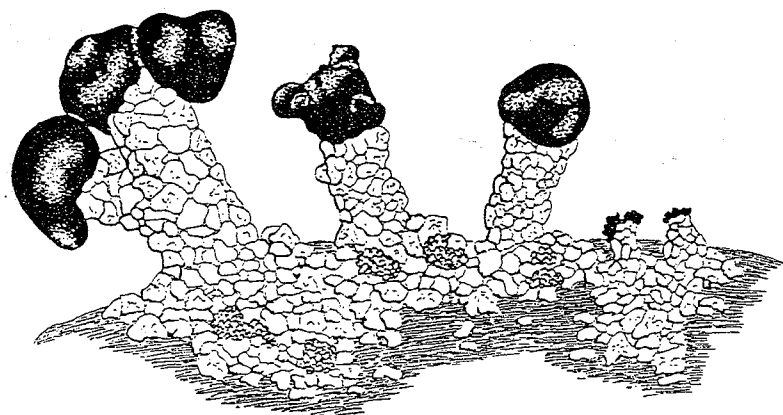


# INTERNATIONAL LICHENOLOGICAL

## NEWSLETTER

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**International Association for Lichenology**

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

The International Lichenological Newsletter is the official organ of the International Association for Lichenology (IAL). It is published three times a year in English with selected items in French, German or Spanish. Information and news intended for publication should reach the editor at least one month prior to scheduled production (February, June and October of each year).

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 S.Fr. 32.00 for the six-year period between successive International Botanical Congresses. Subscriptions should be sent to the Treasurer or Deputy Treasurer.

Robert S. Egan, Dept. of Biology, University of Nebraska, Omaha, NE 68182-0040, USA. Cheques should be made out for US dollars, drawn on a US bank, otherwise it will cost the IAL US \$ 27 for each cheque!

Rosmarie Honegger, Inst. für Pflanzenbiologie und Cytologie, Zollikerstrasse 107, CH-8008 Zürich, Schweiz. In this case please pay S.Fr. 32.00 to the following bank account: Schweizerischer Bankverein (Swiss Bank Corporation, Société de Banque Suisse), Filiale Albisriederplatz, 8040 Zürich, Switzerland, Account Nr. PI-560.486.0 in the name of IAL/Honegger. Those who wish to use the Postal Giro service may use the Postal Account number of the Bank: 80-206-1.

IAL affairs are directed by an Executive Council of thirteen members elected during the last International Botanical Congress. Council members elected at the 14th Congress (Berlin, Western Germany, 1987) are listed below and will serve until the 15th Congress (Tokyo, 1993).

#### IAL EXECUTIVE COUNCIL 1987-1993

President: David Galloway, Dept. Botany, British Museum (Natural History), Cromwell Road, London SW7 5BD, England(UK)

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M.R.D. Seaward, School of Environmental Science, University of Bradford, Bradford BD7 1DP, UK

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#### IAL COMMITTEES

##### Lichen Conservation Committee

Chairperson: M.R.D. Seaward, School of Environmental Science, University of Bradford, Bradford BD7 1DP, UK

##### Lichen Terminology Committee

Chairperson: Vernon Ahmadjian, Department of Biology, Clark University, Worcester, Massachusetts 01610, USA

## RESEARCH NEWS & NOTES

**Aptroot, André** (Utrecht, Netherlands) visited Harrie Sipman and the Berlin lichen herbarium, March 21-31. They worked together on the collections from their 1987 expedition to Papua New Guinea and the Philippines (see ILN 21(1): 21). Results of their work on Philippine lichens have been collected in a paper to be presented to Acta Bryolichenologica Asiatica (a new journal, see note in this issue). Some of the records for New Guinea have been sent to Heinar Streimann for inclusion in his forthcoming paper on PNG lichens. A further publication will include many new lichen records for New Guinea, as well as descriptions of new taxa; other collections have been studied, including Streimann material in CBG, Koponen material in H, Weber & McVean material in COLO and Lambley material in UPNG.

**Brako, Lois** (St. Louis, USA) was married to Paul Berry on December 23, 1988. She recently started a three-year postdoctoral fellowship at the Missouri Botanical Garden. Although her main work is on phanerogams, she will continue her work on *Bacidia-ceae*. Her paper on *Phyllopsora* will appear in *Mycotaxon* soon.

**Büdel, Burkhard** (Marburg, West Germany) is continuing his taxonomic studies of *Heppia* and *Peltula*. He would like to receive loan material of

these genera from all over the world. The material will be included in a worldwide monographic treatment of both genera, to be completed within two years. So far nearly 1000 specimens have been studied.

