

BRITISH LICHEN SOCIETY

BULLETIN

25p

April, 1972

No. 30

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

Subscriptions raised from 1973

The Annual General Meeting on 8 January 1972 decided that the ordinary subscription should be increased to £3, and the junior subscription to £2 from 1 January 1973. This represents a rise of £1 for each category of membership. The subscription for family members remains at £0.25 per year, being unchanged since the formation of the Society in 1958. Banker's order forms will be sent to British members at a later date.

Subscriptions were last raised in 1968 and rising costs, especially of printing, is the reason for the present increase. In 1969 the Society had £712 excess income over expenditure, but this fell to £33 during 1970. Last year the Society had £204 excess expenditure over income and, with inflation running at nearly ten per cent, there is unlikely to be any improvement in the Society's financial position this year. Even with next year's rise the subscription will still be below that of some comparable Societies (e.g. the subscription to the British Bryological Society was already £3.50 during 1971).

Contributions to Bulletin required

The editor of the Bulletin, Mr. J.R. Laundon, Department of Botany, British Museum (Natural History), Cromwell Road, London SW7 5BD, will be pleased to receive contributions of a general nature relating to any aspect of lichenology for inclusion in later numbers. In this way it is hoped to render the Bulletin more useful and interesting to the readership. Suggestions of items members would like to see included should also be sent to the editor.

Bulletin for sale

The Council has decided that in future the Bulletin may be sold to non-members, such as institutions, for 25p per copy post free. Previously non-members have been sent the Bulletin on request free of charge. From today back numbers to members from No. 26 onwards are also 25p each post free. Members will continue to receive the current Bulletin free of charge and the previous two issues on joining the Society.

Day excursion to Kent

The annual excursion with the Kent Field Club led by Mr. F.H. Brightman and Mr. J.R. Laundon will be held on Sunday 7 May 1972 with the object of examining and listing all groups of plants to be found growing on walls around Sevenoaks. Persons interested in invertebrate animals will also be welcome. This year the tour will be taken on foot examining walls in the town in the morning and those in Knole Park in the afternoon. Meet at Odeon,

Sevenoaks High Street at grid ref. TQ 531546 at 11.00. Cars should be left in the nearby Odeon car park. Bring packed lunch. The 10.10 train from Charing Cross, London, arrives Sevenoaks at 10.41. As the station is some distance from the meeting place members coming by train should inform Mr Brightman, 2 Red Oak Close, Orpington, Kent, who will arrange for them to be met.

Summer field meeting at Wexford postponed

The proposed summer field meeting to be held at Wexford in the Irish Republic in August 1972 has been postponed because of the instability of the situation in Ireland at the present time. See Stop-Press.

Autumn meeting at Halifax, 1972

The autumn weekend meeting will be held at Halifax, Yorkshire, from Friday evening 27 October until Sunday afternoon 29 October 1972. The programme will be as follows:

Friday 27 October 1972. Lectures on the area will be given by Mr P.M. Earland-Bennett and Mr M.R.D. Seaward. Venue to be arranged.

Saturday 28 October 1972. Field excursion in the Hebden Valley area. Meet 10.00 at the White Lion Hotel, Hebden Bridge (headquarters).

Sunday 29 October 1972. Lectures at Bankfield Museum, Halifax, commencing at 10.00. Lecturers are required and prospective speakers are invited to complete the form at the end of this Bulletin.

Mr Seaward is local secretary and Mr Earland-Bennett and Mr Seaward are leaders. Ordnance Survey maps 95 and 102 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 accommodation is 13 km (8 miles) from Halifax, and members must book their own accommodation. Other accommodation can be arranged by Mr Seaward on request. Headquarters:

White Lion Hotel, Hebden Bridge, Yorkshire. (Telephone: Hebden Bridge 2197).
Bed and breakfast £1.70. Lunch and dinner available.

Meetings 1973

Provisional arrangements for the Society's meetings in 1973 include the annual general, lecture and exhibition meeting at Imperial College, London, on 6 January, the spring field meeting in south Wales from 18 - 25 April and the summer field meeting in Oban and Kintyre from 28 July - 8 August. Full details of these meetings will appear in later numbers of the Bulletin.

Lichen courses 1972

DEVONSHIRE. Slapton Ley Field Centre, Slapton, Kingsbridge, TQ7 2QP.
23 - 30 August. Lichens and fungi. D. L. Hawksworth. (Course for sixth formers and amateur beginners.)

PEMBROKESHIRE. Orielton Field Centre, Pembroke. 26 July - 2 August. Lichens.
P. W. James. (Course for teachers, undergraduates, informed amateurs and specialists.)

The centres will supply further details and information regarding bursaries and grants available for those who attend.

