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The opinions expressed in the *Newsletter* are not necessarily those held by the International Association for Lichenology

INTERNATIONAL ASSOCIATION FOR LICHENOLOGY

The International Association for Lichenology (IAL) promotes the study and conservation of lichens. It organizes symposia, field trips, and distributes a biannual newsletter. There is a listserver that enables on-line discussion of topics of interest. Webpages devoted to lichenology are also maintained by members of the Association. People wishing to renew their membership or become members of IAL are requested to send their subscription (one payment of 40 USD for 2009-2012) to either Treasurers.

The **International Lichenological Newsletter** is the official publication of IAL. It is issued twice a year (July and December) in English. The *Newsletter* is also available on the Internet. The *Newsletter* is divided into four main sections: 1) **Association news**: official information concerning the Association, such as minutes of Council meetings, proposals of Constitutional changes, new members, changes of addresses, etc. 2) **News**: information about lichenologists, institutional projects, herbaria, requests of collaboration, announcements of meetings, book reviews, etc. 3) **Reports**: reports of past activities, short lectures, obituaries, short historical novelties, etc. 4) **Reviews**: presentation of recent progress and other topics of interest in lichenology with optional discussion. When the material exceeds the available space, the Editor will prepare a summary, on prior agreement with the contributors.

Any information intended for publication should reach the Editor on or before June 15 and November 15 for inclusion in the July and December issues, respectively.

IAL affairs are directed by an Executive Council elected during the last General Meeting. Council members elected at the IAL6 Symposium (Asilomar, California (U.S.A.), 2008) are listed below, and will serve until 2012.

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ASSOCIATION NEWS



Lichens on the Atlantic West Coast of Scotland

A week's excursion is offered lichenising in the stunning scenery of western Scotland. The Scottish west coast has a hyper-oceanic climate, varied geology, low air pollution, and relatively large areas of natural and semi-natural habitat. The landscape is varied and impressive, with mountain summits rising steeply from the Atlantic coastline. This setting comprises a range of species-rich lichen assemblages which are considered to be unique in Europe, and which in some cases are globally rare. The excursion will aim to cater to specific interests, though is likely to comprise visits to old-growth woodland (hazel, oak, birch), rocky coastlines, basalt outcrops, prehistoric sites, and mountain summits. The excursion will provide an exciting opportunity for taxonomists to extend their biogeographic realm, for ecologists to explore lichen species and communities in this unique European context, and for everyone to sample a drop of the liquid gold. Sightings of rare wild haggis cannot be guarenteed.

Location: Kintail Base Camp

The Base Camp is situated below Sgurr na Moraich, the last of the famous 'Five Sisters of Kintail', and Ben Attow (The Long Mountain). These spectacular mountains rise steeply from the shores of Loch Duich, offering some of the best hill walking in Britain. The Base is 5 minutes from the A87 with Glenelg and the Isle of Skye within easy reach.

Kintail Base Camp provides a unique setting and was used successfully as part of the 'Rockers Workshop 2005' an international meeting of lichenologists with the focus on training Lichen Apprentices (Kintail was the second week of the 2005 Workshop).

Up to 20 can be accommodated in this excellent bunkhouse property. Five bedrooms with bunk beds - one two bedded, three four bedded and one six bedded - fully equipped kitchen, sitting room with wood-burning stove, dining room, drying room and laundry. Oil-fired central heating and wood burning stove.

The Excursion will be led by Dr Brian **Coppins** and Dr Chris **Ellis** (RBGE). A limited number of microscopes will be provided. A minibus will be available to take participants to different localities, to include woodland, montane and coastal sites. The mysterious Isle of Skye is on the agenda, with its mountains and woodlands.

Dates: Saturday 24th July – Staurday 31st July, 2010. Cost: it will be about £300 per person for the 7 days (includes all transport, all accommodation and most of all food).

Please book through Christian **Printzen**. It will be a matter of first-come-first-served. Arrangements about pick-up before, and bringing back to Edinburgh before the Conference will be arranged nearer the time.

Congress Programme

Sunday 1st August

12.00-17.00 Registration opens
17.00-17.30 Congress Welcome (Usher Hall)
17.30-18.15 The poetry of mycological accomplishment and challenge John Taylor, University of California at Berkeley, USA
18.15-18.30 Transfer from Usher Hall to EICC
18.30-20.00 Welcome Reception (EICC)

Monday 2nd August

09.00 **Plenary 1: The molecular machinery for organelle trafficking: how motors move endosomes in fungal hyphae** *Gero Steinberg, University of Exeter, UK*

A: Cell Biology, Biochemistry and Physiology

10.30-13.00 or 11.00-13.30 **200th anniversary of the hypha Chairs:** Meritxell Riquelme, *CICESE, Mexico* Peter Sudbery, *Univeristy of Sheffield, UK* **Invited Speakers:** Roger Lew, *York University, Canada* Haoping Liu, *University of California at Irvine, USA* Robby Roberson, *Arizona State University, USA* Meritxell Riquelme, *CICESE, Mexico*

16.00-18.30

The fungal nucleus Chairs: Steve Osami, *Ohio State University, USA* Pepe Perez-Martin, *CSIC, Spain* Invited Speakers: José Pérez-Martín, *CSIC, Spain* Miriam Zolan, *University of Indiana, USA* Anne E. McBride, *Bowdoin College, USA* Eduardo Espeso, *CSIC, Spain*

B: Genomics, Genetics and Molecular Biology

10.30-13.00 or 11.00-13.30 **Fungal epigenetics Chairs:** Mick Tuite, University of Kent, UK Eric Selker University of Oregon, USA **Invited Speakers:** Sven Saupe, University of Bordeaux, France Jane Mellor, University of Oxford, UK Robin Allshire, University of Edinburgh, UK Eric Selker, University of Oregon, USA

16.00-18.30

Beyond sequence – applied genomics and industrial mycology Chairs: Scott Baker, Pacific Northwest national Laboratory, USA John Taylor, University of California at Berkeley, USA Invited Speakers: Clay Wang, University of Southern California, USA Ronald de Vries, KNAW, The Netherlands Scott Baker, Pacific Northwest National Laboratory, USA

C: Pathogenesis and Disease Control

10.30-13.00 or 11.00-13.30 **Future strategies for the control of fungal diseases Chairs:** Michael Csukai, *Sygenta, UK* Terry Roeman, *Merck, USA* **Invited Speakers:** James Belkovec, *Merck, USA* Gabriel Scalliet, *Sygenta, Switzerland* Gerald Bills, *Medina Andalucia, Spain*

