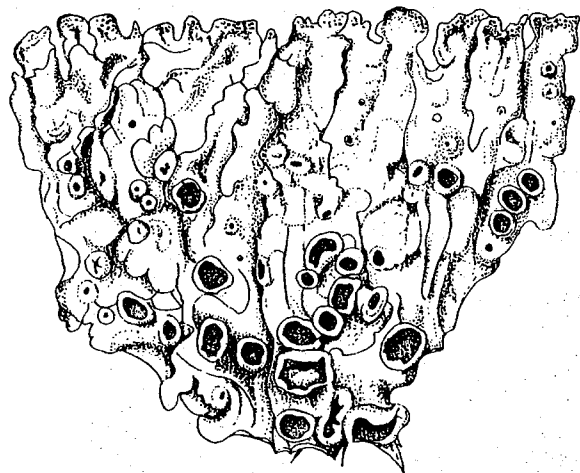


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IAL membership is open to anyone who has an active interest in the study and use of lichens. The subscription is US \$ 20.00 or DM. 30.00 for a four-year period. Subscriptions should be sent to the Treasurer or Deputy Treasurer:

H. Thorsten Lumbsch, Fachbereich 9/Botanik, Postfach 103 764, D-45141 Essen, Germany. Please transfer the equivalent in Deutschmarks (DM 30.00) to the following postal giro account: 1344 59-431 at the Post Office Essen (Bank code 360 100 43). Cheques will not be accepted, unless they are made payable to DM 36, since otherwise the bank fees will overstretch the IAL budget!

North American members can send their subscriptions to:

Clifford W. Smith, University of Hawaii at Manoa, Department of Botany, 3190 Maile Way, Honolulu, HI 96822, USA. Cheques should be made payable to International Association of Lichenologists.

or (for british members) to: T.H. Moxham, Mayfair House, 21 Ashgrove, Peasedown St. John, Bath, Avon, BA2 8EB, U.K. (subscription price £13.00)

IAL affairs are directed by an Executive Council elected during the last General Meeting. Council members elected at the IAL 2 symposium (Lund, Sweden, 1992) are listed below and will serve until 1996.

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Members-at-Large: Paula DePriest (Washington, USA), Gintaras Kantvilas (Hobart, Australia), Bruce McCune (Corvallis, USA), Wendy Nelson (Wellington, New Zealand), Pier-Luigi Nimis (Trieste, Italy), Sieglinde Ott (Düsseldorf, Germany), Tiina Randlane (Tartu, Estonia), Leopoldo Sancho (Madrid, Spain), Gernot Vobis (Bariloche, Argentina), Dirk Wessels (Petersburg, South Africa), Hiroyuki Kashiwadani (Tsukuba, Japan).

RESEARCH NEWS & NOTES

Brodo, Irwin (Ottawa, Canada) and Steve and Sylvia Sharnoff (Berkeley, USA) had a successful field trip down the northeast coast of the USA and into the Appalachians in October. They were gathering photographs for their illustrated guidebook to the lichens of North America, now well under way. The projected date for manuscript completion is now July 1996, assuming no major obstacles or delays.

Hansen, Eric Steen (Copenhagen, Denmark) spent five weeks in July and August 1994 in the Zackenberg area, North East Greenland, participating in the ZERO program (Zackenberg Ecological Research Operations - a Danish contribution to Global Change research). Assisted by Michael Andersen, he made numerous vegetation analyses, established permanent sample plots in both epilithic and epigeic lichen vegetation and collected extensive reference lichen material. The preparation of "Lichenes Groenlandici Exsiccati" fasc. XI is now finished and it will be distributed next summer. Together with Steen N. Christensen, Eric has started to prepare a new exsiccate, "Lichenes Danici Exsiccati". Fasc. I will contain 25 taxa and will be distributed to 20 herbaria in 1995.