**Dietrich, Michael** (Bern, Switzerland) has begun an analysis of the corticolous lichen vegetation of Merliwald, an Abieti-Fagetum in the northern Prealps of Switzerland. His first aim is an assessment of the floristic diversity, especially its oceanic element. Until now 130 species have been found. The second goal is to find ecological explanations for the occurrence of some of the rarities among these species.

**Dussex, Nicolas and Thomas Held** (Bern, Switzerland) started a project in summer 1988 on "Wet and dry atmospheric deposition in Swiss pre-alpine bogs and its effects on bog vegetation, including particularly terricolous lichens". The continuously increasing atmospheric deposition of nutrients endangers the few remaining bogs in Central Europe more and more. These gradually lose their extremely oligotrophic character. A remarkable decrease has been observed of photophilous terricolous lichens (*Cladoniaceae*; especially *Cladonia* subgenus *Cladina*) - and other typical bog plants -, together with an invasion by more nitrophilous pha-

nerogams. The lichens therefore may well provide a good indication for eutrophication in bogs.

**Galun, Margalith** (Tel-Aviv, Israel) and her PhD student Lea Silberstein presented results on "Pollution resistance mechanisms in *Xanthoria parietina* at the FESPP (Federation of European Societies of Plant Physiology) Congress in Split, Yugoslavia, 4-10 September 1988. *X. parietina* from a polluted site contains 5 times more glutathione (GSH) than *X. parietina* from a clean-air site; superoxide dismutase (SOD) activity is not affected by  $\text{HSO}_3^-$ -exposure, whereas the sensitive *Ramalina duriaei* has a marked loss of SOD activity. At the second International Congress of Plant Molecular Biology, Jerusalem, 13-18 November 1988, Nitzka Kardish, another PhD student, presented a poster on "Comparison between the symbiotic *Nostoc* of the lichen *Nephroma laevigatum* and its cultured isolate by recombinant DNA techniques".

**Kärnefelt, Ingvar** (Lund, Sweden) informs us that Ove Almborn will be 75 on July 30. Together with his students Lars Fröberg, Stefan Ekman and Jan-Erik Mattsson, Ingvar has been invited by Hans Trass of Tartu State University, Estonian SSR, to visit him in July. Fieldtrips to the calcareous island of Saaremaa and other localities for lichen studies are scheduled. Hans Trass will pay him a return visit in August with a group of three colleagues and take part in excursions in Öland and Gotland. In addition, he informs us that Lars

Fröberg is expected to defend his thesis on the calcareous lichen flora in Öland in September.

**Kiss, Tamas** (Gödöllő, Hungary) has recently completed ten years research on the epiphytic lichens of West Hungary, investigating different forest, orchard, village and city communities. He obtained his CSc degree mainly for his work on "The life-strategies of epiphytic lichen vegetation in West Hungary". He regularly gives lectures at Hungarian universities, and has also lectured at the Universities of Salzburg and Vienna (June 1988). His new address is: Institute of Ecology and Botany of the Hungarian Academy of Science, Vácrátót, 2163 - Hungary.

**Kondratjuk, Sergej** (Kiev, Ukrainian SSR) is continuing his bioindication studies in the western Ukraine. He has just completed his investigations in Lvov and hopes to finish those in Ternopol soon. He collected many specimens of *Aspicilia excavata* and other lichens from Ternopol, Kiev region (Ukrainian SSR) and Tartu (Estonian SSR) for an exsiccata series. In addition, he is still investigating *Caloplaca* and *Protoblastenia* material from the USSR in connection with the preparation of Oxner's "Flora of the lichens of the U.S.S.R., Family *Caloplacaceae*".

**Navrotskaja, Irina Leonidovna** (Kiev, Ukrainian SSR) is continuing her studies of the species composition of lichen vegetation on different industrial materials (e.g. fibre-glass,

plastic, aluminium alloys, steel, rubber) in the open air in the moist subtropics of the USSR. So far 30 species have been found. *Flavoparmelia caperata*, *Hypogymnia physodes*, *H. tubulosa*, *Phaeophyscia orbicularis* var. *viarella*, and *Parmelina quercina* are the dominant species.

