The Lichenologist is an international journal and welcomes papers and short communications from contributors anywhere in the world on any aspect of lichenology.

Manuscripts must be original, clearly and precisely presented in English and electronic versions submitted to *The Lichenologist* ScholarOne website <<u>http://mc.manuscriptcentral.com/lich</u>> following the on-screen instructions. Please note that submission must be done from *The Lichenologist* ScholarOne account belonging to the Corresponding Author. Authors submitting a manuscript do so on the understanding that, if it is accepted, copyright of the paper will be assigned exclusively to the publisher (see Copyright below).

Key words. Supply 3–6 key words or phrases in addition to those in the title.

Text. This must be word processed on A4 (210×297 mm) or letter (8.5×11 inch) in double spacing with 2.5 cm margins all round. On all points of style concerning text and tables consult recent copies of the journal. Words to be italicized should be either underlined or typed in italics but not both. Complete scientific names (genus, species and authority) must be cited at first mention. Thereafter the generic name may be abbreviated to the initial except at the beginning of a sentence or where the abbreviation might result in confusion with other genera. Recent issues should be consulted for layout of new species, new combinations, synonymy and lists of specimens examined. Examples of style are given below. All nomenclatural novelties must be deposited in Myco-Bank <http://www.mycobank.org> and the MycoBank number included after the taxon name; this is intended to minimize future confusion and make taxonomic data more widely available. The spelling of locality names in the British Isles and abroad must follow the most recent editions of maps published by the Ordnance Survey and The Times Atlas of the World, respectively.

Examples of style employed in

(a) description of new species: Ramalina jamesii Krog sp. nov. MycoBank MB128348

Thallus saxicola, ascendens vel plus minusve inclinatus etc.

Typus: Portugal, Madeira, Porto Santo, Pico do Facho, 33°05'N, 16°19'W, on acidic rock, 350 m alt., 7 April 1988, *H. Krog & E. Timdal* 6163 (O—holotypus; BM, UPS—isotypi).

(b) citation of described species or new combinations: **Pyrenopsis furfurea (Nyl.) Th. Fr.**

Bot. Notiser **1866:** 58 (1866); type: Scotland, Ben Lawers, 1864, *Jones* (H-NYL 42916—lectotype; BM— isolectotype).

Pyrenopsidium terrigenum (Th. Fr.) Forss., Nova Acta R. Soc. Scient. Upsal. ser. 3, 13(6): 81 (1985).—Pyrenopsis haematopsis (Sommerf.) β . terrigena Th. Fr. in Hellbom, Öfvers K. Vetens Akad. Forh. 22(6): 478 (1865); type: Sweden, Lule Lappmark, Skarfi, 1864, *Hellbom* (UPS-holotype).

(c) citation of specimens examined:

Long lists of citations are discouraged. Data should be reproduced as either maps or lists containing only data essential for locating specimens. Complete lists, with the above format, can be deposited with *The Lichenologist* and other appropriate Institutions, and their location noted in the text.

Selected specimens examined. British Isles: Scotland: V.C.96, Easterness: Abernethy Forest, near Forest Lodge, 38/01.16, on Pinus lignum, 1975, Coppins [2199] & Rose (BM, E).—Germany: Bayern: Allgauer Alpen, 1957, Schoppel & Poelt [Poelt, Lichenes Alpinum no. 56] (H).—Australia: Tasmania: Weindorfers Forest, 41°38'S, 145°56'E, 920 m, 1988, Kantvilas 68/88 (E); Cox Bight, behind west beach, sea-level, 1985, J. A. Elix 20945 (ANUC). Victoria: Bellel Creek, c. 1800 m, 5 vi 1983, M. E. Hale (HO).

Tables. These must be self-explanatory and each presented on separate pages outside the main text. A short title should be provided with any additional information contained in footnotes. Vertical columns should be separated by spacing; vertical lines must be avoided.

Figures. Refer to all *drawings*, *diagrams*, *graphs* and *photographs* as figures. These should be of the highest quality and suitable for direct reproduction after reduction where appropriate. Each figure should be presented as a separate file. Plan figures to appear within a single column (67 mm) or for reproduction across two columns (139 mm).