Heidmarsson, Starri (Uppsala, Sweden) began studies for a PhD thesis last autumn at the Department of Systematic Botany, Uppsala University,

entitled "Phylogeny and taxonomy of *Dermatocarpon*", supervised mainly by Leif Tibell. The main problems to be solved are: 1. Is *Dermatocarpon* s. str. a monophyletic group or composed of foliose pyrenocarpous lichens from different evolutionary lines? 2. What relation has *Dermatocarpon* s. str. to the rest of the *Verrucariaceae*? He also aims to clarify the taxonomy at species level. Traditional morphologic and anatomic methods will be used, spore and perithecium ontogeny investigated, and TEM and SEM studies of morphology and anatomy carried out. In addition, cultivation will be tried and a cladistic analysis done. As a start, material from the Nordic countries will be examined, and field work in Sweden is planned for next summer, on the Faeroe Islands and in Iceland. Later on the studies will be extended to other parts of the world with field work in Central Europe and hopefully in other places as well.

Kondratyuk, Sergey (Kiev, Ukraine) spent four months at the BM, with financial support from the Royal Society. He made anatomical and morphological investigations of lichenicolous fungi on *Lobaria*, *Pseudocyphellaria* and *Sticta*, using BM collections and material on loan. Variability of morphological characters of *Caloplaca* and *Xanthoria* species, mainly from the Southern Hemisphere, was studied by light microscopy and SEM. Some new

genera and species of lichenicolous fungi and lichens were described, and lichen collecting was done in North Yorkshire and Scotland. Sergey wants to express his deep and sincere thanks to David Galloway, who made this all possible, and to his wife Patricia for her warm hospitality. Also gratefully acknowledged for their great help are the staff of the Department of Botany at the BM, in particular William Purvis, Pat Wolseley and Peter James; the visiting lichenologists Gintaras Kantvilas and Per-Magnus Jørgensen; M. Dowlen, N. Turland, Chris and July Wilson, who helped with the field trip to North Yorkshire; A. M. O'Dare and B. J. Coppins for the field trip to Scotland; and the staff of the herbaria who sent specimens on loan: T. Ahti (Helsinki), E. Horak (Zürich), K. Ammann (Berne), P. Clerc (Geneva), H. Sipman (Berlin), B. Macmillan (Lincoln, New Zealand).

Laundon, Jack (Morden, England) is currently writing a paper on the publication and typification of J. E. Smith's lichens. Articles on the nomenclature of the ciliate species of *Physcia* and some *Sticta* species have recently been submitted to *Taxon*. An historical paper on the formation of the British Lichen Society has also been completed. Taxonomic work on *Lecanora* is continuing, especially on the *L. varia* group.

Motiejunaite, Jurga (Vilnius, Lithuania) spent a month at the Botanical Institute, University of Copenhagen, supported by the Nordic-Baltic Scholarship Scheme. Here she had a splen-

did time working in the herbarium on the European lichen collections and studying vast amounts of lichenological literature. She wishes to express her sincere gratitude to Dr. Ulrik Søchting, Head of the Department of Mycology and Phycology, for his support in obtaining the scholarship, for warmth and hospitality during the stay and also for the marvellous excursions to North Jutland and Romsø island. Warm welcome and invaluable help was also received from Eric Steen Hansen, Vagn Alstrup, M. Skyte Christiansen and Steen Christensen.

Nordin, Anders (Uppsala, Sweden) started work last autumn for a PhD thesis at the Department of Systematic Botany, Uppsala University, on the taxonomy and phylogeny of the *Diplo-tomma*-group of *Buellia*; his supervisors are **Leif Tibell** and **Roland Moberg**, and **Christoph Scheidegger**, Switzerland, is also involved. At the moment species from the Nordic countries are being studied, and in the near future the scope will be widened to include the rest of the world. The aim is to clarify the taxonomy at species level and to find out if the group is monophyletic. Traditional morphologic and anatomic methods will be used as well as TEM and SEM studies and cladistic analyses. Field studies have so far mainly been restricted to Sweden, but in the future they will be extended to all relevant parts of the world.

Randlane, Tiina (Tartu, Estonia) and **Andres Saag** (Tartu University), in collaboration with colleagues from Lund University (Sweden), continue their

studies on the cetrarioid lichens, currently with special emphasis on the species with globose ascospores (genera *Ahtiana*, *Alloctraria*, *Esslingeria*, *Tuckermannopsis*, *Tuckneraria*). Together with Arne Tell (Lund University) they visited the lichen herbarium of the Botanical Garden and Museum in Berlin-Dahlem in December 1994 and would like to express their sincere thanks to their host Harrie Sipman. Donations or loans of any herbarium material of the rare Asiatic genera *Cetrariopsis*, *Cetrellopsis* and *Nephromopsis* for identification will be highly appreciated.