**Roux, Claude** (Marseille, France) poursuit son étude phytosociologique et écologique des peuplements lichéniques corticoles méditerranéens, dans le cadre d'un programme pluridisciplinaire, sur les forêts à *Quercus ilex* et leurs stades de dégradation. Durant l'année 1988, il a dirigé les recherches d'un étudiant, T. Ménard, sur les peuplements lichéniques calcifuges de deux stations de Basse-Provence. Il poursuit également ses recherches sur le groupe de *Lecanora dispersa*. Enfin, il est en train d'élaborer une base de données informatisée sur les lichens et champignons lichénicoles non lichénisés de France, qui, dans une première étape, sera appliquée à la publication d'une liste commentée des lichens de France.

En collaboration avec Clauzade, il vient de terminer un troisième supplément à la flore *Likenoj de Okcidenta Eùropo*, supplément qui paraîtra en juin 1989.

En collaboration avec Clauzade et Diederich, il vient de terminer une flore illustrée des champignons lichénicoles non lichénisés du monde entier qui paraîtra en juillet 1989 (voir bulletin de souscription ci-joint).

**Viana, Marta de**, (Salta, Argentina)

started a research project on lichen ecology in the "Los Cardones" National Park in Salta. This 70.000 ha park is situated in an arid mountainous region (2600 - 5000 m) with about 100 mm annual precipitation. The vegetation is dominated by creosote, small trees such as *Prosopis*, and giant cactus (*Trichocereus pasacana*). Among the lichens encountered are the genera *Hypogymnia* and *Xanthoria*. Investigations are concentrated on lichen community structures and their relations with the substrate. She would much appreciate contact with people pursuing comparable research projects, and would like to be informed of pertinent publications.

**Wildi, Elisabeth and Reto Camenzind** (Bern, Switzerland) are characterizing the epiphytic vegetation of lichens in a pre-alpine forest (Gurnigel, south of Bern). The lichen vegetation includes many cool-oceanic species (e.g. *Loxospora cismanica*, *Menegazzia terebrata*, *Parmelia arnoldii*, *P. sinuosa*) and numerous *Caliciales* (e.g. *Sphaerophorus globosus*, *S. melanocarpus*). Floristic lists of the lichens in various forest types are being made and compared with basic ecological field data. Ecological, systematic and chemical aspects of rare or poorly known lichens will be described and floristic information from the past included. The project started in spring 1988 and will be completed in winter 1989/90.

### Meeting on Lichen Mapping in Europe

This will be held from September 22 to 24, 1989. Those interested in participating in this meeting should contact Dr. V. Wirth, Naturkundemuseum, Rosenstein 1, D-7000 Stuttgart, West Germany, before July 1, 1989. To date, lichenologists from 17 countries have applied.

### T. Elliot Weier Lichen Herbarium

The University Herbarium, University of California at Berkeley (UC), has acquired the lichen herbarium of Dr. T. Elliot Weier, Professor Emeritus, Department of Botany, University of California at Davis. The donation consists of over 2000 processed and 300 unprocessed lichens. The herbarium is most noteworthy for its extensive coverage of Sierran crustose lichens. There are many crustose lichens included from the Cascades of Oregon and northern California. Others are from high elevations in Utah, Arizona, and southern California, and low elevations in northern California and Canada. Accompanying the collections are numerous anatomical, macroscopic, and habitat photographs. Dr. Weier also graciously donated a rock cutter and rock crusher to the University Herbarium. For additional information contact Isabelle Tavares or Michelle Seidl, University Herbarium, University of California, Berkeley, Ca 94720, U.S.A.

### News from Japan

Dr. H. Miyawaki has participated in an antarctic expedition to Showa base (Nov. 1988 - March, 1989), and Dr. Masakane Inoue in a subantarctic expedition to the South Georgia Islands (Nov. 1988 - March, 1989). Mr. H. Harada has obtained a position at the Chiba Prefectural Museum of Natural History. This Museum was opened in April 1989. He is continuing his PhD work on *Dermatocarpon*.

Dr. H. Kashiwadani has been appointed Secretary and Treasurer of the Lichenological Society of Japan, 1989-1990. The office of the Society has been changed from Hiroshima University to the National Science Museum, Shinjuku Branch for this period. A 2nd Lichenological Symposium will be held on December 13, 1989 at Kyoto University, sponsored by the Nippon Paint Co Ltd.

### Cryptogamie

CRYPTOGAMIE est actuellement le seul périodique français consacré à l'ensemble de la Cryptogamie. Les chercheurs de tous pays y publient leurs travaux en français, anglais, allemand, espagnol, après accord des Comités de Lecture constitués de spécialistes de réputation internationale.