Individual maps scheme

Individual mapper Miss N. Wallace is changing her address on 1 May 1972 to 8 South Way, Shirley, Croydon, Surrey. Dr U.K. Duncan has relinquished the mapping of Parmeliopsis ambigua. The following additions to the list of individual mappers should be noted:

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| <u>Arthonia aspersella</u> | B. J. Coppins, Rogate Field Centre, The Red House, Rogate, Petersfield, Hampshire. |
| <u>A. cinereopruinosa</u> | B. J. Coppins. |
| <u>A. didyma</u> | F. Rose, 36 St Mary's Road, Liss, Hampshire. |
| <u>A. impolita</u> | F. Rose. |
| <u>A. lurida</u> | B. J. Coppins. |
| <u>A. stellaris</u> | B. J. Coppins. |
| <u>A. tumidula (A. cinnabarina)</u> | B. J. Coppins. |
| <u>Arthopyrenia cinereopruinosa</u> | B. J. Coppins. |
| <u>Arthothelium ilicinum</u> | B. J. Coppins. |
| <u>Bacidia</u> spp. | B. J. Coppins. |
| <u>Baeomyces placophyllus</u> | O. L. Gilbert, Department of Landscape Architecture, The University, Sheffield, S10 2TN. |
| <u>B. roseus</u> | C. J. B. Hitch, Department of Botany, Imperial College, Prince Consort Road, London SW7. |
| <u>B. rufus</u> | C. J. B. Hitch |
| <u>Buellia epigaea</u> | P. W. Lambley, Castle Museum, Norwich, NOR 65B. |
| <u>Calicium</u> spp. | C. J. B. Hitch. |
| <u>Catillaria atropurpurea</u> | F. Rose. |
| <u>C. lightfootii (fertile)</u> | B. J. Coppins. |
| <u>C. sphaeroides</u> | F. Rose. |
| <u>Catinaria grossa</u> | B. J. Coppins. |
| <u>C. subsphaeroides</u> | B. J. Coppins. |
| <u>Cetrelia cetrarioides</u> | F. Rose. |
| <u>Chaenotheca</u> spp. | C. J. B. Hitch. |
| <u>Collena furfuraceum</u> | B. J. Coppins. |
| <u>C. subfurvum</u> | B. J. Coppins. |
| <u>Coniocybe</u> spp. | C. J. B. Hitch. |
| <u>Cyphelium inquinans</u> | R. H. Bailey, Department of Extra-Mural Studies, 7 Ridgmount Street, London WC1. |
| <u>Dermatocarpon fluviatile</u> | O. L. Gilbert. |
| <u>D. hepaticum</u> | P. W. Lambley. |
| <u>Fulgensia</u> spp. | O. L. Gilbert. |
| <u>Graphina anguina</u> | B. J. Coppins. |
| <u>Graphis elegans</u> | F. Rose. |
| <u>Gyalecta carneolutea</u> | D. L. Hawksworth, Commonwealth Mycological Institute, Kew, Richmond, Surrey. |
| <u>G. ulmi</u> | B. J. Coppins. |
| <u>Lecania fuscella</u> | B. J. Coppins. |
| <u>Lecanora chlorona</u> | B. J. Coppins. |
| <u>L. intumescens</u> | B. J. Coppins. |
| <u>L. jamesii</u> | F. Rose. |
| <u>Lecidea decipiens</u> | P. W. Lambley. |
| <u>Lithographa dendrographa</u> | D. L. Hawksworth. |
| <u>Mycoporellum</u> spp. | B. J. Coppins. |
| <u>Ochrolechia frigida</u> | O. L. Gilbert. |
| <u>O. inversa</u> | F. Rose. |
| <u>Opegrapha prosodea</u> | F. Rose. |
| <u>Pachyphiale cornea</u> | F. Rose. |
| <u>Pannaria pityrea</u> | F. Rose. |
| <u>P. rubiginosa</u> | F. Rose. |
| <u>P. sampaiana</u> | F. Rose. |
| <u>Parmelia arnoldii</u> | F. Rose. |

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| <u>Parmelia dissecta</u> | F. Rose. |
| <u>P. endochlora</u> | F. Rose. |
| <u>P. exasperatula</u> | F. Rose. |
| <u>P. horrescens</u> | F. Rose. |
| <u>P. laevigata</u> | F. Rose. |
| <u>P. reddenda</u> | F. Rose. |
| <u>P. sinuosa</u> | F. Rose. |
| <u>P. taylorensis</u> | F. Rose. |
| <u>Parneliella plumbea</u> | F. Rose. |
| <u>Pertusaria coccodes</u> | F. Rose. |
| <u>P. flavida</u> | F. Rose. |
| <u>P. velata</u> | F. Rose. |
| <u>Phaeographis dendritica</u> | B. J. Coppins. |
| <u>Phlyctis agelaea</u> | B. J. Coppins. |
| <u>Polyblastia allobata</u> | B. J. Coppins. |
| <u>Porina coralloidea</u> | B. J. Coppins. |
| <u>P. leptalea</u> | B. J. Coppins. |
| <u>P. olivacea</u> | B. J. Coppins. |
| <u>Rinodina isidioides</u> | F. Rose. |
| <u>R. roboris</u> | F. Rose. |
| <u>Schismatomma niveum</u> | B. J. Coppins. |
| <u>Sphaerophorus globosus</u> | F. Rose. |
| <u>S. melanocarpus</u> | F. Rose. |
| <u>Squamarina</u> spp. | P. W. Lambley. |
| <u>Stenocybe</u> spp. | C. J. B. Hitch. |
| <u>Tomasellia</u> spp. | B. J. Coppins. |
| <u>Verrucaria degelii</u> | A. Fletcher, Botany Department, Marine Science Laboratories, Menai Bridge, Anglesey. |
| <u>V. erichsenii</u> | A. Fletcher. |
| <u>V. maura</u> | A. Fletcher. |
| <u>V. microspora</u> | A. Fletcher. |
| <u>V. mucosa</u> | A. Fletcher. |
| <u>V. striatula</u> | A. Fletcher. |

