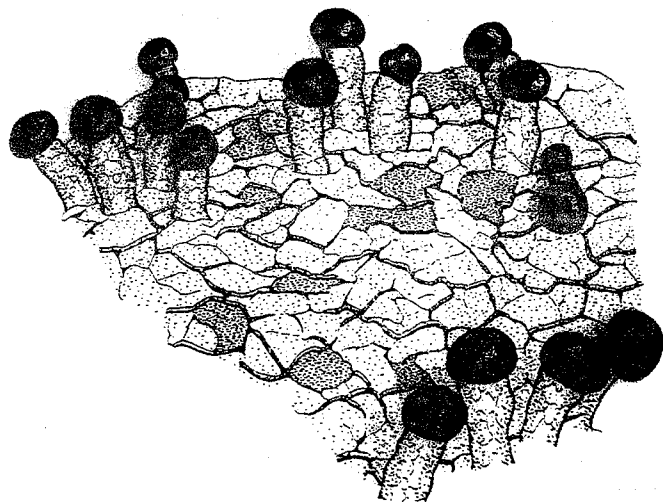


**INTERNATIONAL
LICHENOLOGICAL
NEWSLETTER**

Vol. 24, nr. 2, June 1991



Official publication of the
International Association for Lichenology

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ISSN: 0731 - 2830

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).

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or (for British members) to: **T.H. Moxham**, Dept. of Plant Sciences, University of Bath, Claverton Down, Bath, Avon, BA2 7AY, U.K. (subscription price £13.00)

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RESEARCH NEWS & NOTES

Ahti, Teuvo (Helsinki, Finland) was granted a five-year research professorship (without teaching) starting on Sept. 1991. He hopes to finish several major treatments of Cladoniaceae for various flora projects in that period. The first three volumes of William Nylander's Collected Lichenological Papers edited by him were printed and distributed on 13 Sept. 1990. In April he visited Estonia to give lectures and study herbaria in Tartu and Tallinn (both now including many valuable collections from Russian Far East and Siberia, as well as Estonia!) and meet Hans Trass, Tiina Randlane, Taimi Piin and others. For 1991, field trips are planned to Russian (Transnonga) Karelia with M.P. Andreev and others, and to Spain with Ana Rosa Burgaz.

Almborn, Ove (Lund, Sweden) has issued Fasc. 6 (nos. 126-150) of his exsiccata Lichenes Africani. The 35 sets will be sent preferably to those who received Fasc. 5 (1989) and sent specimens for exchange. Material for Fasc. 7 (from all parts of Africa and surrounding islands) will be appreciated.

Aptroot, André (Baarn, Netherlands)

announces a change of address. During the next two years he will continue his work as a research assistant at: Centraalbureau voor Schimmelcultures, P.O. Box 273, NL-3740 AG Baarn, The Netherlands, phone 02154-81211, fax 02154-16142. His work will include completing his thesis, as well as taxonomic and floristic research on lichens, mainly from the tropics. Ultrastructural work will be carried out on pyrenocarpous lichens and fungi and an attempt will be made to bring several mycobionts into culture. Please send any correspondence to the above address. Returns of loans from his private herbarium may be sent either to the above address or to his home address: W. v. Velzenstraat 11, NL-1962 WS Heemskerk, The Netherlands, phone 02510-32767.

Dobson, Frank (Surrey, Great Britain) informs us that the third enlarged edition of his book Lichens-An Illustrated Guide is nearly finished and will be published in June-July of this year. It will include about 150 new species and all previous entries have been revised. Care has been taken to ensure that, as far as possible, the nomenclature agrees with the forthcoming

ing Lichen Flora of Great Britain and Ireland.

Dudoreva, Tamara (Kirovsk, U.S.S.R.) took part in the First All-Union Meeting for Chemotaxonomic Study of Cryptogamic Plants in Kiev, May 16-18, 1990. Afterwards she made three expeditions in the Murmansk region: Kandalaksha aluminium factory (south); Ponoï river (east); Tschapoma river and White Sea coast (south-east). In 1991 she intends to visit the northeast and northwest of the region.