16.00-18.30 Environmental sensing and responses Chairs: Joe Heitman, Duke University, USA Sarah Gurr, University of Oxford, UK Invited Speakers: Fritz Muhlschlegel, University of Kent, UK Luis Corrochano, University of Seville, Spain Clarissa Nobile, University of California at San Francisco, USA Jay Dunlap, Dartmouth University, USA

D: Evolution, Diversity and Systematics

10.30-13.00 or 11.00-13.30 **Cryptic species and speciation Chairs:** Marco Thines, University of Hohenheim, Germany Ana Crespo, Complutense University of Madrid, Spain **Invited Speakers:** Dominik Begerow, Ruhr-Universität Bochum, Germany Marco Thines, University of Hohenheim, Germany Kerry O'Donnell, United States Defence Academy, USA Greg W. Douhan, University of California at Riverside, USA

16.00-18.30

Origin and co-evolution of lichen and mycorrhizal fungi with plants Chairs: Francois Lutzoni, *Duke University, USA* Olafur Andresson, *University of Tennessee, USA* Invited Speakers: Christoph Scheidegger, *Swiss Federal Institute for Forest, Snow and Landscape Research, Switzerland* Brandon Matheny, *University of Tennessee, USA* Susana Magallon, *Universidad Nacional Antonoma de Mexico, Mexico* Michele Hoffman, *University of Arizona, USA*

E: Environment, Ecology and Interactions

10.30-13.00 or 11.00-13.30
Fungi and global change 1: Nitrogen enrichment and land use change
Chairs: Peter Crittenden, University of Nottingham, UK,
Kristiina Vogt, University of Washington, USA
Invited Speakers: Hans Tommervik, Norwegian Institute for Nature Research, Norway,
Pat Wolseley, National History Museum, UK

16.00-18.30 **Fungi and global change 2: climate change responses Chairs:** Chris Ellis, *Royal Botanical Gardens Edinburgh, UK* Rytas Vilgalys, *Duke University, USA* **Invited Speakers**: TBC

Tuesday 2nd August

09.00 **Plenary 2: Microbial pathogens in the fungal kingdom** *Joseph Heitman, Duke University, USA*

A: Cell Biology, Biochemistry and Physiology

10.30-13.00 or 11.00-13.30 Signalling and development Chairs: Paul Tudzynski, University of Münster, Germany Alex Brand, University of Aberdeen, UK Invited Speakers: Michael Bölker, University of Marburg, Germany Sarah Gurr, University of Oxford, UK Alex Brand, University of Aberdeen, UK

16.00-18.30 Endocytosis and exocytosis Chairs: Brian Shaw, *Texas A&M University, USA* Peter Punt, *TNO, The Netherlands* Invited Speakers: Brian Shaw, *Texas A &M University, USA* Katsuhiko Kitamoto, *University of Tokyo, Japan* Diethard Mattanovich, *Universität für Bodenkultur Wien, Austria* Rosa Mourino-Perez, *CICESE, Mexico*

B: Genomics, Genetics and Molecular Biology

10.30-13.00 or 11.00-13.30 **Evolutionary genetics of sex in fungi Chairs:** Paul Dyer, University of Nottingham, UK Alvaro Fonseca, Universidade Nove de Lisboa, Portugal **Invited Speakers:** Geraldine Butler, University College Dublin, Ireland Hanna Johannesson, Uppsala University, Sweden Alvaro Fonseca, Universidade Nove de Lisboa, Portugal Richard Bennett, Brown University, USA

16.00-18.30

Systems biology: functional genomics to molecular networks and systems Chairs: Al Brown, University of Aberdeen, UK Brenda Andrews, University of Toronto, Canada Invited Speakers: Sharad Ramanathan, Harvard University, USA Brenda Andrews, University of Toronto, Canada Jurg Bahler, University College London, UK Edda Klipp, Humboldt University, Germany

C: Pathogenesis and Disease Control

10.30-13.00 or 11.00-13.30
Cell biology of infection
Chairs: Alex Andrianopoulos, University of Melbourne, Australia
Barbara Valent, Kansas State University, USA
Invited Speakers: Arturo Zychlinsky, Max Planck Institute, Germany
Arturo Casadevall, Albert Einstein College of Medicine, USA
Steffi Treitschke, Max Planck Institute, Germany
Barbara Valent, Kansas State University, USA

16.00-18.30 **Fungal effectors and host manipulation Chairs:** Francine Govers, *Wageningen UR, Netherlands* Gordon Brown, *University of Aberdeen, UK* **Invited Speakers:** Bart Thomma, *Wageningen UR, Netherlands* Paul Birch, *Scottish Crop Research Institute, UK* Jean-Paul Latge, *Institut Pasteur, France*

D: Evolution, Diversity and Systematics

10.30-13.00 or 11.00-13.30 Ascomycete systematics Chairs: Thorsten Lumbsch, *The Field Museum, USA* Amy Rossman, *United States Department of Agriculture, USA* Invited Speakers: Cecile Gueidan, CBS, The Netherlands Imke Schmitt, University of Minnesota, USA Martina Reblova, Academy of Science of the Czech Republic, Czech Republic Andrea Irene Romero, *Universidad de Buenos Aires, Argentina*

16.00-18.30
Fungal Tree of life: linking genomics to physiology and morphology Chairs: Mary Berbee, University of British Columbia, Canada
Franz Oberwinkler, University of Tübingen, Germany
Invited Speakers: Darren Soanes, University of Exeter, UK
Christine Cuomo, MIT, USA
Jason Slot, Vanderbilt University, USA

Joerg Kaemper, Karlsruhe Institute of Technology, Germany

E: Environment, Ecology and Interactions

10.30-13.00 or 11.00-13.30
Living on the edge: fungi at extremes
Chairs: Kevin Newsham, British Antartic Survey, UK
Sieglinde Ott, University of Dusseldorf, Germany
Invited Speakers:
Silvano Onofri, University of Tuscany, Italy
Ari Jumpponen, Kansas State University, USA
Jean-Pierre de Vera, German Aerospace Agency, Germany
Robert Blanchette, University of Minnesota, USA