Distribution maps to be published

The following distribution maps of British lichens are to be published shortly and records not already submitted to the Mapping Recorder or the mappers concerned would be appreciated by Mr P. W. James, Department of Botany, British Museum (Natural History), Cromwell Road, London SW7 5BD, by 30 June 1972 so that they may be as complete as is possible:

| | |
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| <u>Anaptychia leucomelaena</u> | <u>Caloplaca luteoalba</u> |
| <u>Lecanactis premnea</u> | <u>Opegrapha lyncea</u> |
| <u>Opegrapha prosodea</u> | <u>Parmelia acetabulum</u> |
| <u>Parmelia elegantula</u> | <u>Parmelia exasperatula</u> |
| <u>Parmelia laciniatula</u> | <u>Parmelia reticulata</u> |
| <u>Parmelia soredians</u> | <u>Pertusaria coccodes</u> |
| <u>Pertusaria velata</u> | |

Death of Professor Rydzak

Professor J. Rydzak of Lublin, Poland, died on 5 February 1971. He had been a member of the Society since 1965. Professor Rydzak achieved prominence, indeed notoriety, by his attacks on the view that air pollution affected lichens. He considered, from his studies in Polish towns, that pollution had little or no effect, and that the scarcity of lichens in urban areas was due to the special climatic effects produced, especially dryness. His observations have been very valuable in drawing attention to the importance of the effects of low humidity, and the controversial nature of his opinions has promoted much thought, study and research on the effects of pollution on lichens, to the lasting benefit of science.

Forestry Commission under fire

Perhaps the most devastating attack on the Forestry Commission since its inception in 1919 was published last year by the Ramblers' Association in a booklet entitled Forestry: Time to Rethink. The booklet is available for 15p plus 3p postage from the Association at 1 Crawford Mews, London W1H 4PT. Lichenologists too are concerned about the policies of the Forestry Commission, for the replacement of broad-leaved woodland with conifer plantations, as is happening throughout the British countryside, leads to a considerable depletion in the epiphytic lichen flora.

The aptly - illustrated booklet points out that the Forestry Commission planted eighty-six square miles of conifers during 1969-70, compared with less than one square mile of broad-leaved trees. There are now five million acres of forestry land in Britain, almost two-thirds of which is dedicated to the mass production of conifers. Yet the Forestry Commission operates at a heavy loss and there is no early prospect that it will ever become profitable. Private forestry flourishes only because of the grants and tax concessions which are available to it, the funds being "so distributed that wealthy tax avoidance investors can expect better returns on their money than can the public who have financed the whole operation." The booklet also examines the forestry industry's contribution to amenity and recreation, its ability to provide jobs (or rather lack of ability), and its contribution to the balance of payments. The fact that forestry is exempted from planning control is deplored. The Commission's attitude to recreation is praised as a model to other landlords. The booklet also draws attention to the remarkable bipolar political influence enjoyed by the forestry lobby in drawing together ideological support from the left as a state-owned enterprise, and from the right because its activities favour forestry as a tax-avoidance investment to private landowners.

The Ramblers' Association recommends that a committee of enquiry into forestry be set up forthwith, that the industry's rate of expansion be checked until the proposed committee has reported, and that afforestation should cease to be exempt from planning control.

Report on lecture and exhibition meeting, 1972

Forty-two members attended the lecture and exhibition meeting, held in conjunction with the Annual General Meeting, on 8 January 1972 at the Department of Botany, Imperial College, London SW7. The following exhibits were displayed:

- COPPINS, B.J. New or interesting species from the British Isles.
- COPPINS, B. J & ROSE, F. Historical changes in the distribution of epiphytic lichens.
- HAWKSWORTH, D. L., JAMES, P.W. & SWINSCOW, T. D. V. Fungus and algae: a variety of relationships.
- LAUNDON, J. R. History of the British Lichen Society.
- SEAWARD, M.R.D. B.L.S. Mapping Scheme - past, present, future.
- TOPHAM, P. B. Cladonia uncialis: to show different types.
- TOPHAM, P. B. Umbilicaria cylindrica: to show variation in a small area with uniform habitat.
- TOPHAM, P. B. & DUNCAN, U.K. Peltigera lepidophora (Nyl. ex Vain.) Bitt. (New to Britain).
- TOPHAM, P. B. & DUNCAN, U.K. Stenocybe tremulicola Norrl. (New to Britain).

In the afternoon Mr A. Fletcher spoke on "physiological aspects of maritime lichen ecology" in which he outlined studies carried out by previous workers and then described in detail his own work of the investigation of possible factors which give rise to the shore zonation of lichens. The availability of water was found to be the most important factor, and drying out was also of significance. Following the tea interval Dr Susan Baddeley spoke on "the effect of sulphur dioxide on respiration in lichens" describing the pioneer work done at Bedford College and giving the results obtained to date. The meeting concluded with the showing of a few transparencies kindly provided by Mr F. A. Sowter and Miss N. Wallace.