La Section BRYOLOGIE ET LICHENOLOGIE, issue de la Revue bryologique et lichénologique, essaie de tenir le difficile équilibre entre deux disciplines peu en rapport l'une avec l'autre. La floristique et la systématique y tiennent une large part, mais les études anatomiques, cytologiques, génétiques, écologiques y sont aussi accueillies favorablement. Nos colonnes sont ouvertes à tout travail de bonne qualité.

La Partie "bibliographie" est une tradition héritée de l'esprit des premiers temps de la Revue fondée par T. Husnot en 1874. Les documents y sont classés en grandes rubriques et y sont analysés de façon objective, un renvoi numérique permet les croisements entre les rubriques. Des améliorations sont possibles et pour mieux tendre l'exhaustivité, il serait souhaitable que les auteurs aient la gentillesse de nous faire parvenir leurs tirés-à-part. La mise en place d'une bibliographie internationale, fruit d'une collaboration entre divers bibliographes, permettrait une meilleure couverture des domaines abordés en lichénologie et une meilleure satisfaction du lecteur.

### Announcing a new journal:

### "ACTA BRYOLICHENOLOGICA ASIATICA"

The new journal is designed as a venue for any previously unpublished, short scientific notes or brief technical articles regarding Asiatic bryophytes and lichens. Topics concerning taxonomy, phytogeography, biology, morphology, chemistry and genetics of Asiatic bryophytes and lichens are welcome. Instructions to contributors are as follows:

1. Manuscripts submitted for consideration can be written in Chinese or English. They must be original in content, and submitted in two copies, double-spaced throughout and typed on good quality paper 21.5 x 28 cm. Tables, illustrations (including photographs) and legends should be prepared on separate pages, with xeroxed duplicates attached at the end of the manuscript. All manuscripts must have an English summary or abstract. The total length of the manuscript must not exceed 15 typed pages including the literature citation.
2. Manuscripts should be sent to either the publisher, Dr. Ming-Jou Lai, P.O. Box 19-004, Taipei, Taiwan 24199 or the editor, Dr. Benito C. Tan, c/o Botany Herbarium, The New York Botanical Garden, Bronx, New York 10458-5126, U.S.A.

Japanese lichenologists present on the LSJ field meeting in August 1988. Photograph taken in *Larix leptolepis* forest at Azusayama, Nagano Pref., central Japan. From left to right, lower row: H. Takamiya, M. Oshio, M. Nakanishi, I. Yoshimura, K. Sasaki, M. Mineta, T. Kurokawa, K. Yoshida; middle row: H. Kashiwadani, N. Kouno, N. Ebata, Y. Kon, H. Harada, Y. Kinoshita, Y. Degawa; upper row: H. Shibuchi, T. Oizuru, J. Sato, T. Kaneto, S. Takeshita, T. Okamoto, K. Sekiyama.



3. All manuscripts received will be acknowledged within one month. They will be reviewed by the editor and at least one member of the editorial board within 3-6 months. Once a manuscript has finally been accepted, the author(s) will be informed as soon as possible. Rejected manuscripts will be promptly returned to the author(s).

4. To facilitate publication, both publisher and editor will be responsible for proof-reading the galleys of all accepted manuscripts before the final print. Authors wishing to see the galley must specifically request this when submitting manuscripts.

5. 50 free reprints will be given to the authors of published manuscripts.

The journal plans to publish twice a year, both in Chinese and English. The first issue will be published in June, 1989.

Subscriptions to this new Asian journal are invited. The rate will be US\$ 10.00 per year; cheques or money orders should be made out to: Asian Bryological and Lichenological Club, P.O. Box 19-004, Taipei, Taiwan 24199.

---Preparatory Committee: Benito C. Tan & Ming-You Lai

#### Affiche "Lichens et Qualité de l'Air en Haute-Normandie, France

Depuis 15 ans, le Centre de Documentation sur le Milieu Naturel, Rouen, France (C.D.M.), a effectué des travaux sur le suivi de la qualité de l'air dans notre région en utilisant les lichens comme bioindicateurs.

Ces travaux scientifiques, menés avec divers partenaires, ont souvent servi de support à des animations pédagogiques (publications, film du C.N.D.P., etc.). Aussi, il nous a semblé que le moment était venu d'éditer un document de synthèse sous forme d'une affiche.

Celle-ci a été réalisée avec le concours des réseaux ALPA et REMAPPA, de l'Office National des Forêts et de la Délégation Régionale à l'Architecture et à l'Environnement aux fins de support pédagogique pour une information au sein des collèges et lycées.