Engels, Petra (Cologne, Germany) is comparing enzyme and protein patterns of different groups of Ramalinaeae (Lecanorales) for a doctoral thesis under the guidance of Gerhard Follmann (Botanical Institute, University of Cologne). These studies have been initiated primarily because morphological, anatomical, chemical, and ontological observations so far produced unsatisfactory results for the generic subdivision of the family and for the delimitation of certain species. Preliminary investigations, also of selected representatives of Roccellaceae (Opoglyphales), show that enzyme and protein profiles can be used to differentiate genera or species and seem promising for an investigation of evolutionary trends. In order to obtain the

necessary fresh lichen thalli, several collecting trips have been made during the past two years, especially in Atlantic and Central Europe and on the Canary Islands. Contacts with other lichenologists working on enzyme and protein chemistry are most welcome.

Feige, Benno (Essen, Germany) informs us that his student Birgit Possner has finished her Ph.D. thesis "Untersuchungen zur Sekundärstoffverteilung im Flechtenthallus dargestellt an den Gattungen *Lasallia*, *Lobaria* und *Usnea*" and accepted a job as a high-school teacher. Guest-lecturers at an advanced seminar (Kolloquium) this spring, with financial support from his University, were: Siegfried Huneck, Paul Diederich, André Aptroot, Helmuth Mayrhofer and Emmanuel Sérusiaux. Currently, he and his co-researchers are studying the lichen flora of the Balearic Islands. Publication of new records is in preparation.

Horáková, Jana (Prague, Czechoslovakia) has begun a study of the genus *Thelocarpon*, which should result in a monograph on a world-wide basis. In 1990 she collected in central and southern Italy (including Sicily). She has finished a study of lichens of diabase rock formations near Prague, and a paper on them is in press.

Kardish, Nitz (Tel-Aviv, Israel) is about to submit her Ph.D. Thesis entitled: "A lectin from the lichen *Nephroma laevigatum* Ach. as determinant of specificity at the initial symbiont interaction", under the supervision of Margalith Galun. The lectin, named NLA, has been partially purified and characterized, localized by immunological means and its function as symbiont mediator determined.

Lai, Ming-jou (Taipei, Taiwan) spent three months with Dr. Syo Kurokawa in TNS, from December 1990 to February 1991, to work on the *Parmeliae* (15 generic groups and over 80 species) of Taiwan and to continue his long-term work on the cetrarioid groups, especially the yellowish forms. Dr. Kurokawa, who will retire in March 1991 from the National Science Museum (Tsukuba Botanical Garden), went on a 40-day expedition to Taiwan in September-October 1988 with a group of eight members. During his stay in Tokyo, Lai also arranged a visit by Mr. Qian Zhi-guang from Shanghai Museum of Natural History during the same period to work on the Chinese *Parmeliae* (29 generic groups in all). Dr. Kurokawa was very pleased to have the two Chinese guests, who were always hard at work, from 8 a.m. to 11 p.m. nearly every day, seven days a week. Lai presented a

talk on "Classification of the Cetrarioid Lichen groups" in Beijing at the 3rd National Seminar of Mycology & Lichenology in mid November 1990. He acts as the Treasurer for the Finnish-Chinese Botanical Foundation, initiated to promote Chinese Lichenology (and Bryology) by Hong Kong and Taiwanese donations. He has been helping to publish the newly established "Acta Bryolichenologica Asiatica" in Taipei. Several sponsored lichen research projects are underway in cooperation with Academia Sinica (Beijing, Guangzhou, Kunming and Shengyang), Shanghai Museum of Natural History as well as Xinjiang University, Urumqi. A recent sponsored project is a comparison between the macrolichen floras of NE China and Korea. Lai also made arrangements with the Urban Council of the Hong Kong Government for a Chinese translation of Stella L. Thwaites' "Hong Kong Lichens". Publication in Taipei of a manuscript by Prof. Wei (Beijing) entitled "Enumeration of the Chinese Lichens" is scheduled for 1992.