Ruoss, Engelbert (Luzern, Switzerland) was appointed a year ago as Chief Editor of *Herzogia*, the publication of the "Bryologische und Lichenologische Arbeitsgemeinschaft für Mitteleuropa". His first volume (10) appeared in December 1994. He was also officially appointed Assistant Director of the Museum of Natural History of Luzern a year ago and as curator is responsible for the Botany Department. In 1993/94 he supervised the Diploma work of three students: **Patrick Meile**: "Immissionsökologische Untersuchungen mit Hilfe von Flechten an Hochstammobstbäumen in der Agglomeration St. Gallen"; **Corinna Walter**: "Flechtenvegetation an *Juglans regia* im Südtessin"; and **Ruth Ineichen**: "Auswirkungen von erhöhtem CO₂-Gehalt der Atmosphäre auf Flechten in alpinen Rasen". Another student, **Christian Vonarburg**, completed his thesis in 1993, entitled "Das Mikroklima an Standorten epiphytischer Flechten", published in the

"Veröffentlichungen aus dem Natur-Museum Luzern", Nr. 5, 1993.

Sérusiaux, Emmanuël (Liège, Belgium) had four distinguished guests in the first week of November 1994: André Aptroot, Paul Diederich, Peter Lambley and Harrie Sipman. Again (they had all already met in Berlin in April), lichens from Papua New Guinea were on the table. The flora of this wonderful country is definitely very rich: a prepared list with assumed new species and new genera contains more than 100 entries! Emmanuël has also finished a ms. on the foliicolous lichens from Madeira: 23 species are present, including two new ones. The paper also includes a new generic name (*Fellhaneropsis* Sérusiaux & Coppins) for *Bacidia myrtillicola* and *Bacidia vezdae*.

Thell, Arne (Lund, Sweden) continues his work on cetrarioid lichens, especially anatomical structures in the cortex, asci and pycnidia. The *Cetraria commixta* group (including also *C. agnata*, *C. culbersonii* and *C. hepatizon*) will be transferred to *Melanelia* (in press). Several genera have been revised or newly described, with the help of his supervisor **Ingvar Kärnefelt** and his Estonian friends **Tiina Randlane** and **Andres Saag**. At the moment the North American genus *Ahtiana* and the *Cetraria californica* group (including *C. merrillii*) are being revised. Trevor Goward (Clearwater, B.C., Canada) is also involved in both these projects.

Trass, Hans (Tartu, Estonia) has re-

tired and is continuing his lichenological activities as Professor Emeritus. The major joint project of Estonian lichenologists in recent decades, "Macrolichens of Estonia" (thirteen authors, editors Hans Trass and Tiina Randlane), has been successfully completed and will be published towards the end of 1994. Descriptions and identification keys are presented for 382 macrolichen species, including 332 recorded in Estonia and 50 species occurring in the neighbouring territories and considered as potential members of the Estonian lichen flora. He also continues studies on the genus *Heterodermia* and mapping of rare lichen species.

Zhurbenko, Mikhail (St. Petersburg, Russia) studied lichens and allied fungi in the region of the Lewinson-Lessing Lake, Taimyr, Siberian Arctic, last summer. His visit was part of a large project of the Arctic & Antarctic institute in St. Petersburg in cooperation with the Alfred Wegener Institute. Last summer he was the only botanist participating. Next summer the studies will be continued on a larger scale - there are vacancies for more lichenologists to participate. For information contact Mikhail. His address is in the list of Additions/Corrections of addresses.

Grupo de Lichenólogos de América Latina (GLAL)

The VI Congreso Latinoamericano de Botánica in Mar del Plata (Argentina), held from October 2 to 7, 1994, was attended by several lichenologists and students of lichenology from Latin-american countries, the Grupo de Lichenólogos de América Latina (GLAL). They discussed the common problems they encounter in their countries while initiating and carrying out their research projects.

GLAL considered it as a main goal to improve communication among members of the group and to increase the knowledge of each other's activities, and decided to:

1. Create, publish and keep updated a list of Latin-american lichenologists and others interested in lichenology.
2. Establish an active system of exchange and loan of collections between GLAL members.
3. Organize workshops, courses, lichenological excursions and short visits for GLAL.
4. Try to obtain financial support for common research projects on lichenology.