Cette affiche rappelle brièvement la démarche et compare les résultats de 1988 avec ceux de 1980, mettant ainsi en évidence une amélioration sensible. Ce document de synthèse s'inscrit tout-à-fait dans la vocation d'Observatoire Régional du C.D.M.

Cette affiche est en vente à nos bureaux au prix de 30 F (plus 8 F par envoi). Une facture est adressée sur demande.

Centre de Documentation sur le Milieu Naturel - 55, rue Louis-Ricard - F-76000 Rouen - France. Tél.: 35.07.44.54.

### CRC Handbook of Lichenology

Prof. Margalith Galun announces the publication of a new handbook of lichenology, in three volumes. The contents are as follows:

#### Volume I.

Section I: Introduction. I. The true Nature of Lichens - A historical survey, by Jacob Lorch.

Section II: Lichen components. II.A. The fungal partner, by David L. Hawksworth; II.B. The algal partner, by Elisabeth Tschermak-Woess.

Section III: The lichen thallus, by Hans Martin Jahns.

Section IV: The fungus-alga relation, by Margalith Galun.

Section V: Reproduction. V.A. Asci, ascospores and ascomata, by André Bellemère and Marie Agnes Letrouit-Galinou; V.B. Conidiomata, conidiogenesis, and conidia, by David L. Hawksworth.

Section VI: Lichen physiology. VI.A. Carbon metabolism, by Margalith Galun; VI.B. Nitrogen metabolism, by Amar Nath Rai; VI.C. Lichen enzymology, by Carlos Vicente and María Estrella Legaz.

Index.

#### Volume II.

Section VII: Lichen physiology and ecophysiology. VII.A. Ecology. VII.A.1. Substrate colonization, growth, and competition, by Richard A. Armstrong; VII.B. Ecophysiology. VII.B.1. Water relations, by Philip W. Rundel; VII.B.2. Ecophysiological relationships in different climatic regions, by Ludger Kappen; VII.B.3. Physiological buffering, by John F. Farrar; VII.C. Contribution of lichens to ecosystems, by Mark R.D. Seaward.

Section VIII: Cellular interactions. VIII.A. Effects of symbiosis on the photobiont, by Paul Bubrick; VIII.B. Effects of symbiosis on the mycobiont, by Margalith Galun; VIII.C. Lichenization, by Margalith Galun.

Index.

#### Volume III.

Section IX: Chemical constituents of lichens. IX.A. Secondary metabolic products, by Margalith Galun and Adiva Shomer-Llan; IX.B. Storage products of lichens, by Philip A.J. Gorin, Madalena Baron, and Marcello Iacomini; IX.C. Pigments, IX.C.1. Carotenoids, by Bazyli Czacuga; IX.C.2. Phycobiliproteins, by Bazyli Czacuga.

Section X: Principles of classification and main taxonomic groups, by Josef Haeflner.

Section XI: Interaction of lichens and pollutants, by Magalith Galun and Reuven Ronen.

Section XII: Other uses of lichens. XII.A. The use of lichens in dating, by John L. Innes; XII.B. Medicinal and other economic aspects of lichens, by David H.S. Richardson; XII.C. Lichens and pedogenesis, by David Jones.

Section XIII: Methods for cultivating lichens and isolated bionts, by Paul Bubrick. Index.

The Handbook is printed by CRC Press Inc., Boca Raton, Florida, USA, and offered by Koelz Scientific Books (P.O. Box 1360, D-6240 Koenigstein, FRG) at DM 798.00 for the three volumes together (vi + 625 pages).

### Report on the IAL Sonoran Desert Excursion, December 27, 1988 - January 12, 1989

Contrasts. That's what it was all about. The contrast between modern Phoenix, Arizona and the Baja California desert. The incongruity of finding such a moisture-loving lichen as *Ramalina menziesii* draped over the desert cacti. The motel on the beach at Bahia San Quintin and the dormitories at Boyce-Thomson Arboretum. The old hands at IAL forays and the newcomers. All thrown together, they made up the Sonoran Desert Excursion.

Our time in Arizona included collecting time in various mountain and desert habitats, seminars by both foray participants and others as well as excursions to botanical gardens and museums to prepare us for the latter part of the trip to Baja. In Arizona we collected under the warm desert sun and in the snowy mountains. Through it all we were greatly assisted by checklists of various areas prepared for us by Tom Nash, Corinna Gries and Bruce Ryan.