New members

The following new members joined the Society between October 1971 and March 1972. F.M. = family member.

Armstrong, R. A., Botany School, South Parks Road, OXFORD.
Beltman, H. A., Nassauplein 13, GRONINGEN, Netherlands.
Briggs, K. B., 92 St. Leonard's Avenue, HOVE, Sussex.
Brookfield, G. L., Shropshire Schools Field Centre, ARTHOG, Merionethshire.
Brown, Miss H., Key West, Muggleswick, CONSETT, Co. Durham.
Cearns, A. S., Chevron House, Hurstpierpoint College, HASSOCKS, Sussex.
Croll, Mrs G., M.Sc., M.S., Flat 12, Westside, 68 Fortis Green, LONDON, N2. (F.M.)
Croll, R. D., B.Agr.Sc., B.Sc., Flat 12, Westside, 68 Fortis Green, LONDON N2.
Davey, S.R., 59 St Cross Road, WINCHESTER, Hampshire.
Dobson, F.S., 58 Parkway, LONDON SW20.
Foord, Mrs.E., J.P., Combe Cottage, Bakers Wood, DENHAM, Buckinghamshire.
Forster, J.V., 49 Thornfield Road, MIDDLESBROUGH, Teesside.
Gibbons, Mrs W., Greenstock, Warren Road, Bluebell Hill, ROCHESTER, Kent.
Gleeson, A., 119 Mousehole Lane, Bitterne, SOUTHAMPTON.
Grad. Miss F.M., B.Sc. M.I. Biol., 26 Steeple Lane, BEAUMARIS, Anglesey.
Hansen, E. S., Botanisk Museum, Gothersgade 130, 1123 KOBENHAV, N K, Denmark.
Holligan, P.M., Department of Botany, The University, SHEFFIELD, S10 2TN.
Jones, C. J., B.Sc., Department of Biochemistry, University College, Gower Street, LONDON WC1E 6BT.
Martin, Mrs S. I., 46 Thornbury Avenue, SOUTHAMPTON, SO1 5DA.
Mason, J.R., 5 Longacre, SELSEY, Sussex.
Millar, R. O., 15 Lon-y-Bryn, BANGOR, Caernarvonshire.
Murphy, Miss R. J., Shang-ri-la, Reskadinnick, CAMBORNE, Cornwall.
Parry, D. J., 24 Berner Street, MIDDLESBROUGH, Teesside.
Richards, A., 47 Rectory Road, BECKENHAM, Kent.
Seelen, E. J. R., Jorissenweg 22, HAREN, Gn, Netherlands.
Shaffer, M., 154 Blagdon Road, NEW MALDEN, Surrey (F.M.)
Shaffer-Fehre, Mrs M., 154 Blagdon Road, NEW MALDEN, Surrey.
Spicer, J.D., 106 Arundel Road, LITTLEHAMPTON, Sussex.
Sykes, Mrs E. H., 3 Westlands, 36 Dorking Road, EPSOM, Surrey.
Symons, P.N., 45 Lyonsdown Avenue, NEW BARNET, Hertfordshire.
Thorpe, P., 54 Chatham Avenue, Hayes, BROMLEY, Kent.
Wager, Miss B. B., 81 Digby Crescent, LONDON N4.
Williams, Miss W. W., Glanrhyd Farm, Rhosbodruall, CAERNARVON.

Lichen fertility: records required

Mr B. J. Coppins, Rogate Field Centre, The Red House, Rogate, Petersfield, Hampshire, is studying changes in the distribution and fertility of some British species with particular reference to the effects of air pollution. He would welcome records of the species listed below found with apothecia, giving at least the 10 km grid reference, date of the find, and habitat, i.e. corticolous, saxicolous or terricolous. He would also welcome the loan of fertile material so as to make notes on the size and abundance of apothecia.

Anaptychia ciliaris
Hypogymnia physodes
Lobaria pulmonaria
Ochrolechia androgyna
Parmelia acetabulum
Parmelia glabratula s.lat.
Parmelia reticulata
Parmelia saxatilis
Pseudevernia furfuracea
Usnea ceratina

Evernia prunastri
Lobaria amplissima
Lobaria scrobiculata
Ochrolechia turneri
Parmelia caperata
Parmelia perlata
Parmelia revoluta
Parmelia sulcata
Ramalina farinacea

Hypochlorite solutions

Calcium hypochlorite tests for C-reactions on lichen thalli are most easily out by the use of commercial hypochlorite bleaches. The Consumers' Association have recently carried out comparative tests on the available brands of these bleaches and have published their results in the January 1972 issue of Which? Unfortunately the Association examined the bleaches only from the point of view of their uses in laundry, cleaning and as disinfectants, and ignored their scientific use in lichenology. However they did show the proportion of available chlorine (the strength) of the twenty-five brands tested, and also the available chlorine per penny. There were big differences in the strengths of the different brands, and as strength falls as the bleach gets older, it is evident that the strongest bleaches should be best for lichen testing. The strongest solution was New Domestos, with 9.7 per cent available chlorine, followed by Domestos, with 8.2 per cent. The weakest bleach was Milton with only 1.1 per cent available chlorine.