In addition, they decided to start work on a checklist of lichen species present in Latin-american mountain areas. For further information on this subject please contact Susana Calvelo (Centro Regional Universitario Bariloche, C. C. 1336, Bariloche, 8400 Río Negro, Argentina. fax +54 944 22111), Hugo Britos Iglesias (Herbario, Instituto de Biología, Ecología, Academia de Ciencias de Cuba, Capitolio Nacional, Habana, Cuba), Dr. Héctor Osorio (Depto. de Botánica, Museo de Historia Natural, Casilla de Correo 399, Montevideo, Uruguay) or Vicente Marciano (Fundacite Merida, P.O. Box 234, Mérida, Venezuela, fax 00 58 74 401669).

Symposium on Follicolous Cryptogams

The Second Circular is out of the IAB & IAL Symposium on Follicolous Cryptogams, to be held in Eger, Hungary, from 29 August to 2 September 1995. The preliminary programme includes about 20 lichenological lectures, a similar number on bryology, and several general lectures. A lichenological and a bryological post-symposium excursion are being organized. The Symposium is conveniently scheduled to follow the large EURECO ecological congress in Budapest, so that both can be combined, being separated by the post-congress fieldtrips of the latter congress. If you are interested in participating and have not received the second circular, please contact the organizer: Dr. Edit Farkas, Institute of Ecology and Botany, Hungarian Academy of Sciences, Vácrátót, H-2163, Hungary; fax +36 27 360-110; Email <H7483FAR@ELLA.HU> or <H7483FAR@HUELLA.BITNET>.

Romania excursion cancelled

Katalin Bartok informs us that preregistration of the excursion into Romania, which she offered to organize in connection with the follicolous cryptogams symposium, was signed up by only two persons. The excursion was therefore cancelled.

1995 ABLS Meeting

The 1995 meeting of the American Bryological and Lichenological Society will be held 29 July - 3 August at the Palisades Environmental Centre in Jasper National Park, Alberta, Canada. Field trips in the Rocky Mountains will visit alpine and sub-alpine areas, foothill montane zones, interior temperate cedar rain forests, and central ranges, with side trips to the Columbia Ice Field and Miette Hot Springs. Field trip leaders: Dale Vitt and René Belland (bryophytes); Bernard Goffinet and Trevor Goward (lichens). The meeting also includes papers, posters, photography workshops, and a symposium on "The Application of Modern Molecular Tools to Classic Bryological and Lichenological Questions". Registration US\$50 (students \$35). Lodging: From US\$52 (at the meeting site, food included) to US\$80 in Jasper townsite (food not included). Transportation: Van from Edmonton to Jasper (about four

hours). For information and registration form, contact Dale H. Vitt (Biological Sciences, CW 405 Bio. Sc. Bldg., University of Alberta, Edmonton, AB, Canada T6G 2E9; TEL 403-492-3380; FAX 403-492-1899) or Chicita F. Culberson (Botany, Duke University, Durham, NC 27708-0338, USA; FAX 919-684-5412; Email cculb@acpub.duke.edu). Registration deadline is 1 May 1995.

New date and place for 2nd International Symbiosis Congress

This congress is now to be held during April 13-18, 1997, in Woods Hole, MA, USA. Contact: John Lee, Dept. of Biology, The City College, Convent Ave. at 138th St., New York, NY 10031, USA. Tel. (212) 650 6801; fax. (212) 650 8585.

Josef Poelt's 70th birthday

We arrived in Graz on the foggy evening of 21 October 1994 for a party to celebrate the 70th birthday of Josef Poelt. It was a very unusual birthday party. His former pupils and many other colleagues and friends had been invited to take part in a special symposium dedicated to him. And many of his pupils came, including people I had never met and knew only from the literature. People who had written only one or a few lichenological papers during their student days and are now engaged in a wide range of other activities, such as Thomas Schauer, of the "ozeanische Flechten im Nordalpenraum" and V. Peltzer of the "zwergstrauchigen Arten in Caloplaça". Hannes Hertel and Franz Oberwinkler were there of course, "die beiden Kronprinzen", pupils who in many ways had come to resemble their own "Doktorvater" closely in their scientific and pedagogic approaches. There were also many other invited guests who over the years had collaborated or had otherwise become good friends with Josef Poelt. When I greeted Otto Lange in the crowd, telling him that he would definitely not have been admitted here as a Poelt pupil, he laughed heartily.