16.00-18.30 Ecology of invasive and threatened species Chairs: Anne Pringle, Harvard University, USA Christoph Scheidegger, Swiss Federal Institute for Forest, Snow and Landscape Research, Switzerland Invited Speakers: Anne Pringle, Harvard University, USA Silke Werth, Swiss Federal Institute for Forest, Snow and Landscape Research, Switzerland Johan Asplund, Norweigan University of Health Science, Norway Ian Goudie, LGL, USA

Wednesday 4th August

09.00 **Plenary 3: Knowing and growing the fungal tree of life** *David Hibbett, Clark University, USA*

A: Cell Biology, Biochemistry and Physiology

10.30-13.00 or 11.00-13.30 **Cytoskeleton and motors Chairs:** TBC Xin Xiang, Uniformed Services University of the Health Sciences, USA **Invited Speakers:** Steve Harris, University of Nebraska, USA Nadine Zekert, Karlsruhe Institute of Technology, Germany Sreedhar Kilaru, University of Exeter, UK Berl Oakley, University of Kansas, USA 16.00-18.30

Hyphal networks: mechanisms, ecology and modeling Chairs: Mark Fricker, University of Oxford, UK Fordyce Davidson, University of Dundee Invited Speakers: Nick Read, University of Edinburgh, UK Lynne Boddy, University of Cardiff, UK Andre Fleissner, Technische Universität Braunschweig, Germany Fordyce A. Davidson, University of Dundee, UK

B: Genomics, Genetics and Molecular Biology

10.30-13.00 or 11.00-13.30 Genomics of fungal-plant symbioses Chairs: Daniele Armaleo, *Duke University, USA* Francis Martin, *INRA Nancy, France* Invited Speakers: Peter Young, *University of York, UK* Alga Zuccaro, *University of Giessen, Germany* Francis Martin, *INRA Nancy, France* Olafur Andresson, *University of Iceland, Iceland*

16.00-18.30 **Fungal RNA-regulatory processes Chairs:** Mark Caddick, *University of Liverpool. UK* Michael Feldbrugge, *Max Planck Institute, Germany* **Invited Speakers:** Davuid Tollervey, University of Edinburgh, UK Michael Feldbrügge, *Max Planck Institute, Germany*

C: Pathogenesis and Disease Control

10.30-13.00 or 11.00-13.30 Evolutionary adaptation of fungal pathogens to their human host Chairs: Elaine Bignell, Imperial College London, UK Jean-Paul Latge, Institut Pasteur, France Invited Speakers: Malcolm Whiteway, National Research Council, Canada Robin May, University of Birmingham, UK Antonis Rokas, Vanderbilt University, USA

16.00-18.30

Emerging fungal diseases and potential pandemics Chairs: Robin May, University of Birmingham, UK Matt Fisher, Imperial College London, UK Invited Speakers: Matteo Garboletto, University of California at Berkeley, USA Jim Krondstad, University of British Columbia, Canada Judy Chen, United States Defence Academy, USA Andrea Gargas, Symbiology, USA

D: Evolution, Diversity and Systematics

10.30-13.00 or 11.00-13.30 **Fungal barcoding Chairs:** Keith Seifert, *Agriculture & Agri-Food, Canada* Ursula Eberhardt, *CBS, Netherlands* **Invited Speakers:** Keith Seifert, *Agriculture & Agri-Food, Canada* Rob Samson, *CBS, The Netherlands* Ewald Groenewald, *Royal Netherlands Academy of Arts and Sciences, The Netherlands* TBC 16.00-18.30
Revealing true fungal diversity - metagenomics
Chairs: Irina Druzhinina, *Technical University Vienna, Austria*Gabriele Berg, *Technical University Graz, Austria*Invited Speakers: Philippe Vandenkoornhuyse, University of Rennes, France
Viviane Despres, Max Planck Institute, Germany
Irina Druzhinina, *Technical University Vienna, Austria*Steven Schmidt, University of Colorado, USA

E: Environment, Ecology and Interactions

10.30-13.00 or 11.00-13.30

Fungal recycling matters: from enzymes to communities Chairs: Björn Lindahl, *Swedish University of Agricultural Sciences, Sweden* Petr Baldrian, *Academy of Sciences of the Czech Republic, Czech Republic* **Invited Speakers:** Martin Hofrichter, *International Graduate School (IHI) Zittau, Germany* Johanna Boberg, *Swedish University of Agricultural Sciences, Sweden* Roland Marmeisse, *University of Lyon, France* Takashi Osono, *Kyoto University, Japan* Kenneth Hammel, *University of Wisconsin, USA*

16.00-18.30 Secret world of endophytes Chairs: Barbara Schulz, *Technische Universität Braunschweig, Germany* Jim White, *Rutgers University, USA* Invited Speakers: Betsy Arnold, *University of Arizona, USA* Jim White, *Rutgers University, USA* Eckhard Leistner, *University of Bonn, Germany* David Miller, *Carleton University, Canada*

Thursday 5th August

09.00 Plenary 4: Title TBC, Nick Talbot, University of Exeter, UK

A: Cell Biology, Biochemistry and Physiology

10.30-13.00 or 11.00-13.30 **Rhythmic fungal biology Chairs:** Deb Bell-Pederson, *Texas A&M University, USA* Susan Crosthwaite, *University of Manchester, UK* **Invited Speakers:** Jennifer Loros, *Dartmouth University, USA* Christian Heintzen, *University of Manchester, UK* Yi Liu, *Southwestern University, USA*

16.00-18.30 **Programmed cell death and autophagy Chairs:** Campbell Gourlay, University of Kent, UK Mark Ramsdale, University of Exeter, UK **Invited Speakers:** Frank Madeo, Medical University of Graz, Austria Heinz Osiewacz, University of Frankfurt, Germany Mark Ramsdale, University of Exeter, UK TBC

B: Genomics, Genetics and Molecular Biology

10.30-13.00 or 11.00-13.30 **Population genetics: from single cell to community Chairs:** Simon Avery, *University of Nottingham, UK* Bruce McDonald, *ETH Zurich, Switzerland* **Invited Speakers:** Paulo Ceresini, *ETH Zurich, Switzerland* Simon Avery, *University of Nottingham, UK* Louise Glass, *University of California at Berkeley, USA* TBC

16.00-18.30

Comparative evolutionary genomics and the Fungal Tree of Life Chairs: Ed Louis, University of Nottingham, UK Teun Boekhout, CBS, Netherlands **Invited Speakers:** Bernard Dujon, Institut Pasteur, France Gianni Liti, University of Nottingham, UK Jason Stajich, University of California at Riverside, USA Toni Gabaldon, Centre for Genomic Regulation, Spain