Lichenologist published

Parts 1 and 2 of volume 5 of The Lichenologist were published as a single issue on 20 November 1971. Any member who paid a subscription for 1971 and who did not receive a copy should inform the Treasurer, Mr S. A. Manning, 28 Gilmerton Court, Long Road, Cambridge, CB2 2HQ.

Devonshire lichen flora

Dr D. L. Hawksworth, Commonwealth Mycological Institute, Ferry Lane, Kew, Richmond, Surrey, is preparing a lichen flora of Devonshire for inclusion in the Flora of Devon which is being produced for the Devonshire Association for the Advancement of Science under the editorship of Dr I. B. Ivimey-Cook. The data for this work are being stored on magnetic tape and to facilitate this special mapping cards have been produced bearing the names of 694 taxa reported from the county. Dr Hawksworth would be pleased to receive any records from the county and to supply special mapping cards to members visiting little known parts. Records already submitted to the Society's Mapping Scheme will be automatically incorporated, and all data sent to Dr Hawksworth will be passed on to the Scheme. It is hoped to complete this work in about four years time but in order to facilitate incorporation of the data any records should be sent to Dr Hawksworth as soon as possible.

Extracts from botanical publications, etc.

"It is understood that the new Herbarium in Edinburgh has been built mainly of glass in the hope that a detailed study can be made of the physiology of the death of taxonomy". Tea Phytologist 1964: 10 (1964).

"The Mens is an outstanding example of lowland deciduous woodland by any standards." Habitat 7 (4): 8 (1971).

"In the Netherlands there is a striking difference in the development of mural vegetation between Roman-Catholic and Protestant churches of approximately the same age ... damage by moisture and deterioration of the masonry is worse in churches of Protestant parishes. This is indubitably associated with the lesser frequency of the services and the period of heating. The walls cool off more rapidly and take up water vapour from the congregations more easily." SEGAL, S. 1969. Ecological Notes on Wall Vegetation:49. Junk, Den Haag.

"The more seriously taken plants grows slower and do not bloom, on principle." Preslia 25: 110 (1953).

"Few persons are convinced to day that existing species represent static units whose pattern has remained unchanged since they were made by the Almighty during one eventful week in 4004 B.C." DENNIS, R.W.G. 1968. British Ascomycetes: xxiii.

Additions to the British Lichen Society Library

The Council of the Society has decided that additions to the Society's Library will henceforth be included in the Bulletin. The list below is of works received from January to March 1972. They may be borrowed by post from the Librarian, Dr D. H. Brown, Department of Botany, The University, Bristol BS8 1UG.

- ASAHINA, Y. 1970. Lichenologische notizen (231 - 234). J. Jap. Bot. 45: 97-104.
- BAILEY, R. H. 1971. Notes on Gloucestershire lichens - 9. N. Glouc.Nat.Soc.J. 22: 426 - 428.
- BROWN, D. H. 1972. The effect of Kuwait crude oil and a solvent emulsifier on the metabolism of the marine lichen *Lichina pygmaea*. Marine Biol. 12: 309 - 315.
- COPPINS, B.J. 1971. Lichens of the middle Torne valley. Naturalist, Hull 918:113.
- COPPINS, B.J. & SHIMWELL, D.W. 1971. Cryptogam complement and biomass in dry Calluna heath of different ages. Oikos 22: 204 - 209.
- FILSON, R. B. 1969. A review of the genera *Teloschistes* and *Xanthoria* in the lichen family *Teloschistaceae* in Australia. Muelleria 2: 65 - 115.
- FISHER, K.A. & LANG, N.J. 1971. Ultrastructure of the pyrenoid of *Trebouxia* in *Ramalina menziesii* Tuck. J. Phycol. 7: 25 - 37.
- FISHER, K.A. & LANG, N.J. 1971. Comparative ultrastructure of cultured species of *Trebouxia*. J. Phycol. 7: 155 - 165.
- FOLLMANN, G. & HUNECK, S. 1970. Mitteilungen über Flechteninhaltsstoffe. LXXXIII. Zur Phytochemie und Chemotaxonomie einiger *Usnea*-Arten. Philippia 1 (1): 28-37.
- GALUN, M. BEN-SHAUL, Y & PARAN, N. 1971. Fungus-alga association in lichens of the *Teloschistaceae*: an ultrastructural study. New Phytol. 70: 837 - 839.
- GARRETT, R.M. 1971. Studies on some aspects of ascospore liberation and dispersal in lichens. Lichenologist 5: 33 - 44.
- HAWKSWORTH, D. L. 1970. Guide to the literature for the identification of British lichens. Bull. Br.mycol. Soc. 4: 73 - 95.
- HAWKSWORTH, D. L. 1971. *Lobaria pulmonaria* (L.) Hoffm. transplanted into Dovedale, Derbyshire. Naturalist, Hull 919: 127 - 128.
- HAWKSWORTH, D. L. 1971. *Tichothecium alectoriae* sp. nov. on *Alectoria ochroleuca*. Trans. Br. mycol. Soc. 57: 338 - 339.
- HAWKSWORTH, D. L. 1971. Against Culberson's proposal not to accept the proposal (311) to retain the family name *Usneaceae* Eschw. (1824) when it is united with the family *Ramalinaceae* Ag. (1821). Taxon 20: 821 - 822.
- HAWKSWORTH, D. L. & CHAPMAN D. S. 1971. *Pseudevernia furfuracea* (L.) Zopf and its chemical races in the British Isles. Lichenologist 5: 51 - 58.
- HAWKSWORTH, D. L. & MAHMOOD, T. 1971. Some lichens from coniferous forests in West Pakistan. Pakist. J. scient. ind. Res. 14: 113 - 115.
- HUNECK, S. & FOLLMANN, G. 1967. Zur Chemie chilenischer Flechten. XVI. Über die Inhaltsstoffe einiger *Roccellaceen*. Z.Naturf. B, 22: 362 - 363.
- HUNECK, S. & OVERTON, K.H. 1968. The occurrence of glomelliferic acid in *Lecidea leucephaea* (Flk.) Nyl. Miscnea bryol. lichen., Nichinan 4: 175 - 176.

