The Lichenologist

AN INTERNATIONAL JOURNAL EDITED

BY

P. D. CRITTENDEN

A. F. BRAITHWAITE, D. H. BROWN, B. J. COPPINS, J. HAFELLNER, P. L. NIMIS, D. H. S. RICHARDSON, C. W. SMITH, T. TØNSBERG and M. WEDIN



A Harcourt Science and Technology Company

ISSN 0024-2829

BRITISH LICHEN SOCIETY

OFFICERS 2000

President and Conservation Officer

A. Fletcher, Ph.D., F.L.S., The Holly Hayes Environmental Resources Centre,
Leicestershire Museums Service, 216 Birstall Road, Birstall, Leicester LE4 4DG

Vice President
A. M. Coppins, 37 High Street, East Linton, Lothian EH3 5LR

Secretary

A. Waterfield, B.Sc., c/o Department of Botany, The Natural History Museum, Cromwell Road,
London SW7 5BD

Treasurer F. S. Dobson, F.L.S., 57 Acacia Grove, New Malden, Surrey KT3 3BU

Assistant Treasurer

J. M. Gray, Penmore, Perranuthnoe, Penzance, Cornwall TR20 9NF

Regional Treasurer (Americas)
S. Clayden, Ph.D., The Herbarium, New Brunswick Museum, 277 Douglas Avenue, Saint John,
New Brunswick E2K 1E5, Canada

Senior Editor
P. D. Crittenden, Ph.D., School of Biological Sciences, University of Nottingham,
University Park, Nottingham NG7 2RD

P. W. Lambley, The Cottage, Elsing Road, Lyng, Norwich, Norfolk NR9 5RR

Mapping Recorder and Archivist
Professor M. R. D. Seaward, D.Sc., F.L.S., F.I.Biol., Department of Environmental Science,
The University, Bradford, West Yorkshire BD7 1DP

Librarian

D. L. Hawksworth, C.B.E., D.Sc., F.D.hc., F.R.S.A., F.L.S., C.Biol., F.I.Biol., MycoNova, 114 Finchley Lane, Hendon, London NW4 1DG

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

Field Meetings Secretary

I. G. Pedley, 48 Woodlands Drive, Groby, Leicester, Leicestershire LE6 0BQ

J. W. Bates T. W. Chester B. W. Edwards B. Hilton F. Rose S. Street

Membership of the British Lichen Society is open to all individuals (not institutions) anywhere in the world interested in any part of lichenology. Subscriptions, due on joining and afterwards on 1 January each year, are: ordinary members, £25; associate members, £18-50; senior associate members, £7-50; junior associate members, £5-00. 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. Associate members do not receive The Lichenologist. Details of the membership, facilities and activities of the Society and an application form may be found on the British Lichen Society web site at http://www.argonet.co.uk/jmgray/ or obtained from the Secretary (address above).

The Lichenologist: ISSN 0024-2829. Volume 32, 2000, published bimonthly for the British Lichen Society, by Academic Press at Harcourt Place, 32 Jamestown Road, London NW1 7BY, UK. Annual worldwide subscription price including postage: £270. Buyers in Canada should add GST at the current rate of 7%. Subscription orders should be sent to: Foot's Cray, Sidcup, Kent DA14 5HP, UK (Tel: 020-8308 5700). Send notices of changes of address to the Assistant Treasurer and the publisher (Institutions) at least 6–8 weeks in advance, including both old and new addresses.

Periodicals postage paid at Rahway, NJ 07001, USA.

The Lichenologist, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA.

USA POSTMASTERS: Send change of addresses to *The Lichenologist*, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA.

This journal is covered by Current Contents and Biological Abstracts.

Academic Press journals do not levy page charges.

Printed in UK.