C: Pathogenesis and Disease Control

10.30-13.00 or 11.00-13.30 Stress responses, fungal development and pathogenicity Chairs: Nick Talbot, University of Exeter, UK Rich Calderone, Georgetown University, USA

16.00-18.30 **The emergence of resistance to antifungal drugs Chairs:** Ted White, University of Washington, USA Naweed Naqvi, Temasek Life Sciences Laboratory, Singapore **Invited Speakers:** Marc-Henri Lebrun, Bayer Crop Science, USA Matthias Hahn, University of Kaiserslautern, Germany Leah Cowen, University of Toronto, Canada Rajendra Prasad, Jawaharlal Nehru University, India

D: Evolution, Diversity and Systematics

10.30-13.00 or 11.00-13.30 Basidiomycete biodiversity, ecology and mechanisms of host interaction Chairs: Urmas Kõljalg, University of Tartu, Estonia Michael Weiss Invited Speakers: Karl-Henrik Larsson, University of Oslo, Norway Leho Tedersoo, University of Tartu, Estonia Annemieke Verbeken, University of Ghent, Belguim Duur Aanen, Wageningen UR, The Netherlands

16.00-18.30

Rusts: taxonomy, host specificity and geographical distribution Chairs: Reinhard Berndt, ETH Zurich, Switzerland Stephan Helfer, Royal Botanical Gardens, Edinburgh, UK Invited Speakers: Ralf Voegele, *University of Konstanz, Germany* Mary Aime, Louisiana State University, USA

E: Environment, Ecology and Interactions

10.30-13.00 or 11.00-13.30
Fungal interactions with microbes
Chairs: Martin Grube, University of Graz, Austria
Susanne Zeilinger, Technical University Vienna, Austria
Invited Speakers: Pascale Frey-Klett, INRA Nancy, France
Gabriele Berg, Technical University Graz, Austria
Paola Bonfante, Consiglio Nazionale delle Ricerche, Italy
Matteo Lorito, Università degli Studi di Napoli Federico II, Italy

16.00-18.30
Biocontrol with fungi
Chairs: Tariq Butt, University of Swansea, UK
Michael Brownbridge, Vineland research & Innovation Centre, Canada
Invited Speakers:
Nicolai V. Meyling, Royal Veterinary and Agricultural University (KVL), Denmark
Fernando Vega, United States Defence Academy, USA
Ray St Leger, University of Maryland, USA
Diane Leemon, Queensland Government, Australia

Friday 6th August

09.00 **Plenary 5: Nutritional and evolutionary ecology of Mycorrhizal fungi** *Alastair Fitter, York University, UK*

A: Cell Biology, Biochemistry and Physiology

10.30-13.00 or 11.00-13.30 **The dynamic fungal cell Chairs:** Nik Money, *Miami University, USA* Gero Steinberg, *University of Exeter, UK* **Invited Speakers:** Magdalena Martin-Urdiroz, *University of Exeter, UK* Susan Kaminskyj, *University of Saskatchewan, Canada* Nik Money, *Miami University, USA* Dan Mulvihill, *University of Kent, UK*

B: Genomics, Genetics and Molecular Biology

10.30-13.00 or 11.00-13.30

Secondary metabolism Chairs: Gillian Turgeon, Cornell University, USA Stefan Rokem, Hebrew University of Jerusalem, Israel Invited Speakers: Gillian Turgeon, Cornell University, USA Motoichiro Kodama, Tottori University, Japan Barry Scott , Massey University, New Zealand

C: Pathogenesis and Disease Control

10.30-13.00 or 11.00-13.30 **The fungal-plant interface in mycorrhizal and lichen associations Chairs:** Rosmarie Honegger, *University of Zurich, Switzerland* Paola Bonfante, *Consiglio Nazionale delle Ricerche, Italy* **Invited Speakers:** Andrea Genre, *University of Turin, Italy* Suzanne Joneson, *Duke University, USA*

D: Evolution, Diversity and Systematics

10.30-13.00 or 11.00-13.30 **Tropical mycology Chairs:** Gareth Jones, *Biotec, Thailand* Marieka Gryzenhout, *University of Pretoria, South Africa* **Invited Speakers:** E.B. Gareth Jones, *Biotec, Thailand* Jean Lodge, *United States Defense Academy, USA* Eric McKenzie, *Lancare Research, New Zealand* David Minter, *Cabi International, UK*

E: Environment, Ecology and Interactions

10.30-13.00 or 11.00-13.30 Exploitation of fungi: biofuels and beyond Chairs: Louise Glass, University of California at Berkeley, USA David Archer, University of Nottingham, UK Invited Speakers: TBC

16.00-17.00 **Plenary 6: Unlocking the fungal treasure box** *Nancy Keller, University of Wisconsin at Madison, USA* 17.00-17.30 Closing ceremony Usher Hall 20.00-late Conference Party

New member

Paul F. Cannon, CABI Europe UK Centre, Bakeham Lane, Egham, Surrey TW20 9TY; Email: p.cannon@cabi.org

PERSONALIA

Jeremy Gray, former teacher and master at Taunton School and a very active member of the British Lichen Society, died on 11 March 2009. Internationally he will be best remembered for his excellent lichen photographs found in many publications, such as the cover of the recently published *Lichens of Great Britain and Ireland*. His obituary appeared in *British Lichen Society Bulletin* 104: 100-102 (2009).

The well-known Polish lichenologist **Józef Kiszka** died on 24 March 2007. A full obituary with photographs and a bibliography containing more than 150 lichenological papers has been published in *Wiadomości Botaniczne* **51** (3/4): 78-91 (2007).

Harrie Sipman (Berlin) has reached the age of compulsory retirement but keeps a working space in the Botanical Museum to continue his lichen work. Currently his focus is on herbarisation of his own and other collections, in order to ensure availability for future research. During treatment of Follmann specimens several new species from Chile were discovered, which are now in manuscript stage. Work for the Flora of the Guianas has been resumed with sorting of collections from southern Guyana and manuscript work on Cladoniaceae, together with Ted Ahti, and Parmeliaceae. Currently Tahereh Valadbeighi from Tehran is visiting for three months to identify her lichen collections fron Iran. So far various new records for Iran were recognized, and probably two new species. Harrie will continue to take care of the lichen herbarium until a successor is appointed.