The symposium took place on Saturday 22, and included a scientific session, preceded by a humorous one. Per Magnus Jørgensen opened with a splendid talk entitled "Josef Poelt - persönlich" (und zwar auf deutsch natürlich). Nobody can perform like him, he is a marvellous speaker. He started simply, in an amusing school-German accent, "Das ist mein Poelt," holding up his old well-thumbed and well-read "Bestimmungsschlüssel", "so sieht er aus"; people continued to laugh throughout his speech. The next speaker, Pier Luigi Nimis, who spoke on his favorite theme "Flechten und Monumente", was as exiting to listen to. Pier Luigi has indeed made monuments come alive with his studies. This time, as he said, he had come to honour a person who had himself become a real monument in lichenology.

Upper photographs: The celebrator with his daughters. Lower photograph: "Die beiden Kronprinzen".



What has made Josef Poelt such an unique scientist and teacher? It became very clear to me, just by being there with all his former students and close colleagues gathered around him. It is quite simply because of his great scientific generosity, his desire to give something, to share something of his knowledge with others for the future.

I went to Graz as a representative of the IAL to present Josef Poelt with what the Council believed he deserved more than anybody else, the first Acharius Gold medal for his unique and lifelong contributions to lichenology.

E. I. Kärnefelt

The Dutch Bryological and Lichenological Working group in Austria

On 18 July 1994 a summer field meeting in the Gailtaler Alps, Carinthia, started, organized by the Dutch "Bryologische en Lichenologische Werkgroep". During the next ten days the area was to be investigated lichenologically and bryologically by approximately 40 moss- and lichen enthusiasts, based at Weissbriach, 15 km W of Villach. The organizing committee, Henk Greve, Othmar Breuss, Wim Loode and Leo Spier, had prepared a programme which included two excursions each day. Three foreign guests attended, Prof. J. Poelt and Dr. A. Vezda (four days), and Othmar Breuss. Excursions were made to three main mountain ranges: Gailtaler Alpen, Kärntische Alpen and Kreuzeckgruppe.

The first days were spent in a range of woodlands near Weissbriach. It was the first time that the Dutch lichenologists had seen *Sclerophora nivea*, growing on a mature *Fraxinus*. During a visit to the Kreuzeckgruppe, the very cold rainy weather could not stop our fieldwork and we collected many of the commoner terricolous and epilithic species in the area of the Naszfeldriegel (c. 2200 m). A second visit to the Kreuzeckgruppe, together with J. Poelt and A. Vezda, was much better. The weather was fine and we visited some easterly exposed schistose rocks, which were in part weakly calcareous and supported a very interesting lichen flora. More important, however, was the impressive knowledge of Prof. Poelt in the field. Many interesting lichens were detected at a very high speed. Notable lichens from this area include *Acarospora badiofusca*, *Bryonora rhypariza*, *Lecanora sylvae-nigrae*, *Lecidea rapax* on *Bellemerea*, *Protoparmelia phaeonesos* on *Aspicilia myrinii* and *Rhizocarpon renneri* on *Dimelaena oreina*. On 27 July we made a trip from the Egger Alm to the Proulig mountain top (2000 m). Coming from the flat lowlands, we Dutch were very impressed to see how Prof. Poelt, who was to celebrate his seventieth birthday within a few months, climbed this steep mountain. Although we all were much younger and thought that we were in good condition, most of us had considerable difficulty in following Prof. Poelt to the top of the mountain. The N slope at the top was interesting, and we collected *Eiglera flavida*, *Leptogium* cf. *imbricatum*, *Mycobilimbia fissuriseda*, *Toninia rosulata* and *Rinodina roscida*. Deep gorges are a spectacular feature and important habitat in the area, and we visited several of these: the Ochsen Schluchtklamm, Gaisslochklamm and Garnitzenklamm. Oceanic species were observed SE of the Weißensee, including *Agonimia allobata*, *Cladonia norvegica*, *Lecidea erythrophaea* and *Lep-*



Photograph: Instruction from Prof. Poelt, with Han van Dobben (left), Simon Bakker (middle above) and Pieter v.d. Boom (right).

ogium teretiusculum.