Liska, Jirí (Prague, Czechoslovakia) together with I. Pisút prepared a lichen chapter for the Red Data Book of Czechoslovak fauna and flora. He continues to map epiphytic lichens in the Czech Republic and hopes to fin-

ish field work in Bohemia this year. His new address is: Botanical Institute, CS-252 43 Průhonice, near Prague.

Lumbsch, H. Thorsten (Essen, Germany) spent two weeks in February/March in the herbaria of Helsinki, Uppsala and Lund to examine material belonging to the *Lecanora subfusca* group. In May he intends to visit the lichen herbarium in Paris and from the middle of June until mid-August he will travel to Australia for field-work.

Peine, Jörg (Cologne, Germany) continues his electrophoretic studies on specific enzymes and other proteins of Roccellaceae (Opegraphales) which he begun in 1989 for a doctoral thesis under the supervision of Gerhard Follmann (Botanical Institute, University of Cologne). Initial difficulties, caused by the necessity to eliminate phenolic lichen compounds quantitatively prior to protein extraction, have been overcome. Fresh lichen material, essential for these experiments, has been gathered during various field trips in 1990 and 1991, especially in the Canary Islands. Preliminary results indicate that it is possible to differentiate between certain critical Macaronesian microspecies of *Rocella canariensis* and *R. fuci-*

formis groups. Exchange of views on lichen enzymes and (or) other proteins and their application to taxonomical problems is always welcome.

Ruoss, Engelbert (Lucerne, Switzerland) has been appointed as Curator of Botany at the Museum of Natural History of Lucerne. Under his guidance two students are just finishing Diploma theses dealing with the effect of air pollution on lichens: Corinna Walter studied the epiphytic lichen vegetation on *Juglans regia* in southern Switzerland and Patrick Meile will soon finish floristic studies of epiphytes on fruit trees in the area of St. Gallen. As part of a project on lichen activity in connection with changes of ecology and atmospheric pollution along altitudinal gradients, Christian Vonarburg is preparing a doctoral thesis entitled "Lichen activity along an altitudinal gradient in the Prealps of Central Switzerland". A thesis "Atmospheric deposition in Swiss Prealpine bogs", prepared by Nicolas Dussex and Thomas Held, was part of a project on "Lichen investigations in the canton of Lucerne" supported by the government of Lucerne and conducted in cooperation with the Systematisch-Geobotanisches Institut Berne from 1986 to 1990. Lichen mapping in Central Switzerland will be continued by the Museum

of Natural History.

Stenroos, Soili (Helsinki, Finland) is preparing a flora of the antarctic and subantarctic members of the Cladonia-ceae. She would like to receive any specimens of *Cladonia*, *Cladina* and *Cladia* from the continental Antarctic and the following major islands: South Georgia, South Sandwich Is., Kerguelen I., Heard I., Bouvet I., Prince Edward Is. and Crozet Is., for identification and chemical analysis. Any material from Kerguelen, e.g.

that collected by Geoff Bratt in 1971 (present location unknown, not in Hobart) would be particularly welcome.

Vezda, Antonín (Brno, Czechoslovakia) continues his work on the taxonomy of foliicolous lichens and a revision of the Gyalectaceae. He is preparing another fascicle of his *Lichenes selecti exsiccati* (nos. 2476-2500). From 22 to 30 March he joined a field trip of the Societa Lichenologica Italiana to the island of Maretino (West Sicily).

Requests

Teuvo AHTI, Botanical Museum, Unioninkatu 44, SF-00170 Helsinki, Finland, is interested in receiving a copy of or borrowing the following publication, which is absent from most major botanical libraries:

Kernstock, Ernst 1990: Die europäische Cladonien. Ein Orientierungsbeheft. - Jahresbericht der Staats-Oberrealschule Klagenfurt 43: 1-36.

Dr. Paul DIEDERICH, 93 route de Luxembourg, L-7373 Lorentzweiler, G.-D. Luxembourg, welcomes any parasymbiotic fungi on lichens for study. At the moment he has a special interest in gall-forming taxa.