NEWS

New literature:

ABBOTT, B. F. M. (2009): Checklist of the Lichens and Lichenicolous Fungi of Greece. – Bibliotheca Lichenologica 103. – J. Cramer in Gebr. Borntraeger Verlagsbuchhandlung, Berlin & Stuttgart. 368 pages. Paperback. ISBN 978-3-443-58082-7, Price: 94.00 Euro.

A checklist for Greece fills a real gap and is therefore a most useful addition to every honest lichen library. But there are many other reasons why this one is especially welcome. It is the first one ever published despite the fact that the oldest information on Greek lichens is available from the classical authors (esp. Theophrastus) more than 2000 years ago. To date there has never been a Greek school of lichenology, most work being undertaken by foreign travellers, leading to widely scattered literature published in many different languages over the last 300 years. Although the present author is also a foreigner to Greece, he has lived there for several years and knows the country and its language. As no overview of the Greek lichen flora and Greek lichenology existed, he took it upon himself to prepare an alphabetical checklist supported by literature sources for every accepted species. As a result, there are now 1296 accepted taxa, with a further 169 presently not accepted for various reasons (always explained). This is a sound base for further work. The author includes his own records from the Peloponnese. Information on the occurrence of every species is listed acccording to subdivisions of main geographical regions and the various islands. It is clear that there are still islands in need of lichenological exploration.

In his introduction the author presents a detailed history of Greek lichenology, including personal valuations of many papers. Here one can spot some minor mistakes or omissions, e.g. p. 11 "the Austrian botanist Ferdinand Arnold" was in fact German or p. 17 a small section on "A Dr. C. Regel" who was the well known botanist Constantin von Regel (1890-1970). The main checklist is followed by 40 pages of synonyms and another 40 pages of Greek place names. The latter is a most valuable addition because it provides much information for geographical names published in the papers scanned for this list which are very difficult to find or to locate without an intimate knowledge of Greece and Greek history because many names have changed or have been used in various spellings etc. Then follows a detailed list of 58 recording sites by the author, which allows him to list his own records as one literature reference. Finally a list of references is given which is followed by a short list of further possible references which the author was not able to see, among which are some difficult to obtain schedae of exsiccati and some papers by Greek authors published in Greece. As regards the completeness of the evaluated literature, I found to my surprise that about 10 papers which appear by searching Recent Literature on Lichens by the keyword Greece are not included, among them Calatayud, V., Navarro-Rosinés, P. & J. Hafellner (2002): A synopsis of Lichenostigma subgen. Lichenogramma (Arthoniales), with a key to the species. - Mycological Research 106(10): 1230-1242, which adds Lichenostigma rouxii Nav.-Ros., Calatayud & Hafellner to the present checklist.

Despite these reservations, nobody else would have been able at this time to bring together so much valuable information for those prepared to study the lichen flora of such a large but still under-recorded area. **BURGAS, A. R. & T. AHTI (2009): Cladoniaceae.** – Flora Liquenológica Ibérica 4. – Madrid: Sociedad Española de Liquenología (SEL). – 111 pages. Paperback. Without ISBN. Price: 10 Euro (For ordering see http://www.ucm.es/info/seliquen/nt.htm).

The fourth volume of the on-going lichen flora of the Iberian Peninsula is devoted to the family Cladoniaceae which includes *Pycnothelia (papillaria)* in addition to 80 species of *Cladonia*. Within *Cladonia uncialis* two subspecies (*uncialis* and *biuncialis*) are separated whereas all other taxa which had been treated sometimes at infraspecific ranks (e.g. *C. floerkeana, C. mitis , C. ochrochlora* or *C. subrangiformis*) are now accepted at species level. All species of the *Cladonia chlorophaea/pyxidata*-complex which are mainly defined by chemical compounds are accepted (e.g. *C. merochlorophaea, C. novo-chlorophaea*) and are separated in the key by the usual colour reactions and morphology only. The other decision based purely on compounds is between *C. asahinae* (with rangiformic acid) and *C. chlorophaea* (without) at the very last step of the key.

The format is mainly in accordance with the previous issues: distribution is given according to provinces (1 for Andorra, 11 for Portugal and 52 for Spain) which are explained on a map on page 6. The Balearic Islands are included whereas all Atlantic islands belonging politically to Spain or Portugal are for good reasons excluded. However, in contrast to the former parts, 82 dot maps show the known distribution of all taxa treated, and all accepted taxa are illustrated with line drawings by J. L. Castillo which is certainly of great help. One weak point I see is the rather limited number of synonyms included, even if they had been used for Spanish material e.g. *C. endiviaefolia*, for which also a distribution map on Mallorca is included in the *Flora Balearica* by KNOCHE (1921). Nevertheless, it is certainly another step forward in the knowledge of the lichen flora of the Iberian Peninsula and we hope for the continuation of this series at the same pace.

The Editor

CZYŻEWSKA, K. & M. KUKWA (2009): Lichenicolous Fungi of Poland. A Catalogue and Key to Species. – Biodiversity of Poland 11. – Kraków: W. Szafer Institute of Botany, Polish Academy of Sciences. – 133 pages. Paperback ISBN: 978-83-89648-76-1. Price: 30.00 Euro.

Only six years after the publication of W. Fałtynowicz's annotated checklist The Lichens, Lichenicolous and Allied Fungi of Poland in the same series (vol. 6) this new list concentrates on lichenicolous fungi in the broadest sense as it not only includes fungi growing on lichens as parasites or parasymbionts, but also lichenicolous lichens (27 species) and mycetozoa found on lichens (6 species). A major reason for publishing the new checklist is the increased knowledge of these fungi in Poland. The number of lichenicolous fungi in the 2003 checklist was 154, plus 4 lichenicolous myxomycetes. The present list comprises 249 species, of which 216 are lichenicolous fungi. The second valuable new feature is the provision of keys for all taxa treated. It is the first time that such keys are provided for Poland and it will certainly increase interest in these fungi. As the whole book is written in English it will also be of considerable value for neighbouring countries where keys for lichenicolous fungi have been hitherto unavailable; the difficulties for such use lay mainly in the incomplete knowledge of these fungi and the consequent differences in the known floras. An index of hosts and their synonyms, with fungi found on their thalli is also provided. The present list will soon become outdated by additional species found in the area, but nevertheless it will be the most valuable tool for reaching that goal.