On the last evening we had a meal together in a very good atmosphere, with performances, music and a campfire. Altogether, more than 2000 collections were made, and everybody went back with a lot of homework to do in preparation of a report of this meeting.

Pieter van den Boom

Northwestern Lichen Guild meeting

On 24-26 March 1994 the Northwestern Lichen Guild held a meeting in Ellensburg, Washington, USA, in conjunction with the Northwest Scientific Association. The meeting included 15 paper presentations, a workshop on the distribution of *Thamnia* in the Pacific Northwest and a one-day field trip to the sagebrush desert and Frenchmen's Coulee in eastern Washington. Participants in the meeting are shown in the photograph on the opposite page taken by John Marshall.

Flora Neotropica 1994: progress in lichens

FLORA NEOTROPICA is intended to be a complete, monographic flora of the tropical American region. The monographs are written by specialists and published for the "Organization for Flora Neotropica" (OFN) by The New York Botanical Garden. As of 1994, over 65 monographs have been published and more than 150 botanists have offered to submit monographs in the future. A complete list of these monographs published can be obtained from the Executive Director of FLORA NEOTROPICA, Dr. Enrique Forero, New York Botanical Garden, Bronx, N.Y. 10458-5126, U.S.A.

Cryptogamists interested in contributing a monograph to the series are invited to write to the Deputy Director of Cryptogams, Dr. S. Rob Gradstein, Herbarium, University of Utrecht, Heidelberglaan 2, 3584 CS Utrecht, The Netherlands, FAX

Photograph on opposite page: Participants of the Northwestern Lichen Guild meeting in Ellensburg, 1994. Bottom row, seated, left to right: Joan Velikanje, Lynne Atwood, Chiska Derr, Fred Rhoades, Katie Glew, Diane Greene, Amigo the dog, Kari Yanskey, Ann DeBolt, Bob Tokach. Second row, standing, left to right: Barbara Lachelt, Lanette Smith, JoEllen Van DeMark, Debra Salstrom, Sarah Gage, Judy Harpel, Steven Link, Sharon Eversman, Roger Rosentreter, Cyd Brower, Dave Teller, Gayle Teller. Third row, left to right: Amy Drake, Dotty Knecht, ?, George Wooten, Peter Neitlich, ?, Steve Trudell, Dana Erickson, Linda Geiser, Jim Reilly, John Davis, Scott Moore.



(31)-30-518061.

Manuscripts have been received for two new monographs, which are expected to appear in 1995-1996. Caliciales, by L. Tibell, has been accepted for publication and the manuscript is now being prepared for printing. This important monograph treats 17 genera and 51 species, in 6 different families. *Syncesia* (Arthoniales), by A. Tehler, has been reviewed and is now in the process of revision. It includes a detailed cladistic analysis and deals with all 17 species currently recognized in the genus. Robert Lücking, University of Ulm, has offered to prepare a monograph on the foliicolous lichens of the neotropics. His treatment will deal with the families *Asterothyriaceae* (ca. 30 spp.), *Ectolechiaceae* (ca. 30 spp.), *Gomphillaceae* (ca. 100 spp.) and *Pilocarpaceae* (ca. 45 spp.), and a few further genera. A deadline for this important new project has not yet been set. Teuvo Ahti's (University of Helsinki) manuscript on the *Cladoniaceae* (130+ species) is expected to be ready for submission in 1995. David Galloway (formerly The Natural History Museum, London) has made good progress with work on the macrolichen genera *Pseudocyphellaria* and *Sticta* (Stictaceae) and hopes to have an account for *Flora Neotropica* ready in 1995. Geir Hestmark (University of Oslo) has carried out fieldwork in South America (Ecuador) for his study on the lichen family *Umbilicariaceae* and hopes to complete his monograph for *Flora Neotropica* in about two years.