Prof. Margalith GALUN, Symbiosis Research Laboratory, Dept. Botany, Tel Aviv University, Tel-Aviv 69978, Israel is very interested in receiving *Peltigera canina* (L.) Willd. for her studies on lectins as mediators between the symbionts of cyanolichens.

Dr. Natalia V. MALYSHEVA, Sechenov Institute of Evolutionary Physiology & Biochemistry, Comparative & Ecological Pathology Laboratory, Academy of Sci-

ences USSR, Thorez av. 44, 194223 Leningrad, USSR is preparing an atlas of lichen pathology and would be grateful to receive specimens showing abnormalities in form, size, colour, etc. or evidence of pathogens, together with normal specimens for comparison. Any relevant published papers would also be appreciated.

Panarctic Lichen Project

A joint Soviet-American project "Panarctic biota" headed by the University of Alaska (Fairbanks) and Komarov Botanical Institute (Leningrad) is currently being undertaken. The botanical part of the project will comprise studies of the vascular plants, bryophytes and lichens. Dr. Barbara Murray (contact: University of Alaska, Museum, Fairbanks, AK 99775-1200, USA) and Dr. Nina Golubkova (contact: Lab. of Lichenology and Bryology, Komarov Botanical Institute, prof. Popov str. 2, Leningrad, 197376, USSR) are responsible for the lichenological programme. The initial stage of this programme will continue until 1995. From the soviet side, it will mainly cover the known literature and herbarium data, and compilation of a computer database. Lichenologists, particularly monographers, who wish to contribute to this project, will be most welcome.

--- Nina Golubkova

The Bryologist - Recent Literature on Lichens - change of author

Bob Egan intends to quit compiling the Recent Literature lists for The Bryologist, and Ted Esslinger has agreed to take over responsibility from the beginning of August 1991. He already receives reprints from many lichenologists, but in order to do the best possible job, he would like to encourage all IAL members (and all other lichenologists, for that matter) to send their reprints to him as expeditiously as possible. His institutional library at NDSU does not receive many of the non-North American botanical journals and is therefore inadequate for the task. The more cooperation he receives from lichenological colleagues around the world, the better job he can do without involving excessive travel to visit other libraries. He will greatly appreciate all the assistance he receives in continuing to make the Recent Literature lists useful to the greatest number of people.

Please send reprints to this address:

Prof. Theodore L. Esslinger, Department of Botany/Biology, North Dakota State University, Fargo, ND 58105-5517, USA.

--- Ted Esslinger

Erik P. Vrang's Lichen Herbarium

The lichen herbarium of Erik P. Vrang (about 50 000 collections) at the Naturhistoriska Riksmuseet in Stockholm (S), Sweden, has been held as a separate collection for many years. This is unsatisfactory since it restricts the availability of the material. Incorporation into the general lichen herbarium was therefore begun in 1990, and will probably take about three more years to finish. In the course of the work, many types and other interesting collections have already been seen. Vrang collected a lot of material himself, mostly from his home province, Västergötland in Sweden, but also from other Swedish provinces, notably Torne Lappmark, Närke, Västmanland, Bohuslän, Uppland and Södermanland. Through an extensive exchange he acquired many other European and extra-European collections. A large number of exsiccata (complete or incomplete) also form part of his herbarium.

This is a short list of some of the most important collectors which we have so far found represented in the Vrang herbarium: Ahles, Almquist (E & S), Anders, Arnold, Baglietto, Beltramini, Brevière, Couderc, Degelius, Duss, Erichsen, Fink, Foriss, Fries (Th. M.), Garovaglio, Gresino, Handel-Mazetti (chinese material, mostly types), Hart, Hasselrot, Hazslinszky, Hellbom, Hegetschweiler, JeanJean, Klement, Krempelhuber, Kutak, Latzel, Lindig, Lösch, Magnusson, Malme, Metzler, Molér, Monguillon, Müller Argoviensis, Nadvornik, Nylander, Pionnier, Rehm, Räsänen, Sandstede, Sbarbaro, Schenk, Sendtner, Servit, Steiner, Stenhammar, Szatala, Tomasini, Zschacke, Zwack-Holzhausen.