Adaptability was essential as we moved from posh accommodations to facilities with no running water. In one locale water pipes had been broken by freezing in the unseasonably cold weather. In the Baja desert one could only wonder how the people and animals survive with so little evidence of water.

Our camps in the desert showed tents of a variety of colors and styles. Harrie Sipman's even had a flag on top! The evening entertainments were lively and varied. There were restaurant evenings with mariachis and station evenings with serious (?) discussions. There were camping evenings with song and dance and even a stimulating evening of theatre starring Philip Clerc and Eva Barreno ably assisted by Tom Nash and Burkhard Büdel.

Oh yes, there were lichens, the likes of which many of us had never seen be-



fore. Tom's knowledge of Baja was most evident in the choice of the collecting sites. Each stop seemed to produce something not previously encountered. Those whose collecting was focused on a particular genus or family probably had an easier time than those doing general collecting as the variety seemed so great. All of the participants will be anxious to learn how many new species will result from the trip.

The Mexican participants, Elvira Patrón, Laura Guzmán, Isela Alvarez and Dr. Gaston Guzmán added greatly to the success of the trip. We enjoyed meeting them and look forward to working with them in the future.

Tom and Corinna deserve vast amounts of credit for organizing and planning, for tolerating us and leading us and especially for cooking for us. A job well done. ¡Fantástico!

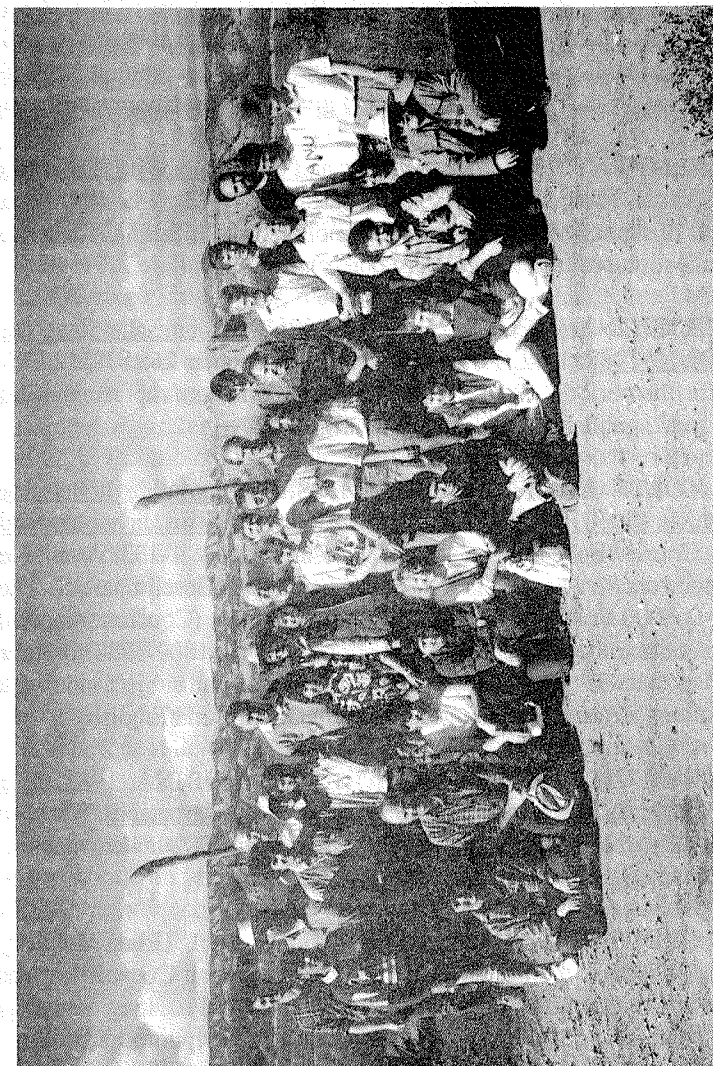
---Charis Bratt

#### Lichens, Part of the Microcosmos. Education Effort.

Dr. Douglas Zook, Professor of Science Education and Symbiologist at Boston University is directing the new Microcosmos Project. Aimed at getting school teachers to become more knowledgeable and comfortable with the vast, important microbial world, the international effort features a newly created curriculum, workshops, and displays. Among the many "messages" of Microcosmos is the fact that microbes can be seen without a microscope. Lichens are cited as an example, and plans are underway to create both an interdisciplinary (geography and biology) display of lichens around the world and an exhibit and classroom lesson on the importance of lichens in tropical rainforests.