Summary of Lichen contributions to *Flora Neotropica* as of 1994:

Arthoniales

<i>Syncesia</i> (17 spp.)	A. Tehler, in editorial process
<i>Asterothyriaceae</i> (ca. 30 spp.)	R. Lücking (ULM)
<i>Bacidiaceae</i>	
<i>Phyllopsora</i> (18 spp.)	L. Brako, FN Monograph 55, 1991
<i>Bacomycetaceae</i> (5-6 spp.)	
Caliciales (51 spp., 17 genera)	L. Tibell (UPS), in press
<i>Cladoniaceae</i> (130+ spp.)	T. Ahti (H)
<i>Collema</i> (2 spp.)	
<i>Leptogium azureum</i> group (20 spp.)	M. Lindström (GB)
<i>Ectolechiaceae</i> (ca. 30 spp.)	R. Lücking (ULM)
<i>Gomphillaceae</i> (ca. 100 spp.)	R. Lücking (ULM)
<i>Pannariaceae</i> (ca. 40 spp.)	P.M. Jørgensen (BG)
<i>Peltigeraceae</i>	
<i>Peltigera</i> (ca. 20 spp.)	O. Vitikainen (H)
<i>Physciaceae</i> (=Pyxinaceae)	R. Moberg (UPS)
<i>Pilocarpaceae</i> (ca. 45 spp.)	R. Lücking (ULM)
<i>Ramalinaceae</i> (ca. 80 spp.)	H. Kashiwadani (TNS)
<i>Stereocaulaceae</i> (25 spp.)	H. Sipman (B)
<i>Stictaceae</i> s.l. (75 spp.)	D. Galloway (BM)
<i>Trypetheliaceae</i> (150 spp.)	R. Harris (NY)
<i>Umbilicariaceae</i> (ca. 15 spp.)	G. Hestmark (O)

S. Rob Gradstein

Catalogue of Saskatchewan lichens

A first Catalogue has been prepared for the lichens of Saskatchewan, Canada, listing 485 taxa. Synonyms, general & generic references and extensive literature are given, and presence in the five phytogeographical regions of the province noted. The catalogue is based on literature reports and actual voucher specimens held in various herbaria.

It includes a history of lichenological explorations. Lichenology in Saskatchewan has a brief heritage with flowerings of activity interspersed with periods of decline in lichen research between 1902 and 1994.

The aims of this catalogue are to provide an updated nomenclature of Saskatchewan lichens and to stimulate efforts towards a more intensified study of our rich lichen flora. Presumably it will appear by late 1995 or early 1996.

Bernard de Vries

New Literature

Robert LÜCKING. 1994. *Foliikole Flechten und ihre Mikrohabitatpräferenzen in einem tropischen Regenwald in Costa Rica*. Thesis Ulm, Germany. 203 pages. (A study of foliicolous lichens in a limited rainforest patch in Costa Rica; 177 species were found and the relations between lichen flora and many parameters, including phorophyte properties and microclimate, investigated; in German).

Thomas H. NASH III, Corinna GRIES & John A. ELIX. 1995. *A Revision of the Lichen Genus Xanthoparmelia in South America*. Bibliotheca Licheologica 56. 158 pages. (A key and descriptions for 77 species, with introductory chapters on history, morphology and chemistry; the descriptions are accompanied by extensive notes and 26 species are illustrated).

Soili STENROOS (ed.) 1994. *Focus on lichen taxonomy and biogeography: A festschrift in honour of Teuvo Ahti*. Acta Botanica Fennica 150. 233 pages. Available from Bookstore Tiedekirja, Kirkkokatu14, FIN-00170 Helsinki, Finland. Price FIM 300 (ca. US\$ 65). (Contains 30 articles by 45 lichenologists from most continents, including descriptions of numerous species and several genera).

Orvo VITIKAINEN. 1994. *Taxonomic revision of Peltigera (lichenized Ascomycotina) in Europe*. Acta Botanica Fennica 152. 96 pages. Available from: Bookstore Tiedekirja, Kirkkokatu14, FIN-00170 Helsinki, Finland. Price FIM 150 (ca. US\$ 30). (After well-illustrated introductory chapters on morphology, chemistry and other aspects, a key is presented for all 29 species recognized from Europe, based on examination of more than 10.000 specimens from over 40 herbaria; with descriptions, comments, photographs and distribution maps).