Drawings, diagrams and *graphs*. Preferred symbols for graphs are \bullet , \bigcirc , \blacksquare , \Box , \land , \land ; keys to symbols, etc, should be given in figure legends. Tick marks should be placed inside the axes of graphs and half tones should be avoided.

Photographs (colour or black and white: note that there is a page charge for colour—see **Charges** below) should be submitted at the size they will appear.

Subdivisions of figures should be labelled with capital letters, e.g. A, B, C, etc. All *legends* for figures should be provided on a separate page to be included with the text of the paper after the references.

Format for supplying electronic artwork.

To ensure that your figures are reproduced to the highest possible standards and your article is published as quickly and efficiently as possible, we recommend the following formats and resolutions for supplying electronic figures.

Please ensure that your figures are saved at final publication size and are in our recommended file formats.

Line artwork (e.g. graphs, drawings histograms, diagrams)

Format: tif or eps

Colour mode: black and white (also known as 1-bit)

Resolution: 1200 dpi Size: please size to final publication size

Combination artwork (line/tone)

Format: tif or eps Colour mode: grayscale (also known as 8-bit) Resolution: 800 dpi Size: please size to final publication size

Black and white halftone artwork (e.g. photographs) Format: tif

Colour mode: grayscale (also known as 8-bit) Resolution: 300 dpi Size: please size to final publication size

Colour halftone artwork (e.g. photographs) Format: tif Colour mode: CMYK colour Resolution: 300 dpi Size: please size to final publication size

References. Citations in the text should take the form: Green & White (2004) or (Brown 1999*a*, *b*, 2001; Smith & Jones 1999). Multiple citations should be ordered chronologically. When papers are by three or more authors, give only the name of the first author followed by *et al.* (e.g. Halonen *et al.* 1998) throughout the text. At the end of the text, list the references alphabetically using the following standard forms:

- Scherrer, S. & Honegger, R. (2003) Inter- and intraspecific variation of homologous hydrophobin (*H1*) gene sequences among *Xanthoria* spp. (lichenforming ascomycetes). *New Phytologist* 158: 375– 389.
- Øvstedal, D. O. & Smith, R. I. L. (2001) Lichens of Antarctica and South Georgia. A Guide to their Identification and Ecology. Cambridge: Cambridge University Press.
- Lumbsch, H. T. (2002) Analysis of phenolic products in lichens for identification and taxonomy. In Protocols in Lichenology: Culturing, Biochemistry, Ecophysiology and Use in Biomonitoring (I. Kranner, R. P. Beckett & A. K. Varma, eds): 281–295. Berlin: Springer.
- Muggia, L., Schmitt, I., Blaha, J., Rankl, J. & Grube, M. (2006) Evolution of polyketide synthases in lichens. In Abstracts of the 8th International Mycological Congress, 21–25 August, 2006, Cairns, Australia, p. 167.
- Murtagh, G. J. (1999) Sex and variation in lichen-forming fungi. Ph.D. thesis, University of Nottingham.

References should be listed in alphabetic sequence with: single authors, by date; two authors, alphabetically, then by date; three or more authors by date only. When papers are by more than ten authors, give the names of only the first ten followed by "*et al.*".

Abbreviations, etc. For guidance on units, symbols, chemical nomenclature and abbreviations consult author guideline for the *The New Phytologist.*

Copyright. Authors submitting a manuscript do so on the understanding that if it is accepted for publication, copyright in the article, including the right to reproduce the article in all forms and media, shall be assigned exclusively to the British Lichen Society. The Copyright Transfer Agreement, a copy of which is sent with the proofs or can be found on the journal home page listed on the back cover, should be signed by the appropriate person(s) and should accompany the original submission of a manuscript to this journal. The transfer of copyright does not take effect until the manuscript is accepted for publication. Copyright in the paper for the United States of America shall be assigned to the Society. It is the policy of the publisher that authors need not obtain permission in the following cases only: (1) to use their original figures or tables in their future works; (2) to make copies of their papers for use in their classroom teaching; and (3) to include their papers as part of their dissertations.