For more information on Microcosmos and to contribute ideas, please write to Dr. Douglas Zook, Director, Microcosmos Project, Boston University, 605 Commonwealth Avenue, Boston, MA 02215, USA.

The participants of the IAL Sonoran Desert Excursion, January 5, 1989



## New Literature

David J. GALLOWAY. 1988. Studies in *Pseudocyphellaria* (lichens) I. The New Zealand species. Bull. British Museum (Nat. Hist.), Bot. Series 17: 1-267. (An extensive treatment of the 48 species known at present from this primary diversity centre of the genus. It contains important additions to the treatment in the Flora of New Zealand by the same author (1985), and gives a more elaborate treatment).

David J. GALLOWAY. 1988. Erik Acharius and his influence on English lichenology. Bull. British Museum (Nat. Hist.), Bot. Series 18 (2): 149-194. (Deals with the contacts of Acharius with British lichenologists like Smith, Turner, and the fate of a collection sent to the Linnean Society).

Hannes HERTEL & Annelis SCHREIBER. 1988. Die Botanische Staatssammlung München 1813-1988. Mitt. Bot. Staatssamml. München 26: 81-512. (Contains additions for the period 1980-1987 to the list of collectors represented the lichen herbarium in M, published by Hertel in 1980).

Wolfgang KORTH & Doris RÜCKERT. 1988. Bibliographie lichenologischer Bibliographien. FLECHTEN. LICHENES. Bibliography on Lichenological Bibliographies. Courier Forschungsinstitut Senckenberg 104: 1-153. Available from: Geschäftsstelle der Senckenbergischen Naturforschenden Gesellschaft, Senckenberganlage 25, D-6000 Frankfurt am Main 1, West Germany. (Consists mainly of a list of 933 references to lichenological publications from ca. 1800-1988 containing reference lists of over 50 titles; author, (syn-)taxonomical and subject indexes to these 933 publications are added; with introduction in German and English).

[M.F. MAKAREVIC, I.L. NAVROZKAJA, & I.V. JUDINA. 1982. Atlas geograficeskogo rasprostrawenia Lisajnikov v ukrainskich Karpatach]. Kjev. 402 pages. (Contains distribution maps and locality citations of 882 lichen species known from the Ukrainian Carpathian mountains; in Russian).

Stella L. THROWER. 1988. Hong Kong Lichens. Publ. Urban Council, Hong Kong. Available from the Public Information Unit, Urban Council & Urban Services Department, Queensway Government Office 43rd. Fl., Hong Kong. (price 40 Hong Kong dollars) (An illustrated flora with keys, descriptions and colour photographs of 146 species of lichen found in Hong Kong; notes on ecology and distribution, and a checklist. 193 pages, 143 plates).

## PERSONALIA

## Carrol W. Dodge

The noted mycologist and lichenologist Carrol W. Dodge died July 21, 1988, at the age of 93. He was a curator at the Missouri Botanical Garden from 1931 till 1963, and afterwards Professor of Botany at the University of Vermont. He wrote lichen floras of various parts of the world. (from Herbarium News 8(9): 65, September 1988)

## Obituary: ZYGMUNT TOBOLEWSKI, 1927 - 1988

The eminent Polish lichenologist Professor Zygmunt Tobolewski, of the Adam Mickiewicz University in Poznan, died on August 16th, 1988 after a short illness. Zygmunt Tobolewski, who was born in Grodzisk Wielkopolski near Poznan on January 29th, 1927, was closely associated with the University of Poznan throughout his academic life, as student, lecturer and professor.

He was a leading authority on the Polish lichen flora. His rich and varied scientific output of 80 lichenological publications cover their taxonomy, floristics, phytosociology and biogeography, as well as their conservation. He published the first comprehensive key for identifying Polish lichens in 1953, an invaluable work, which together with the 22 fascicles of Lichenotheca Polonica produced in conjunction with K. Glanc, fostered an interest in lichenology among the younger generation of Polish botanists.

His greatest achievement in the field of lichen taxonomy is undoubtedly Po-rosty Polskie (1975), written together with J. Nowak, the first comprehensive taxonomic treatment of Polish lichens in a single volume - a work which has influenced all subsequent lichenological studies in Poland. He was also joint editor of the Atlas of Geographical Distribution of Spore-plants in Poland and the author of its series devoted to lichens, of which 9 fascicles have been published to date.