--- Rikard Sundin

FAX and E-mail numbers

Our request for FAX and E-mail numbers has happily met with a large response. All those who replied are gratefully acknowledged here. It appears that E-mail is not yet widely distributed among lichenologists, whereas nearly 100 lichenologists, mainly in Western Europe, America and Australia, are now accessible by FAX.

List of IAL members accessible via E-mail with their numbers

This list is composed from numbers sent to H. Sipman and those already collected by B. Egan.

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Note: Numbers are preceded by country number in () and city number with /. The list has been compiled from numbers contributed by members and numbers found in Index Herbariorum.

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Index of Lichen Chemistry

An updated continuation of Chemical and Botanical Guide to Lichen Products (1969) and its two supplements (1970, 1977) is in an advanced state of preparation by Chicita F. and William Louis Culberson. The book will give all new chemical reports since 1977 and, in addition, will briefly summarize by taxa the chemistry reported earlier. This modified format will mean that for most routine purposes only the latest volume will have to be consulted, the earlier volumes being needed primarily for the bibliographic documentation of pre-1977 reports. The book will also include bibliographies on chemical methodologies and analytical procedures and uses of lichen chemistry in systematics, genetics, and biomedical applications. It is planned to issue the data both in hard copy and computerized form. Authors of papers including chemical data on lichens - especially data that appeared in obscure journals - are urged to notify the Culbersons of the existence of the publication or (even better) send them a reprint or photocopy of it in care of the Department of Botany, Duke University, Durham, NC 27706, USA.

The herbarium of the Museum of Natural History, Lucerne (NMLU)

The Botany Department of the Museum consists of three sections: the vascular plant herbarium (J. Aregger), the mycological herbarium (J. Breitenbach & F. Kränzlin) and the herbarium of lichens and mosses. They contain around 70.000 specimens of phanerogams, 3.000 pteridophytes, 5.000 fungi, 10.000 lichens and 6.000 mosses. Its speciality is the Flora of Switzerland, principally Central Switzerland. The mycologists have just edited the third volume of "Fungi of Switzerland". The specimens treated in this work are deposited in the mycological herbarium of the Museum. The authors have recently been honoured for their books with the "Innerschweizer Kulturpreis" by the government of the cantons of Central Switzerland. Last year the herbarium of Fintan Greter (Engelberg) was acquired. This contains the most complete collection of mosses and lichens from Obwalden (Central Switzerland).

The lichen herbarium of the Landesmuseum Münster (MSTR) in Westphalia.

In January 1991 Thorsten Lumbsch finished a revision of the lichen herbarium in Münster. The herbarium comprises about 9000 specimens, mainly from Westphalia, and includes the original collection of Conrad Beckhaus, who was a co-worker of Lahm (see also Peveling's treatment in Progress and Problems of Lichenology in the Eighties). A description of the material (collectors, localities etc.) will be published in the journal Natur & Heimat. Requests for loan should be sent to: Dr. Brunhild Gries, Westfälisches Museum für Naturkunde, Sentruper Straße 185, D-4400 Münster.

---Thorsten Lumbsch

(Editor's note: the former lichen herbarium of the Botanical Institute in Münster, which includes Lahm's collections, is now in B)

Towards a lichen flora of the Greater Antilles

After a meeting this last January in the Dominican Republic and the previous year in Cuba, it was decided to instigate a Flora of the Greater Antilles. The flora will cover all groups of plants and fungi. To promote this flora, The New York Botanical Garden, with a generous grant from the Andrew W. Mellon Foundation, is offering competitive fellowships for botanists to come to New York to prepare treatments for the flora. Although no salaries are available, round-trip air fare to New York, housing accommodations and a food allowance are provided, as well as working space at NY. Because of the rich historical Greater Antillean collections, as well as extensive modern holdings in the herbarium, and the excellent library, these fellowships provide an unparalleled opportunity for researchers to work on treatments for the flora. The taxonomic treatments of lichens for the flora are being coordinated by Dr. Richard C. Harris. Those interested in contributing to the flora should contact him. Once taxonomic arrangements have been made, contact Dr. William R. Buck for information on the fellowships. Both may be reached at The New York Botanical Garden, Bronx, NY 10458-5126, U.S.A., or by FAX at 212-220-6504.