Offprints. In consideration for the assignment of copyright, the Society will supply 25 offprints and a pdf file of each paper or Short Communication but not of Book Reviews. Further reprints can be ordered at extra cost directly from Cambridge University Press when the author returns the proofs of their article.

Charges. Page charges are not levied. Authors are responsible for the cost of coloured illustrations and should consult the Senior Editor regarding current charges.

Book Reviews. Books dealing with any aspect of lichenology will be reviewed. Publishers wishing to have works reviewed in *The Lichenologist* should send them to Dr A. Fletcher, 117 Sycamore Way, Littlethorpe, Leicester LE19 2HW, UK (a.fletcherfletcher@btinternet. com), in the first instance.

Notice: While the Senior Editor and Editors endeavour to check the accuracy of statements in contributions in as far as they are able, it should be emphasized that views expressed in papers in *The Lichenologist* are those of their authors and do not necessarily represent those of the British Lichen Society, Cambridge University Press, the Senior Editor, or the members of the Editorial Board.

JOURNALS



The Journal of Agricultural Science

The Journal of Agricultural Science

is available online at: http://journals.cambridge.org/ags

To subscribe contact Customer Services

in Cambridge: Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org

Senior Editors

Julian Wiseman, University of Nottingham, UK Animal papers Robert E. L. Naylor, University of Aberdeen, UK Crop & Soil papers

The Journal of Agricultural Science publishes papers concerned with the advance of agriculture and the use of land resources throughout the world. It publishes original scientific work related to strategic and applied studies in all aspects of agricultural science and exploited species, as well as reviews of scientific topics of current agricultural relevance.

Price information is available at: http://journals.cambridge.org/ags

 Free email alerts

 Keep up-to-date with new material – sign up at

 http://journals.cambridge.org/alerts

 For free online content visit:

 http://journals.cambridge.org/ags

JOURNALS



EDINBURGH JOURNAL OF BOTANY

Published for the Royal Botanic Garden Edinburgh

Edinburgh Journal of Botany is available online at: http://journals.cambridge.org/ejb

To subscribe contact Customer Services

in Cambridge: Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York: Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org Senior Editor David J. Middleton, Royal Botanic Garden, Edinburgh, UK

Edinburgh Journal of Botany is an international journal of plant systematics and related aspects of biodiversity, conservation and phytogeography. It covers plants and fungi in all geographic areas. Papers linking traditional and modern taxonomic techniques are especially encouraged. Commissioned book reviews and review articles are also included.

Price information is available at: http://journals.cambridge.org/ejb

Free email alerts Keep up-to-date with new material – sign up at http://journals.cambridge.org/alerts

For free online content visit: http://journals.cambridge.org/ejb



JOURNALS



GENETICS RESEARCH

Formerly published as Genetical Research

Senior Executive Editor

T. F. C. Mackay, North Carolina State University, USA *Executive Editors* D. J. Finnegan, University of Edinburgh, UK

W. G. Hill, University of Edinburgh, UK Shizhong Xu, University of California, USA

Genetics Research is a key forum for original research on all aspects of genetics. Building on the success and history of its previous incarnation, *Genetical Research*, the journal has a publishing remit that provides comprehensive coverage of subjects vital to the field.

The breadth and quality of papers, reviews and book reviews make the journal invaluable to geneticists, evolutionary biologists, plant and animal breeders and molecular biologists.

Price information is available at http://journals.cambridge.org/grh

Free email alerts Keep up-to-date with new material – sign up at http://journals.cambridge.org/alerts

For free online content visit http://ournals.cambridge.org/grh



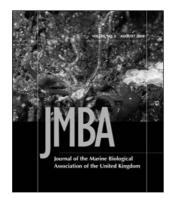
Genetics Research is available online at http://journals.cambridge.org/grh

To subscribe contact Customer Services

in Cambridge: Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York: Phone +1 (845) 353 7500 Fax +1 845) 353 4141 Email subscriptions_newyork@cambridge.org

JOURNALS



Journal of the Marine Biological Association of the United Kingdom is available online at journals.cambridge.org/mbi

To subscribe contact Customer Services

in Cambridge: Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York: Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org

