACCOUNT (PER BLACKWELL SCIENTIFIC PUBLICATIONS LTD.)

<u>REVENUE</u>	£	<u>COSTS</u>	£
1972 non-member subscriptions	556.52	Cost of producing Vol.5 No.3/4 incl. offprints	1848.58
Sales of back issues	191.66	Despatch	73.28
Sales of offprints	90.00	General costs	97.88
		Blackwell's charge @ 7½p per member	33.75
Owing to Blackwells (Trans. to Income and Expenditure account)	1410.53	Commissions to Blackwells:	
		20% of non-member subscriptions	111.30
		25% of sales of back issues	47.92
		40% of sales of offprints	36.00
	<u>£2248.71</u>		<u>£2248.71</u>

INCOME AND EXPENDITURE ACCOUNT

<u>INCOME</u>		<u>EXPENDITURE</u>	
Canadian subscription account	74.88	Bal. of Publication A/c. above	1410.53
Subscriptions (Main account)	762.69	Stationery	16.67
Reading Circle subscriptions	5.60	Circulars and duplicating	7.37
<u>The Lichenologist</u> sales	120.69	Carriage	2.20
Dahl's Keys	21.81	Postages	68.88
Duplicated Keys	15.11	Subscription to Council for Nature	5.00
Check List	14.15	Subscription to Biological Council	2.00
B.M.S. Publication	0.39	Subscription to <u>The Bryologist</u>	11.34
Sale of Pd	6.50	Subscription to Revue Bry. et Lich.	62.52
Bulletin	3.50	T.35/38	100.93
Interest on Deposit Account	45.50	Production of the Bulletin	7.76
Bequest, sundry sales, etc.	154.05	Addressograph plates	5.74
		Pd for re-sale	0.15
<u>Excess of Expenditure over Income</u>	495.11	Telephone calls	1.80
		Loss on A.G.M. tea	17.09
		Adjustment on currency conversion	17.09
	<u>£1719.98</u>		<u>£1719.98</u>

BALANCE SHEET 31 DECEMBER 1972

Subscriptions received in advance	37.83	Cash at Bank	927.78
Sundry creditors		Cash in National Giro account	17.35
Blackwells	1410.53	Cash in Canadian account	97.40
Brit. Myc. Soc.	1.76	Cash on deposit with Central Investment Co. Ltd.	700.00
Brown's Typewr. Serv.	65.36	Loan to M. Seaward	60.00
Treasurer (P. cash)	0.64		
O.L. Gilbert	2.00		
J.R. Laundon	1.51		
General Fund			
Balance 1.1.72	778.01		
LESS excess of expenditure over income	495.11		
	<u>282.90</u>		
	<u>£1802.53</u>		<u>£1802.53</u>

S. A. MANNING, Hon. Treasurer.
16 February 1973

Audited and passed
J. H. G. PETERKEN
Chartered Accountant
Hon. Auditor

22 February 1973