The Lichenologist

AN INTERNATIONAL JOURNAL EDITED FOR THE BRITISH LICHEN SOCIETY

BY

D. L. HAWKSWORTH

B. J. COPPINS, D. J. HILL, P. M. McMANUS, A. PENTECOST AND D. H. S. RICHARDSON



ACADEMIC PRESS

LONDON NEW YORK ORLANDO TORONTO

SAN DIEGO MONTREAL

SYDNEY

TOKYO

ISSN 0024-2829

BRITISH LICHEN SOCIETY

OFFICERS, 1986

President

J. R. Laundon, F.M.A., Department of Botany, British Museum (Natural History), Cromwell Road, London, SW7 5BD.

Vice-President and Editor

Professor D. L. Hawksworth, D.Sc., F.L.S., F.I.Biol., Commonwealth Mycological Institute, Ferry Lane, Kew, Surrey, TW9 3AF.

Secretary

Miss F. J. Walker, Department of Botany, British Museum (Natural History), Cromwell Road, London, SW7 5BD.

Treasurer

S. N. K. Tallowin, Lakeham Farm, Higher Ashton, Exeter, EX6 7RB.

Assistant Treasurer

F. S. Dobson, F.L.S., Richmond Publishing Co. Ltd., Orchard Road, Richmond, Surrey, TW9 4PD.

Regional Treasurer (N. America)

J. W. Sheard, Ph.D., Department of Biology, University of Saskatchewan, Saskatchewan, Canada.

Mapping Recorder

M. R. D. Seaward, D.Sc., F.L.S., School of Studies in Environmental Science, The University, Bradford, West Yorkshire, BD7 1DP.

Assistant Editors

B. J. Coppins D. J. Hill P. M. McManus A. Pentecost

Bulletin Editor

O. L. Gilbert, Ph.D., Department of Landscape Architecture, University of Sheffield, Sheffield, S10 2TN

Librarian, Archivist and Reading Circle Secretary
D. H. Brown, Ph.D., Department of Botany, The University, Woodland Road, Bristol, BS8 1UG.

Conservation Officer

A. Fletcher, Ph.D., Museum and Art Gallery, New Walk, Leicester, LE1 6TD.

Curator

R. K. Brinklow, B.Sc., Dundee Museums and Art Galleries, Albert Square, Dundee, DD1 1DA.

Field Meetings Secretary
C. J. B. Hitch, Ph.D., The Whin, Wadd Lane, Snape,
Saxmundham, Suffolk IP17 1QY.

Elected Members of Council

M. Gosling F. Rose P. M. McManus P. W. James A. M. O'Dare O. W. Purvis

Membership of the British Lichen Society is open to all persons anywhere in the world interested in any part of lichenology. Subscriptions, due on joining and afterwards on 1 January each year, are: ordinary members, £15; junior associate members, £6. Details of membership, activities of the Society and application forms may be obtained from the Secretary (address above). Members receive the Bulletin of the British Lichen Society and issues of The Lichenologist published in the year they join, and afterwards while they remain members of the Society, free of charge. Junior associate members do not receive The Lichenologist.

1986, Volume 18, 4 issues (January, April, July, October): Inland £65.00 including postage; abroad \$134.00 including postage. Subscription orders should be sent to Academic Press Inc. (London) Ltd, High Street, Foots Cray, Sidcup, Kent DA14 5HP, England (tel. 01-300 0155).

Send notices of change of address to the Assistant Treasurer and office of the Publishers at least 6–8 weeks in advance. Please include both old and new addresses.

Air freight and mailing in the U.S.A. by Publications Expediting Services Inc., 200 Measham Avenue, Elmont, N.Y. 11003, U.S.A.