KUROKAWA, S. 1968. A note on *Alectoria pubescens* (L.) R.H. Howé. Miscnea bryol. lichen. Nichinan 4: 164.

POELT, J. 1966. Zur Flechtenflora des Bayerisch-Böhmischen Waldes. Denkschr. regensb. bot. Ges. 26: 55 - 96.

POELT, J. & JÜLICH, W. 1969. *Omphalina grisella*, ein weiterer lichenisierter Blätterpilz. Herzogia 1: 331 - 336.

POELT, J. & TAVARES, C.N. 1968. *Xanthoria rosensdei*, eine neue Laubflechte der südwesteuropäischen Küsten. Port. Acta. Biol. B, 9: 300 - 307.

SEAWARD, M. R. D. 1971. A Guide to the Lichenological Collection of Thomas Hebdan (1849 - 1931). Museum, Cliffe Castle, Keighley.

VEZDA, A. 1970. Lichenes Selecti Exsiccati. (part)

WEBER, W. A. 1963. Lichens of the Chiricahua Mountains, Arizona. Univ. Colo. Stud. Ser. Biol. 10: 1 - 27. (Bound with above: AWASTHI, D. D. Some noteworthy additions to the lichen flora of India and Nepal: 28 - 36.)

YOSHIMURA, I. 1968. Japanese species of *Thyrea*. J. Jap. Bot. 43: 500 - 503.

Literature on lichens

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ALON, G. & GALUN, M. 1971. The genus *Caloplaca* in Israel. Israel J. Bot. 20: 273 - 292. (Short monograph with key.)

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FOLLMANN, G. & HUNECK, S. 1971. Mitteilungen über Flechteninhaltsstoffe. LXXXVIII. Zur vergleichenden Phytochemie der Krustenflechtenfamilie Acarosporaceae. Philippia 1 (2): 65 - 79. (Chemistry of thirty-eight representatives of five genera.)

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- GRIFFITHS, H. B., GREENWOOD, A. D. & MILLBANK, J. W. 1972. The frequency of heterocysts in the Nostoc phycobiont of the lichen *Peltigera canina* Willd. New Phytol. 71: 11 - 13.
- HAWKSWORTH, D. L. 1971. *Lobaria pulmonaria* (L.) Hoffm. transplanted into Dovedale, Derbyshire. Naturalist, Hull 919: 127 - 128. (Detailed observations on the death of this species.)
- HAWKSWORTH, D. L. 1971. Against Culberson's proposal not to accept the proposal (311) to retain the family name Usneaceae Eschw. (1824) when it is united with the family Ramalinaceae Ag. (1821). Taxon 20: 821 - 822. (Usneaceae Eschw. is illegitimate and therefore requires conservation.)
- HERTEL, H. 1971. Beiträge zur Kenntnis der Flechtenfamilie Lecideaceae. IV. Herzogia 2: 231 - 261. (Miscellaneous notes.)
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- HILL, D. J. & SMITH, D.C. 1972. Lichen physiology. XII. The 'inhibition technique'. New Phytol. 71: 15 - 30. (Carbohydrate movement.)
- JAHNS, H. M. 1971. Untersuchungen zur Taxonomie der Gattung *Baeomyces*. Herzogia 2: 133 - 148. (Ontogeny.)
- LEBLANC, F. 1971. Possibilities and methods for mapping air pollution on the basis of lichen sensitivity. Mitt. forstl. BundVersAnst. Wien 92: 103 - 126. (Discussion of different mapping methods.)
- LEBLANC, F., COMEAU, G & RAO, D. N. 1971. Fluoride injury symptoms in epiphytic lichens and mosses. Can. J. Bot. 49: 1691 - 1698.
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- ØSTHAGEN, H. 1971. Bidrag til Rogalands lavflora. Blyttia 29: 251 - 255. (Includes distribution maps of *Cladonia luteoalba* and *Leptogium burgessii* in Norway, and the first record of *Parmelia sinuosa* for Scandinavia.)