ERTZ, D. (2009): Revision of the corticolous *Opegrapha* species from the **Palaeotropics.** – Bibliotheca Lichenologica 102. – J. Cramer in Gebr. Borntraeger Verlagsbuchhandlung, Berlin & Stuttgart. 176 pages, 124 figures. Paperback. ISBN 978-3-443-58081-0, ISSN 1436-1698. Price: 73.00 Euro.

The knowledge of many crustose lichen genera in the Paleotropics, especially in Africa, is still rather poor. The author of the present monograph has tried to improve this situation by his own collecting trips to Bénin, Gabon, Rwanda, Zambia and La Réunion and now by monographing the corticolous lichenized species of *Opegrapha*. This monograph is very much done in the classical way using morphological and chemical characters, although the author explains that recent molecular studies might lead to a changed concept of the genus. The genus is used in the traditional circumscription and all available species from the Palaeotropics, with additional types from other parts of the world, have been studied. Lichenicolous species are excluded, but are mentioned especially in cases where they had been described as lichens (e.g. O. agelaea Fée). Finally 45 species are accepted for the region, eight of which are described as new to science. On the other hand, 31 names are found to be synonyms of accepted species, a further six species had to be combined into the genera Arthonia, Enterographa, Lecanographa and Patellaria, and three species previously described as lichens proved to be lichenicolous fungi. All accepted species are fully described and illustrated by photographs and line drawings. Some cosmopolitan species (e.g. O. viridis or O. vulgata) are also included here. For every species, the know distribution in the Palaeotropics is mapped; these maps, as well as the fact that a considerable number of accepted species are only known from the type or from two localities far away from each other (e.g. O. bicolor from USA and Rwanda) demonstrate how much has to be done to gain a better knowledge of this genus. However, this book provides a firm foundation on which to build future floristic studies.

The Editor

GNÜCHTEL, A. (2009): Rote Liste Flechten Sachsens. (2. überarbeitete Auflage) – 56 pages. Dresden: Sächsisches Landesamt für Umwelt, Landwirtschaft und Geologie. Paperback. Price: Free. (Available from: Zentraler Broschürenversand der Sächsischen Staatsregierung, Hammerweg 30, D-01127 Dresden, Email: Publikationen@sachsen.de)

Lichenologists working in Central Europe will be interested to see another red list and checklist for German lichens, this time for Saxony. It is the second revised edition after 13 years and it is remarkable how things have changed. Saxony in the south of East Germany, bordering Czech Republic and Poland, was among the most severely polluted areas in Europe, as reflected by the inclusion of such species as *Parmelia sulcata* and *Xanthoria parietina* in the highly endangered category in the 1996 edition – now fortunately, due to recovery, no longer red-listed at all. Despite its title, this red list includes a full checklist of the lichenized and lichenicolous fungi of the province.

The Editor

MCCUNE, B. & L. GEISER (2009): Macrolichens of the Pacific Northwest. (2nd edition, revised and expanded) – Corvallis: Oregon State University Press. – xl + 464 pages. Paperback ISBN: 978-0-87071-565-5, Price: 30.00 USD.

12 years after the first edition of this flora, this considerably extended version has appeared. After an introduction of 40 pages, it contains keys, descriptions and illustrations of all macrolichens in the states of Oregon and Washington, thus covering many species occurring in northwestern North America. Compared to the first edition, the number of species included has grown by 116, and now covers 586 species in 113 genera. Much of the value of the book, and certainly a strong selling point, are the illustrations by photographs and line drawings; these have increased by 176, mainly of photographs of species not illustrated before or of photographs of taxonomically important details now presented as insets of general photographs of particular lichens. This will certainly become much appreciated by users struggling with minor differences between related species. The book concludes with an appendix on nomenclature, which is a table of accepted species names and their most relevant synonyms. Common names are only used or sometimes introduced for genera in this table. The number of references has increased considerably and the illustrated glossary of 11 pages has slightly been extended.

As regards the introduction, this now provides the usual chapters on lichens in general, their special morphology, their collection and determination which were to be found in the appendices of the first edition. There is also a much extended illustrated chapter on *Lichens and Air Quality* which includes a table of *Air Quality Ratings for Pacific Northwest Lichens* with ratings for SO₂ in three categories (sensitive [tolerating 5-15 ppb average annual SO₂], intermediate [tolerating 15-30 ppb average annual SO₂] and tolerant [tolerating over 30 ppb average annual SO₂]), for N in three similar defined categories, for N requirement, and for nitrogen deposition (in kg/ha/yr) found at the point along a transect where the lichen is most frequently detected. The resulting scales may well prove valuable for ecological evaluations.

To summarize, this is a much improved edition that provides for those, both amateur and professional, working with lichens, a valuable foundation on which to build their knowledge of lichens.

The Editor

SIPMAN, H. J. M., J. A. ELIX, & T. H. NASH (2009): *Hypotrachyna* (Parmeliaceae, Lichenized Fungi). – Flora Neotropica Monograph 104. – New York: New York Botanical Garden Press. –179 pages. Hardback ISBN-10: 0-89327-502-6, ISBN-13: 978-0-89327-502-0, ISSN: 0071-5794, Price: 48.00 USD.

Hypotrachyna was among the few genera which had previously been monographed for tropical America (Hale 1975, Smithsonian Contr. Bot. 25) prior to the *Flora Neotropica Monograph* series. Now, nearly 35 years later, a new monograph has been published by the combined efforts of three leading lichenologists: the result is somewhat surprising, because 140 species are recognized from the Neotropics compared to 77 species accepted by Hale. Some changes have also occurred in the delimination of the genus and 37 species are described as new to science. Hence the need for a new monograph, but it was due to Hale's work that interest in this genus was fostered, resulting in the availability of so much more material. Today, tropical South America is regarded as the main centre of diversity

for *Hypotrachyna*, especially in the montane belt where more than 120 of the 230 estimated species worldwide exist.

The introduction contains not only the usual chapters on the history, morphology and anatomy, but also focuses on chemotaxonomy which is of major importance in the delimination of taxa in this genus. This includes a table of TLC data for *Hypotrachyna* metabolites and lists of species under every one of the 49 different major or submajor secondary products detected, 20 of which occur in only one species, whereas protocetraric acid is known from 22 species. The monograph follows the standard layout of the series with full descriptions of all accepted species. Photographical illustrations are provided for all newly described species whereas for the rest of the species, illustrations from other sources are cited, especially from Hale's monograph mentioned above. Selected species examined are listed and distributions are mapped. With more than half of all known species included, the new monograph will be a great help for everybody trying to determine tropical *Hypotrachyna* collections. The reasonable price for this nicely hardbound volume will certainly allow its wide distribution.