Christian VONARBURG. 1993. Das Mikroklima an Standorten epiphytischer Flechten. Immissionsökologische Untersuchungen entlang eines Höhengradienten in den Zentralschweizer Voralpen. Veröffentlichungen aus dem Natur-Museum Luzern, Nr. 5, 122 pages, 15 tables and 79 figures. Available from: Natur-Museum Luzern, Kasernenplatz 6, CH-8003 Luzern. Price Sfr. 12. (Microclimate at sites of epiphytic lichens; ecological investigations of deposition along an altitudinal gradient in the Central Swiss Prealps. Key words: waterbalance of epiphytic lichens, ozone, bioindication, air pollution. In German).

PERSONALIA

Rainar Hakulinen (1917-1991)

The Finnish lichenologist Rainar Hakulinen died on 29 December 1991. He was born on 9 October 1918 at Kurkijoki, in the former Finnish Karelia (now in the Karelian Republic, Russia) where Veli Räsänen collected lichens extensively. Hakulinen was actually Räsänen's pupil. He published numerous papers on lichens in 1947-66, including die Flechtengattung Candelariella (1954: his Ph.D. thesis), Die Flechtengattung Umbilicaria in Ostfennoskandien und angrenzenden Teilen Norwegens (1962), Jäkäläkasvio (1963: a macrolichen flora of Finland) and the exsiccata Lichenotheca Fennica, Fasc. 33-52 (1956-61). Most of his other papers deal with lichen floristics in Finland and North Norway; they include some important findings, such as *Asahinea chrysantha* from Norway and *Dactylina ramulosa* from Finland. He also published on growth rates of lichens and preliminary observations on the lichens of bird-perching rocks along lake shores in South Finland. He described some new lichen taxa, among them the family Candelariaceae, which is now commonly accepted. His significant personal lichen collection (mainly from Finland and Troms and Finnmark, Norway) is still in the possession of his heirs in Hämeenlinna.

For most of his life he was a secondary school teacher in biology, primarily in Hämeenlinna. After stopping publishing on lichenology in the 1960s he was particularly active in writing books on the local history of Kurkijoki parish in Ladoga Karelia, whose population had to move as refugees to other parts of Finland in 1944. He passed away just before the present period when the former Finnish Karelians can again visit their former home regions.

A list of Hakulinen's lichenological publications, with a more extensive obituary, was published in Graphis Scripta 5: 121-124 (1993). In addition, personal memories about Hakulinen are included in a booklet on his mentor Veli Räsänen by Toivo Räsänen (Veli Räsänen's son), titled Jäkälä-Räsänen ["Lichen-Räsänen"]; in Finnish; 101 pp., Kuopion Luonnon Ystävien Yhdistys, Kuopio, 1992].

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Australasia: Society of Australasian Lichenologists (SAL). Info: Dr. J. A. Elix, Dept. of Chemistry, The Australian National University, GPO Box 4, Canberra ACT 2601, Australia.

Central Europe: Bryologisch-Lichenologische Arbeitsgemeinschaft für Mitteleuropa

(BLAM). Info: Dr. Volker John, Pfalzmuseum für Naturkunde, Hermann-Schäfer-Strasse 17, D-67098 Bad Dürkheim, Germany.

Czech & Slovak Republics: Bryological and Lichenological Section of the Czech Botanical Society. Info: Dr. J. Liska, Institute of Botany, Academy of Sciences of the Czech Republic, CS-252 43 Pruhonice, Czech Republic.

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France: Association Française de Lichénologie (AFL). Info: Dr. Jean-Claude Boissière, Laboratoire de Biologie Végétale, Route de la Tour Dénécourt, F-77300 Fontainebleau, France.

Great Britain: British Lichen Society (BLS). Info: Secretary, Dr. O.W. Purvis, Botany Department, The Natural History Museum, Cromwell Road, London SW7 5BD, UK.

Italy: Società Lichenologica Italiana (SLI). Info: Secretary, Prof. Giovanni Caniglia, Dipartimento di Biologia, Via Orto Botanico 15, I-35123 Padova, Italia.

Japan: Lichenological Society of Japan (LSJ). Info: Dr. H. Kashiwadani, National Science Museum, Division of Cryptogams, Hyakunin-cho 3-23-1, Shinjuku-ku, Tokyo, Japan.

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USA: American Bryological and Lichenological Society (ABLS). Info: Dr. Robert S. EGAN, Biology Department, University of Nebraska, Omaha, NE 68182-0072, USA.