The extensive herbarium material he collected in Poland and elsewhere are invaluable for taxonomic and phytogeographical studies. As well as a major collection at Poznan (PZN), a very considerable number of packets have been widely circulated throughout the world.

Professor Tobolewski was the Head of the Lichenological Section of the Polish Botanical Association and initiated and organized lichenological research in Poland. He inspired collaborative studies throughout his country and was much respected not only amongst lichenologists but also bryologists and mycologists. Unfortunately his vast knowledge and experience have not been fully exploited; many of his ambitious research projects remain unfinished and unrealized. A conscientious



scholar, he was both meticulously accurate and honest in presenting the results of his researches.

Through the death of Zygmunt Tobolewski, Poland has lost its pre-eminent lichenologist, his students an unforgettable teacher, and many of us a much respected friend.

---Stanislaw Cieslinski, Mark R.D. Seaward

#### Obituary: M.F. Makarevich

Marja Florianovna MAKAREVICH, the famous Ukrainian lichenologist, one of the oldest members of the Institute of Botany N.G. Hkolodny of the Academy of Sciences of the Ukrainian S.S.R., died in Kiev on 24 February, 1989. She had worked in the Institute of Botany from 1936 to 1982.

One of her major works was "Analysis of the lichen flora of the Ukrainian Carpathians" (1963, in Ukrainian). In this work she followed a new approach in phyto-geographical analysis of lichen floras, carried out a detailed analysis of zonal distribution, and considered questions of florogenesis and the history of the formation of this lichen flora.

M.F. Makarevich made important contributions to the knowledge of some groups which are notoriously difficult to determine, e.g. *Graphidaceae*, *Pertusariaceae*, *Lecanoraceae*. She contributed the treatment of the family *Graphidaceae* in A.N. Oxner's "Flora of the Lichens of the Ukraine". Likewise the treatments of the families *Pertusariaceae*, *Lecanoraceae*, *Arthopyreniaceae*, *Pyrenulaceae*, *Mycopora-ceae*, *Graphidaceae*, *Chiodectonaceae*, *Dirinaceae*, *Roccellaceae*, *Lecanactidaceae*, *Arthoniaceae* and *Pilocarpaceae* in "Opredivitelj of the lichens of the USSR" (in Russian). She also prepared a manuscript entitled "Flora of *Pertusariaceae* of the USSR. Genus *Pertusaria*", which unfortunately remains unpublished. One of her last works was the "Atlas of geographical distribution of lichens in the Ukrainian Carpathians" (with collaborators I.L. Navrotskaja and I.V. Judina - in Russian).

M.F. Makarevich took part in numerous expeditions to different regions of USSR, especially the Ukraine, and collected many lichen specimens. These have been deposited in the herbarium of the Institute of Botany (KW). She discovered many species new to the lichen flora of the Soviet Union. *Melaspilea oxneri*, *M. zerovii*, *Acrocordia bukowiensis*, *Lecanora nemoralis*, *L. multispora* and others were described by her as new to science.

Lichenologists of the Institute of Botany N.G. Hkolodny of the Academy of Sciences of the Ukrainian S.S.R. are currently updating and completing M.F. Makarevich's manuscript of the genus *Lecanora* for A.N. Oxner's "Flora of the lichens of the Ukraine" vol. 2, part 3.

---Irina Navrotskaja, Sergej Kondratjuk

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### Back Issues of ILN

The following back issues of ILN are still available: 9(1), 9(2), 10(1), 10(2), 11(1), 11(2), 12(1), 12(2), 13(1), 13(2), 14(1), 14(2), 15(1), 15(2), 16(1), 16(2), 17(1), 20(1), 20(2), 20(3), 21(1), 21(2), 21(3). In photocopy available are: vol. 1 (1), 1(2+supp.), 1(3), 2(1), 3(2), 6(2), 7(1-2), 8(1-2). Two indexes are also available: Index to vol. 1-8, Index to vol. 9-13.

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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. G. Philippi, Landessammlungen für Naturkunde, Erbprinzenstrasse 3, Postfach 3949, D-7500 Karlsruhe 1, Western Germany (FRG)

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**France:** Association Française de Lichénologie (AFL). Info: Dr. Richard Lallement, Université de Nantes, Laboratoire de Biologie et Cytophysiologie Végétales, 2 Rue de la Houssinière, F-44072 Nantes Cedex, France.

**Great Britain:** British Lichen Society (BLS). Info: Secretary of the British Lichen Society, Botany Department, British Museum (Natural History), 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.

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