The Editor

ZECH, H. (2008): Flechten- und Moosflora der Blockhalde "Weiße Steine" bei Lohr am Main. Ökologische und ökophysiologische Untersuchungen mittels Bildverarbeitungssoftware und PAM (Puls-Amplitude-Modulation-Fluorometer). – Saarbrücken: VDM Verlag Dr. Müller. – 104 pages. Paperback ISBN: 978-3-639-02477-7, Price: 49.00 Euro.

This diploma thesis, done at the Technical University of Kaiserslautern under the guidance of B. Büdel, surveys 28 lichens and 9 bryophytes found in a small study area, a natural scree influenced by the shade of surrounding beech forest. The phytosociological analysis revealed the following lichen communities: Pertusarietum corallinae, Leprarietum chlorinae and rarely Lecideetum lucidae. Measurements of photosynthetic activities by PAM are compared for different seasons to demonstrate the potentials of this method; however, most measurements have been made during winter. At this time, no differences have been found in photosynthetic useage of the available light by light-loving species of the Pertusarietum corallinae in the centre of the scree and more shade tolerant species at the edge of it.

This paper is officially published as a monograph and can be ordered from the publisher; it will then be printed on demand, but unfortunately at a relatively high price. The good news is that these publications have to be stored at the German National Library as an electronic resource and thereby becoming permanently available. In respect of the interesting methodology applied in this paper there might be some international interest, but unfortunately no English abstract is given. A short German abstract of this paper is also available at http://www.uni-kl.de/FB-Biologie/Botanik/diplomarbeiten_2005-2007.htm#h-zech.

The Editor

REPORTS

Relocation of the Lichen Herbarium of the Komarov Botanical Institute (LE) following renovation

The Lichen Herbarium of the Komarov Botanical Institute (St. Petersburg, Russia), a subdivision of the Laboratory of Lichenology and Bryology, is the oldest and largest in Russia. It was founded in 1898 by the famous Russian cryptogamist Alexander A. Elenkin on the basis of lichen collections kept in the St. Petersburg Botanical Garden and the Botanical Museum of the Russian Academy of Sciences. Recently the Lichen Herbarium and the Laboratory were moved to refurbished rooms. The process, which consisted of several stages, took more than three years and considerably disturbed our work. Thankfully the work is now complete! The Lichen Herbarium and the lichenological subdivision of the Laboratory now occupy five large rooms on the second floor, with a total area of 180 m², of the opposite wing of the same 160 year-old building.

The main collection of more than 430000 specimens is situated in the largest room (60 m^2) and partly in an adjacent room in 22 tri-level wooden cabinets almost 3 m high. The collection is alphabetically ordered, with an uncritical list of 5693 species available. The type herbarium of 600 taxa is kept separately, and a database of all ascertained type speci-



The main lichen herbarium

mens has been produced. A large quantity of non-inserted material, both identified and unidentified, is contained in more than 750 labelled cardboard boxes; however, a search for required material in the boxes is possible using a database. Desks for work with collections, an internet terminal and two working places for visitors are available within the herbarium room. There are also working places, equipped with necessary microscopes and internet access facilities, for staff and visitors in adjacent rooms. The library is situated in the Head of the Laboratory's room, but most commonly used literature is kept in the working rooms.

Not everything is organized yet; the collections are only partly arranged according to modern nomenclature and many herbarium covers need to be changed. The TLC laboratory on the first floor of the same building needs renovation and will hopefully be repaired during the coming year. Nevertheless, the Herbarium is now in much better condition than before and can receive visitors. Unfortunately there is no guestroom at the laboratory or the Institute, but reasonable priced hotels are available nearby.

The lichenological group consists of eight scientists: Mikhail Andreev (Head and Curator), Aleksey Dobrysh, Darja Erastova, Ludmila Gagarina, Dmitry Himelbrant, Olga Kataeva, Ekaterina Kuznetsova and Irina Urbanavichene, who are investigating the taxonomy and lichen flora of different areas, mainly Arctic,



north-western and middle parts of European Russia, North Caucasus, Urals, western and southern Siberia, Kamchatka and Antarctica. Currently, the main project of the laboratory is the multi-volume edition of the Russian Lichen Flora.

For more information please visit our website on www.binran.ru and if you would like to visit our Herbarium please e-mail us at: *andreevmp@yandex.ru* or *lichenbin@yandex.ru* or write to: Laboratory of Lichenology & Bryology, Komarov Botanical Institute of the Russian Academy of Sciences, Prof. Popov str. 2, 197376 St. Petersburg, Russia.

Mikhail Andreev

REVIEWS

Northwest Lichenologists certified in field lichenology

Please join me in congratulating the following people who were recently certified in field lichenology for macrolichens in the Pacific Northwest:

Richard Brock, Jason Clark, Amanda Hartman, Scot Loring, Kristi Mergenthaler, Jesse Miller, Peter Nelson & Gretchen Vos.

The exam is not easy, so this is definitely an accomplishment worth noting. Once again, **Daphne Stone** served as the examiner.

If you are learning your lichens and would like to demonstrate your skills, the next opportunity will probably be in two years (2011). Note also that at that time, we will have passed 10 years of the certification program, and 10 years of the existence of Northwest Lichenologists. At this point we have 32 certified people. Never let it be said that there is no one around who knows lichens!

Perhaps we will have some old hands show up at the next certification, because as laid out in the NWL rules, certification expires after 10 years. In that first year (2000), 11 people were certified (http://home.comcast.net/~nwlichens/certified.htm)

We hope to see some of you next time!

I should add that a number of people attended the certification more as a training. This is a great way to test and develop your skills. We would like to encourage more people to participate in that way in the future. If you are interested in becoming certified, please see the information on the NWL website (www.nwlichens.org).

Bruce McCune

Lichenology Seminars at the Humboldt Institute

Lichen Chemistry: Spot Tests and TLC in Lichen Identification Jun 6 - 12 (Scott LaGreca and Thorsten Lumbsch)

Sterile Crustose Lichens: An Introduction with Special Emphasis on Identification Jun 13 – 19 (James C. Lendemer)

Lichens and Lichen Ecology

Aug 15 – 21 (David Richardson & Mark Seaward)

Crustose Lichens: Identification Using Morphology, Anatomy, and Simple Chemistry Aug 22 - 28 (Irwin M. Brodo)

2011 seminars will be posted in mid-December of 2010.