New Literature

Lois BRAKO. 1991. Flora Neotropica monograph 55. Phyllopsora (Bacidiaceae). 67 pages. Published by the Scientific Publications Department, The New York Botanical Garden, Bronx, NY 10458, USA. (A taxonomic treatment of 18 species recognized in the American tropics; the general sections include notes on morphology, anatomy, chemistry, distribution, ecology, and systematic position, a key to the species and notes on excluded names etc.; for each separate species a description, comments, an indication of chemistry and distribution, a list of investigated specimens, and illustrations are provided).

Tony FOUCARD. 1990. Svensk skorplavs flora. 306 pages, 345 black-and-white photographs. (Keys and short descriptions for ca. 1350 crustose lichen species occurring in Sweden; black-and-white pictures for 345 of them; many species are treated which are rarely if ever included in keys and thus difficult of access; in Swedish).

D.J. GALLOWAY (Ed.). 1991. Tropical Lichens: Their Systematics, Conservation, and Ecology. The Systematics Association special volume no. 43. 302 pages. Clarendon Press, Oxford. (Contains in elaborate and well-illustrated form most of the papers presented at the Tropical Lichens Conference held in London 4-8 September 1989, in 18 chapters dealing mainly with taxonomy, distribution, ecology and conservation of lichens in all parts of the tropics).

Anne Kathrin GLIEMEROTH. 1990. Die Flechtenflora kranker Nadelbäume im Nordschwarzwald: Ökologische Untersuchungen zur Differenzierung zwischen Immissionsbelastung und epidemischer Erkrankung. Dissertationes botanicae 161. 148 pages. (An area with a major local sulphur dioxide emission is compared with areas with background emission; parameters used concern lichen viability, tree viability and emission; 6 lichen species were used; in German).

H.M. JAHNS (ed.). 1990. Contributions to Lichenology in honour of A. Henssen/ Beiträge zur Lichenologie. Festschrift A. Henssen. Bibliotheca Lichenologica Bd. 38. 427 pages. (28 contributions by different authors on various aspects of lichenology; includes descriptions of 3 new genera and 22 new species; most articles in English, two in German).

Bruno P. KREMER & Hermann MUHLE. 1991. Flechten. Moose. Farne - Europäische Arten. Steinbachs Naturführer Bd. 26. 288 pages. Mosaik-Verlag, München. ISBN 3-570-6652-5. Price DM 29,80. (A popular, illustrated book dealing with lichens, mosses and ferns; in German).

P.M. MCCARTHY. 1991. Checklist of Australian Lichens. Fourth edition. 177 pages. Available from the National Herbarium of Victoria at a cost of A\$ 18.00 [including postage]. (An update of the 1988 list by Rex Filson, containing e.g. 372 additional taxa and numerous changes).

Göran THOR. 1990. The lichen genus Chiodecton and five allied genera. Opera Botanica 103. 92 pages. (An extensive taxonomical treatment of 28 species in five genera, with illustrations of each species, a key and indications of chemistry; the genus *Chiodecton* is strongly restricted, and part of the species formerly included is referred to the other genera treated).

Volkmar WIRTH & Hans OBERHOLLENZER. 1990. Lichen Mapping in Europe. Proceedings of the First Meeting on Lichen Mapping in Europe held at Stuttgart from September, 22nd to 24th, 1989. Stuttgarter Beiträge zur Naturkunde Ser. A (Biol.), Nr. 456. 199 pages. Available from: Staatliches Museum für Naturkunde, Rosenstein 1, D-7000 Stuttgart 1, Germany. Price DM 23,80. (Contains the text of 31 lectures held at this meeting, most of them dealing with lichen mapping projects in 19 European countries; most in English, some in German).