RASSADINA, K. A., SCHAPIRO, I. A. & MAKAROVA, I. I. 1971. Ad chemotaxonomiam Parmeliae conspersae s.l. Novit. Syst. Plant. non Vascularium 8: 264 - 272. (In Russian.)

SEAWARD, M. R. D. 1971. A Guide to the Lichenological Collection of Thomas Hebdon (1849 - 1931). Museum, Cliffe Castle, Keighley. (Account of specimens, books, reprints, etc., including herbarium records of seventy-four species from the Keighley area of Yorkshire.)

SIDE, A. G. 1972. 9th May - 'Wall Tour' from Maidstone. Bull. Kent Fld Club 17: 18 - 19. (Lists of Kent lichen records obtained on day excursion.)

SPENLING, N. 1971. Flechten und Flechtengesellschaften des Waldviertels. Herzogia 2: 161 - 230. (Sociology and flora.)

WALLACE, N. 1972. 2nd October - Dungeness. Bull. Kent Fld Club 17: 28 - 29. (Account of day excursion to Dungeness, Kent, with lichen records.)

Secretary's report for 1971

The membership of the Society remains static at 467, which is the same as the membership total a year ago. This is the first year in the history of the Society in which the membership has shown no increase. The number of new members joining the Society during 1971 was fifty-six, an increase of three over the previous year and achieved in spite of the long postal dispute which had an adverse effect on recruitment. The static membership appears to be mainly due to the increase in postal resignations, as opposed to members merely allowing their subscriptions to lapse, as has been the practice in the past. Thus I am confident that this set-back will be a temporary phenomenon, and an increase in membership during 1972 will be achieved. It is with great regret that the deaths of Dr Beschel, Dr Doppelbaur and Dr Rydzak are reported.

1971 was an eventful year, and the Society's sponsorship of the First International Mycological Congress, held at Exeter in September, was of great importance. The Congress was an outstanding success, with lichenology being represented in the symposia and other activities every day. Lichenology is a branch of mycology and it was fitting to see it being treated in this way at the Congress. The Society owes a great debt to the President, Mr James, for all the hard work he put in as regards organisation both before and during the Congress. The pre-Congress excursion was centred on Ilfracombe and was attended by twenty-eight persons, many of whom were from overseas. Mr James and Dr Hawksworth are thanked for leading this excursion.

The Society greatly assisted the Devon County Council in presenting evidence over three days in July against the proposed oil-fired power station at Millbrook, Plymouth. We are very grateful to Dr Hawksworth and Mr James for the immense amount of study and preparation that they did on this issue, and for putting over the case for conservation in such a convincing manner. We await the outcome of the enquiry with interest.

Regarding the Society's other activities, it is regretted that the August field meeting at Hereford had to be cancelled because of a lack of participants. The cancellation demonstrates that the Society is unable to support two long excursions during the summer months. The annual general, lecture and exhibition meeting was attended by thirty-nine persons, the spring field meeting in Dorset by fifteen, while twenty-six took part in the day wall tour in Kent in May - a record attendance for an event of this kind. The Portsmouth weekend meeting in October was less well supported, there being unfortunately a shortage of speakers. The Society is grateful to Mr Brightman, Mr Haynes, Mr James, Mr Morgan-Huws, Dr Rose and Mr Shrimpton for arranging and leading these meetings.

A combined number of parts 1 & 2 of volume five of The Lichenologist was published on 20 November 1971, and the editor Mr James, and assistant editor Dr Hawksworth, are thanked for producing such a varied and stimulating edition, and for maintaining the high standard. Two numbers of the Bulletin were issued, including a list of members. All officers, council members, referees, and others who have helped in the running of the Society are gratefully thanked for their co-operation.

J. R. LAUNDON
Honorary Secretary.

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(This report was presented at the Annual General Meeting, 8 January 1972)

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STOP - PRESS

It is proposed to hold a summer field meeting at Hereford if sufficient support is forthcoming. It will be from Saturday evening 2 September to Saturday morning 9 September 1972. Meet at 9.30 at the Castle Pool Hotel (headquarters), Hereford, on Sunday 3 September. See accommodation list in Bulletin 28. Members proposing to attend must inform Mr R. H. Bailey, Department of Extra-Mural Studies, 7 Ridgmount Street, London WC1. Mr Bailey will also supply further details of the meeting as required.

BRITISH LICHEN SOCIETY

YEAR ENDED 31 DECEMBER 1971

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

| <u>REVENUE</u> | £ p | <u>COSTS</u> | £ p |
|--|-----------------|--|-----------------|
| 1971 non-member subscriptions | 506.49 | Producing Vol.5, No.1/2 incl. | |
| Sales of back issues | 140.95 | offprints | 1576.76 |
| Sales of offprints | 110.50 | General costs | 54.38 |
| | | Postage and despatch | 45.03 |
| | | Blackwell's charge @ 7 $\frac{1}{2}$ p. per member | 30.52 |
| Owing to Blackwells | | Commissions to Blackwell's: | |
| (Trans. to Income & Expenditure account) | 1129.49 | 20% non-member subscriptions | 101.30 |
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INCOME AND EXPENDITURE ACCOUNT