Descriptions of seminars may be found at http://www.eaglehill.us/programs/nhs/nhs-calendar.shtml

For more information, please contact the Humboldt Institute, PO Box 9, Steuben, ME 04680-0009. Phone 207-546-2821. Fax 207-546-3042; E-mail - mailto: office@eaglehill.us

Online general information may be found at http://www.eaglehill.us

Anne Favolise-Stanton, Humboldt Field Research Institute, Steuben (ME)

List of Societies

- Australasia: Australasian Association for Lichenology. Info: W.M. Malcolm, Box 320, Nelson, New Zealand. Phone & fax: (+64) 3-545-1660, e-mail: nancym@clear.net.nz
- Brazil: Grupo Brasileiro de Liquenólogos (GBL). Info: Marcelo P. Marcelli, Instituto de Botânica, Seção de Micologia e Liquenologia, Caixa Postal 4005, São Paulo – SP, Brazil 01061-970. Fax: (+55)-11-6191-2238, phone: (+55)-11-5584-6304 (inst.), 218-5209 (home), e-mail: *mmarcelli@sti.com.br*
- Central Europe: Bryologisch-lichenologische Arbeitsgemeinschaft für Mitteleuropa (BLAM). Contact: Norbert J. Stapper, e-mail: *nstapper@t-online.de*, web page: home.t-online.de/home/blam-ev/home.htm
- Czech Republic: Bryological and Lichenological Section of the Czech Botanical Society. Info: Jiří Liška, Institute of Botany, Academy of Sciences of the Czech Republic, CS-252 43 Pruhonice, Czech Republic, e-mail: *liska@ibot.cas.cz*
- Finland: Lichen Section, Societas Mycologica Fennica. C/o: Botanical Museum (Lichenology), P.O. Box 47, FIN-00014 Univ. Helsinki, Finland. Info: Teuvo Ahti, phone: (+358)-9-7084782, fax: (+358)-9-7084830, e-mail: *teuvo.ahti@helsinki.fi*
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- Great Britain: The British Lichen Society (BLS). C/o: Department of Botany, The Natural History Museum, Cromwell Road, London SW7 5BD, UK. Info: Pat Wolseley, phone: (+44)-20-7942-5617, fax: (+44)-20-7942-5529, e-mail: *bls@nhm.ac.uk*, web page: www.theBLS.org.uk
- Italy: Società Lichenologica Italiana (SLI). C/o: Museo Regionale di Scienze Naturali di Torino, v. Giolitti, 36, I - 10125 Torino. Info: Stefano Loppi, Dipartimento di Science Ambientali "G. Saratti", Sezione di Ecologia e Sistematica Animale e Vegetale, Unità di Ricerca di Lichenologia, Università degli Studi di Siena, Via P.A. Mattioli 4, I-53100 Sienna, phone: (+39)-0577-232869, fax: (+39)-0577-232896, e-mail: loppi@unisi.it, web page: http://dbiodbs.univ.trieste.it/sli/home.html
- Japan: The Japanese Society for Lichenology (JSL). Info: Yoshikazu Yamamoto, Secretary of JSL, Akita Prefectural University, Shimoshinjyo-nakano, Akita, 010-0195 Japan, fax (+81)-18-872-1678, e-mail: yyamamoto@akita-pu.ac.jp Lichenological Society of Japan (LSJ). Nobuo Hamada, Secretary of LSJ, Osaka City Institute of Environmental Sciences, Tojo 8-34, Tennoji, Osaka 543-0026, Japan, email: MXI00715@nifty.com
- **The Netherlands**: Dutch Bryological & Lichenological Society (Bryologische + Lichenologische Werkgroep, BLWG). Info: Dick Kerkhof, e-mail: *info@blwg.nl*, web page: **www.blwg.nl**
- Nordic Countries: Nordic Lichen Society (Nordisk Lichenologisk Förening, NLF). Info: Ulrik Søchting, Dept. of Mycology, Botanical Institute, Ø. Farimagsgade 2D, DK-1353 Copenhagen; phone: (+45)-3532-2313, fax: (+45)-3532-2321, e-mail: *ulriks@bot.ku.dk*, web page: www-hotel.uu.se/evolmuseum/fytotek/NLF/
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- North America, Northwest: Northwest Lichenologists (NWL). Info: Bruce McCune, 1840 NE Seavy Avenue, Corvallis, Oregon 97330 USA. E-mail: *Bruce.McCune@science.oregonstate.edu*, web page: www.nwlichens.org (To get on the e-mail list, follow the links from <www.nwlichens.org>
- North America, California: The California Lichen Society (CALS). P.O. Box 472, Fairfax, CA 94930, U.S.A. Info: Janet Doell, e-mail: *rdoell@sbcglobal.net*, web page: ucjeps.herb.berkeley.edu/rlmoe/cals.html
- North America, East: Eastern Lichen Network. Info: Marian Glenn, fax: (+1) 973-761-9772, e-mail: glennmar@shu.edu
- South America: Grupo Latino Americano de Liquenólogos (GLAL). Info: Susana Calvelo, Centro Regional Universitario Bariloche, Universidad Nacional del Comahue, Bariloche- 8400, Río Negro, Argentina; phone: (+54) 944-23374 or 28505, fax: 62215 or 22111, e-mail: *scalvelo@crub.uncoma.edu.ar*
- Poland: Lichenological Section of the Polish Botanical Society. (Polskie Towarzystwo Botaniczne). C/o: Krystyna Czyzewska, Department of Algology and Mycology, University of Lodz, Banacha 12/16, 90-237 Lodz, Poland, e-mail: czyzew@biol.uni.lodz.pl; Info: Urszula Bielczyk, Institute of Botany, Polish Academy of Sciences, Lubicz 46, 31-512 Krakow, Poland, phone: (+48) 12-4241768, fax: (+48) 12-4219790, e-mail: bielczyk@ib-pan.krakow.pl
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- Switzerland: Association Suisse de Bryologie et Lichénologie (BRYOLICH). Info: Silvia Stofer, WSL, Zuercherstrasse 111, CH-8093 Birmensdorf. E-mail: *stofer@wsl.ch*
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The cover-page illustration

Leptogium gelatinosum by Lucy C. Taylor, first published in *American Arctic Lichens*, Vol. 1 under the name *L. sinuatum*.