PERSONALIA

Jan Johannes Barkman 1922-1990

On 14 September 1990 Jan Barkman died suddenly during a congress in Scotland at the age of 68. In the 1940s and 1950s of this century he studied the ecology of cryptogamic epiphytes, and their use for air quality mapping. These investigations made him an expert in this field, with a considerable knowledge of lichens. Afterwards he directed his attention to the sociology of terrestrial fungi, and this and his considerable administrative and teaching duties meant that he could not pay as much attention to lichens as formerly.

Sam Manning

On 10th February 1991 S.A. Manning died suddenly after a heart attack. For many years he had been a member of the British Lichen Society. His large lichen collection, assembled principally from his home county, Norfolk, has been presented to The Castle Museum, Norwich NR1 3JU, under the charge of Dr. A.G. Irwin.

Volkmar Wirth Honoured

"Die Flechten Baden-Württembergs, Verbreitungsatlas" by Dr. Volkmar Wirth, published by Verlag Eugen Ulmer, Stuttgart, Germany, which was awarded a silver medal at the "Best Designed Books Exhibition" in Leipzig in 1989 (see ILN 22(3): 56), has once more been the subject for an award: the "Schiller-Preis" of the city of Marbach (acc. to "Börsenblatt für den Deutschen Buchhandel" 31(1991), p. 1298).

--- Peter Scholz

Changes/Corrections to addresses

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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). Photocopies are available of: 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.

According to a resolution of the IAL Executive Council, published in ILN 16 (1), April 1983, the following charges will be levied for back issues of ILN: Vol. 1: US\$ 0.25 per number (3 per volume); vol. 2-8: US\$ 0.50 per number (2 per volume); vol. 9-13: US\$ 1.00 per number (2 per volume); vol. 14-17: US\$ 1.50 per number (2 per volume).

Back issues from vol. 20 onward are available for US\$ 1.00 per number (3 per volume). The Indexes are free.

New members will receive free only copies of the numbers constituting the volume issued for the calendar year in which they join IAL.

Orders to be sent to H. Sipman, Bot. Garten & Bot. Museum, Königin-Luise-Strasse 6-8, D-1 Berlin 33, Germany.

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Central Europe: Bryologisch-Lichenologische Arbeitsgemeinschaft für Mitteleuropa (BLAM). Info: Dr. G. Philippi, Landessammlungen für Naturkunde, Erbprinzenstrasse 3, Postfach 3949, D-7500 Karlsruhe 1, Germany

Czechoslovakia: Bryological and Lichenological Section of the Czechoslovak Botanical Society. Info: Dr. I. Novotny, Botanické odd. Moravského muzea, Preslova 1,

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Finland: Lichen Section, Societas Mycologica Fennica. Info: Dr. Teuvo Ahti, Department of Botany, University of Helsinki, Unioninkatu 44, SF-00170 Helsinki, Finland.

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, 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.

Netherlands: Bryologische en Lichenologische Werkgroep der KNNV (BLW). Info: A. Aptroot, W.v. Velzenstraat 11, NL-1962 WS Heemskerk, The Netherlands.

Nordic Countries: Nordisk Lichenologisk Forening (NLF). Info: Ulrik Søchting, Institut for Sporeplanter, Ø. Farimagsgade 2 D, DK-1353 København K, Denmark.

Poland: Lichenological Section of the Polish Botanical Society (Polskie Towarzystwo Botaniczne). Secretary: Dr. W. Faltynowicz, Department of Plant Ecology, University of Gdansk, ul. Czołgistow 46, 81-378 Gdynia, Poland.

Spain: "Sociedad Española de Lichenología (SEL)". Info: A. Gómez-Bolea, Dept. de Biología Vegetal (Botánica), Fac. Biología, Univ. de Barcelona, Avda. Diagonal 645, 08071 Barcelona, Spain.

Switzerland: Schweizerische Vereinigung für Bryologie und Lichenologie (SVBL). Info: Ph. Clerc, Conservatoire et Jardin botaniques, Case postale 60, CH-1292 Chambésy/GE, Switzerland.

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