| <u>INCOME</u> | | <u>EXPENDITURE</u> | |
|--|-----------------|---|---------------------|
| Canadian subscription A/c. | 105.57 | Bal. of Publication A/c. above | 1129.49 |
| Subscriptions (main account) | 856.21 | Duplicating <u>Bulletin</u> (2 issues) | 107.79 |
| Reading Circle subscriptions | 3.00 | Duplicating circulars | 1.25 |
| Sale of B.M.S. publication | 2.48 | Printing stationery | 36.15 |
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| Sale of Pd | 1.00 | inquiry | 4.50 |
| Interest on deposit A/c. | 131.83 | Telephone calls | 43 |
| Donation & stamp duty refund | .49 | Pd. for re-sale to members | 5.32 |
| | | Subs. to <u>The Bryologist</u> | 11.34 |
| | | Donation to International | |
| | | Mycological Congress | 25.00 |
| | | Loss on 1971 A.G.M. tea | 1.47 |
| <u>Excess of expenditure over income</u> | 204.02 | Increased contribution to colour plate | 87 |
| | | Cost re-books supplied to overseas member | 1.81 |
| | <u>£1386.45</u> | | <u>£1386.45</u> |

BALANCE SHEET 31 DECEMBER 1971

| | | | |
|---|-----------------|--|-----------------|
| Subs. received in advance | 70.75 | Cash at National Westminster Bank Ltd. | 1039.26 |
| Sundry creditors | | Cash in Canadian account | 239.61 |
| Blackwells | 1129.49 | Cash on deposit with Central Investment Co. Ltd. | 700.00 |
| Brit. Myc. Soc. | 80 | Petty Cash | 18 |
| General Fund | | | |
| Balance, 1.1.71 | 982.03 | | |
| <u>LESS</u> excess of expenditure over income | 204.02 | | |
| | <u>778.01</u> | | |
| | <u>£1979.05</u> | | <u>£1979.05</u> |

S. A. MANNING
Hon. Treasurer

7 February, 1972.

Audited and passed
J.H.G. PETERKEN

Hon. Auditor 1972.

Chartered Accountant 17 Feb. 1972.

Notice to contributors

News items, information, requests, and review articles relevant to lichenology are welcome and should be sent to the editor of the Bulletin, J. R. Laundon, Department of Botany, British Museum (Natural History), Cromwell Road, London SW7 5BD. Illustrations should be in black waterproof ink on white paper and of the same size as they are to be reproduced. Articles containing original matter, such as the results of research or reports of field meetings, may not be included, but should be submitted to the editor of The Lichenologist.

All contributions should include a concise and informative heading in lower-case with minimum capitalisation, underlined, and without a full point.

Lists should be in alphabetical or numerical order. In the text capitalisation should be kept to a minimum, and lower-case initials should be used in such expressions as "northern England". There should be no full point following Dr, Mr, Mrs or St. In descriptive matter numbers under 100 should be in words. Dates should follow the logical sequence of day, month, year (e.g. 28 July 1934). Times of day should conform to the twenty-four hour clock. Measurements should be in metric and should follow the SI system (Système International d'Unités); Imperial units may be included in parenthesis. Genus names should appear in full where first used within each paragraph. Scientific names should be underlined except in reference citations.

Localities in Britain should, unless there is good reason to the contrary, follow the spelling given on the latest editions of the maps published by the Ordnance Survey. Localities abroad should follow the local official spelling, as given in The Times Atlas of the World. Anglicised names may be included in parenthesis.

Reference citation is based on the Madison rules (in Bull. Torrey bot. Club 22: 130 - 132 (1895)) and on the guide to the citation of botanical literature in the International Code of Botanical Nomenclature, except that a colon is always placed before a page number. Capitalisation in titles of papers in journals should be kept to a minimum. Journal titles should follow the abbreviations in the World List of Scientific Periodicals and be underlined when in a list. Examples are as follows: In text:

Bailey & Garrett (1968: 63). (Bailey & Garrett 1968)
Chaenotheca trabinella A.L.Sm., Monogr. Brit. Lich. ed. 2, 1:6, pl. 2
f. d (1918).

Lecanora conizaeoides forma tenuis (Erichs.) W.Wats. in J. Bot., Lond.
73: 150 (1935).

Lecanora varia (Hoffm.) Ach., Lichenogr. Univers.: 377 (1810).

In list:

ALMBORN, O. 1952. A key to the sterile corticolous crustaceous lichens occurring in south Sweden. Bot. Notiser 1952: 239 - 263.

ANON. 1965. Dermatitis from lichens. Br. med. J. 1965 (2): 1447.

DAHL, E. 1968. Analytical Keys to British Macrolichens. Ed. 2 British Lichen Society, London.

PYATT, F.B. 1969. Ascospore germination in Pertusaria pertusa (L) Tuck. Revue bryol. lichén. II, 36: 316 - 320.

SHEARD, J.W. 1968. The zonation of lichens on three rocky shores of Inishowen, Co. Donegal. Proc. R. Ir. Acad. B, 66: 101-112.

Proofs can be supplied only if they are requested when the contribution is submitted. This is because of the duplicated nature of the Bulletin.

Up to twenty-five reprints can be supplied free, provided these are requested before the Bulletin goes to press. Additional copies may be purchased.