Journal of the Marine Biological Association of the United Kingdom

Published for The Marine Biological Association of the United Kingdom

Editors-in-Chief P. E. Gibbs, The Marine Biological Association of the UK, Plymouth, UK P. R. Dando, The Marine Biological Association of the UK, Plymouth, UK *Executive Editor*

Ann L. Pulsford, The Marine Biological Association of the UK, Plymouth, UK

JMBA is an international journal with a worldwide distribution, publishing original research on all aspects of marine biology. It includes current international research developments and features much of the pioneering work taking place today on major issues concerning marine organisms and their environment. Subjects include ecological surveys and population studies, and chemical and physical oceanographic work.

Price information is available at http://journals.cambridge.org/mbi

Free email alerts Keep up-to-date with new material – sign up at http://journals.cambridge.org/alerts

For free online content visit http://journals.cambridge.org/mbi



The Lichenologist

Volume 42 Part 4 July 2010

	Peter James – an 80th birthday tribute	353
Articles		
HAWKSWORTH, D. L. & ETAYO, J.	<i>Calongia gibelluloides</i> gen. sp. nov., a remarkable minute new lichenicolous conidial fungus from northern Spain	355
von BRACKEL, W. & ETAYO, J.	Pronectria collematis (Bionectriaceae, Hypocreales), a new species on Collema from Germany and Spain	361
SPRIBILLE, T. & LUMBSCH, H. T.	A new species of <i>Elixia (Umbilicariales</i>) from Greece	365
DOLNIK, C., BECK, A. & ZARABSKA, D.	Distinction of <i>Cladonia rei</i> and <i>C. subulata</i> based on molecular, chemical and morphological characteristics	373
JØRGENSEN, P. M. & OLLEY, L.	A new hairy <i>Leptogium</i> from Nepal	387
SHARMA, B.O., MAKHIJA, U. & Khadilkar, P.	Two species of Carbacanthographis from India	391
PÉREZ-ORTEGA, S., HALICI, M. G., KNUDSEN, K, & CANDAN, M.	A new species of <i>Stigmidium</i> sensu stricto on <i>Thelenella muscorum</i>	397
LENDEMER, J. C. & HODKINSON, B. P.	A new perspective on <i>Punctelia subrudecta (Parmeliaceae</i>) in North America: previously rejected morphological characters corroborate molecular phylogenetic evidence and provide insight into an old problem	405
ELIASARO, S., CRUZ, L. M., IACOMINI, M., de OLIVEIRA PEDROSA, F. & CORDEIRO, L. M. C.	Phylogenetic relationship of <i>Parmelia lindmanii (Parmeliaceae</i>) inferred by analysis of its nuITS rDNA sequence	423
CASTELLO, M.	Notes on the lichen genus <i>Rhizoplaca</i> from continental Antarctica and on some other species from northern Victoria Land	429
ŞENKARDEŞLER, A.	Additions and corrections of types in the genus <i>Buellia</i> s. lat (<i>Physciaceae</i>) described by J. Steiner	439
FERENCOVA, Z., DEL PRADO, R., PÉREZ-VARGAS, I., HERNÁNDEZ- PADRÓN, C. & CRESPO, A.	A discussion about reproductive modes of <i>Pseudevernia furfuracea</i> based on phylogenetic data	449
MUGGIA, L & GRUBE, M.	Fungal composition of lichen thalli assessed by single strand conformation polymorphism	461
HAUCK, M. & WIRTH, V.	Preference of lichens for shady habitats is correlated with intolerance to high nitrogen levels	475
Short Communications		
BARRASA, J. M. & RICO, V. J.	Taxonomic and nomenclatural comments on the lichenicolous agaric <i>Arrhenia peltigerina</i>	485
KRZEWICKA, B.	Umbilicaria rhizinata comb. nov. (lichenized Ascomycota)	491
Book Reviews		495

The Lichenologist, Vol. 42, Part 4 was published on 21 June 2010

Cambridge Journals Online

For further information about this journal please go to the journal website at: journals.cambridge.org/lic CAMBRIDGE UNIVERSITY PRESS